

Statistics report

Energy Prices and Taxes for OECD Countries

2020

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INTERNATIONAL ENERGY AGENCY

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The logo for the International Energy Agency (IEA) consists of the lowercase letters "iea" in a bold, blue, sans-serif font. The letters are slightly slanted to the right.

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INTRODUCTION

Following the need identified by IEA Energy Ministers for improved information on national and international energy markets, the Standing Group on Long-Term Co-operation of the IEA initiated a quarterly price and tax reporting system in early 1981.

The *Energy Prices and Taxes for OECD Countries* publication offers a very comprehensive complement to the information available from the IEA website: iea.org/reports/energy-prices-2020, which includes quarterly databases on prices and taxes for OECD countries, and annual global energy prices.

Data are collected and compiled by the IEA Energy Data Centre (EDC) headed by Nick Johnstone. The IEA would like to thank and acknowledge the dedication and professionalism of the statisticians working on energy data in the countries. Roberta Quadrelli had overall production and editorial responsibility. The publication and its statistics were produced by Domenico Lattanzio and Alexandre Bizeul. Sharon Burghgraeve provided desktop publishing support.

Please note that this publication, as pdf and book, will be discontinued after the 2020 release.

Energy Prices and Taxes for OECD Countries is organised as follows:

Recent energy price developments includes an overview of the recent price trends, summary data and graphs.

Part I presents crude oil import costs, oil product spot market prices and crude spot market prices.

Part II includes total energy indices; individual OECD country end-use prices and taxes for fossil fuels in the industry, household and electricity generation sectors; electricity for households and industry, as well as summary tables for international comparisons.

This annual publication complements a data service, updated on a quarterly basis, which includes unlimited access through an annual subscription as well as the possibility to obtain data on a pay-per-view basis. Details are available at www.iea.org/statistics.

All enquiries relating to methodology or coverage should be addressed to prices@iea.org.

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What's new

Colombia, that joined the OECD in April 2020, is not included in this publication as of September 2020. Some data are available in [World Energy Prices](#).

Revisions

The following revisions have been made by the reporting agencies:

- **France** – prices and taxes for natural gas for industry for 2018 have been revised;
- **New Zealand** – prices and taxes for natural gas for industry for 2019 have been revised;
- **Portugal** – prices and taxes for natural gas for industry and households for 2019 have been revised;
- **United Kingdom** – prices and taxes for natural gas and electricity for households for 2018 and 2019 have been revised.
- **Finland** –prices and taxes for natural gas for 2020 are not available due to methodological change.

IEA World Energy Prices release – global data to complement the OECD Energy Prices and Taxes data

As a complement to the OECD [Energy Prices and Taxes](#), the International Energy Agency released the third edition of [World Energy Prices](#), containing end-use prices for gasoline, diesel, electricity and other selected energy products, for over 130 countries. With its global coverage, the new database fills a gap not currently covered by other international data sources. Those two products are components of the package [Energy Prices](#).

Following the efforts to enhance the coverage of the *World Energy Prices* database, the 2020 edition has expanded to include an additional data file on taxation, covering 7 categories of taxes across sectors and products for 49 countries, of which 15 non-OECD, depending on availability.

The share of global energy consumption covered by IEA information on prices is above 90% of global consumption for gasoline, automotive diesel and electricity for households, and above 80% for electricity for industry and natural gas for households.

All enquiries relating to methodology or coverage should be addressed to prices@iea.org.

ABBREVIATIONS AND CONVENTIONS USED IN TABLES AND NOTES

bbl:	barrel	LFO:	light fuel oil
Btu:	British thermal unit	LSFO:	low sulphur fuel oil
CHP:	combined heat and power	LPG:	liquefied petroleum gas
CIF:	Cost insurance freight	m³:	cubic metre (= 1 kl = 1000 litres)
cst:	centistokes	MON:	motor octane number
FIP:	Free into Pipeline	Mt:	million tonnes
FOB:	Free on Board	MWh:	megawatt hour
FSU:	Former Soviet Union	NCV:	net calorific value
GCV:	gross calorific value	PON:	pump octane number (= arithmetic average of RON and MON)
GJ:	gigajoule	RdON:	road octane number (equivalent to PON)
GST:	goods and services tax	RON:	research octane number
HFO:	heavy fuel oil	st:	short tonne
HSFO:	high sulphur fuel oil	t:	tonne = metric ton
ISO:	International Organisation for Standardisation	tce:	tonne of coal equivalent
kcal:	kilocalorie	toe:	tonne of oil equivalent = 10^7 kcal
kg:	kilogramme	VAT:	value added tax
kl:	kilolitre (= 1 m ³)	..	not available, i.e. consumption and/or taxes usually exist but data are not available
kV:	kilovolt	-	nil
kVA:	kilovolt-ampere	x	not applicable
kW:	kilowatt	c	confidential
kWh:	kilowatt hour		

GEOGRAPHICAL GROUPINGS

EMU: Economic and Monetary Union: Austria, Belgium, Cyprus, Estonia, Finland, France, Germany, Greece, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Portugal, the Slovak Republic, Slovenia and Spain.

IEA: Includes IEA Europe, IEA Asia and Oceania, and IEA North America.

IEA Europe: Austria, Belgium, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, the Slovak Republic, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

IEA Asia and Oceania: Australia, Japan, Korea and New Zealand.

IEA North America: Canada, Mexico and the United States.

OECD: OECD Europe, OECD Asia and Oceania, and OECD Americas.

OECD Americas¹: Canada, Chile, Mexico and the United States.

OECD Asia and Oceania: Australia, Israel², Japan, Korea and New Zealand.

OECD Europe: Austria, Belgium, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, the Netherlands, Norway, Poland, Portugal, the Slovak Republic, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

1. Colombia, that joined the OECD in April 2020, is not included in this publication as of September 2020. Some data are available in [World Energy Prices](#).

2. The statistical data for Israel are supplied by and under the responsibility of the relevant Israeli authorities. The use of such data by the OECD and/or the IEA is without prejudice to the status of the Golan Heights, East Jerusalem and Israeli settlements in the West Bank under the terms of international law.

LIST OF CURRENCIES BY COUNTRY

Country	Currency	ISO Currency Code
Australia	Australian dollars	AUD
Austria	euros	EUR
Belgium	euros	EUR
Canada	Canadian dollars	CAD
Chile	Chilean pesos	CLP
Czech Republic	Czech koruny	CZK
Denmark	Danish kroner	DKK
Estonia	euros	EUR
Finland	euros	EUR
France	euros	EUR
Germany	euros	EUR
Greece	euros	EUR
Hungary	forints	HUF
Iceland	Icelandic krona	ISK
Ireland	euros	EUR
Israel	new Israeli sheqels	ILS
Italy	euros	EUR
Japan	yen	JPY
Korea	wons	KRW
Latvia	euros	EUR
Lithuania	euros	EUR
Luxembourg	euros	EUR
Mexico	Mexican pesos	MXN
Netherlands	euros	EUR
New Zealand	NZ dollars	NZD
Norway	Norwegian kroner	NOK
Poland	zlotys	PLN
Portugal	euros	EUR
Slovak Republic	euros	EUR
Slovenia	euros	EUR
Spain	euros	EUR
Sweden	Swedish kronor	SEK
Switzerland	Swiss francs	CHF
Turkey	Turkish liras	TRY
United Kingdom	UK pounds	GBP
United States	US dollars	USD

RECENT ENERGY PRICE DEVELOPMENTS

Crude oil import costs

Crude oil

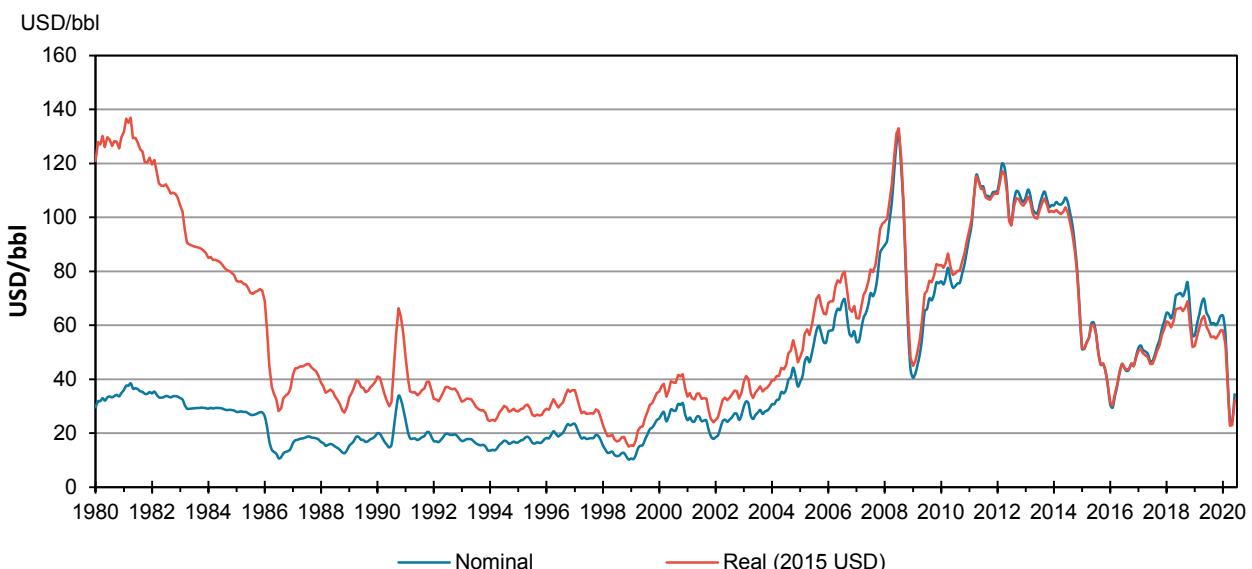
Import costs (USD/barrel)

After being relatively steady in 2019, crude oil import costs for IEA member countries decreased by 13% in the first quarter of 2020 and by 49% in the second quarter. This trend affected all IEA member countries - mainly attributed to the large decrease in demand caused by the COVID-19 pandemic.

Table 1. Crude oil average import costs in USD/bbl

	IEA	Europe	France	Germany	Italy
2Q2018	69.4	72.6	73.7	73.3	72.3
3Q2018	71.9	74.2	75.2	74.4	74.6
4Q2018	65.9	68.8	70.3	68.1	69.4
1Q2019	60.3	62.4	63.2	62.5	62.3
2Q2019	67.6	69.1	69.5	69.5	69.4
3Q2019	61.5	62.3	62.7	62.5	63.1
4Q2019	61.7	63.4	65.1	63.5	64.0
1Q2020	53.9	53.7	57.1	52.4	53.8
2Q2020	27.5	28.1	29.9	29.7	28.4
<i>Percent change 2Q2020 from</i>					
2Q2019	-59.3	-59.3	-57.0	-57.3	-59.1
1Q2020	-49.0	-47.7	-47.6	-43.3	-47.2
	Japan	Korea	Spain	UK	USA
2Q2018	71.7	70.9	69.9	74.9	62.9
3Q2018	76.7	75.6	72.2	75.7	64.5
4Q2018	76.3	74.1	68.4	70.9	51.7
1Q2019	63.8	63.4	60.3	63.6	53.0
2Q2019	71.6	69.4	68.3	70.1	62.1
3Q2019	65.9	64.4	61.1	63.5	56.1
4Q2019	66.1	64.5	61.6	65.4	53.9
1Q2020	65.3	62.3	55.9	55.9	43.4
2Q2020	29.4	30.1	26.9	29.8	23.6
<i>Percent change 2Q2020 from</i>					
2Q2019	-58.9	-56.6	-60.6	-57.5	-62.0
1Q2020	-55.0	-51.7	-51.9	-46.7	-45.6

Figure 1. Nominal and real crude oil import costs (IEA average)*



* Monthly averages, from January 1980 to June 2020.

Key point: Crude oil import costs in IEA member countries decreased by 49% during the second quarter of 2020, to 29 USD/bbl.

Spot prices

Crude oil

For crude oil spot price analysis, refer to the IEA's Oil Market Report available at

<https://www.iea.org/oilmarketreport/reports/>.

Table 2. Crude oil spot prices in USD/bbl

	North Sea	Dubai	WTI
3Q2019	61.2	61.8	56.4
4Q2019	62.0	63.1	56.9
1Q2020	50.4	50.0	45.6
2Q2020	31.2	29.6	28.0
3Q2020	43.5	43.7	41.4
<i>Percent change 3Q2020 from</i>			
3Q2019	-29.0	-29.4	-26.6
2Q2020	39.5	47.6	48.2

Figure 2. Crude oil spot market prices, from January 1990 to September 2020*

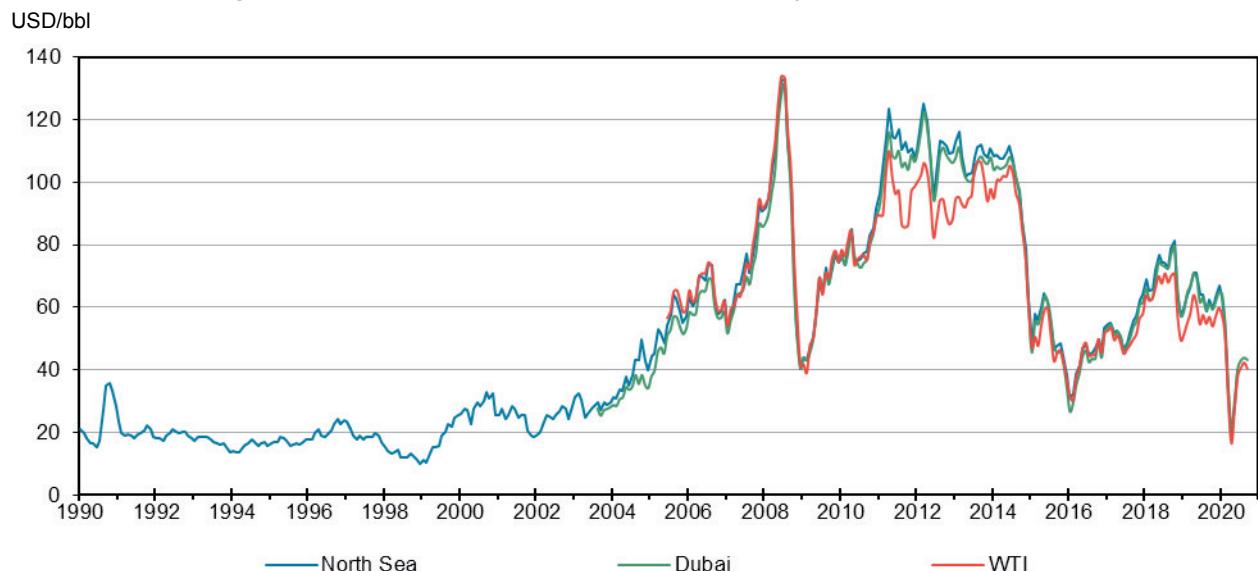
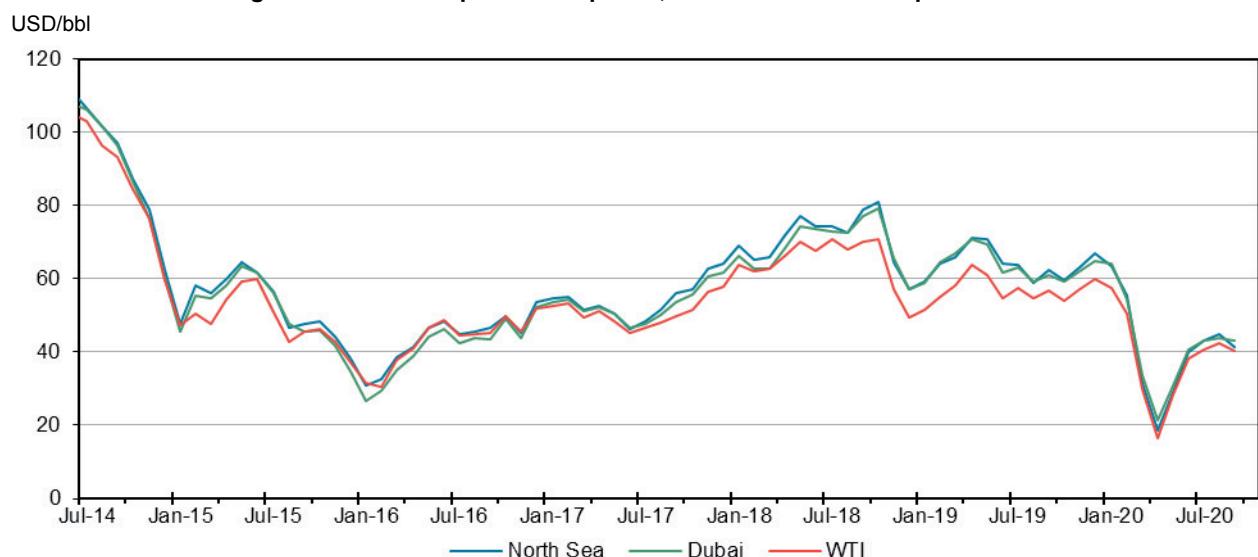


Figure 3. Crude oil spot market prices, from June 2014 to September 2020*



* Based on monthly averages.

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Oil products

For oil products spot price analysis, refer to the IEA's Oil Market Report available at
<https://www.iea.org/oilmarketreport/reports/>.

Table 3. Rotterdam oil product spot prices in USD/bbl

	Gasoil	HFO	Gasoline
3Q2019	76.5	51.2	72.8
4Q2019	76.9	33.4	69.2
1Q2020	61.4	33.4	53.8
2Q2020	36.4	24.1	30.6
3Q2020	47.4	38.8	46.7
Percent change 3Q2020 from			
3Q2019	-38.1	-24.1	-35.8
2Q2020	30.0	61.5	52.9

Figure 4. Rotterdam spot market oil product prices, from January 1990 to September 2020*

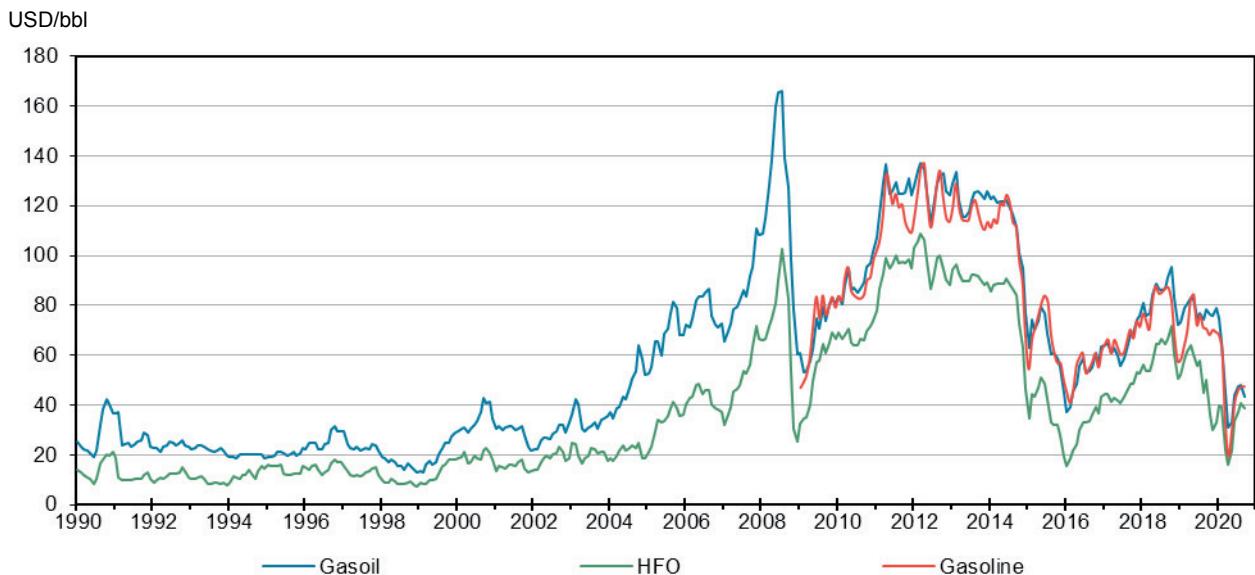
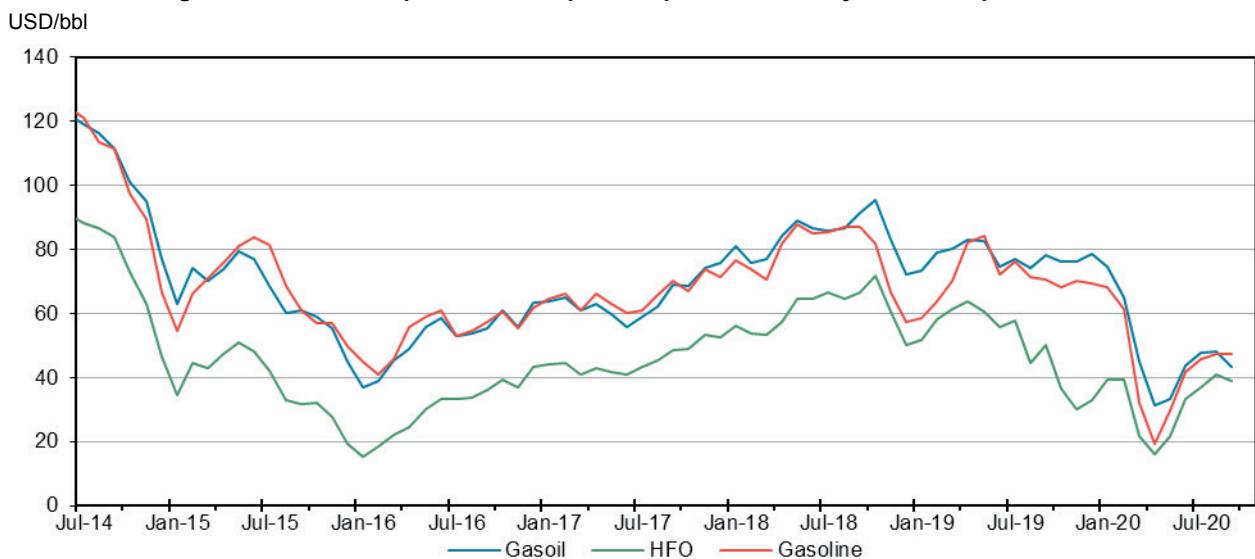


Figure 5. Rotterdam spot market oil product prices, from July 2014 to September 2020*



* Based on monthly averages.

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End-use price indices (2015 = 100)

All indices in this section are constant (or real) price indices. Real price indices are calculated using the Paasche method and deflated using the country-specific Producer Price Index (industrial sector) and the Consumer Price Index (household sector). All the figures in this section show indices for the total OECD region.

Total energy

The OECD total (combined industry and household including oil products, coal, natural gas and electricity products) real end-use price index decreased by 8% during the second quarter of 2020. Year on year, the index for OECD countries decreased by 13%.

The index for all products aggregated decreased both for industry (-11%) and households (-14%).

The index (combined industry and household) trend was mainly driven by oil products (-22% year on year), with the electricity component remaining stable.

Natural gas index decreased more for industry (-15%) than households (-3%) probably due changes in consumption patterns caused by COVID-19.

The energy index diminished more severely in OECD Americas (-16%) than OECD Oceania (-6%), partly because of the time-lag due to geographical distancing with crude oil production countries.

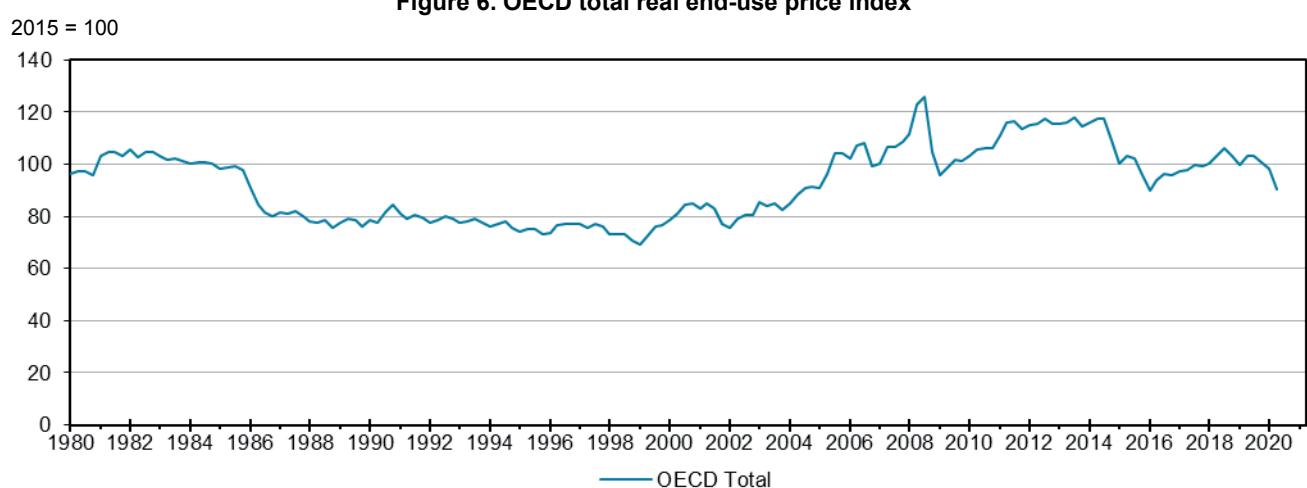
Table 4. OECD real end-use price index for industry (2015=100)

OECD:	Total	Europe	Asia and Oceania	Americas
2Q2018	102.3	99.7	100.4	105.8
3Q2018	103.7	101.1	102.3	107.0
4Q2018	105.5	103.6	102.4	108.8
1Q2019	103.6	102.6	101.1	105.7
2Q2019	102.8	102.6	100.7	103.9
3Q2019	101.6	100.8	101.1	102.7
4Q2019	102.4	102.4	99.4	103.7
1Q2020	100.3	100.3	102.6	99.3
2Q2020	91.2	91.3	96.2	89.0
<i>Percent change 3Q2020 from</i>				
2Q2019	-11.3	-11.0	-4.5	-14.3
1Q2020	-9.1	-9.0	-6.2	-10.4

Table 5. OECD real end-use price index for households (2015=100)

OECD:	Total	Europe	Asia and Oceania	Americas
2Q2018	104.2	98.8	99.8	107.2
3Q2018	108.6	102.5	103.2	112.1
4Q2018	100.9	102.4	101.7	100.2
1Q2019	95.9	98.9	97.7	94.3
2Q2019	103.9	101.3	100.2	105.6
3Q2019	105.1	102.5	100.6	106.9
4Q2019	99.2	101.5	100.0	98.1
1Q2020	96.1	99.6	101.4	93.7
2Q2020	89.5	93.8	92.8	87.1
<i>Percent change 2Q2020 from</i>				
2Q2019	-13.9	-7.4	-7.4	-17.5
1Q2020	-6.9	-5.8	-8.5	-7.0

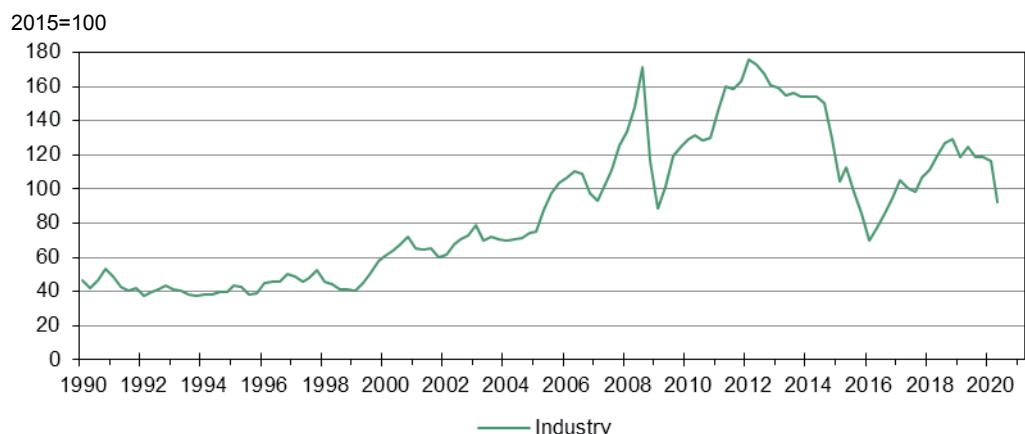
Figure 6. OECD total real end-use price index



Key point: The total energy real end-use price index for households and industry fell by 8% during the second quarter of 2020.

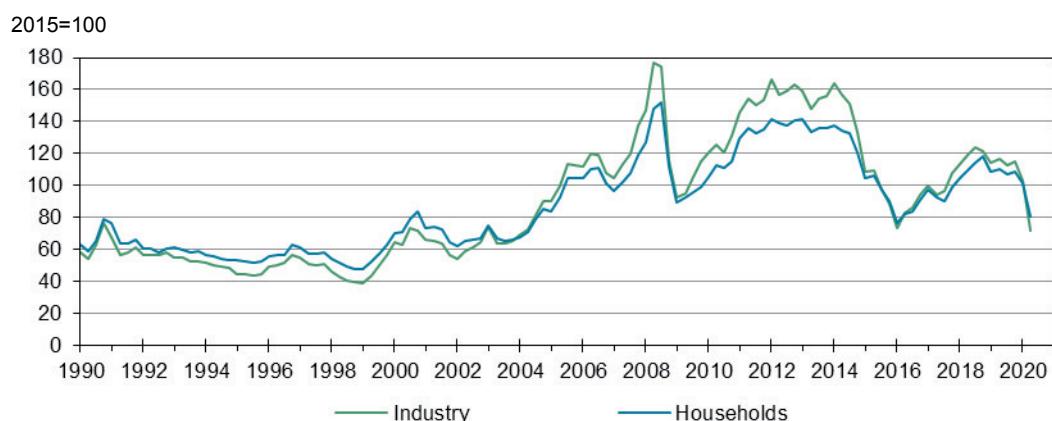
Heavy fuel oil for industry

Figure 7. Real index of HFO end-use prices in industry



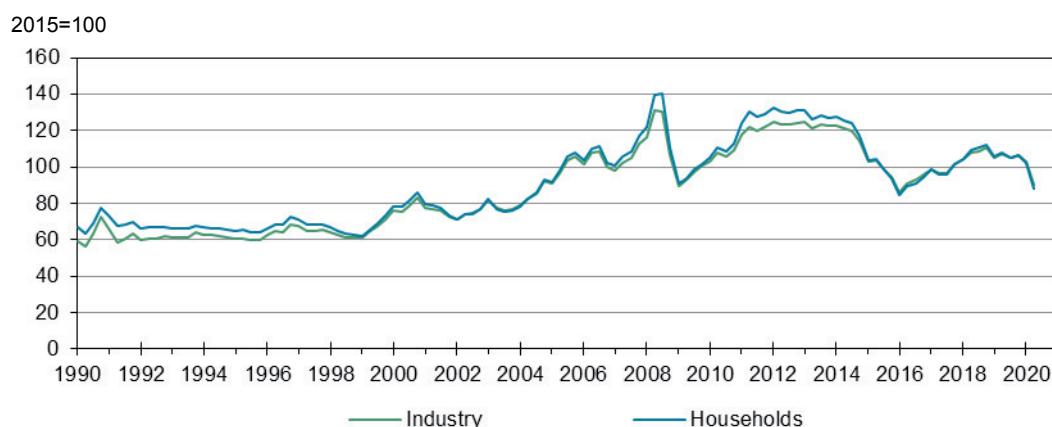
Light fuel oil

Figure 8. Real index of LFO end-use prices



Automotive diesel

Figure 9. Real index of diesel end-use prices



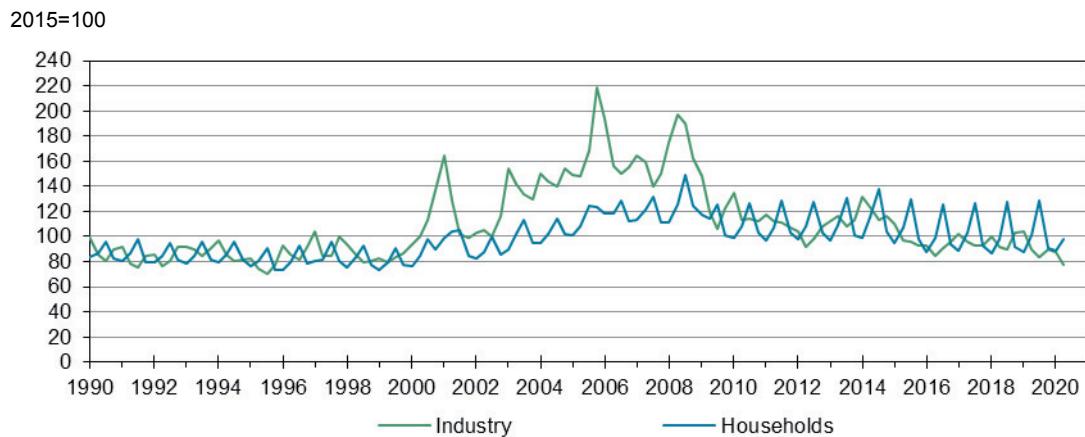
Unleaded gasoline

Figure 10. Real index of gasoline end-user prices in households



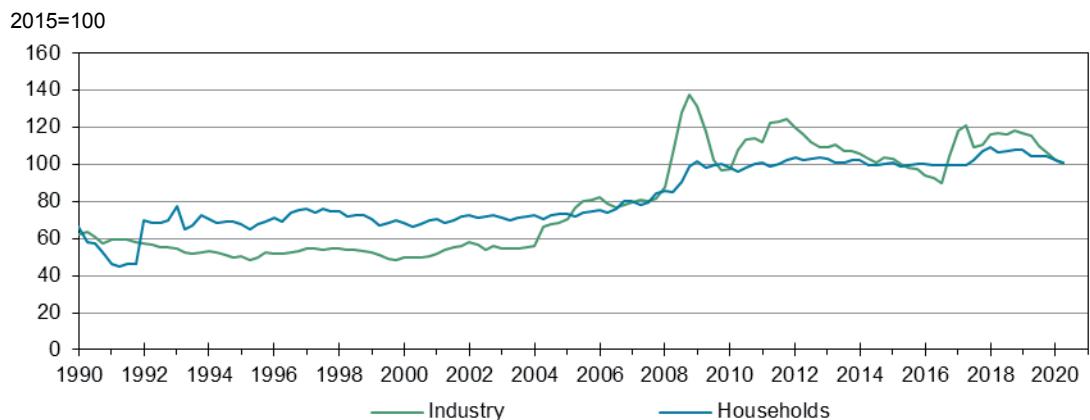
Natural gas

Figure 11. Real index of natural gas end-use prices



Coal for industry

Figure 12. Real index of coal end-use prices



Electricity

Figure 13. Real index of electricity end-use prices

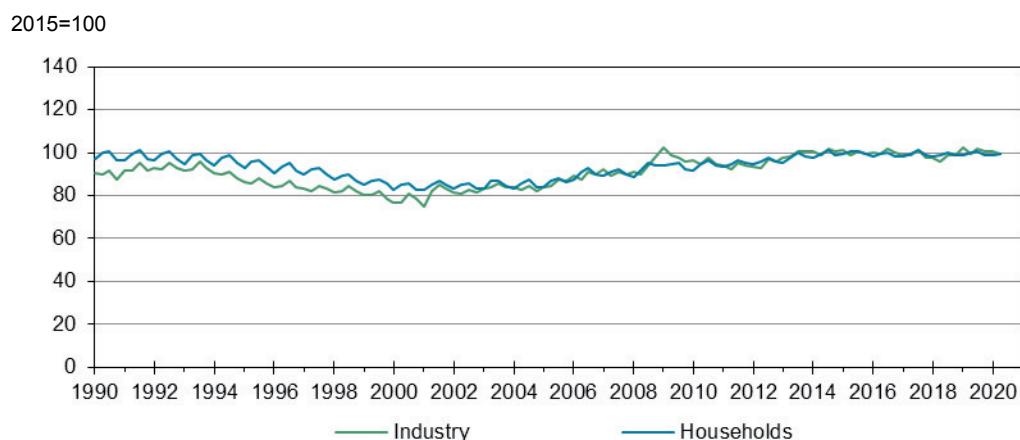
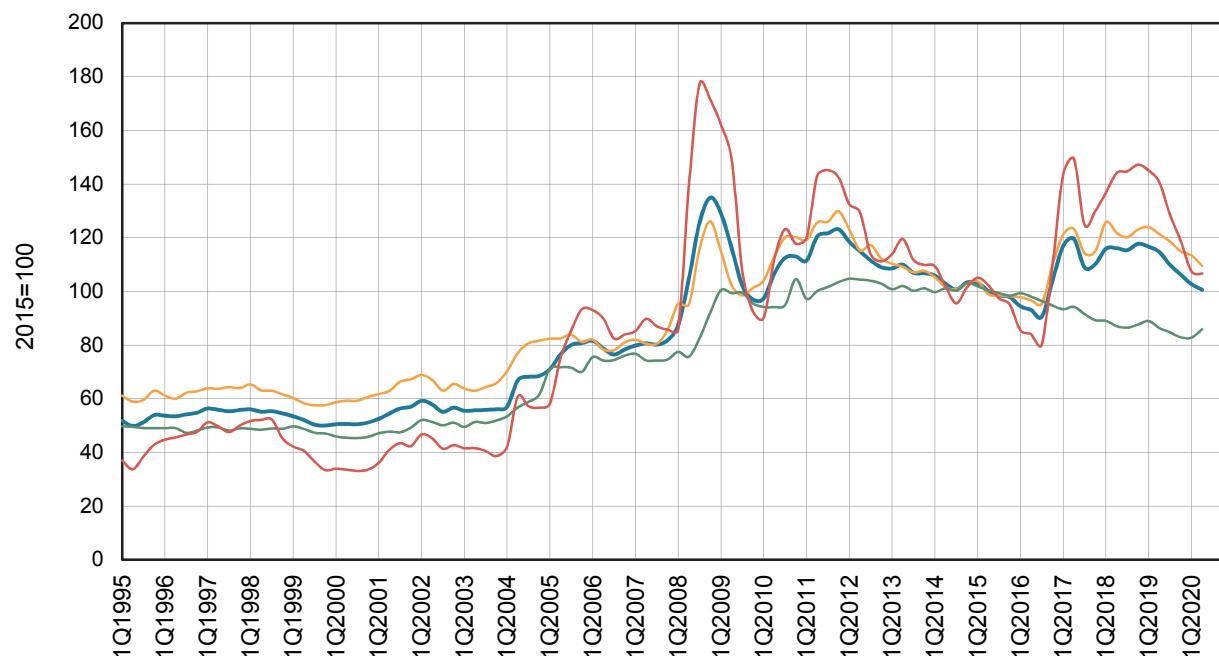


Figure 14 - Indices of real energy end-use prices¹**Oil products****Coal**

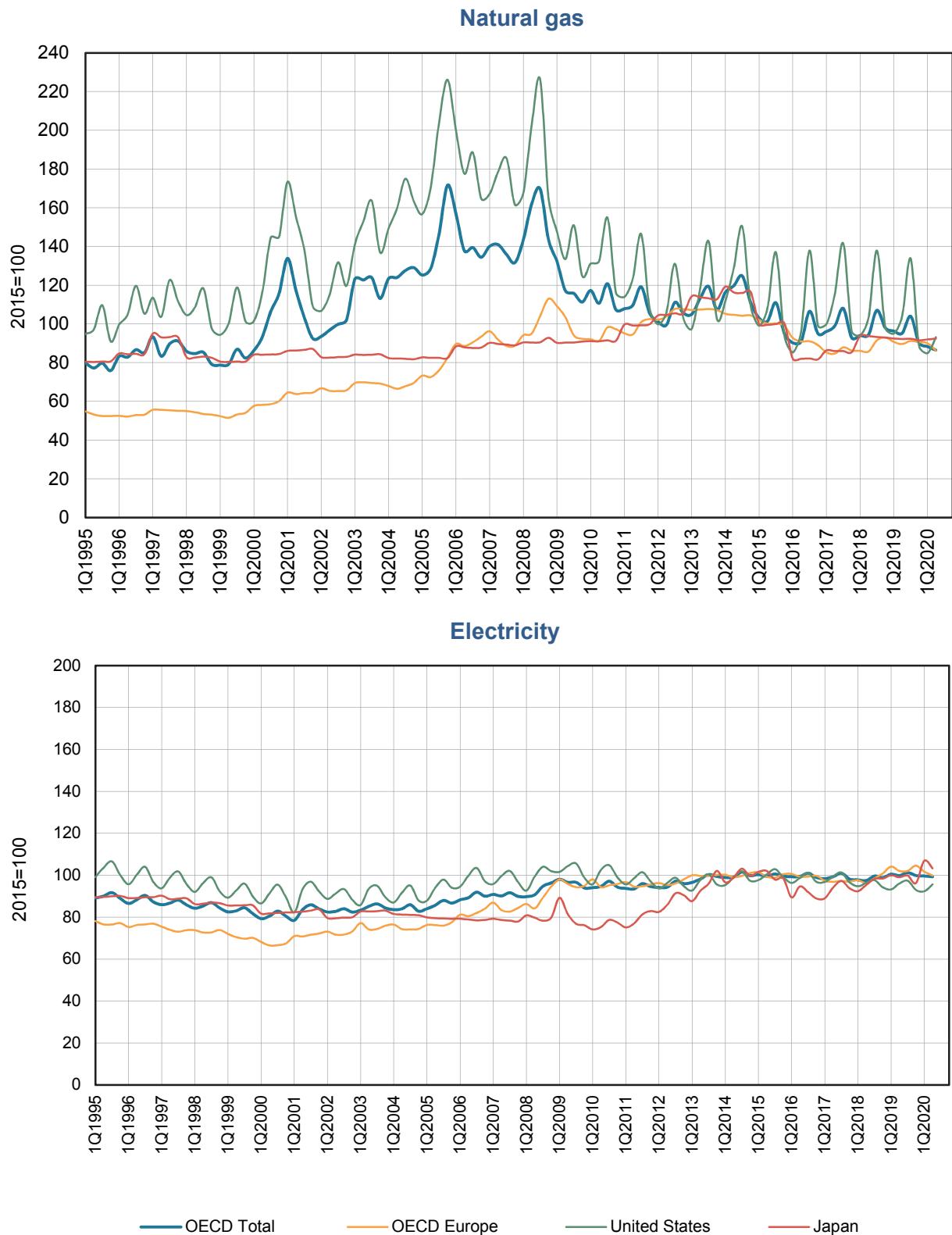
— OECD Total

— OECD Europe

— United States

— Japan

1. Quarterly averages

Figure 15 - Indices of real energy end-use prices¹

1. Quarterly averages

Taxes and duties

Households

	VAT ¹ (%)						Excise tax amounts ² (National currency per unit)					
	LFO ³	Auto diesel	Unleaded gasoline ⁴	Natural gas	LPG	Electr.	LFO ³	Auto diesel	Unleaded gasoline ⁴	Natural gas	LPG	Electr.
Units							1000 l	/	/	MWh	/	MWh
Australia	..	10.0	10.0	..	10.0	10.0	..	0.423	0.423	..	0.14	-
Austria	20.0	20.0	20.0	20.0	..	20.0	109.2	0.405	0.489	6.93	..	36.74
Belgium	21.0	21.0	21.0	21.0	21.0	21.0	18.65	0.600	0.600	2.06	-	41.68
Canada	5.0	5.0	5.0	5.0	5.0	..	72.57	0.316	0.364	-	0.12	..
Chile	0.19	0.19	0.19	0.19	x	0.19	-	71.56	283.0	-	x	-
Czech Rep.	21.0	21.0	21.0	21.0	21.0	21.0	660.0	10.95	12.84	-	2.2	28.0
Denmark	25.0	25.0	25.0	25.0	..	25.0	3 016	3.215	4.617	231.3	..	831.8 86
Estonia	20.0	20.0	20.0	20.0	20.0	20.0	58.0	0.372	0.563	6.00	0.19	14.90
Finland	24.0	24.0	24.0	..	x	24.0	248.8	0.530	0.702	..	x	22.53
France	20.0	20.0	20.0	15.9	20.0	17.3	156.20	0.609	0.691	11.86	0.12	36.78
Germany	16.0	16.0	16.0	16.0	19.0	19.0	61.35	0.470	0.654	5.50	0.09	109.7
Greece	24.0	24.0	24.0	6.0	..	6.0	280.0	0.410	0.700	1.10	..	31.53
Hungary	x	27.0	27.0	27.0	27.0	27.0	x	113.4	123.4	-	34.49	-
Iceland
Ireland	13.5	23.0	23.0	13.5	..	13.5	132.61	0.515	0.621	4.71	..	-
Israel	17.0	17.0	17.0	x	2 943	2.943	3.072	x
Italy	22.0	22.0	22.0	19.8	22.0	10.0	403.2	0.617	0.728	14.37	0.15	71.03
Japan	10.0	10.0	10.0	8.0	10.0	10.0	2 800	34.90	56.60	-	10.80	375.0
Korea	10.0	10.0	10.0	10.0	10.0	10.0	72 450	528.8	745.9	..	221	3935
Latvia	21.0	21.0	21.0	21.0	21.0	21.0	33	0.4	0.5	2	0.17	23.85
Lithuania	21.0	21.0	21.0	21.2	21.0	21.1	21	0.4	0.5	5	0.16	9.00
Luxembourg	14.0	17.0	17.0	8.0	8.0	8.0	10.00	0.355	0.472	1.08	0.05	34.00
Mexico	x	x
Netherlands	21.0	21.0	21.0	21.0	21.0	21.0	511.6	0.494	0.780	42.00	0.19	-29.327
New Zealand	..	15.0	15.0	15.0	..	15.0	..	0.044	0.773	1.73	..	-
Norway	25.0	25.0	25.0	x	..	25.0	2 960	5.080	6.330	x	..	161.3
Poland	23.0	23.0	23.0	23.0	23.0	23.0	232.0	1.474	1.675	-	0.47	5.00
Portugal	23.0	23.0	23.0	23.0	23.0	23.0	388.5	0.513	0.667	4.02	0.17	65.60
Slovak Rep.	..	20.0	20.0	20.0	20.0	20.0	..	0.368	0.514	-	0.09	-
Slovenia	22.0	22.0	22.0	22.0	22.0	22.0	233.8	0.492	0.547	6.65	0.12	9.72
Spain	21.0	21.0	21.0	21.0	21.0	21.0	96.71	0.379	0.473	2.34	0.03	10.33
Sweden	..	25.0	25.0	25.0	..	25.0	..	4.707	6.690	286.6	..	367.7
Switzerland	7.7	7.7	7.7	7.7	..	7.7	259.2	0.782	0.754	17.75	..	23.00
Turkey	18.0	18.0	18.0	18.0	18.0	18.0	1137	2.056	2.526	-	0.87	27.86
UK	5.0	20.0	20.0	5.0	..	5.0	111.4	0.580	0.580	-	..	-
USA	0.136	0.12

Note: Taxes shown are the most recent available in the last year.

Taxes shown in bold have changed since the previous quarter's publication. See country notes for details.

1. GST tax for Australia, Canada and New Zealand; sales tax for USA; consumption tax for Japan.

2. Excise taxes include all non-VAT taxes levied on energy.

3. Kerosene for Japan and Korea.

4. Regular unleaded for Australia, Canada, Japan, Korea and USA; premium unleaded 95 for all other countries. .. not available; x not applicable; - nil; c confidential

Households

	Tax component as a percentage of the total price											
	Light fuel oil ¹		Automotive diesel		Unleaded Gasoline ²		LPG		Natural gas		Electricity	
	Total tax ³ of which: VAT ⁴											
Australia	44.3	9.1	47.6	9.1	28.7	9.1	9.1	9.1
Austria	35.1	16.7	56.3	16.7	63.2	16.7	26.7	16.7	35.0	16.7
Belgium	22.1	17.4	63.9	17.4	65.2	17.4	17.4	17.4	20.7	17.1	31.8	17.1
Canada	13.2	4.8	38.3	4.8	44.3	4.8	18.2	4.8	4.8	4.8	10.4	..
Chile	16.0	16.0	26.1	14.0	45.6	10.3	x	x	16.0	16.0	16.0	16.0
Czech Rep.	35.4	30.5	59.0	17.4	66.5	17.4	35.4	17.4	17.4	17.4	18.0	17.4
Denmark	57.6	20.0	58.0	20.0	65.7	20.0	60.2	20.0	59.1	20.0
Estonia	25.3	16.7	54.0	16.6	61.9	16.7	50.5	16.7	30.0	16.7	27.6	16.7
Finland	55.9	19.4	63.9	19.4	72.6	19.4	x	x	31.8	19.4
France	37.8	16.7	67.7	16.7	70.9	16.7	30.4	16.7	27.3	13.7	34.6	14.7
Germany	27.1	13.8	56.3	13.8	64.2	13.8	32.5	16.0	21.9	13.8	54.1	16.0
Greece	55.9	19.4	55.9	19.4	71.1	19.4	7.5	5.7	25.1	5.7
Hungary	x	x	54.5	21.3	59.3	21.3	37.0	21.3	21.3	21.3	21.3	21.3
Iceland
Ireland	38.9	11.9	63.6	18.7	69.2	18.7	18.3	11.9	11.9	11.9
Israel	72.9	14.5	67.7	14.5	74.5	14.5	x	x
Italy	54.9	18.0	66.2	18.0	70.4	18.0	42.7	18.0	30.8	16.5	36.3	9.1
Japan	12.7	9.1	38.1	6.4	52.9	9.1	22.1	9.1	7.4	7.4	10.3	9.0
Korea	17.9	9.1	56.8	9.1	66.5	9.1	38.0	9.1	9.1	9.1	12.0	8.8
Latvia	23.2	17.4	58.2	17.4	63.2	17.4	49.4	17.3	21.2	17.4	31.2	17.4
Lithuania	22.5	17.4	55.4	17.4	60.3	17.4	48.0	17.3	29.3	17.5	24.5	17.4
Luxembourg	15.0	12.3	54.1	14.5	62.7	14.5	21.0	7.5	10.0	7.4	27.1	7.4
Mexico	x	x
Netherlands	70.1	17.4	58.3	17.4	69.5	17.4	51.0	17.4	60.6	17.4	-3.2	17.4
New Zealand	16.8	13.0	51.2	13.0	14.3	13.0	13.0	13.0
Norway	44.4	20.0	57.3	20.0	64.6	20.0	x	x	42.5	20.0
Poland	27.6	18.7	54.3	18.7	60.0	18.7	44.8	18.7	18.7	18.7	19.4	18.7
Portugal	58.7	18.7	62.3	18.7	70.1	18.7	44.7	18.7	23.9	18.7	48.8	18.7
Slovak Rep.	51.9	16.7	62.7	16.7	42.5	16.7	16.7	16.7	17.0	17.0
Slovenia	51.3	18.0	67.1	18.0	72.2	18.0	37.5	18.0	29.4	18.0	25.3	18.0
Spain	35.0	17.4	53.2	17.4	58.0	17.4	22.5	17.4	20.4	17.4	21.4	17.4
Sweden	54.5	20.0	70.1	20.0	43.0	20.0	39.6	20.0
Switzerland	46.6	7.1	59.3	7.1	61.4	7.1	25.5	7.1	18.1	7.1
Turkey	46.2	15.3	53.1	15.3	59.4	15.3	33.0	15.3	15.3	15.3	19.2	15.3
UK	32.0	4.8	67.9	16.7	71.1	16.7	4.8	4.8	4.8	4.8
USA	4.7	..	25.2	..	29.7

Note: Taxes shown are the most recent available in the last year.

1. Kerosene for Japan and Korea.

2. Regular unleaded for Australia, Canada, Japan and Korea; premium unleaded 95 for all other countries.

3. Total tax includes: VAT or its national equivalent (see footnote 4); excise taxes; all non-VAT taxes levied on energy.

4. GST tax for Australia, Canada and New Zealand; sales tax for USA; consumption tax for Japan.

.. not available; x not applicable; - nil; c confidential

Industry

	VAT ¹ (%)		Excise tax amounts ² (National currency per unit)							
	HFO	Coking coal	LFO ³	Automotive diesel	HSFO	LSFO	Natural gas	Steam coal	Coking coal	Electricity
Units		1000 l	/	t	t	MWh	t	t	MWh	
Australia
Austria	x	c	109.2	0.410	x	67.70	5.80	50.0	c	23.62
Belgium	x	-	18.65	0.600	x	16.35	1.12	-	-	30.15
Canada	5.0	..	18.22	0.102	22.52	..	-
Chile	..	-	c	..	-	-
Czech Rep.	c	c	660.0	10.95	c	472.0	30.6	c	c	28.30
Denmark	..	x	478.0	3.215	..	709.5	61	..	x	47.93
Estonia	58.0	0.372	5.57	14.71
Finland	..	-	248.8	0.530	18.61	201.8	201.8	7.03
France	..	-	156.20	0.609	..	139.50	5.53	..	-	21.66
Germany	..	-	61.35	0.470	5.52	..	-	73.70
Greece	..	x	280.0	0.410	..	38.00	3.28	x	x	17.20
Hungary	..	c	..	113.4	..	6 958	303.8	x	c	1 201
Iceland
Ireland	-	x	132.61	0.515	114.86	..	4.71	..	x	-
Israel	-	x	..	2.943	15.24	15.24	..	x	x	..
Italy	403.2	0.617	..	31.39	3.64	62.71
Japan	..	-	2 800	34.90	..	-	-	1 370	1 370	375.0
Korea	10.0	..	x	..	20 703	20 703	3,772.60
Latvia	33.32	0.426	1.41	22.73
Lithuania	-	..	21.14	0.372	15.060	..	6.80	9.40
Luxembourg	x	x	21.00	0.355	x	..	0.539	x	x	9.40
Mexico	..	x	x	x	..
Netherlands	x	..	511.6	0.494	x	37.76	3.10	21.60
New Zealand	-	c	-	0.044	-	..	1.73	c	c	..
Norway	x	x	2 960	5.080	x	..	x	..	x	-
Poland	-	-	232.0	1.474	64.00	64.00	0.669	5.00
Portugal	x	c	..	0.513	x	88.77	0.710	c	c	30.92
Slovak Rep.	x	..	x	0.368	x	-	1.32	1.32
Slovenia	x	x	233.8	0.492	x	101.8	3.31	c	x	11.65
Spain	..	c	96.71	0.379	..	17.00	0.54	..	c	5.16
Sweden	x	c	3 691	4.707	x	4 385	86.1	c	c	40.59
Switzerland	x	x	259.2	0.782	x	304.0	17.75	-	x	23.00
Turkey	18.0	18.0	..	2.056	224.0	..	2.16	-	-	9.64
UK	x	..	111.4	0.580	x	c	1.45	6.71	..	6.20
USA	0.136

Note: Taxes shown are the most recent available in the last year.

Taxes shown in bold have changed since the previous quarter's publication. See country notes for details.

1. GST tax for Australia, Canada and New Zealand; sales tax for USA; consumption tax for Japan.

2. Excise taxes include all non-VAT taxes levied on energy.

3. Kerosene for Japan and Korea.

.. not available; x not applicable; - nil; c confidential

Industry

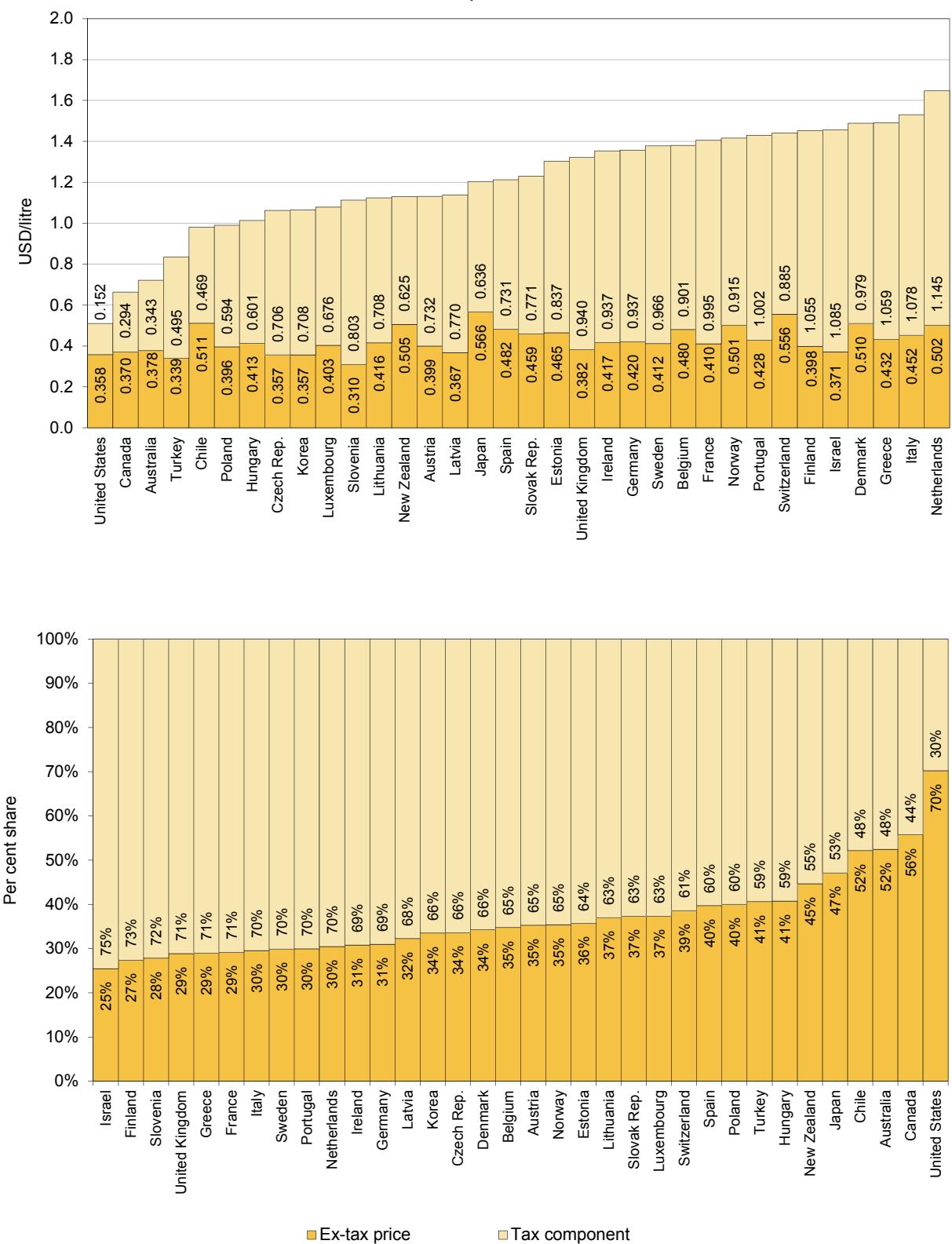
	Tax component as a percentage of the total price									
	HSFO	LSFO	LFO ¹	Auto diesel	LPG	Natural gas	Steam coal	Coking coal	Electricity	
	Total tax ²									
Australia
Austria	x	19.9	30.5	56.1	..	21.4	29.2	c	24.3	
Belgium	x	7.5	5.8	56.3	-	5.1	-	-	25.0	
Canada	8.5	..	8.5	19.0	..	4.8	11.2	
Chile	x	c	..	-	-	
Czech Rep.	c	6.2	7.0	50.4	21.8	4.4	c	c	1.1	
Denmark	..	19.0	10.9	47.5	..	29.7	..	x	9.3	
Estonia	10.4	44.8	40.6	18.4	16.5	
Finland	45.4	55.2	x	43.4	76.8	58.1	10.8	
France	..	35.5	28.4	61.2	16.5	15.5	..	-	21.0	
Germany	17.8	50.6	19.7	21.3	..	-	56.7	
Greece	..	12.5	45.3	45.3	..	9.8	x	x	19.2	
Hungary	..	5.4	..	42.2	..	4.9	x	c	3.7	
Iceland	
Ireland	30.2	..	30.6	55.3	..	11.8	..	x	-	
Israel	15.2	15.2	..	2.9	x	x	..	
Italy	..	9.7	45.0	58.8	30.1	12.4	38.3	
Japan	..	-	5.3	42.1	14.4	-	13.4	9.8	1.9	
Korea	13.8	13.7	x	-	3.6	
Latvia	7.1	49.4	38.8	5.6	20.2	
Lithuania	4.4	..	6.2	46.0	37.1	21.7	8.9	
Luxembourg	x	..	6.3	46.3	14.6	2.5	x	x	12.8	
Mexico	x	x	..	
Netherlands	x	8.5	63.8	49.5	40.8	14.8	25.1	
New Zealand	-	..	-	6.5	..	7.4	c	c	..	
Norway	x	..	30.5	46.6	..	x	..	x	20.0	
Poland	5.8	6.1	11.3	43.8	32.2	1.0	1.2	
Portugal	x	17.8	..	58.4	..	2.3	c	c	27.0	
Slovak Rep.	x	-	x	42.3	29.4	5.6	1.0	
Slovenia	x	15.5	40.6	59.9	23.7	12.5	c	x	13.6	
Spain	..	5.8	21.3	43.3	6.2	2.3	..	c	4.9	
Sweden	x	56.7	55.4	43.1	..	26.1	c	c	6.4	
Switzerland	x	304.0	47.7	73.6	..	28.8	-	x	19.4	
Turkey	25.6	53.1	41.4	16.5	15.3	15.3	16.6	
UK	x	c	22.3	61.5	..	8.0	7.2	..	5.2	
USA	4.9	..	4.9	25.2	

Note: Taxes shown are the most recent available in the last year.

1. Kerosene for Japan and Korea.

2. Total tax includes all non-recoverable taxes paid by industry (VAT, where applicable, is therefore not included for most countries).

.. not available; x not applicable; - nil; c confidential

Figure 16 - Unleaded gasoline¹ prices and taxes**2Q2020**

1. Regular unleaded for Australia, Canada, Japan, Korea, New Zealand and the United States; premium unleaded 95 for all other countries.

Figure 17 - Automotive diesel prices and taxes for non-commercial purposes

2Q2020

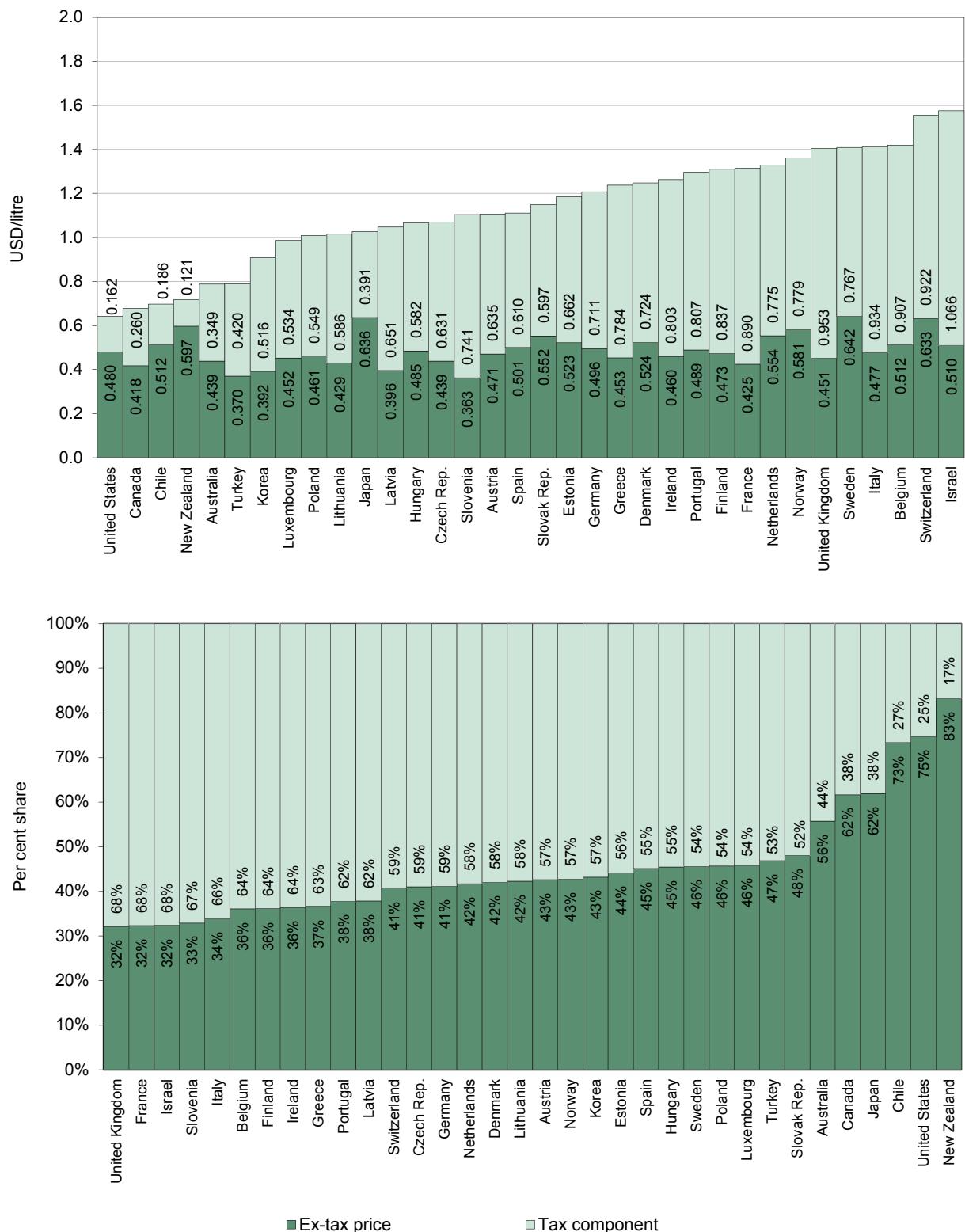
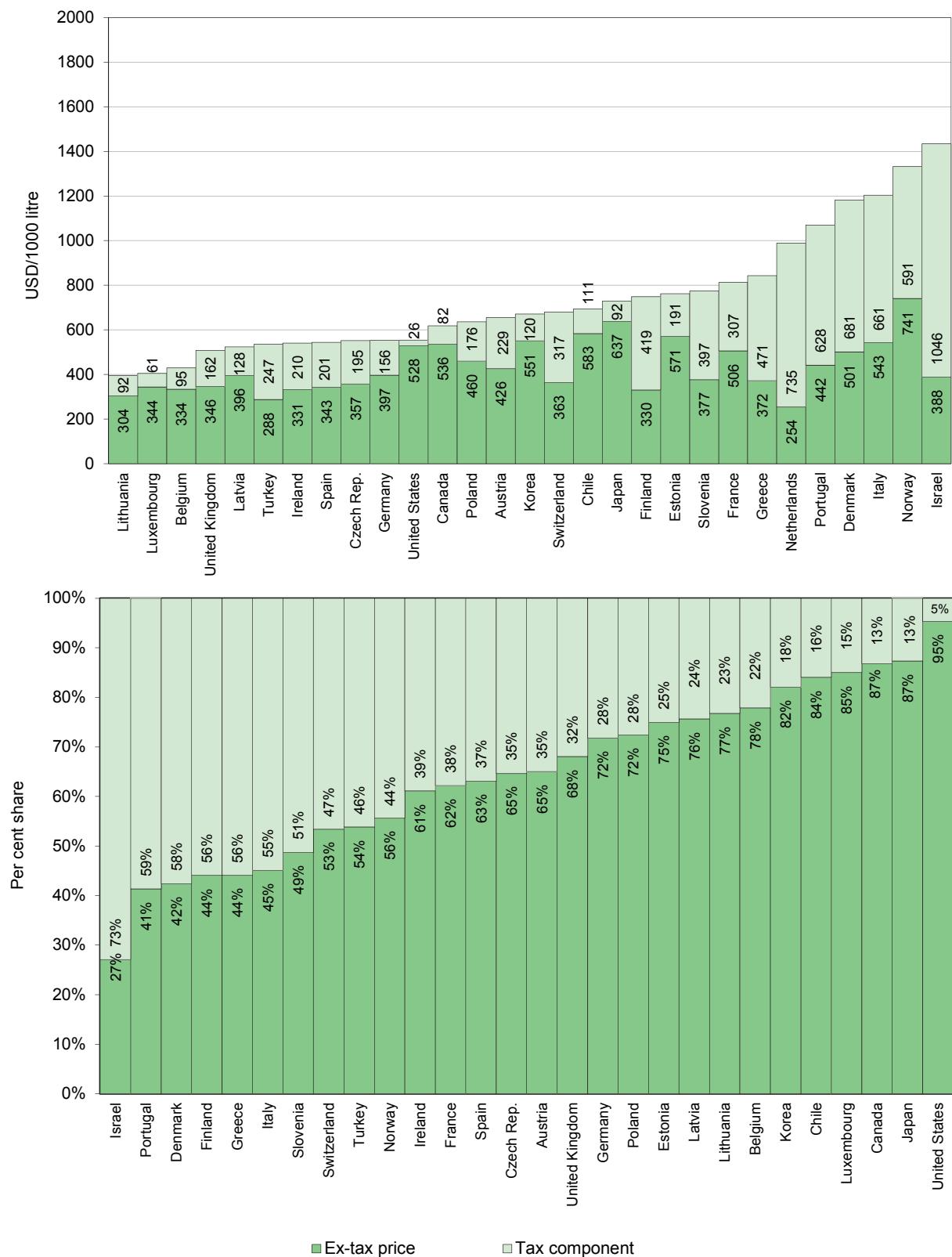


Figure 18 - Light fuel oil prices and taxes for households**2Q2020**

PART I

CRUDE OIL IMPORT COSTS AND SPOT PRICES

GENERAL NOTE ON DEFINITIONS, METHODS AND SOURCES

Spot prices are the main references used to set a price to an economic transaction involving the purchase of a commodity, such as crude oil or oil products. It is defined as the selling price for immediate rather than forward delivery in a given location.

Spot prices are the underlying variable in most pricing arrangements for crude oil trade. However, the actual prices paid for imports differ from spot prices due to crude quality considerations, transport and economies of scale, among other factors. The crude oil import costs presented in Part I are the effective import cost paid in a country per barrel of oil imported.

Crude oil import costs

Import costs of crude oil have been obtained from the monthly Crude Oil Import Register submitted to the IEA Secretariat by member governments.

Costs shown for crude oil imports into IEA countries are obtained by dividing value by volume recorded by customs administrations for each tariff position. Values recorded at the import stage include cost, insurance and freight (CIF) but exclude import duties.

Following are the typical product quality specifications of the 32 most imported crude oils into IEA countries.

Source: *International Crude Oil Market Handbook 2010*, Energy Intelligence Group.

	API gravity (°)	Sulphur (%)
Abu Dhabi Murban	39.6	0.79
Abu Dhabi Upper Zakum	34.0	1.89
Abu Dhabi Zakum	40.9	1.03
Algeria Saharan Blend	45.7	0.10
Azeri BTC	36.6	0.16
Brazil Marlim	19.2	0.78
Canada Heavy	20.9	3.05
Canada Light Sweet	34.3	0.28
Danish Blend	33.6	0.26
Iran Heavy	29.5	1.99
Iran Light	33.4	1.36
Iraq Basrah Light	30.2	2.52
Iraq Kirkuk	34.3	2.28
Kazakhstan	44.8	0.57
Kuwait Blend	30.5	2.60
Libya Light	42.1	0.15
Libya Medium	36.9	0.34

	API gravity (°)	Sulphur (%)
Mexico Maya	21.8	3.33
Nigeria Light	38.9	0.12
Nigeria Medium	30.9	0.21
Norway Ekofisk	38.0	0.21
Norway Troll	33.4	0.18
Norway Oseberg	37.8	0.27
Qatar Marine	32.7	1.85
Saudi Arabia Heavy	27.6	2.94
Saudi Arabia Medium	30.5	2.56
Saudi Arabia Light	33.0	1.83
Saudi Arabia Berri	39.5	1.07
UK Forties	40.3	0.56
Urals	31.8	1.35
Venezuela Extra Heavy	15.0	3.07
Venezuela Medium	27.0	1.54

Following are the typical specifications of other crude oils previously imported in significant quantities.

	API gravity (°)	Sulphur (%)
Mexico Olmeca	38-39	0.79
Norway Gullfaks	37.5	0.23
Norway Statfjord	39.5	0.22
Oman	33.3	1.14
Syria Light	38.2	0.72
UK Brent blend	38.5	0.41
Venezuela Light	31.5	0.73

Notes on regulations for oil imports

Crude Oil

In general, imported products are subject to the same domestic taxes as domestically refined products (exception: Japan) or to import duties which are equivalent to these taxes (Australia, Switzerland).

Oil Products

European Union

The European Union applies no quantitative restrictions (quotas) to crude and product imports. Crude oil imports are duty free, as are feedstocks for refining and petrochemical processing. Finished products are subject to duties. For HFO and gasoil (with a sulphur content

greater than 0.2% by weight) it is 3.5%. For lighter products it is 4.7%, which is applied or not depending upon their origin.

Customs duty is not applied on imports from the EU, EFTA and ACP countries nor from Israel.

Under the General System of Preferences 2002-2004, (GSP) products from over 150 non-OECD countries, including the GCC, Venezuela and the ex-USSR Republics can be imported free of duty. The exceptions are Libya, Russia and Saudi Arabia whose finished products exports to the European Union are now subject to a full tariff.

Therefore, duty is applied on those products destined for consumption in the European Union and most imports from Saudi Arabia, Libya, Russia and some OECD countries (including the United States and Canada). The exception is gasoil (sulphur content not exceeding 0.2% by weight), for which the duty rate of 3.5% is reduced to zero for an indefinite period regardless of the origin of the product.

Austria

Tariffs (ad valorem duty)

Gasolines:	6%
Kerosenes:	6%
Gas oils:	0 - 3.5%
Fuel oils:	≥ 3.5%

Imports from EFTA and EU countries are duty free. Other GATT countries are subject to a preferential treatment. There are no quantitative restrictions on imports.

Source: Ministry of Economic Affairs.

France

France applies no restriction to crude or oil products imports. Nevertheless, certain oil products are subject to an import licence, except those coming from countries with preferential treatment or from the European Union.

Ireland

From July 2001 onwards, oil companies are no longer obliged to purchase 20% of their gasoline and middle distillate requirements from the domestic refinery.

Spain

Imports of oil products are subject to state trading but customs duties have been established recently. The right to import products is reserved to the company operator of the Oil Distribution Monopoly and to other firms if these have a delegated authority and necessary licences.

Australia

Importers of oil products pay customs duty at a rate equal to the excise duty levied on domestically refined products.

There are no quantitative restrictions on imports.

Canada

No duties are payable on petroleum product imports and there are no quantified restrictions.

Japan

Updated using Facts Energy Insights, Issue 68, December 2005.

Crude Oil: The existing customs duties on crude oil (170 JPY/kilotonne) were abolished as of 1 April, 2006.

Oil Products: The rates as of December 2005 are listed in the table below. The government is expected to eventually abolish all the customs duties on oil products, as they are by definition a temporary measure.

Tariffs

Product	JPY/kl
Fuel oil A (< 0.3% sulphur)	2 593
Fuel oil A (> 0.3%)	3 306
Fuel oil C (< 0.3%)	2 376
Fuel oil C (> 0.3%)	3 202
Kerosene	564
Gas oil	1 257
Gasoline	1 386

Switzerland

Importers of oil products have to pay duties equivalent to the excise tax charged to domestic refiners when they deliver products to the domestic market. Products are not eligible for preferential tariff treatment. Refineries are treated as "before tax zones". Refined products are taxed as soon as they leave refinery areas.

Turkey

There is no restriction on crude oil or oil product imports and no custom duty for crude oil. The tax and fund rates on imported petroleum products and also products which are produced by using imported crude oil are given below. The excise tax and Fuel Price Stabilising Fund are fixed. In January 1996, Turkey signed the Customs Union Agreement with the European Union. Therefore, customs duty is not applied on imports from the European Union, EFTA countries or Israel.

	Customs duties (%)	VAT (%)	Excise tax	Fuel price stabilising fund
LPG	0.7	18	363 808	9 000
Unleaded gas.	4.7	18	780 908	-
Other gasoline	4.7	18	793 124	-
Kerosene	4.7	18	491 700	10 600
Jet fuel	4.7	18	-	-
Diesel fuel	3.5	18	525 673	-
Heating fuel	3.5	18	222 475	500
Fuel oil	3.5	18	75 250	-

United States

The main oil products do not fall under the US preferential system from which most OPEC countries are, inter alia, excluded.

	Crude oil import duties cents/bbl	Oil product tariffs cents/gal		
			cents/bbl	cents/gal
> 25 API	10.5	0.25	x	x
< 25 API	5.25	1.25	x	x
Naphtha	x	x	10.5	0.25
Gasoline	x	x	52.5	1.25
Diesel oils	x	x	10.5	0.25
Heavy fuel	x	x	10.5	0.25
Lubricants	x	x	84.0	2.00

x = not applicable.

Oil product spot prices¹

Oil product spot prices are calculated from daily quotations from *Argus*.

Further methodological information, including product specifications, is available in *Argus European Products Specifications Guide*, *Argus US Products Specifications Guide* and *Argus Asia-Pacific Products Specifications Guide* at <https://www.argusmedia.com/Methodology-and-Reference/>.

Product	Market	Specifications
Gasoline	NW Europe	Gasoline Euro-bob oxy NWE prompt, London close, midpoint, barge, fob
	United States	Gasoline 93 V conv Colonial cycle 1, Houston close, midpoint, pipeline, fip
	Singapore	Gasoline 95r Singapore prompt, Singapore close, midpoint, fob
Gasoil	NW Europe	Gasoil heating oil German NWE prompt, London close, midpoint, barge, fob
	United States	Heating Oil 2000ppm Colonial pipeline cycle 1, Houston close, midpoint, pipeline, fip
	Singapore	0.05% Singapore prompt, Singapore close, midpoint, fob
Jet/Kero	NW Europe	Jet/kerosene NWE prompt, London close, midpoint, fob
	United States	Jet/kerosene 54 Colonial cycle 1, Houston close, midpoint, pipeline, fip
	Singapore	Jet/kerosene Singapore prompt, Singapore close, midpoint, fob

1. Source: Based on Argus unless otherwise specified.
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Product	Market	Specifications
Naphtha	NW Europe	Naphtha 65 para NWE prompt, London close, midpoint, barge, fob
	Singapore	Naphtha Singapore prompt, Singapore close, midpoint, fob
LSFO	NW Europe	Fuel oil 1% NWE prompt, London close, midpoint, fob
	Singapore	Fuel oil LSWR V-500 Indonesia prompt, Singapore close, midpoint, fob
HSFO	NW Europe	Fuel oil 3.5% NWE prompt, London close, midpoint, fob
	United States	Fuel oil No 6, 3% USGC prompt, Houston close, midpoint, fob
	Singapore	Fuel Oil HS 380 cst cargo Singapore prompt, Singapore close, midpoint, fob

Conversion Factors

Product	Product	bbl/ tonne
NW Europe	Gasoline	8.35
	Gasoil	7.46
	Jet/Kero	7.88
	Naphtha	8.82
	LSFO	6.49
	HSFO	6.31
Singapore	HSFO	6.46

Crude oil spot prices²

The monthly, quarterly and yearly average crude oil spot prices are calculated from daily quotations from *Argus Crude*.

Argus Crude provides prices that are used in third-party contracts, risk management contracts (such as swaps), underlying futures settlement prices, internal price transfer, internal benchmarking, mark-to-market assessment and market analysis.

The assessed crude prices are based on prices from the open spot market whenever possible. Argus publishes prices that report and reflect prevailing levels for open-market arm's length transactions.

Product quality specifications given below are based on *Argus Crude Methodology and Specifications Guide*, October 2015 and *Argus Americas Crude Methodology and Specifications Guide*, September 2015, <http://www.argusmedia.com>. The API density and sulphur content figures are typical values.

2. Source: Based on Argus unless otherwise specified.
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North Sea

Set by the lowest of the Brent, Forties, Oseberg and Ekofisk components. Consequently it is not the price of a grade of crude but a benchmark established through a methodology. It therefore has no specific API density or sulphur specification: the lowest and highest values across the components are given for indicative purposes.

Specification:	North Sea Dated, London close, midpoint, fob
Basis/Location:	Sullom Voe, Hound Point, Teeside, UK or Sture terminal
API Gravity:	37.5° – 40.3°
Sulphur Content:	0.23 – 0.56

West Texas Intermediate (WTI)

Specification:	WTI Formula Basis month 1, No time stamp, midpoint, fip
Basis/Location:	Cushing, Midland
API Gravity:	40.0°
Sulphur Content:	0.37

West Texas Sour (WTS)

Specification:	WTS weighted average month 1, Houston close, index, fip
Basis/Location:	Midland
API Gravity:	38.0°
Sulphur Content:	0.50

Light Louisiana Sweet (LLS)

Specification:	LLS weighted average month 1, Houston close, index, fob
Basis/Location:	Capline St. James
API Gravity:	37.0°
Sulphur Content:	0.38

Arab Light

Product quality specifications based on *International Crude Oil Market Handbook 2010*, Energy Intelligence Group. Prices are as published in the IEA *Oil Market Report* prior to 2002.

Specification:	Dated
Basis/Location:	Ras Tanura, King Fahd, Juaymah
API Gravity:	33.0°
Sulphur Content:	1.83

Dubai

Specification:	Dubai month 1, Singapore close, midpoint, fob
Basis/Location:	Dubai
API Gravity:	31.0°
Sulphur Content:	2.04

Iran Light

Specification:	Iranian Light dated, London close, midpoint, fob
Basis/Location:	Sidi Kerir
API Gravity:	33.7°
Sulphur Content:	1.50

Iran Heavy

Specification:	Iranian Heavy dated, London close, midpoint, fob
Basis/Location:	Sidi Kerir
API Gravity:	30.7°
Sulphur Content:	1.80

Urals

Specification:	Urals Med 80kt dated, London close, midpoint, cif
Basis/Location:	Augusta, Italy
API Gravity:	30.9°
Sulphur Content:	1.33

Minas

Specification:	Minas prompt, Singapore close, midpoint, fob
Basis/Location:	Indonesia
API Gravity:	35.0°
Sulphur Content:	0.08

Tapis

Specification:	Tapis prompt, London close, midpoint, fob
Basis/Location:	Malaysia
API Gravity:	46.0°
Sulphur Content:	0.02

Table 1 - Crude oil import costs in USD/bbl
(average unit value, CIF)

	IEA ¹	IEA Europe ¹	Australia	Austria	Belgium	Canada	France	Germany	Greece
1985	27.56	27.75	28.17	28.74	27.47	27.85	..	27.93	27.98
1986	14.93	14.36	14.49	16.28	14.19	16.00	..	14.88	12.82
1987	17.95	18.06	19.00	18.81	17.78	18.59	..	18.32	17.85
1988	14.86	14.89	15.93	16.21	14.85	15.48	..	15.26	14.54
1989	17.47	17.68	17.63	19.10	17.30	18.56	..	18.23	17.13
1990	22.16	22.66	24.21	24.58	21.11	24.15	..	23.17	22.42
1991	19.30	19.53	20.70	22.55	19.36	20.83	..	20.36	18.39
1992	18.49	18.54	20.16	20.35	18.13	19.46	18.94	19.13	17.63
1993	16.37	16.14	17.91	18.02	15.84	17.19	16.05	16.88	15.09
1994	15.66	15.63	16.76	16.99	15.41	16.30	15.76	15.81	15.17
1995	17.19	17.06	18.53	18.78	16.94	17.76	17.14	17.07	16.54
1996	20.52	20.67	21.81	22.06	20.53	21.26	20.82	20.68	20.08
1997	19.11	18.88	21.78	21.31	18.65	20.59	18.99	19.01	18.45
1998	12.52	12.30	14.60	14.34	11.97	13.15	12.43	12.48	11.66
1999	17.26	17.32	18.38	17.54	17.33	17.85	17.45	17.51	16.64
2000	28.00	27.89	30.79	29.39	27.87	29.10	28.18	28.09	26.95
2001	23.65	23.92	26.61	25.32	24.20	24.87	24.13	24.15	23.22
2002	24.19	24.30	25.80	24.64	24.35	24.97	24.63	24.40	24.08
2003	28.38	28.39	31.24	29.59	27.72	29.53	28.87	28.44	27.17
2004	36.38	36.53	40.93	38.21	35.35	38.13	37.61	36.65	34.53
2005	50.67	51.74	56.71	53.15	50.06	52.37	52.74	52.30	50.33
2006	61.80	62.77	66.71	64.44	61.06	64.33	63.69	63.29	60.97
2007	69.33	70.81	77.13	71.86	70.35	70.04	72.22	71.60	69.93
2008	97.19	96.83	107.83	103.05	96.01	101.41	97.63	96.70	93.60
2009	60.40	61.09	63.40	60.69	61.77	60.29	61.64	61.18	60.10
2010	78.13	79.05	82.60	80.00	79.65	79.14	79.78	78.49	78.97
2011	107.61	110.54	115.66	110.92	110.50	110.80	111.78	110.63	109.41
2012	109.15	111.58	117.78	112.50	110.83	110.61	112.01	112.21	111.92
2013	105.85	108.93	114.19	110.63	108.45	108.60	109.56	109.62	107.61
2014	97.43	98.89	107.05	103.81	98.49	98.60	99.40	99.76	95.55
2015	50.88	51.83	57.90	55.52	51.65	53.48	53.14	52.65	49.32
2016	40.86	42.18	46.87	42.89	42.06	43.60	43.48	42.80	40.08
2017	52.05	53.26	56.99	54.73	53.01	54.30	54.47	54.02	50.81
2018	67.77	70.52	76.03	71.12	70.57	70.88	71.59	70.50	68.14
2019	62.75	64.25	70.21	64.52	63.78	63.12	64.98	64.43	62.24
2Q2019	67.62	69.11	74.14	c	68.20	67.61	69.46	69.54	c
3Q2019	61.51	62.31	68.85	c	61.78	61.71	62.72	62.54	c
4Q2019	61.66	63.40	70.43	c	62.73	62.85	65.10	63.48	c
1Q2020	53.85	53.74	66.47	c	50.57	57.09	57.06	52.44	c
2Q2020	27.45	28.07	36.57	..	26.47	33.64	29.91	29.69	..
Apr 2019	68.26	70.42	73.98	c	70.97	67.83	71.06	70.50	c
May 2019	69.77	71.21	75.37	c	70.47	70.34	70.28	71.79	c
Jun 2019	64.78	65.59	73.30	c	63.08	64.87	66.67	66.16	c
Jul 2019	63.16	64.63	71.37	c	63.42	62.15	64.73	65.04	c
Aug 2019	60.45	60.14	68.42	c	59.02	61.77	60.47	60.50	c
Sep 2019	60.87	62.13	66.71	c	63.16	61.23	63.02	61.55	c
Oct 2019	60.06	60.70	67.67	c	59.24	60.78	62.05	60.29	c
Nov 2019	61.32	63.18	70.02	c	62.58	62.46	65.23	63.33	c
Dec 2019	63.47	66.34	73.32	c	66.33	65.15	69.37	66.68	c
Jan 2020	63.55	65.44	73.34	c	63.23	66.43	68.53	65.34	c
Feb 2020	57.46	58.05	69.12	c	55.72	60.20	58.59	57.92	c
Mar 2020	40.66	37.55	57.63	c	32.78	43.12	40.47	34.60	c
Apr 2020	24.13	20.99	39.56	c	17.68	30.35	25.19	20.77	c
May 2020	24.48	26.25	35.37	c	26.03	28.27	25.71	27.50	c
Jun 2020	34.43	38.18	c	..	c	42.02	38.48	38.93	..

1. Computed across the countries of the region using import volumes as current weights. Poland is included since January 2008; the Slovak Republic is included since January 2007; Korea and the Czech Republic are included since January 2001; Hungary is not included. Data for Mexico are not available.

For reasons of confidentiality, data for some countries are not listed separately.

Table 1 (cont.) - Crude oil import costs in USD/bbl
(average unit value, CIF)

	Italy	Japan	Korea	Netherlands	New Zealand	Spain	Sweden	United Kingdom	United States
1985	27.38	27.90	..	27.62	27.66	27.15	27.51	27.63	26.78
1986	13.83	16.08	..	14.38	16.94	13.87	14.67	14.07	14.71
1987	17.78	17.99	..	17.60	17.91	18.29	18.00	18.05	17.73
1988	14.86	15.47	..	14.58	15.25	14.42	14.73	14.92	14.33
1989	17.48	16.91	..	17.56	17.29	17.22	18.05	17.60	17.50
1990	23.23	22.64	..	21.83	21.97	21.88	23.02	22.92	21.07
1991	19.14	20.14	..	18.86	20.57	18.50	20.19	20.06	18.23
1992	18.30	19.30	..	18.13	19.41	17.31	18.98	19.07	17.73
1993	15.87	17.47	..	15.53	17.32	15.13	16.60	16.58	15.87
1994	15.49	16.48	..	15.20	16.93	15.24	15.81	15.83	15.06
1995	16.90	18.02	17.32	16.92	18.73	16.96	17.23	17.29	16.74
1996	20.53	20.55	20.11	20.39	21.86	20.45	20.86	21.08	20.16
1997	18.88	20.55	20.34	18.37	21.65	18.34	18.90	19.32	18.34
1998	12.21	13.68	13.72	11.98	14.63	11.80	12.61	12.64	12.02
1999	17.10	17.38	16.91	16.97	18.16	16.99	17.68	18.01	17.06
2000	27.77	28.72	28.22	27.59	29.95	27.16	28.13	28.45	27.54
2001	23.87	25.01	24.87	23.48	26.14	23.32	24.03	24.45	22.07
2002	24.34	24.96	24.12	23.99	25.89	23.95	23.86	24.58	23.52
2003	28.58	29.26	28.80	27.67	31.00	28.13	28.60	29.13	27.66
2004	36.60	36.59	36.15	35.02	41.71	36.03	36.47	37.75	35.86
2005	51.33	51.57	50.19	50.00	56.07	50.54	51.78	53.79	48.82
2006	62.50	64.03	62.82	61.47	67.36	60.99	62.50	65.00	59.17
2007	70.20	70.09	70.01	68.74	73.84	68.66	70.13	73.80	66.77
2008	96.67	100.98	98.11	97.89	105.80	94.86	95.09	99.34	94.97
2009	60.69	61.29	61.12	60.54	65.85	59.78	60.58	62.39	58.83
2010	79.29	79.43	78.72	78.55	80.62	77.84	79.00	80.60	76.02
2011	110.23	109.30	108.63	109.19	112.38	108.50	110.67	113.49	102.43
2012	112.18	114.75	113.24	111.54	117.70	109.48	112.36	112.62	101.16
2013	109.98	110.61	108.59	108.55	113.43	106.77	109.10	110.27	97.26
2014	99.09	104.16	101.24	99.22	105.96	97.07	97.75	100.07	89.43
2015	52.06	54.20	53.32	51.66	57.99	49.51	51.19	53.81	45.81
2016	42.33	41.79	41.00	41.62	44.91	40.08	42.41	44.62	37.94
2017	53.17	54.42	53.47	52.63	55.91	51.69	54.17	54.69	48.12
2018	70.88	72.85	71.56	69.99	75.68	69.02	71.49	72.65	59.19
2019	64.70	66.78	65.42	63.96	69.27	62.84	64.80	65.58	56.33
2Q2019	69.43	71.57	69.43	68.98	73.93	68.26	69.62	70.08	62.05
3Q2019	63.06	65.85	64.44	62.21	68.42	61.06	61.79	63.47	56.14
4Q2019	64.00	66.13	64.53	62.59	68.71	61.55	64.67	65.35	53.87
1Q2020	53.80	65.26	62.26	54.12	67.73	55.94	52.70	55.89	43.42
2Q2020	28.43	29.43	30.08	27.63	34.43	26.92	28.97	29.75	23.61
Apr 2019	71.20	69.96	68.87	69.79	70.42	68.82	71.14	71.54	63.04
May 2019	71.93	73.32	71.06	71.73	75.57	70.46	70.23	72.51	64.67
Jun 2019	65.77	71.35	68.45	65.10	c	65.46	66.54	66.48	58.58
Jul 2019	65.41	66.24	65.59	64.90	71.33	63.52	64.20	65.81	57.41
Aug 2019	60.59	66.76	64.59	60.07	68.26	59.17	59.36	61.61	55.20
Sep 2019	63.42	64.35	63.00	61.75	c	60.80	62.16	63.25	55.81
Oct 2019	61.43	65.21	63.56	60.21	68.05	60.44	60.15	62.14	53.60
Nov 2019	62.93	64.94	64.11	64.18	67.99	60.00	63.03	64.74	53.75
Dec 2019	67.51	67.97	65.86	63.33	c	64.14	70.01	68.90	54.20
Jan 2020	66.12	70.79	69.16	65.89	73.64	65.23	c	67.01	52.92
Feb 2020	58.34	69.60	64.23	58.83	c	57.88	c	60.39	46.64
Mar 2020	36.26	56.30	52.83	37.91	60.92	45.00	33.70	40.07	31.18
Apr 2020	20.38	36.34	34.05	20.87	c	22.07	19.71	24.20	17.26
May 2020	24.34	22.39	26.16	26.43	32.35	23.73	27.44	27.36	20.84
Jun 2020	38.00	28.15	29.85	37.51	34.43	36.04	41.15	37.75	32.74

Table 2 - IEA crude oil import costs by type of crude in USD/bbl
(average unit value, CIF)

	Abu Dhabi ¹ Murban	Abu Dhabi Upper Zakum	Algeria ¹ Saharan Blend	Canada Heavy	Canada Light Sweet	Iran Heavy	Iran Light	Iraq Basrah Light
1985	28.93	..	28.66	27.24	27.80	27.99
1986	16.02	..	15.03	15.05	14.99	16.02
1987	18.72	..	18.97	17.98	18.32	18.20
1988	14.84	..	15.96	14.34	14.79	14.65
1989	17.50	..	19.27	16.77	17.14	17.15
1990	23.84	..	24.65	20.48	22.80	17.92
1991	21.04	..	22.15	17.87	19.58	x
1992	20.23	..	20.92	17.51	18.56	x
1993	18.29	..	18.46	15.20	16.18	x
1994	17.38	15.88	16.97	13.64	15.88	14.92	15.59	x
1995	18.62	17.42	18.20	15.50	17.73	16.63	16.91	x
1996	21.50	19.58	22.26	18.64	21.42	19.55	19.89	x
1997	21.69	19.81	20.61	16.10	19.98	18.26	19.02	18.01
1998	14.38	13.32	14.02	10.28	13.52	11.64	12.12	11.59
1999	17.19	17.08	18.80	16.11	18.99	16.01	16.25	17.33
2000	29.54	28.18	29.70	23.78	29.43	26.95	27.19	27.61
2001	26.22	24.62	25.83	17.22	25.05	23.37	23.83	21.05
2002	25.22	24.52	25.47	20.98	25.29	23.70	23.94	22.24
2003	29.77	28.38	30.07	24.37	29.56	27.20	27.82	27.64
2004	38.13	35.45	40.32	30.77	38.25	33.74	35.12	34.78
2005	54.81	49.49	55.85	38.90	52.05	47.30	49.41	47.50
2006	66.61	62.16	67.36	47.84	60.88	60.04	62.07	58.93
2007	73.22	67.58	74.55	52.76	67.99	67.08	67.33	67.00
2008	103.90	99.80	103.02	83.30	99.47	96.63	95.46	95.38
2009	63.16	60.88	62.46	52.74	62.23	60.46	60.19	59.71
2010	80.32	78.68	80.82	67.83	78.96	77.36	78.10	77.26
2011	111.33	109.00	112.48	81.75	103.24	106.70	109.66	105.93
2012	115.76	112.96	111.82	77.81	97.56	112.75	113.88	107.94
2013	111.95	109.31	110.37	76.78	100.00	107.93	108.44	104.59
2014	105.76	103.79	101.25	76.85	93.59	104.19	99.00	95.77
2015	56.28	54.05	54.24	39.11	49.97	51.94	54.19	49.44
2016	45.46	40.61	45.43	32.83	43.64	41.59	43.04	38.81
2017	55.53	54.12	54.90	42.26	52.67	50.41	51.81	50.57
2018	75.14	72.15	72.66	45.47	60.95	67.14	69.18	67.72
2019	68.26	66.53	65.74	48.52	57.13	63.65	60.21	62.13
2Q2019	72.50	71.25	70.59	54.53	61.12	67.69	..	67.41
3Q2019	67.09	65.90	63.13	49.04	56.51	61.07
4Q2019	67.51	65.87	65.56	46.26	57.90	60.12
1Q2020	66.12	65.10	57.50	34.91	48.37	48.07
2Q2020	29.56	27.99	31.83	18.83	27.21	24.55
Apr 2019	71.50	69.37	72.46	56.51	63.58	67.36	..	67.99
May 2019	74.57	73.12	72.50	57.66	63.33	68.56	..	68.96
Jun 2019	71.04	71.33	66.45	49.88	56.34	67.34	..	65.10
Jul 2019	68.06	66.50	66.51	49.91	56.19	63.34
Aug 2019	67.29	66.88	60.87	48.15	56.56	59.41
Sep 2019	65.66	64.07	63.14	49.02	56.81	60.44
Oct 2019	66.71	65.05	62.27	46.74	56.45	58.71
Nov 2019	66.86	65.48	64.59	46.99	58.01	59.49
Dec 2019	69.17	66.97	68.91	45.26	59.36	61.63
Jan 2020	71.36	70.80	67.21	44.00	59.00	61.55
Feb 2020	70.15	68.88	63.28	36.39	51.67	53.54
Mar 2020	58.48	57.51	40.60	23.89	34.90	34.01
Apr 2020	34.85	33.61	28.35	10.48	24.64	20.56
May 2020	24.38	20.68	27.55	14.74	22.01	22.68
Jun 2020	31.15	30.10	39.74	32.34	37.35	33.09

1. Prior to January 1994, Abu Dhabi Murban refers to average Abu Dhabi; Algeria Saharan Blend refers to average Algeria.

**Table 2 (cont.) - IEA crude oil import costs by type of crude in USD/bbl
(average unit value, CIF)**

	Iraq Kirkuk	Kuwait Blend	Libya ¹ Medium	Libya Light	Mexico Maya	Mexico Olmeca	Nigeria Medium	Nigeria ¹ Light
1985	27.86	28.36	28.29	..	24.73	28.82
1986	13.96	14.05	14.07	..	13.05	15.97
1987	17.96	17.55	18.40	..	15.92	19.09
1988	14.59	14.06	15.47	..	12.24	16.11
1989	17.52	16.49	18.27	..	14.89	19.08
1990	17.46	17.23	23.69	..	17.78	24.38
1991	x	18.23	20.08	..	13.83	22.08
1992	x	17.38	19.18	..	13.60	20.71
1993	x	14.51	16.92	..	12.13	18.62
1994	x	14.48	15.77	16.01	12.93	16.50	16.99	17.02
1995	x	16.76	17.36	17.45	14.97	17.78	18.06	18.20
1996	22.84	19.66	21.33	20.99	17.73	21.83	21.70	22.03
1997	18.41	18.28	19.45	19.57	15.56	20.13	20.95	20.94
1998	11.50	11.72	12.96	13.07	9.33	13.65	14.33	14.18
1999	16.42	16.49	17.86	17.98	14.43	17.89	15.98	17.99
2000	27.06	27.15	28.98	28.91	23.82	29.59	30.03	30.31
2001	22.56	22.83	24.78	25.33	17.91	24.62	25.87	26.26
2002	23.26	23.46	24.81	25.37	21.23	24.38	25.33	25.89
2003	29.01	27.39	29.24	29.64	24.79	31.03	30.97	30.93
2004	35.84	34.16	38.87	39.18	30.91	42.91	40.10	40.56
2005	51.54	47.89	53.42	54.82	41.33	60.39	55.34	56.77
2006	63.50	59.89	64.95	65.65	52.19	62.83	66.15	68.68
2007	81.03	66.43	73.19	73.38	60.77	74.22	77.67	75.13
2008	100.59	92.91	97.18	100.87	85.45	101.00	106.41	104.21
2009	59.56	59.86	60.97	62.60	56.08	59.11	65.34	65.72
2010	77.74	77.36	78.32	81.05	70.91	85.42	82.06	82.35
2011	107.59	107.51	103.04	103.25	99.04	110.74	114.47	114.66
2012	109.90	110.68	113.34	112.20	100.85	108.88	115.51	115.51
2013	106.21	106.30	109.28	110.69	97.79	100.11	112.36	113.57
2014	95.72	98.95	91.77	97.97	86.46	98.73	103.16	104.66
2015	51.35	51.14	51.54	54.90	43.62	53.21	54.66	55.34
2016	40.57	39.17	44.44	43.78	35.82	41.30	44.35	45.01
2017	49.33	51.69	54.85	54.96	47.02	52.19	56.77	55.82
2018	65.28	69.83	71.59	73.16	62.87	..	73.60	74.42
2019	62.30	65.35	65.73	64.91	57.97	..	68.00	68.11
2Q2019	67.17	70.03	70.09	69.98	61.51	..	73.10	72.82
3Q2019	61.29	63.48	63.61	61.77	57.31	..	66.51	65.69
4Q2019	59.85	64.75	65.27	63.92	54.53	..	67.89	67.12
1Q2020	51.95	57.80	68.05	66.68	50.52	..	61.29	61.39
2Q2020	24.31	27.09	33.87	34.96	25.83	..	32.54	31.59
Apr 2019	68.05	70.43	71.56	71.54	60.63	..	73.55	74.06
May 2019	70.91	72.61	71.60	71.99	63.16	..	74.95	74.64
Jun 2019	65.02	66.50	66.91	66.47	61.19	..	70.29	70.32
Jul 2019	63.40	65.02	65.76	64.14	60.56	..	69.22	68.81
Aug 2019	59.34	63.09	61.90	59.86	54.86	..	65.52	64.95
Sep 2019	60.44	62.63	62.68	62.47	56.65	..	65.32	65.14
Oct 2019	58.33	63.26	62.07	61.87	56.91	..	65.84	64.27
Nov 2019	58.59	64.38	64.72	64.90	52.15	..	67.94	67.40
Dec 2019	63.18	66.34	68.18	66.45	54.79	..	70.37	70.57
Jan 2020	63.87	67.92	69.16	68.52	57.86	..	71.31	70.51
Feb 2020	55.10	61.74	64.68	64.50	52.74	..	63.29	63.68
Mar 2020	39.78	44.59	65.50	28.88	39.96	..	43.96	47.30
Apr 2020	17.22	26.61	21.66	33.94	23.39	..	27.16	25.65
May 2020	18.80	23.06	31.11	38.80	24.78	..	31.49	29.01
Jun 2020	35.98	32.07	41.95	..	29.61	..	38.91	38.27

1. Prior to January 1994, Libya Medium refers to average Libya; Nigeria Light refers to Nigeria.

Table 2 (cont.) - IEA crude oil import costs by type of crude in USD/bbl
(average unit value, CIF)

	Norway Ekofisk	Norway Gulfaks	Norway Oseberg	Norway Statfjord	Oman	Saudi Arabia Heavy	Saudi Arabia Medium	Saudi Arabia Light
1985	27.41	28.30	28.53
1986	13.13	13.29	14.51
1987	17.20	17.58	18.05
1988	14.26	14.03	14.98
1989	16.83	15.91	16.53	17.43
1990	22.41	22.86	21.78	22.96
1991	19.78	15.99	17.23	19.09
1992	19.13	15.95	17.13	18.52
1993	17.10	14.11	15.13	16.28
1994	16.12	16.64	16.42	16.36	16.22	13.98	14.56	15.53
1995	17.62	17.73	17.80	17.57	17.67	16.16	16.53	17.13
1996	21.36	21.10	21.56	21.49	20.49	19.12	19.72	20.37
1997	19.71	20.12	20.20	20.01	20.53	16.77	17.81	18.67
1998	13.25	13.34	13.46	13.36	13.50	10.44	11.49	12.28
1999	17.65	18.03	18.26	18.10	17.21	15.74	16.74	16.96
2000	28.91	29.30	29.18	29.02	30.61	25.94	26.36	27.36
2001	24.35	25.40	25.10	24.94	24.64	21.91	21.42	23.54
2002	25.21	24.96	25.25	25.36	24.59	23.59	23.56	24.06
2003	29.82	30.14	29.88	29.85	28.99	26.20	27.23	27.96
2004	38.50	39.23	38.35	39.01	35.69	33.37	35.47	36.40
2005	55.08	54.52	55.88	55.04	51.22	46.36	48.39	51.26
2006	65.72	67.02	66.15	66.43	62.57	56.94	59.40	62.10
2007	72.73	75.37	74.53	73.81	68.78	64.09	67.79	70.10
2008	98.31	103.80	99.39	102.61	101.23	93.72	94.40	97.23
2009	62.50	62.47	62.82	61.65	63.08	56.21	60.31	61.50
2010	81.15	81.85	80.59	82.00	78.99	76.64	77.62	79.09
2011	114.55	115.23	112.71	114.89	106.15	104.94	106.71	108.85
2012	112.24	114.83	114.21	113.91	113.59	108.95	109.86	111.63
2013	111.79	112.50	111.34	110.39	109.18	103.94	105.01	107.61
2014	98.00	98.64	100.53	100.97	107.20	97.96	99.21	99.78
2015	53.52	55.79	54.97	53.75	55.37	50.69	51.34	52.46
2016	44.72	45.20	45.07	44.42	40.79	39.07	39.81	40.97
2017	55.85	55.93	54.74	54.81	52.78	50.86	52.47	53.23
2018	72.13	73.71	73.00	71.61	72.65	69.42	69.72	71.14
2019	65.28	65.51	66.68	65.45	67.06	63.82	65.27	65.78
2Q2019	70.63	69.76	71.09	72.76	70.51	69.10	68.96	70.24
3Q2019	63.33	63.37	64.64	63.82	65.30	62.43	63.25	64.09
4Q2019	65.63	65.36	66.51	64.72	63.99	62.43	63.59	64.50
1Q2020	56.62	54.34	53.28	59.05	70.24	55.80	55.89	55.28
2Q2020	35.33	28.08	33.45	27.06	..	25.34	26.48	26.12
Apr 2019	71.87	70.64	71.33	71.91	66.65	69.18	70.95	71.45
May 2019	72.39	72.13	72.42	75.29	72.34	70.09	71.23	71.61
Jun 2019	65.93	66.62	68.57	72.80	70.89	68.15	65.99	67.62
Jul 2019	65.94	65.97	66.06	..	66.25	63.23	64.75	65.45
Aug 2019	60.22	60.93	60.71	..	66.09	63.17	63.29	62.96
Sep 2019	64.66	63.81	64.60	63.82	63.34	60.71	62.12	63.96
Oct 2019	62.60	61.87	63.70	60.63	63.80	61.02	62.44	62.03
Nov 2019	64.36	65.11	65.48	65.72	63.64	61.24	62.88	64.00
Dec 2019	68.43	68.19	69.95	69.95	64.57	65.41	67.46	66.75
Jan 2020	67.90	68.13	67.06	69.83	70.24	66.72	66.54	66.84
Feb 2020	58.68	60.42	58.76	58.74	70.22	55.70	58.66	59.89
Mar 2020	41.10	35.06	38.02	47.40	..	45.71	42.60	40.74
Apr 2020	23.50	19.74	23.95	16.66	..	24.24	21.27	23.24
May 2020	30.77	25.65	27.30	31.38	..	19.67	27.32	25.09
Jun 2020	41.34	38.91	42.85	32.69	..	31.86	30.28	31.34

**Table 2 (cont.) - IEA crude oil import costs by type of crude in USD/bbl
(average unit value, CIF)**

	Saudi Arabia Extra Light	Syria Light	UK Brent Blend	UK Forties	Urals ¹	Venezuela Extra Heavy	Venezuela Medium	Venezuela Light
1985	26.87	..	27.79	30.74
1986	12.55	..	12.82	15.55
1987	17.86	..	16.17	18.16
1988	14.44	..	13.58	15.47
1989	17.39	..	17.02	18.16
1990	20.56	..	22.22	22.72
1991	19.40	..	17.62	19.36
1992	18.27	..	16.22	17.36
1993	15.46	..	14.01	14.89
1994	16.33	16.06	16.54	16.54	15.65	12.32	13.45	14.70
1995	17.75	17.40	17.86	17.40	17.12	14.13	15.13	15.58
1996	21.05	21.12	21.25	21.41	20.20	16.50	18.42	20.16
1997	20.29	19.26	20.90	20.04	18.59	14.53	16.96	18.61
1998	13.27	12.49	13.59	13.42	12.04	8.17	10.92	12.66
1999	17.87	17.73	18.09	18.66	16.74	13.16	15.29	17.33
2000	28.94	27.69	29.23	29.13	26.73	23.02	26.63	29.49
2001	24.91	24.30	26.12	25.83	23.27	17.58	21.00	23.86
2002	24.66	24.93	26.41	25.33	24.02	19.27	21.51	24.76
2003	29.04	29.44	30.57	30.55	27.59	22.28	25.94	28.77
2004	37.79	37.22	39.85	39.31	34.52	29.75	35.65	38.53
2005	53.23	53.04	55.19	54.93	50.36	41.02	49.82	54.09
2006	65.73	65.35	65.48	65.96	61.59	50.62	59.33	64.76
2007	73.09	72.81	74.36	72.46	68.71	57.54	67.59	74.65
2008	103.62	93.25	104.19	100.08	96.29	83.41	98.47	99.98
2009	62.03	59.11	61.39	62.35	61.09	57.22	54.62	54.99
2010	80.47	77.15	81.38	80.02	78.20	70.45	73.26	79.44
2011	110.83	111.76	112.40	112.34	109.70	99.65	100.25	109.22
2012	114.04	..	113.51	113.00	110.61	100.04	104.57	112.48
2013	110.71	94.14	111.40	110.30	107.68	97.34	102.03	111.34
2014	103.04	110.27	103.44	102.38	99.04	88.35	92.33	97.49
2015	54.37	39.64	52.33	54.63	50.28	43.47	47.89	53.82
2016	44.26	46.76	44.29	43.06	41.51	34.82	35.24	40.69
2017	54.69	45.88	55.16	55.37	52.69	45.38	48.22	53.64
2018	73.72	56.44	71.48	72.99	69.14	62.30	61.51	..
2019	66.93	63.22	65.16	65.68	63.48	50.82	51.34	..
2Q2019	71.72	63.22	70.15	70.46	68.14	57.31
3Q2019	65.80	..	62.71	67.09	61.20	50.07
4Q2019	66.33	..	64.74	66.91	61.89	47.03
1Q2020	65.39	..	51.79	61.82	48.87	42.24
2Q2020	30.49	..	34.63	35.25	28.56	19.48
Apr 2019	71.24	..	71.92	71.29	70.77	58.44
May 2019	73.02	63.22	72.41	71.47	70.91	57.29
Jun 2019	70.75	..	65.59	65.47	63.61	55.91
Jul 2019	66.79	..	65.97	66.60	62.80	56.31
Aug 2019	67.11	..	59.90	68.22	59.53	49.24
Sep 2019	63.70	..	63.20	63.47	61.15	48.24
Oct 2019	64.75	..	61.57	..	58.54	47.40
Nov 2019	65.13	..	64.87	62.70	62.52	45.53
Dec 2019	68.45	..	67.82	68.52	64.88	49.09
Jan 2020	71.84	..	66.94	66.86	61.27
Feb 2020	70.74	..	57.79	58.29	54.52	39.86
Mar 2020	55.89	..	40.49	52.63	32.40	43.63
Apr 2020	36.35	..	20.93	20.04	16.69	14.92
May 2020	25.34	..	33.34	25.07	28.01	5.12
Jun 2020	29.85	..	42.20	41.17	40.73	28.87

1. Prior to January 1994, Urals refers to FSU.

Table 3 - Oil product spot prices in USD/bbl¹

	Gasoline			Gasoil			Jet/Kero		
	NW Europe	USA	Singapore	NW Europe	USA	Singapore	NW Europe	USA	Singapore
1988	18.04
1989	21.92
1990	28.71	28.18	..	31.71	..	32.86
1991	27.22	24.38	..	27.21	..	28.02
1992	23.85	23.15	..	24.24	..	25.63
1993	22.35	21.23	..	22.69	..	24.33
1994	19.87	19.39	..	20.27	20.51	21.66
1995	22.23	20.50	19.88	..	21.11	20.29	22.75
1996	..	28.08	23.56	26.02	24.66	..	26.69	25.99	28.27
1997	..	26.24	24.33	23.47	22.60	..	23.67	23.53	24.74
1998	..	19.23	17.05	16.22	15.83	..	16.15	16.96	16.28
1999	..	23.63	21.05	20.28	19.65	..	21.19	20.91	21.47
2000	..	36.53	32.58	34.57	34.00	..	36.27	35.66	34.32
2001	..	32.95	27.38	29.33	28.98	..	29.06	30.32	28.26
2002	..	32.34	28.07	27.98	27.63	..	28.30	28.84	28.07
2003	..	38.87	34.62	34.11	33.78	..	34.25	34.62	32.93
2004	..	51.60	47.24	46.96	45.42	..	48.78	48.35	47.51
2005	..	71.01	62.52	67.88	68.14	70.57	70.04	71.86	68.14
2006	..	85.58	73.22	77.71	75.91	78.83	81.09	80.80	80.64
2007	..	93.06	82.74	85.17	84.34	86.98	88.69	89.50	86.90
2008	..	109.38	103.25	123.85	117.97	123.42	126.59	124.07	122.30
2009	70.35	73.42	70.37	69.38	68.05	70.44	71.02	69.93	70.26
2010	87.68	91.29	88.48	89.75	88.24	90.39	90.63	90.31	90.28
2011	116.90	123.86	119.81	125.02	122.41	126.25	127.42	125.92	125.70
2012	123.40	131.91	123.44	128.03	125.43	128.08	129.00	128.22	126.81
2013	117.18	127.42	118.98	123.40	120.40	123.24	124.12	122.67	122.87
2014	108.61	117.36	110.75	112.63	109.09	112.53	113.87	113.30	112.40
2015	67.30	77.29	69.09	65.48	60.84	64.47	65.32	63.86	64.69
2016	54.24	62.75	56.20	52.37	49.72	52.24	53.00	52.43	53.00
2017	65.80	73.82	67.96	64.68	61.62	65.65	65.92	65.40	65.28
2018	78.78	85.71	80.21	84.28	80.78	84.33	86.39	85.12	85.05
2019	71.35	79.24	72.55	77.73	74.11	77.23	79.24	78.81	77.26
1Q2018	73.76	81.90	77.62	78.10	74.34	78.73	81.10	79.33	80.02
2Q2018	84.88	93.60	84.22	86.59	82.34	86.70	89.09	87.64	87.34
3Q2018	86.45	91.86	85.72	87.87	85.43	88.53	89.21	89.51	88.72
4Q2018	69.87	74.91	73.19	84.55	80.79	83.29	86.16	83.75	84.07
1Q2019	64.09	72.72	67.20	77.46	73.68	76.13	78.31	78.34	76.35
2Q2019	79.58	87.04	75.06	80.14	75.76	79.92	81.19	80.80	79.77
3Q2019	72.78	81.48	72.76	76.53	73.18	76.61	79.03	78.19	77.00
4Q2019	69.21	75.52	75.03	76.91	73.79	76.32	78.51	77.90	76.00
1Q2020	53.77	60.05	56.85	61.41	56.91	61.38	60.06	58.25	58.89
2Q2020	30.56	39.80	33.23	36.43	30.62	36.58	29.76	32.58	30.73
3Q2020*	46.74	52.82	47.34	47.36	43.52	48.48	42.88	46.04	43.15
Jul 2019	76.12	88.02	73.61	77.11	74.42	78.10	80.42	80.49	78.43
Aug 2019	71.30	78.81	70.08	74.24	70.16	74.37	76.23	75.56	74.57
Sep 2019	70.61	77.56	74.40	78.19	75.21	77.11	80.30	78.67	77.75
Oct 2019	68.25	76.96	74.19	76.15	74.37	75.55	78.74	77.81	75.38
Nov 2019	70.17	75.62	76.11	76.04	71.94	75.22	77.67	76.38	74.89
Dec 2019	69.30	73.85	74.82	78.70	74.82	78.24	79.12	79.37	77.75
Jan 2020	68.14	72.87	71.13	74.59	70.22	76.03	75.92	74.03	75.34
Feb 2020	61.57	68.85	64.34	64.94	60.68	64.66	65.03	63.32	63.05
Mar 2020	32.32	40.21	36.42	45.02	40.96	44.42	39.68	38.81	39.39
Apr 2020	19.35	28.44	20.49	31.27	24.51	28.85	21.35	24.53	21.35
May 2020	29.59	40.66	33.44	33.19	27.53	34.04	26.88	31.07	28.94
Jun 2020	41.59	49.85	45.21	43.92	39.26	46.05	39.90	41.64	41.16
Jul 2020	45.95	51.99	46.56	47.76	43.81	49.82	43.50	45.65	43.92
Aug 2020	47.41	53.59	48.18	48.12	43.88	48.10	43.37	46.86	43.28
Sep 2020*	47.49	53.24	47.25	43.31	40.78	45.05	38.90	44.37	40.00

* Prices for September 2020 and 3Q2020 are based on prices and volumes through 8 September.

1. Starting with the 2nd quarter 2012 edition, prices in this table are based on Argus prices unless otherwise indicated.

Table 3 (cont.) - Oil product spot prices in USD/bbl¹

Naphtha			LSFO		HSFO		
NW Europe	USA	Singapore	NW Europe	Singapore	NW Europe	USA	Singapore
1988
1989
1990	24.97	..	23.53	18.34	..	14.61	14.71
1991	23.52	..	22.91	14.39	..	11.37	10.42
1992	20.85	..	20.45	14.64	..	11.87	11.45
1993	18.36	..	17.19	13.93	..	9.48	10.23
1994	17.25	..	16.35	14.27	..	12.27	11.81
1995	18.16	..	17.50	15.77	..	14.02	13.80
1996	21.60	..	20.26	17.87	..	15.26	15.63
1997	21.16	19.68	21.89	15.56	..	13.11	14.43
1998	14.46	14.62	14.81	11.04	..	8.89	9.69
1999	18.54	18.08	19.57	14.50	..	12.95	14.34
2000	29.35	30.37	28.37	23.51	..	19.48	20.71
2001	24.37	24.89	23.80	18.43	..	15.27	17.10
2002	24.50	24.68	24.96	21.31	..	18.79	20.58
2003	30.65	30.52	29.93	25.48	..	20.88	23.91
2004	42.32	42.20	40.64	25.42	..	21.28	24.76
2005	52.39	53.24	51.35	40.13	..	33.66	36.42
2006	63.05	61.59	62.35	46.79	..	42.82	45.61
2007	75.67	71.50	75.38	54.49	..	50.99	53.23
2008	88.90	87.17	89.90	79.14	..	70.11	72.59
2009	59.91	55.95	61.07	56.36	..	52.93	55.92
2010	80.11	78.12	79.41	72.28	80.83	67.99	69.70
2011	104.56	100.48	102.75	100.38	109.75	94.51	95.72
2012	105.37	98.05	103.73	105.12	115.43	97.65	99.32
2013	101.44	94.47	101.20	96.43	106.16	91.47	92.96
2014	93.95	87.61	94.43	86.96	98.55	81.04	82.82
2015	51.79	47.66	52.88	41.01	48.07	37.85	40.73
2016	42.90	41.29	42.81	34.24	39.64	30.62	32.12
2017	54.19	51.03	53.99	48.72	52.48	45.63	46.03
2018	64.48	64.07	67.50	63.23	67.44	61.13	60.20
2019	..	53.35	57.15	62.22	64.61	50.31	52.57
1Q2018	64.21	63.04	63.69	56.69	59.12	54.47	53.93
2Q2018	66.43	67.14	70.90	64.21	68.02	62.24	61.15
3Q2018	..	68.98	73.08	67.43	72.32	65.85	64.53
4Q2018	..	56.80	62.23	64.54	70.22	61.92	61.00
1Q2019	..	52.37	56.16	60.18	66.11	57.19	60.09
2Q2019	..	56.15	58.68	64.33	71.34	60.06	60.32
3Q2019	..	50.12	53.64	61.60	66.74	51.20	50.83
4Q2019	..	54.74	60.13	62.83	54.62	33.35	39.32
1Q2020	..	41.01	47.72	52.84	60.33	33.39	35.91
2Q2020	..	23.61	28.05	30.10	36.44	24.05	24.70
3Q2020*	..	38.25	43.44	41.82	46.87	38.84	38.36
Jul 2019	..	51.29	55.68	64.31	76.47	57.91	58.27
Aug 2019	..	47.78	50.70	56.98	59.11	44.75	45.04
Sep 2019	..	51.48	54.21	63.24	63.35	50.31	49.01
Oct 2019	..	52.43	57.14	60.94	52.85	36.40	42.32
Nov 2019	..	55.31	59.76	60.71	52.50	30.22	35.94
Dec 2019	..	56.75	63.62	67.23	58.60	33.14	39.09
Jan 2020	..	52.81	61.06	70.22	69.52	39.57	41.70
Feb 2020	..	47.14	52.56	56.86	65.52	39.38	43.49
Mar 2020	..	24.46	30.60	31.80	46.83	21.76	23.84
Apr 2020	..	13.82	17.86	24.01	31.51	15.97	17.02
May 2020	..	23.79	26.49	27.74	34.29	21.56	23.88
Jun 2020	..	32.79	39.06	37.67	42.90	33.55	32.77
Jul 2020	..	38.09	43.60	40.99	46.87	37.06	37.06
Aug 2020	..	38.38	43.08	43.09	..	40.87	40.08
Sep 2020*	..	38.44	44.10	40.79	..	38.89	36.79

* Prices for September 2020 and 3Q2020 are based on prices and volumes through 8 September.

1. Starting with the 2nd quarter 2012 edition, prices in this table are based on Argus prices unless otherwise indicated.

Table 4 - Crude oil spot prices in USD/bbl¹
(average unit value, FOB)

North Sea	WTI	WTS	Light Louisiana	Arab Light	Dubai	Iran Light	Iran Heavy	Urals	Minas	Tapis
1982	31.71
1983	30.05
1984	28.06
1985	27.52
1986
1987
1988	13.45
1989	16.19
1990	23.73	20.88	21.30	22.68	23.52	..
1991	20.08	17.47	17.42	19.08	19.50	..
1992	19.32	17.89	17.08	18.11	19.32	..
1993	17.03	15.68	..	15.40	14.51	15.43	17.84	..
1994	15.84	15.39	..	15.16	14.77	15.26	16.30	..
1995	17.00	16.81	..	16.35	15.94	16.58	17.57	..
1996	20.63	19.84	..	19.85	19.28	20.04	20.53	..
1997	19.15	18.85	..	17.97	17.44	18.38	19.05	..
1998	12.78	12.26	..	11.45	10.96	11.87	12.41	..
1999	17.91	17.43	..	16.74	16.33	17.24	15.84	..
2000	28.60	26.77	..	26.17	25.65	26.75	28.85	..
2001	24.44	23.11	..	21.73	21.08	22.94	24.20	..
2002	25.00	22.59	21.80	23.69	25.41	..
2003	28.84	27.16	26.95	26.43	27.26	29.37	..
2004	38.30	33.72	34.70	32.91	34.67	36.99	..
2005	54.61	60.98	54.72	59.78	49.61	49.89	47.41	50.68	54.28	..
2006	65.14	66.10	60.96	67.54	61.58	59.39	57.48	60.96	65.03	..
2007	72.35	72.23	67.21	75.32	68.35	67.03	65.40	69.40	72.55	..
2008	97.10	99.67	95.93	102.45	94.20	93.46	91.07	94.07	99.62	..
2009	61.70	61.93	60.40	64.54	61.86	61.26	60.60	61.00	64.71	..
2010	79.51	79.48	77.32	82.83	78.13	77.88	76.85	78.17	82.22	..
2011	111.21	95.04	92.99	112.38	106.33	109.08	107.11	109.61	114.41	119.30
2012	111.68	94.12	88.71	111.69	109.02	109.81	108.19	110.85	116.26	117.00
2013	108.68	98.03	95.41	107.39	105.44	107.40	105.63	108.39	110.08	115.10
2014	98.94	93.28	87.33	96.90	96.52	96.87	95.02	97.97	100.30	102.83
2015	52.37	48.71	48.97	52.35	50.84	51.12	49.72	51.50	52.52	54.50
2016	43.72	43.33	42.49	45.02	41.46	41.66	40.02	42.11	41.20	45.77
2017	54.16	50.78	49.81	54.01	53.15	52.36	50.44	53.26	49.07	56.37
2018	71.27	65.20	57.43	70.19	69.65	69.10	66.60	70.17	65.41	73.69
2019	64.12	57.03	56.28	62.69	63.49	62.74	59.94	64.31	60.27	69.16
3Q2019	61.84	56.40	55.92	60.58	61.23	60.27	57.47	61.84	59.89	66.63
4Q2019	63.06	56.88	57.21	60.68	62.00	61.83	59.03	63.40	60.08	70.08
1Q2020	50.02	45.57	44.99	47.63	50.41	47.41	44.61	48.98	48.99	56.06
2Q2020	29.57	27.95	28.01	30.44	31.17	28.72	25.92	30.29	31.08	28.66
3Q2020*	43.66	41.43	41.58	43.06	43.50	42.72	39.92	44.29	41.85	45.24
Jul 2019	63.91	57.53	56.41	62.74	63.21	62.16	59.36	63.73	61.56	68.28
Aug 2019	58.84	54.84	54.76	58.60	59.09	58.39	55.59	59.96	57.67	63.64
Sep 2019	62.57	56.95	56.67	60.49	61.11	60.08	57.28	61.65	60.18	67.68
Oct 2019	59.73	53.98	54.06	57.07	59.36	57.71	54.91	59.28	57.28	66.01
Nov 2019	63.11	57.16	58.01	61.84	61.92	62.87	60.07	64.44	60.30	70.21
Dec 2019	66.83	59.81	59.94	63.58	64.86	65.49	62.69	67.06	62.78	74.22
Jan 2020	63.38	57.52	57.63	61.41	64.19	61.30	58.50	62.87	62.19	71.42
Feb 2020	55.45	50.53	51.37	53.88	54.25	53.54	50.74	55.11	53.39	62.67
Mar 2020	31.72	29.89	27.43	29.08	33.78	27.94	25.14	29.51	32.40	35.38
Apr 2020	18.57	16.53	15.19	19.88	21.34	14.93	12.13	16.50	24.24	17.91
May 2020	29.00	28.57	30.58	31.57	30.98	29.27	26.47	30.84	30.09	26.40
Jun 2020	40.08	38.30	37.90	39.49	40.71	40.79	37.99	42.36	38.42	40.78
Jul 2020	43.27	40.76	40.92	42.36	43.18	42.71	39.91	44.28	41.00	45.62
Aug 2020	44.78	42.37	42.50	44.08	43.90	43.44	40.64	45.01	42.79	46.30
Sep 2020*	41.47	40.43	40.58	41.86	43.25	40.35	37.55	41.92	41.70	40.42

* Prices for September 2020 and 3Q2020 are based on prices and volumes through 8 September.

1. Starting with the 2nd quarter 2012 edition, prices in this table are based on Argus prices unless otherwise indicated.

PART II

ENERGY END-USE PRICES IN OECD COUNTRIES

GENERAL NOTE ON DEFINITIONS, METHODS AND SOURCES

Energy represents a major expenditure for individual consumers, companies and the economy at large. Energy prices provide an indication of the economic significance of the different commercial transactions associated with energy use.

Energy commodity prices are notoriously volatile in the spot market, and this volatility is significantly reflected in the prices paid by consumers. End-use prices also vary greatly across countries due to differences in sources of supply and in taxation policy.

Given the importance of energy in our daily lives, governments can intervene in the price formation process through several mechanisms, including subsidies, fixed tariffs and differential taxation.

Governments can pursue several objectives when designing their taxation policy for energy products. Taxes on energy are a major source of revenue for several OECD countries. Energy consumption is relatively price-inelastic in the short-term, making energy products an interesting target for taxation, as the resulting tax revenue is stable and predictable.

However, energy taxation often pursues objectives that go beyond revenue-raising. Taxes can be designed to internalise the social cost and compensate for negative externalities associated with energy use, such as the public health impact of local air pollution resulting from combustion processes. Moreover, taxes on energy products can be used by governments to send price signals aimed at changing consumption patterns, in both composition and volume, making them a powerful tool for increasing sustainability in energy production and consumption.

Given their relevance, volatility and country-specificity, accurate data on energy prices, including taxes, at a national level are an essential tool for policy makers, researchers, market analysts and, more broadly, all economic actors.

Energy end-use prices: key concepts

Representativeness is a key challenge that has to be addressed in order to ensure the quality of data presented in this publication.

End-use prices are defined as the average unit price effectively paid by a consumer category over a period of time.

End-use prices are therefore equal to the ratio of the total amount of money spent on purchasing a given product and the total sales volume of the same product over a period of time:

$$\text{Average end use price} = \frac{\text{Total sales revenue}}{\text{Total volume sold}}$$

End-use prices vary in time, across countries and across consumer categories. For example, industrial consumers tend to consume large amounts of energy products, resulting in lower unit prices through economies of scale.

When relevant, end-use prices include all the various forms of taxation that affect the final amount spent by end-users.

Taxes levied on energy consumption can differ in the way they are calculated. The two most distinct categories are *per unit* taxes, calculated as a fixed rate per volume or unit purchased, and *ad valorem* taxes, calculated as a percentage of the value of a good.

The Value Added Tax (VAT) and equivalent taxes are the most common *ad valorem* taxes levied on energy products. Usually, VAT is levied on all consumable goods at the same rate. However, governments can set differential VAT rates on certain energy products to encourage or discourage their consumption. Although the VAT is levied on all transactions at different stages of a finished product's manufacturing process, it is effectively charged on final consumption only, as most intermediate consumers are refunded for their VAT expenditures.

It is worth noting that the Sales tax in place in most of the United States is similar, but not fully equivalent, to the VAT. Sales tax is levied on the total price of a finished product at the retail level, whereas VAT is levied and refunded on every step of the manufacturing process, effectively taxing added value only.

In many countries, subnational administrations can impose additional taxes to those levied at a national level, creating variations in taxation levels and, ultimately, to end-use prices within a country. This poses a challenge for the calculation of national average prices and taxes, as detailed information on consumption and prices for each administrative unit is required in order to compute a representative average.

The IEA energy prices methodology

General definitions of prices

End-use prices presented in this publication reflect, as accurately as possible, the unit price effectively paid by consumers over a period of time in a given country.

In addition to the total end-use prices, this publication presents data on energy taxation at two levels of disaggregation. At a first level, end-use prices are disaggregated into ex-tax prices and total tax:

$$[\text{End use price}] = [\text{Ex tax price}] + [\text{Total tax}]$$

The **ex-tax price** is defined as the price component corresponding to all non-tax expenses, including manufacturing costs, distribution and network charges as well as the profit margins for the companies involved in the manufacturing chain.

The **total tax** is defined as the total tax expenditure per sales unit effectively paid by consumers, including national and subnational level taxes, and taking into consideration tax exemptions and returns.

The total tax component is further disaggregated into excise taxes and VAT (or equivalent):

$$[\text{Total tax}] = [\text{Excise tax}] + [\text{VAT}]$$

In this publication, **excise taxes** are defined as all non-VAT or VAT-equivalent components levied on energy consumption. The vast majority of these taxes are calculated on a *per unit* basis. In practice, excise tax rates shown in this publication are the sum of a variety of taxes serving different purposes levied on an energy product. For a list of taxes included in the excise tax figures in this publication, please refer to the country-specific notes presented in Part II.B. The **VAT**, on the other hand, is made up of a single tax charge calculated on an *ad valorem* basis, corresponding or equivalent to the Value Added Tax system in place in most OECD countries.

VAT rates applicable to each product are used to calculate the VAT amount payable in each purchase. In general, the basis used for calculating the VAT amount includes both the ex-tax price and all non-VAT taxes:

$$[\text{VAT}] = \text{VAT} (\%) \times ([\text{Ex tax price}] + [\text{Excise tax}])$$

General definitions of products

Precise definitions for energy products vary across countries but are relatively uniform for oil products, as these products have to comply with a set of quality specifications. For country-specific information, please refer to the country notes in Part II.B.

Oil products

Heavy fuel oil comprises all residual fuel oil, including those obtained by blending. Its kinematic viscosity is above 10 cSt at 80°C. The flash point is always above 50°C and the density is always more than 0.90 kg/l.

In this publication, an additional distinction is made between **low sulphur fuel oil**, with sulphur content below 1%, and **heavy sulphur fuel oil**, with sulphur content equal to or higher than 1%.

Light fuel oil comprises light distillate fuel oils and is mainly used for heating purposes.

Automotive diesel comprises distillate fuel oils used for diesel compression ignition engines for motor vehicles. Automotive diesel may include additives.

Gasoline comprises all light hydrocarbons used in internal combustion engines (spark ignition engines) for motor vehicles, excluding aircrafts. Gasoline may include additives, oxygenates and octane enhancers including lead compounds. Given the relevance of gasoline and the price differences between gasoline grades in a country, an additional distinction is in this publication made between **regular** and **premium** gasoline, characterized mainly by their octane numbers, which can vary across countries. For country-specific gasoline specifications, please refer to the country notes in Part II.B.

Automotive LPG is a light saturated paraffinic hydrocarbon derived from refinery processes, crude oil stabilisation and natural gas processing plants. It consists mainly of propane and butane. LPG is normally liquefied under pressure for transportation and storage. Prices shown in this publication refer to LPG used as engine fuel only.

Natural gas

The prices for **natural gas** refer to MWh and are calculated by the data sources on a gross calorific value basis. Prices on a net calorific value basis would be approximately 11 per cent higher. Prices per volume unit can be calculated using the gross calorific values presented in the Conversion factors section in this document.

Coal

Coking coal refers to a coal with quality that allows the production of coke suitable to support a blast furnace charge. Its gross calorific value is greater than 23.8 MJ/tonne (5700 kcal/kg) on an ash free but moist basis.

Given the great variety of coal qualities in domestic and international coal trade, a selection of a standard coal quality for international comparisons of end-use prices is not possible. Therefore, in this publication, **steam coal** prices refer to the most common qualities for each country

and are not necessarily comparable between countries. This is especially true for prices shown under the heading “Steam Coal for Households”, where prices shown may refer to bituminous steam coal, anthracite, lignite or even coke.

In Austria, the United Kingdom and the United States, coal prices are available as average unit values (average expenditure per metric ton of coal by industry, power plants and households). These average unit values are the weighted average of all qualities and delivery sizes for which transactions have taken place. They are particularly useful for price comparisons between the four major energy sources when converted to a common heat unit and for price comparisons between countries on the basis of a single monetary unit.

General definitions of consumer categories

End-use prices and effective taxation rates for energy products vary significantly between retail and wholesale consumers. In order to reflect this difference of prices, a distinction is made in this publication between different consumer groupings, also depending on the types of energy commodity.

For **road fuels**, commercial use refers to purchases by companies while non-commercial use refers to purchases made by individual consumers. In most countries, commercial purchases are considered to be intermediate consumption and are therefore VAT-exempt. In some cases, economies of scale can also lead to reduced ex-tax prices.

For **other oil products** and **coal**, industry refers to large consumers in the industrial or manufacturing sectors purchasing these fuels in the wholesale market, often benefiting from economies of scale and VAT exemptions. The household category, in this case, groups all individual consumers purchasing these products in the retail market for space heating, cooking, or other domestic applications.

For **natural gas** and **electricity**, in general, large consumers included in the highest consumption bands correspond to the industry category, whereas households correspond to the lowest end of the consumption band spectrum.

For **natural gas, steam coal and heavy fuel oil**, electricity generation refers to the prices paid by power generation companies to purchase fuels for electricity production for sale.

Sources and collection methodology

Quarterly and annual energy prices and taxes data are collected each quarter by the IEA from relevant official agencies in each country, or from trusted secondary sources.

National sources include, but are not limited to, national energy ministries, central banks, ministries of economy,

industry and finance, national competition authorities and national statistics agencies. Secondary sources include Eurostat and the European Commission for European countries, as well as country-specific sources detailed in the country notes in Part II.B.

At the national level, each agency collects primary energy prices and tax data according to its own methodology. These methodologies include, but are not limited to, pump surveys and company surveys.

Pump surveys are one of the most widely used methodologies for estimating average road fuel prices and is based on a survey of a limited amount of petrol stations spread throughout a country, constituting a representative sample for the territory covered. For each petrol station surveyed, posted end-use prices are collected and then used to compute an average value. Depending on the availability of consumption data, prices can be calculated a simple arithmetical average or a consumption-weighted average of the surveyed prices. Pump surveys provide a good estimation of the average end-use prices, but do not provide information regarding the average ex-tax price. When pump surveys are used, ex-tax prices are calculated by the relevant sources by subtracting the different tax components as listed in the official tax schedules. This is a source of minor errors, as the effective tax burden is often different than the legally defined values that do not consider tax rebates, exemptions and refunds.

Company surveys can often produce more representative figures than pump surveys, as there is normally a limited amount of companies commercialising fuels in a given country and information can usually be collected from all of them. In these surveys, companies report their sales volume and their revenues from fuel sales. The average prices obtained, by simply dividing total revenue from all companies by the total volume sold, manage to take into consideration regional variations as well as rebates affecting end-use prices that are not factored into the posted fuel price at a petrol station. Often, companies supply both ex-tax and total revenues, allowing the relevant data sources to obtain representative average end-use and ex-tax prices. By simply subtracting these values, the effective unit taxes paid by consumers can be calculated.

Natural gas and electricity prices are often collected through utility company surveys. Fuel prices for the electricity generation sector are often obtained by conducting a survey of all power generation companies.

Natural gas and electricity pose a specific challenge, as their end-use prices are often regulated through multiple tariffs which include fixed and variable components, as well as distinctions in pricing for different consumption categories (consumption bands). Most countries are able to supply average end-use prices through utility surveys. However, in some countries, average unit values do not

exist and therefore selected tariff rates have been used. The weighted average of the tariffs approximates an average value per MWh.

In several countries, industrial consumers can purchase natural gas and electricity through private contracts instead of via the regulated market, with variable and often confidential pricing arrangements. This makes the calculation of average end-use prices for industrial consumers particularly challenging.

For country-specific exceptions and additional methodological information, please refer to the detailed country notes following each set of country tables in Part II.B. These notes may also refer to earlier periods than those shown in this publication, as corresponding data can be consulted in the online data service.

Energy prices and taxes layout

Part II. A: Energy end-use price indices

The indices published in this section have been derived from the nominal end-use prices (including taxes) shown in Part II.B of this publication. The methodology for calculating the real and nominal indices of energy end-use prices is as follows:

For products where more than one price is available, a representative series is created for each country. The representative heavy fuel oil price is a combination of high sulphur fuel oil and low sulphur fuel oil. The representative motor gasoline price is a combination of the most consumed unleaded gasoline for recent time periods and leaded gasoline for earlier time periods.

For oil, the industry index includes representative heavy fuel oil, light fuel oil and automotive diesel but not fuels used for electricity generation. The household index includes representative gasoline and light fuel oil.

For coal, the industry index includes representative steam coal and coking coal. The household index can also include steam coal.

Indices with the base year 2015=100 were computed for each price series from prices in national currencies and then aggregated over product groups, sectors and countries. The Paasche formula is used for index computation. The weights used are the physical quantities consumed, as published in the *OECD/IEA World Energy Statistics*. To calculate the real price index, the nominal prices are deflated with country-specific producer price indices (2015=100) for the industry sector and with country-specific consumer price indices (2015=100) for the household sector. The regional aggregates were calculated as

the weighted averages of country specific indices, using consumption quantities as the weights.

Missing data for prices in national currencies in Part II.B tables were estimated for the index calculations. Certain series with data missing for approximately 10 years or more have been omitted.

The **consumer price index (CPI)**, the **producer price index (PPI)** and the **consumer price index for energy (CPI energy)** shown in this section were taken from the *OECD Main Economic Indicators*.

In 2Q2009 the OECD revised their methodology for the PPI, with the aim of improving the quality and comparability of PPIs.

For Australia, Belgium, Denmark, Hungary, Ireland, Luxembourg, the Netherlands, New Zealand, Norway, Poland, Sweden and Switzerland, the series refer to the countries' total market.

For Austria, Canada, the Czech Republic, the European Union, France, Germany, Greece, Iceland, Italy, Japan, Korea, Mexico, Poland, Portugal, the Slovak Republic, Spain, Turkey, the United Kingdom and the United States, the series now refer to the countries' domestic markets. This series is also used for the OECD total.

Where new series begin more recently than series previously used, the historical data has been estimated using the growth rates of the old series. The estimated data (from 1978 onwards) are as follows: Austria until 1999; Belgium until 2000; the Czech Republic until 1989; Denmark until 1984; Finland, France, Japan and Poland until 1994; Greece until 1980; Hungary until 1997; Italy until 1990; Luxembourg until 1979; Mexico and the Slovak Republic until 1993; the Netherlands and Portugal until 1989; Switzerland until 2002; Sweden and Turkey until 1981; the United Kingdom until 1995.

Part II. B: Energy end-use prices, taxes and price indices in national currencies

The data shown in this section are supplied directly by national sources or collected from trusted secondary sources, as described in the country-specific notes.

The prices and taxes data in this section are presented by country and product in national currency per sales unit.

All prices, taxes and indices for the most recent quarter are preliminary (e.g. the third quarter in the third quarter edition). Also, in the case of the fourth quarter edition, the most recent year is preliminary (e.g. year 2015 for the 4th Quarter 2015 edition). These prices, taxes and indices are revised and updated in the subsequent edition.

Wholesale and retail price indices

The producer price indices (PPI) and the consumer price indices (CPI) compiled by national statistical services often contain sub-indices for energy products. Where possible the sub-indices for oil products, electricity, natural gas and coal are shown in Table 4, Part II.B. Wholesale indices refer to industry (PPI) and retail indices refer to households (CPI). Growth rates of wholesale and retail price indices are usually close but not identical to those of similar indices which could be constructed from the absolute prices. Any differences in growth rates are due to differences in price surveys and weighting schemes used for the construction of the wholesale and retail price indices from indices of nominal energy end-use prices.

In the context of this publication, energy sub-indices of PPI and CPI are important instruments for cross-checking growth rates of absolute prices and for estimating the absolute prices, notably for electricity and natural gas prices for periods with missing price data. Wholesale and retail indices are presented in the base year of the original source.

Conversion to euros

Prices and taxes data prior to the date of entry into the Economic and Monetary Union (EMU) have been converted from the former national currency using the appropriate irrevocable conversion rate. The irrevocable conversion rate at 1 January 1999 was used for all countries, except Greece (fixed rate as of 1 January 2001), Slovenia (fixed rate as of 1 January 2007), the Slovak Republic (fixed rate as of 1 January 2009) and Estonia (fixed rate as of 1 January 2011).

Country	Rate	Country	Rate
Austria	13.7603	Lithuania	3.45280
Belgium	40.3399	Latvia	0.702804
Estonia	15.6466	Luxembourg	40.3399
Finland	5.94573	Netherlands	2.20371
France	6.55957	Portugal	200.482
Germany	1.95583	Slovak Republic	30.126
Greece	340.750	Slovenia	239.64
Ireland	0.787564	Spain	166.386
Italy	1 936.27		

This methodology facilitates comparisons within a country over time and ensures that the historical evolution (i.e. growth rate) is preserved. However, pre-EMU euros are a notional unit and are not normally suitable to form area aggregates or to carry out cross-country comparisons.

The national currency prices have been converted to euros and rounded using IEA Secretariat rounding conventions depending on the product and flow (see below).

The total prices have not, however, been recalculated and therefore small rounding errors may result.

Product	Decimals	Product	Decimals
HFSO	2	Natural gas	2
LSFO	2	Steam coal	2
LFO	2	Coking coal	2
Diesel	3	Electricity	4
Gasoline	3		

For time periods prior to a country's adoption of the euro, the prices in USD (Parts II.D, II.E and II.F) have been obtained by applying notional euro to USD exchange rates. These notional rates were calculated by applying the irrevocable fixed euro rates to the former national currency exchange rates. Regional totals for all time periods have been calculated after all series were converted to USD.

To facilitate calculations from data in national currencies, the exchange rates shown for pre-EMU periods also incorporate the notional exchange rates.

Part II. C: Taxation in energy prices

This section focuses on energy taxation, its relative weight on energy end-use prices and evolution over time.

Tables 1 to 17 show percentages of taxes in prices per energy product and consumer sector in OECD countries.

Tables 18 to 22 show indices of real tax components per energy product and consumer sector in OECD countries. These indices are based on the total tax component shown in Part II.B deflated using the relevant sectoral price index. The reference year for these indices is 2015 (2015=100).

Part II. D: Energy end-use prices in USD/unit

In general, country differentials between national end-use prices expressed in USD are heavily influenced by exchange rate differentials. However, world market prices of primary fuels in USD are an important parameter for the pricing of final energy consumption, particularly for countries which rely heavily on energy imports. The difference between world market prices and national end-use prices in USD correspond to the remaining pricing parameters, i.e. transformation and distribution costs, non-internationally tradable energy sources (mainly hydro-power, but also natural gas), market structures (e.g. mix of large- and small- purchase lots), and the pricing policies of central or local authorities, which naturally include the national tax policies.

Part II.E: Energy end-use prices in USD/toe

This section refers to prices expressed in terms of the heat content of the fuel rather than price per (e.g. tonne, litre) physical unit. They have been calculated using the

country specific calorific value (heat content). The net calorific value of a fuel (NCV) is the calorific value gross (GCV), less the heat content of the water formed during the combustion of the fuel. For coal and oil the net calorific values are some 5 per cent lower than the gross values; for natural gas they are 10 per cent lower.

For commercial purposes, specific varieties of a given fuel are usually characterised by the gross calorific value (GCV). For inter-fuel analysis the use of a net calorific value (NCV) is more appropriate. Prices on natural gas used in different sectors in the following tables are based on the gross heat value. Prices of Part II Sections covering different fuels refer to a net heat value. The tables in the Conversion factors section at the end of this document show the conversion factors for each country that are used to convert the prices in Tables 1 to 3 (per original physical units) to the prices in Part II. E heat equivalent. For electricity and natural gas, however, this is not necessary. For all countries, a factor of 0.086 is used to convert electricity from MWh to 10^7 kcal, and a factor of 0.0774 is used to convert natural gas from MWh gross to 10^7 kcal net heat equivalents. Please note that 10^7 kcal equals to 1 toe (tonne of oil equivalent).

Detailed information on country-specific calorific values and densities used for conversions can be found in the Conversion factors section in this document.

Part II. F: Energy prices in USD (PPP)

The prices shown in Section F are the result of converting the national currency prices in Section B using average purchasing power parities (PPP) for GDP in national currency per USD from *OECD National Accounts of OECD countries*.

Due to wide fluctuations in exchange rates, there has been some concern regarding international price comparisons based on these exchange rates, which may not reflect the

relative purchasing power in each currency. In other words, a given amount of money, when converted into different currencies at the PPP rates, buys the same basket of goods and services in all countries compared. This includes consumer goods and services, government services, equipment goods and construction projects. Consumer items include food, beverages, tobacco, clothing, footwear, rents, water supply, gas, electricity, medical goods and services, furniture and furnishings, household appliances, personal transport equipment, fuel, transport services, recreational equipment, recreational and cultural services, telephone services, education services, goods and services for personal care and household operation, repair and maintenance services.

The prices shown in Sections D and E are the result of converting those of Section B to USD using quarterly and yearly averages of exchange rates as published by the *OECD Main Economic Indicators*. Missing historical series have been estimated according to *International Financial Statistics* from the International Monetary Fund.

The PPP are triennial benchmark results developed jointly by the Statistics Directorate of the OECD and the Statistical Office of the European Communities (Eurostat). For more information on methodology, see www.oecd.org/std/ppp.

Conversion factors

The following densities and calorific values are used to convert from prices and taxes tables in national currencies per unit to prices in national currency per tonne of oil equivalent, on a net calorific value basis. Where country-specific information is not available, an “s” has been used to denote standard calorific values from IEA energy balances methodology, and an “e” has been used to denote an IEA Secretariat estimate.

Heavy fuel oil*

	Density (t/kl)	Net calorific values	
		(kcal/kg)	(10 ⁷ kcal/kl)
Australia	0.950s	9 600s	0.9120
Austria	1.000	9 600s	0.9600
Belgium	0.930	9 750	0.9068
Canada	0.950	9 600s	0.9120
Chile	..	9 600s	..
Czech Republic	0.990	9 532	0.9437
Denmark	0.975	9 650	0.9409
Estonia	..	9 600s	..
Finland	..	9 600s	..
France	..	9 750	..
Germany	0.990	9 800	0.9702
Greece	..	9 600s	..
Hungary (industry)	..	9 500	..
Hungary (electricity generation)	..	9 700	..
Ireland	0.970	9 480	0.9196
Israel	..	9 600s	..
Italy	0.940-0.970	9 600	0.9024-0.9312
Japan	0.950	9 600s	0.9120
Korea	0.944	9 203	0.8688
Latvia	..	9 600s	..
Lithuania	..	9 600s	..
Luxembourg	0.950	9 650	0.9168
Mexico	0.982	10 139	0.9956
Netherlands	0.940	9 760	0.9174
New Zealand	0.945	10 129	0.9572
Norway	0.820-0.860	9 974	0.8179-0.8578
Poland	0.965	9 723	0.9383
Portugal	0.980	9 554	0.9363
Slovak Republic	0.990	9 699	0.9602
Slovenia	..	9 600s	..
Spain	..	9 400	..
Sweden	0.965	9 600s	0.9264
Switzerland	..	9 600s	..
Turkey	0.970	9 600	0.9312
United Kingdom	0.980	9 870	0.9673
United States	0.944	9 988	0.9429

* Fuel oil with sulphur content greater than 1%.

"s" denotes standard calorific values from IEA energy balances methodology.

"e" denotes IEA Secretariat estimate.

Light fuel oil

	Density (t/kl)	Net calorific values	
		(kcal/kg)	(10 ⁷ kcal/kl)
Austria	0.840	10 350s	0.8694
Belgium	0.840	10 250	0.8610
Canada	0.830	10 350s	0.8591
Czech Republic	0.860	10 263	0.8826
Denmark	0.859	10 175	0.8744
Finland	0.840	10 350s	0.8694
France	0.845	10 100	0.8535
Germany	0.870	10 200	0.8874
Greece	0.830	10 350s	0.8591
Ireland	0.838	10 170	0.8522
Italy	0.820-0.840	10 210	0.8474
Japan	0.800	10 350s	0.8280
Korea	0.870	8 117	0.7062
Luxembourg	0.840	10 250	0.8610
Mexico	0.852	10 849	0.9243
Netherlands	0.840	10 100	0.8484
New Zealand	0.824	10 366	0.8542
Norway (industry)	0.850	10 350s	0.8798
Norway (households)	0.830	10 350s	0.8591
Poland	0.845	9 791	0.8273
Slovak Republic	0.910	10 101	0.9192
Spain	0.855	10 350s	0.8849
Sweden	0.845	10 350s	0.8746
Switzerland	0.845	10 350s	0.8746
Turkey	0.800	10 450	0.8360
United Kingdom	0.847	10 260	0.8690
United States	0.830e	10 760	0.8931
All other countries	0.830e	10 350s	0.8591

"s" denotes standard calorific values from IEA energy balances methodology.

"e" denotes IEA Secretariat estimate.

Automotive diesel

	Density (t/kl)	Net calorific values	
		(kcal/kg)	(10 ⁷ kcal/kl)
Australia	0.820	10 350s	0.8487
Austria	0.840	10 350s	0.8694
Czech Republic	0.843	10 177	0.8579
Denmark	0.845	10 175	0.8598
France	0.845	10 350s	0.8746
Germany	0.820-0.845	10 350s	0.8622
Hungary	0.830	10 221	0.8483
Italy	0.820-0.840	10 350s	0.8591
Korea	0.840	10 090	0.8476
Mexico	0.852	10 849	0.9243
Netherlands	0.840	10 350s	0.8694
New Zealand	0.822	10 297	0.8464
Poland	0.845	10 203	0.8622
Portugal	0.837	10 350s	0.8663
Slovak Republic	0.835	10 474	0.8746
Slovenia	0.870	10 175	0.8852
Switzerland	0.835	10 350s	0.8642
Turkey	0.850	10 350s	0.8798
United Kingdom	0.845	10 350s	0.8746
United States	0.820	10 350s	0.8487
All other countries	0.860e	10 350s	0.8901

"s" denotes standard calorific values from IEA energy balances methodology.

"e" denotes IEA Secretariat estimate.

Gasoline*

	Density (t/kl)	Net calorific values	
		(kcal/kg)	(10 ⁷ kcal/kl)
Austria	0.750	10 700s	0.8025
Belgium	0.740	10 700s	0.7918
Chile	0.730	11 200	0.8176
Czech Republic	0.760	10 412	0.7913
France	0.755	10 700s	0.8079
Germany	0.735-0.785	10 700s	0.835
Hungary	0.735	10 700s	0.7865
Italy	0.720-0.760	10 700s	0.7918
Korea	0.740	9 681	0.7164
Mexico	0.729	10 700s	0.7800
Netherlands	0.745	10 700s	0.7972
New Zealand	0.739	10 296	0.7609
Poland	0.755	10 342	0.7808
Portugal	0.748	10 700s	0.8004
Slovak Republic	0.747	10 700s	0.8079
Slovenia	0.740	10 473	0.7750
Switzerland	0.744	10 700s	0.7961
Turkey	0.775	10 700s	0.8293
United Kingdom	0.738	10 700s	0.7897
All other countries	0.780e	10 700s	0.8346

*All values refer to premium unleaded 95 RON gasoline, except for Korea, Mexico and New Zealand (unleaded regular).

"s" denotes standard calorific values from IEA energy balances methodology.

"e" denotes IEA Secretariat estimate.

Coal

	Net calorific values 10 ⁷ kcal/tonne			
	Steam coal industry	Steam coal elec. generation	Steam coal households	Coking coal industry
Australia	0.6600	0.6600	..	0.6807e
Austria	0.6890e	0.6609e	0.6720e	0.6943e
Belgium	0.5550e	0.5338e	0.6158e	0.7000e
Canada	0.7127	0.6094e	..	0.7164
Chile	0.7000	0.7000	..	0.7000
Czech Republic ¹	0.3750	0.2550	0.3750	0.6500
Denmark	0.7000	0.5831e	0.7000	..
Estonia
Finland	0.6091e	0.6091e	..	0.6998e
France	0.6210	0.6210	0.8800	0.7285
Germany	0.7000	0.6914	0.5995e	0.6950
Greece ²	0.6120e	0.1252e
Hungary ³	0.4912	0.1994	0.4119	..
Iceland
Ireland	0.665e	0.6194	0.6650e	..
Israel	..	0.5200
Italy	0.6162	0.5900	0.6350e	0.6650
Japan	0.5571	0.5571	..	0.6928
Korea	0.6600	0.6600	0.6600	0.6600e
Latvia
Lithuania
Luxembourg	0.6998e	..
Mexico ⁴	..	0.4575
Netherlands ⁵	0.7000	0.7000	0.5989e	0.6800
New Zealand	0.6836	..	0.6836	..
Norway	0.6712e	..	0.6712e	0.6712e
Poland	0.5387	0.5126	0.6210	0.7060
Portugal ⁶	0.8562	0.6105e	..	0.7123
Slovak Republic ⁷	0.6110e	0.2567e	0.2938e	0.7018e
Slovenia
Spain	..	0.5500	..	0.7170e
Sweden	0.6415e	0.6664e	0.6544e	0.6454
Switzerland ⁸	0.6000	..	0.4801e	0.7200
Turkey ⁹	0.4250	0.2000	0.4250	0.6100
United Kingdom	0.6275	0.5653	0.5653e	..
United States	0.648e	0.6101e	..	0.7090

"s" denotes standard calorific values from IEA energy balances methodology.

"e" denotes IEA Secretariat estimate.

1. Czech Republic: brown coal.
2. Greece: brown coal for electricity generation.
3. Hungary: brown coal for household and electricity generation from 2007 onwards.
4. Mexico: sub-bituminous coal for electricity generation.
5. Netherlands: steam coal for industry and electricity generation refers to quality hard coal.
6. Portugal: steam coal for industry refers to anthracite.
7. Slovak Republic: brown coal for household and electricity generation from 2002 onwards.
8. Switzerland: steam coal for household refers to quality lignite.
9. Turkey: steam coal refers to quality lignite.

Natural gas

	Gross calorific values		
	kcal/m ³	kJ/m ³	kWh/ m ³
Australia	9 506	39 800	11.055
Austria	9 510	39 816	11.060
Belgium	8 400	35 169	9.769
Canada	8 892	37 229	10.341
Chile	9 341	39 109	10.864
Czech Republic	9 030	37 807	10.502
Denmark	10 509	43 999	12.222
Estonia
Finland	10 476	43 861	12.184
France	8 400	35 169	9.769
Germany	8 400	35 169	9.769
Greece	9 650	40 403	11.223
Hungary	8 500	35 588	9.886
Iceland
Ireland	9 444	39 540	10.983
Israel
Italy	9 100	38 100	10.583
Japan	11 000	46 055	12.793
Korea	10 400	43 543	12.095
Latvia
Lithuania
Luxembourg	8 700	36 425	10.118
Mexico	9 400	39 356	10.932
Netherlands	8 406	35 194	9.776
New Zealand	9 004	37 698	10.472
Norway	9 560s	40 026s	11.118s
Poland	9 436	39 500	10.974
Portugal	10 214	42 764	11.879
Slovak Republic	8 972	37 564	10.434
Slovenia
Spain	10 204	42 722	11.867
Sweden
Switzerland	9 560	40 026	11.118
Turkey	9 155	38 330	10.647
United Kingdom	8 400	35 169	9.769
United States	9 139	38 263	10.629

"s" denotes standard calorific values from IEA energy balances methodology.

"e" denotes IEA Secretariat estimate.

A. INDICES

Table 1
OECD - Energy end-use price indices: real

2015 = 100

	Total energy			Oil products			Coal			Natural gas			Electricity		
	I	H	B	I	H	B	I	H	B	I	H	B	I	H	B
1999	69.3	76.6	73.0	63.5	71.5	68.6	50.3	69.2	51.5	83.3	77.9	80.8	76.6	86.3	80.9
2000	79.0	85.3	82.2	76.3	85.7	82.2	49.8	68.2	50.7	111.0	87.4	100.5	78.1	83.9	80.6
2001	80.7	83.9	82.3	74.0	81.2	78.5	54.3	70.3	55.1	124.3	96.8	111.6	83.2	85.0	84.0
2002	77.5	80.1	78.9	72.4	77.1	75.3	56.3	72.1	57.2	106.3	85.8	96.6	81.6	84.3	82.8
2003	83.8	84.8	84.3	76.9	82.9	80.6	54.9	71.2	55.8	140.8	95.7	118.9	85.5	85.5	85.5
2004	87.7	90.1	88.9	83.5	91.8	88.6	64.8	72.3	65.2	147.4	99.3	124.2	84.1	85.3	84.7
2005	98.3	99.1	98.7	98.8	105.6	102.9	77.3	73.4	77.0	169.9	110.2	140.4	86.1	86.5	86.3
2006	102.7	105.7	104.2	104.8	114.1	110.3	78.9	76.4	78.7	164.3	117.5	141.6	89.8	90.5	90.1
2007	102.7	107.9	105.4	105.4	118.5	113.1	80.5	80.7	80.5	153.5	115.3	135.1	90.8	90.5	90.6
2008	116.2	115.5	115.8	123.6	130.7	127.8	115.4	90.2	113.7	181.1	120.5	151.3	93.4	92.4	92.9
2009	99.0	99.8	99.4	96.0	101.1	99.0	111.3	99.9	110.3	125.1	111.6	118.1	98.5	94.5	96.5
2010	104.0	105.8	104.9	107.9	115.0	112.1	107.5	99.1	106.8	119.0	103.2	111.2	96.0	94.6	95.3
2011	111.1	116.7	113.9	122.7	135.7	130.3	121.0	101.7	119.5	113.2	104.4	109.0	93.5	95.2	94.3
2012	113.2	118.2	115.7	127.2	138.1	133.5	114.4	103.3	113.5	100.8	104.1	102.3	94.8	95.9	95.4
2013	114.6	116.8	115.7	125.0	134.2	130.4	108.6	102.1	108.1	112.7	103.1	108.1	99.5	97.8	98.7
2014	114.3	115.1	114.7	122.0	128.9	126.0	103.5	100.4	103.3	121.8	106.2	114.6	100.7	99.3	100.0
2015	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2016	93.9	93.4	93.7	91.1	89.4	90.1	95.2	100.0	95.5	91.2	94.4	92.7	100.6	98.9	99.7
2017	98.1	98.0	98.0	98.4	97.8	98.0	114.8	103.6	114.0	95.6	95.2	95.4	99.0	99.3	99.2
2018	103.4	102.2	102.8	108.4	106.9	107.6	117.0	108.2	116.3	96.6	92.9	94.9	97.9	99.0	98.4
2019	102.7	100.1	101.4	106.4	102.1	103.9	112.5	105.4	112.0	92.4	94.0	93.1	101.0	99.7	100.3
2Q2015	101.6	104.6	103.1	104.0	107.2	105.9	100.3	99.0	100.2	96.9	106.6	101.4	98.7	100.3	99.5
3Q2015	98.8	106.0	102.4	98.4	104.5	101.9	98.4	99.5	98.5	95.4	129.2	110.9	100.5	100.6	100.6
4Q2015	95.9	95.5	95.7	94.4	91.7	92.8	97.7	100.2	97.9	92.5	98.3	95.2	99.3	99.7	99.5
1Q2016	90.9	88.7	89.8	85.5	82.1	83.6	94.0	100.6	94.5	92.4	87.6	90.3	100.3	98.2	99.3
2Q2016	92.9	95.3	94.1	90.7	91.9	91.4	92.6	99.4	93.1	84.4	98.9	90.9	99.6	99.2	99.4
3Q2016	95.0	98.1	96.6	92.3	91.1	91.6	89.9	99.4	90.6	91.0	125.3	106.5	102.1	99.8	101.0
4Q2016	96.6	94.6	95.6	95.7	92.5	93.8	104.3	99.9	103.9	95.9	93.9	95.0	99.8	98.0	98.9
1Q2017	98.7	96.2	97.5	98.9	96.5	97.5	118.2	99.9	116.9	101.7	89.0	96.1	98.6	98.2	98.4
2Q2017	97.1	98.4	97.7	96.2	96.8	96.6	121.1	99.3	119.6	95.8	102.9	99.0	99.0	99.4	99.2
3Q2017	97.4	101.9	99.6	96.3	97.3	96.9	109.4	102.6	108.9	93.1	126.6	108.0	101.1	100.9	101.0
4Q2017	99.3	98.8	99.0	101.8	100.3	101.0	110.4	106.9	110.2	93.3	92.4	92.9	97.7	98.6	98.1
1Q2018	101.5	98.8	100.2	104.6	102.4	103.4	116.4	109.3	115.9	100.3	86.3	94.0	97.6	98.0	97.8
2Q2018	102.3	104.2	103.3	108.3	109.8	109.2	116.8	106.7	116.1	91.3	98.0	94.3	96.1	98.8	97.4
3Q2018	103.7	108.6	106.2	109.7	110.5	110.2	116.0	107.3	115.4	90.1	127.7	107.0	98.9	100.3	99.6
4Q2018	105.5	100.9	103.2	111.0	104.7	107.4	118.5	108.1	117.8	103.0	91.7	97.9	98.7	99.0	98.9
1Q2019	103.6	95.9	99.8	105.5	96.1	100.1	117.3	108.1	116.6	103.7	87.2	96.3	102.2	98.7	100.5
2Q2019	102.8	103.9	103.3	107.8	107.4	107.6	115.4	104.8	114.6	90.3	101.2	95.2	99.4	100.2	99.8
3Q2019	101.6	105.1	103.3	105.6	103.1	104.2	110.3	104.3	109.8	83.4	128.9	103.9	101.8	100.6	101.2
4Q2019	102.4	99.2	100.8	106.9	101.6	103.9	106.4	104.4	106.2	89.6	91.2	90.3	100.9	98.8	99.9
1Q2020	100.3	96.1	98.2	103.3	96.0	99.1	102.7	102.5	102.7	87.7	89.0	88.3	100.4	98.8	99.6
2Q2020	91.2	89.5	90.4	89.2	80.6	84.3	100.6	101.3	100.6	77.1	97.8	86.4	99.3	99.2	99.3
3Q2020	90.6	87.1	88.6

I = Industrial index, including prices for automotive diesel oil for oil products.

H = Households index, including prices for gasoline for oil products.

B = Weighted average index of both industry and households.

Note: The "Real" price index is computed from prices in national currencies and divided by the country specific producer price index for the industrial sector and by the consumer price index for the household sector.
Please refer to General note on definitions, methods and sources at the beginning of Part II.

Table 2
OECD Europe - Energy end-use price indices: real

	Total energy			Oil products			Coal			Natural gas			Electricity			2015 = 100		
	I	H	B	I	H	B	I	H	B	I	H	B	I	H	B	I	H	B
1999	65.6	75.4	70.0	71.1	80.5	75.9	56.4	69.2	58.5	46.3	59.2	52.8	66.8	76.0	70.5			
2000	72.3	81.5	76.3	83.8	93.3	88.5	58.2	68.2	59.5	55.9	61.4	58.6	62.5	74.2	67.2			
2001	73.5	80.1	76.5	81.1	88.4	84.7	63.6	70.3	64.6	62.8	65.8	64.3	67.7	76.8	71.4			
2002	73.7	78.9	76.0	80.0	85.6	82.6	64.5	72.1	65.8	64.4	67.4	65.9	69.5	76.6	72.4			
2003	76.6	79.7	77.9	81.9	86.1	83.8	63.0	71.2	64.3	70.5	68.6	69.5	73.7	78.7	75.8			
2004	79.0	81.0	79.9	86.1	90.2	87.9	78.7	72.3	77.6	68.3	67.7	68.0	72.8	77.7	74.8			
2005	87.5	86.2	86.9	97.1	98.7	97.7	84.5	73.4	82.5	79.5	73.1	76.2	75.6	78.6	76.8			
2006	92.9	91.4	92.3	99.5	103.0	101.0	80.6	76.4	79.8	97.3	84.8	90.6	82.4	82.6	82.5			
2007	92.6	92.3	92.5	97.6	102.7	99.6	82.3	80.7	82.0	96.0	87.0	91.4	84.9	83.6	84.4			
2008	102.1	97.8	100.4	108.9	110.0	109.3	112.2	90.2	108.2	108.9	94.9	101.5	90.0	86.5	88.5			
2009	96.1	93.1	94.8	93.2	95.2	94.0	105.3	99.9	104.1	105.4	95.5	99.9	100.7	89.6	95.7			
2010	101.0	97.0	99.3	103.7	107.2	105.0	119.0	99.1	114.6	97.0	90.0	93.1	98.9	92.0	95.8			
2011	106.9	103.6	105.5	114.0	118.1	115.5	132.2	101.7	126.1	99.9	95.7	97.7	96.4	94.1	95.4			
2012	111.3	107.2	109.7	119.6	124.1	121.2	120.5	103.3	116.9	108.2	101.5	104.6	97.2	95.3	96.4			
2013	110.9	107.2	109.4	116.7	119.7	117.7	110.4	102.1	108.7	111.8	103.2	107.1	100.8	98.6	99.9			
2014	107.7	105.8	107.0	112.3	113.9	112.8	103.6	100.4	103.0	104.9	103.5	104.2	100.3	99.5	100.0			
2015	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
2016	94.9	96.2	95.4	94.3	93.2	93.9	100.1	100.0	100.0	87.1	93.8	90.7	99.3	100.2	99.7			
2017	96.3	97.2	96.6	99.3	98.4	99.0	122.4	103.6	118.6	80.9	90.0	85.6	94.8	100.1	97.1			
2018	100.7	100.0	100.4	106.3	104.6	105.8	126.6	108.2	122.9	86.5	90.6	88.6	95.4	102.2	98.3			
2019	102.1	100.8	101.6	105.6	102.4	104.6	123.2	105.4	119.6	86.0	93.8	90.0	102.1	104.5	103.1			
2Q2015	102.4	101.3	102.0	104.1	105.1	104.4	98.9	99.0	99.0	101.4	99.0	100.1	99.2	99.3	99.3			
3Q2015	98.8	101.6	99.9	99.2	101.6	100.0	98.3	99.5	98.5	96.2	104.0	100.2	98.2	99.8	98.9			
4Q2015	97.3	98.3	97.7	95.8	94.4	95.4	97.7	100.2	98.2	96.6	101.1	98.9	100.7	100.2	100.5			
1Q2016	92.6	94.7	93.4	89.1	88.5	88.9	97.2	100.6	97.9	91.2	94.2	92.8	100.7	100.4	100.6			
2Q2016	94.9	96.1	95.3	94.2	93.8	94.0	96.0	99.4	96.7	88.4	93.1	90.9	99.1	99.6	99.3			
3Q2016	94.8	97.2	95.8	95.1	93.5	94.6	94.4	99.4	95.4	84.4	97.0	91.1	98.5	100.5	99.3			
4Q2016	97.1	97.6	97.3	98.5	96.7	98.0	112.3	99.9	109.7	83.8	93.7	89.0	99.0	100.6	99.7			
1Q2017	98.2	97.5	97.9	101.7	100.9	101.5	126.5	99.9	121.2	81.8	88.5	85.3	95.7	99.6	97.3			
2Q2017	95.7	96.2	95.9	98.0	97.7	97.9	129.3	99.3	123.3	80.7	88.4	84.6	95.0	99.3	96.9			
3Q2017	94.5	97.9	95.8	96.7	96.2	96.6	117.1	102.6	114.2	80.5	94.8	87.9	94.3	101.0	97.2			
4Q2017	96.6	98.2	97.2	100.6	98.9	100.1	116.9	106.9	114.9	79.7	92.5	86.3	94.1	100.8	97.0			
1Q2018	98.1	97.7	98.0	102.3	100.5	101.8	129.9	109.3	125.8	84.4	87.7	86.1	94.8	101.4	97.6			
2Q2018	99.7	98.8	99.4	105.9	104.5	105.5	125.7	106.7	121.9	83.8	87.5	85.7	93.1	100.6	96.3			
3Q2018	101.1	102.5	101.7	107.3	107.1	107.3	123.4	107.3	120.2	86.7	96.1	91.5	95.3	102.9	98.5			
4Q2018	103.6	102.4	103.1	109.6	106.1	108.5	126.9	108.1	123.1	89.8	96.0	93.0	98.3	104.2	100.8			
1Q2019	102.6	98.9	101.2	105.0	99.4	103.3	127.9	108.1	123.9	90.5	91.0	90.7	104.2	104.0	104.1			
2Q2019	102.6	101.3	102.1	106.7	105.5	106.3	125.4	104.8	121.3	86.6	92.5	89.6	100.9	103.5	102.1			
3Q2019	100.8	102.5	101.5	104.9	103.1	104.4	122.1	104.3	118.5	82.3	99.7	91.2	100.0	104.9	102.1			
4Q2019	102.4	101.5	102.0	105.9	101.7	104.6	117.6	104.4	114.9	83.7	97.1	90.6	103.9	105.3	104.5			
1Q2020	100.3	99.6	100.1	103.3	98.9	102.0	116.1	102.5	113.4	82.8	96.9	90.0	101.0	102.7	101.7			
2Q2020	91.3	93.8	92.2	90.5	85.2	88.9	111.6	101.3	109.5	77.8	94.3	86.3	98.3	102.0	99.9			
3Q2020	93.0	88.6	91.6

I = Industrial index, including prices for automotive diesel oil for oil products.

H = Households index, including prices for gasoline for oil products.

B = Weighted average index of both industry and households.

Note: The "Real" price index is computed from prices in national currencies and divided by the country specific producer price index for the industrial sector and by the consumer price index for the household sector.

Please refer to General note on definitions, methods and sources at the beginning of Part II.

Table 3
USA - Energy end-use price indices: real

2015 = 100

	Total energy			Oil products			Coal			Natural gas			Electricity		
	I	H	B	I	H	B	I	H	B	I	H	B	I	H	B
1999	73.6	75.9	75.3	59.0	65.8	64.2	48.2	..	48.2	114.4	91.9	99.0	82.3	91.8	88.5
2000	91.3	87.9	88.9	76.5	83.4	81.7	45.7	..	45.7	158.3	111.1	126.9	92.5	89.2	90.3
2001	92.8	85.8	87.8	70.8	77.6	75.9	47.9	..	47.9	182.5	124.1	142.7	99.8	89.9	93.1
2002	84.2	79.8	81.0	67.0	72.3	71.0	51.5	..	51.5	142.8	100.6	113.2	96.4	88.1	90.3
2003	95.2	87.7	89.7	75.3	82.1	80.3	50.9	..	50.9	201.8	118.3	141.6	100.5	88.6	91.9
2004	103.0	96.3	98.1	86.9	94.7	92.7	57.6	..	57.6	218.0	130.1	155.5	99.0	89.0	91.7
2005	120.9	109.1	112.3	110.2	112.7	112.0	70.6	..	70.6	266.5	150.0	181.7	102.1	90.6	93.7
2006	124.8	117.8	119.8	119.5	123.8	122.6	75.1	..	75.1	237.9	156.0	180.1	105.4	96.7	99.0
2007	125.9	120.9	122.3	123.5	131.2	129.1	74.8	..	74.8	222.9	143.8	166.2	105.4	96.2	98.7
2008	145.4	130.8	134.9	151.4	147.2	148.4	83.0	..	83.0	261.1	147.5	178.9	104.3	98.0	99.6
2009	109.3	107.1	107.7	102.6	107.2	106.0	98.7	..	98.7	151.3	129.2	135.0	109.4	100.5	102.6
2010	117.1	115.3	115.8	119.8	124.6	123.4	93.8	..	93.8	146.1	117.3	125.7	103.9	99.5	100.5
2011	126.4	129.6	128.7	143.3	153.2	150.4	101.4	..	101.4	128.4	112.1	117.0	96.8	97.6	97.4
2012	123.2	130.0	128.1	146.7	154.4	152.3	104.0	..	104.0	95.5	106.5	102.8	92.8	96.9	95.9
2013	123.1	125.4	124.8	141.8	147.2	145.7	101.0	..	101.0	113.7	101.1	104.9	94.7	97.5	96.8
2014	124.7	121.8	122.5	137.9	139.1	138.7	101.1	..	101.1	134.9	105.7	114.4	97.5	99.1	98.7
2015	100.0	100.0	100.0	100.0	100.0	100.0	100.0	..	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2016	91.3	91.8	91.6	86.5	87.4	87.2	97.1	..	97.1	91.9	95.7	94.4	99.8	98.0	98.4
2017	98.0	97.5	97.6	97.0	96.3	96.5	92.1	..	92.1	103.4	101.3	102.1	98.1	98.5	98.4
2018	105.1	101.6	102.6	111.6	106.3	107.8	87.5	..	87.5	101.5	95.3	97.4	94.4	96.0	95.7
2019	101.2	97.7	98.6	107.0	99.6	101.7	85.7	..	85.7	94.3	94.4	94.4	93.2	95.5	95.0
2Q2015	101.2	107.2	105.5	104.8	109.5	108.2	100.3	..	100.3	93.2	115.1	108.0	97.5	101.3	100.4
3Q2015	98.8	109.6	106.7	96.6	106.3	103.6	99.4	..	99.4	93.1	157.9	137.0	105.3	102.1	102.9
4Q2015	92.5	93.4	93.2	90.9	89.0	89.5	98.4	..	98.4	86.8	97.4	94.0	97.6	99.5	99.0
1Q2016	85.6	84.7	84.9	78.3	77.9	78.1	99.3	..	99.3	91.0	82.2	85.2	96.2	96.4	96.3
2Q2016	88.7	95.1	93.4	86.1	91.2	89.9	98.1	..	98.1	76.5	106.2	95.9	98.4	98.7	98.7
3Q2016	94.6	99.3	98.0	89.0	89.5	89.4	96.4	..	96.4	94.1	161.2	137.9	105.7	99.6	101.1
4Q2016	95.4	92.9	93.6	92.2	90.2	90.7	94.7	..	94.7	104.2	96.4	99.1	97.5	96.6	96.8
1Q2017	97.7	94.5	95.4	94.8	93.4	93.8	93.3	..	93.3	115.4	91.4	99.8	95.9	97.1	96.8
2Q2017	96.1	99.0	98.2	93.1	95.1	94.6	94.3	..	94.3	104.3	121.4	115.4	98.6	99.5	99.3
3Q2017	98.1	104.3	102.6	95.6	96.9	96.5	91.6	..	91.6	98.1	165.1	141.6	103.6	100.6	101.3
4Q2017	100.5	98.3	98.9	103.6	99.7	100.8	89.3	..	89.3	99.5	94.5	96.3	95.5	96.9	96.5
1Q2018	104.0	97.6	99.4	107.7	101.4	103.2	89.0	..	89.0	109.2	86.2	93.9	94.5	94.8	94.7
2Q2018	104.0	105.8	105.3	112.2	110.8	111.2	87.1	..	87.1	92.3	108.6	103.1	93.5	97.1	96.3
3Q2018	105.0	111.0	109.4	112.9	110.4	111.1	86.5	..	86.5	89.1	162.6	137.9	97.5	97.7	97.6
4Q2018	107.3	98.4	100.9	113.7	102.2	105.4	87.6	..	87.6	112.8	90.5	98.0	92.4	94.8	94.2
1Q2019	102.9	91.8	94.8	106.4	91.6	95.8	88.9	..	88.9	113.4	85.6	94.9	91.4	93.8	93.2
2Q2019	100.8	104.0	103.1	108.6	106.7	107.2	86.3	..	86.3	89.4	111.5	104.1	90.9	97.5	96.0
3Q2019	100.0	105.5	104.0	105.8	101.1	102.4	84.7	..	84.7	79.6	161.3	133.8	99.0	96.9	97.4
4Q2019	100.2	95.9	97.1	107.4	98.8	101.2	82.9	..	82.9	90.4	87.8	88.7	91.0	93.6	93.0
1Q2020	95.5	91.5	92.5	101.6	91.4	94.3	82.8	..	82.8	85.9	84.2	84.8	88.0	93.6	92.3
2Q2020	85.7	84.5	84.8	85.7	73.4	76.9	85.9	..	85.9	70.4	104.5	93.1	93.3	96.2	95.6
3Q2020	84.9	82.0	82.9

I = Industrial index, including prices for automotive diesel oil for oil products.

H = Households index, including prices for gasoline for oil products.

B = Weighted average index of both industry and households.

Note: The "Real" price index is computed from prices in national currencies and divided by the country specific producer price index for the industrial sector and by the consumer price index for the household sector.

Please refer to General note on definitions, methods and sources at the beginning of Part II.

Table 4
JAPAN - Energy end-use price indices: real

2015 = 100

	Total energy			Oil products			Coal			Natural gas			Electricity		
	I	H	B	I	H	B	I	H	B	I	H	B	I	H	B
1999	69.3	78.7	74.5	54.3	69.2	63.8	38.2	..	38.2	64.9	85.4	80.5	82.4	89.1	85.6
2000	68.7	79.8	74.9	57.5	73.8	68.2	33.6	..	33.6	72.3	88.0	84.2	78.8	85.5	82.0
2001	71.5	80.7	76.7	61.2	75.6	70.7	40.7	..	40.7	75.1	90.2	86.5	80.9	85.1	82.9
2002	69.5	79.1	75.0	61.0	75.1	70.4	44.0	..	44.0	69.7	87.3	82.8	77.2	82.2	79.7
2003	72.2	81.7	77.7	64.6	77.3	73.2	40.6	..	40.6	70.5	89.1	84.1	80.3	85.4	82.8
2004	73.3	83.3	79.1	69.5	81.7	77.8	54.2	..	54.2	66.8	88.4	82.0	78.2	84.2	81.2
2005	78.0	87.7	83.7	83.0	91.7	89.1	78.1	..	78.1	69.1	88.5	82.5	76.2	82.7	79.5
2006	81.9	93.2	88.5	94.5	102.5	100.1	87.3	..	87.3	77.7	92.8	87.9	75.4	82.2	78.8
2007	82.1	93.8	88.9	97.0	104.0	101.9	86.9	..	86.9	81.0	93.7	89.5	74.6	82.4	78.5
2008	92.6	100.8	97.5	119.0	117.3	117.8	143.9	..	143.9	77.4	97.4	91.0	75.6	83.3	79.6
2009	85.1	87.7	86.6	84.2	89.2	87.8	126.1	..	126.1	80.9	94.8	90.5	81.4	84.4	83.0
2010	84.1	90.9	88.3	97.3	99.6	99.0	110.8	..	110.8	85.4	94.0	91.2	75.0	81.4	78.5
2011	92.4	97.6	95.6	111.0	110.5	110.7	137.1	..	137.1	99.0	99.7	99.5	78.2	83.4	81.0
2012	98.6	100.4	99.7	117.0	111.5	113.0	121.8	..	121.8	110.3	102.3	105.0	86.4	88.5	87.5
2013	106.3	106.5	106.4	126.3	118.2	120.4	113.8	..	113.8	125.6	107.4	113.5	94.2	94.4	94.3
2014	109.6	110.0	109.8	127.2	120.3	122.2	102.0	..	102.0	129.1	111.0	117.0	100.0	99.2	99.6
2015	100.0	100.0	100.0	100.0	100.0	100.0	100.0	..	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2016	90.4	87.8	88.8	88.2	86.8	87.2	89.9	..	89.9	74.0	86.0	82.0	93.5	89.3	91.2
2017	97.1	94.0	95.2	99.1	96.5	97.2	136.9	..	136.9	83.1	87.3	85.9	94.2	93.0	93.5
2018	104.0	100.8	102.1	114.1	107.6	109.5	143.2	..	143.2	94.0	93.1	93.4	97.0	95.6	96.3
2019	103.1	101.1	101.9	111.1	104.6	106.5	133.1	..	133.1	94.0	91.1	92.1	97.8	99.7	98.8
2Q2015	103.6	101.6	102.4	105.0	102.8	103.4	102.3	..	102.3	99.3	99.7	99.6	103.7	100.6	102.0
3Q2015	98.0	99.7	99.0	99.4	100.9	100.5	97.4	..	97.4	100.0	99.8	99.9	97.2	98.5	97.9
4Q2015	96.0	97.8	97.1	94.5	94.8	94.7	95.1	..	95.1	101.1	100.0	100.4	96.2	100.3	98.4
1Q2016	89.6	84.2	86.3	84.8	82.8	83.3	85.5	..	85.5	73.7	86.3	82.1	94.2	85.3	89.4
2Q2016	92.3	88.6	90.1	87.3	85.8	86.2	84.1	..	84.1	74.1	86.0	82.0	97.7	92.1	94.7
3Q2016	88.9	89.7	89.4	88.5	88.2	88.3	80.2	..	80.2	74.2	86.2	82.1	91.9	91.9	91.9
4Q2016	90.6	88.8	89.5	92.5	90.4	91.0	109.7	..	109.7	73.8	85.7	81.7	90.1	87.9	88.9
1Q2017	94.7	91.5	92.8	98.5	95.7	96.5	143.6	..	143.6	83.4	87.7	86.3	89.9	88.2	89.0
2Q2017	98.0	93.7	95.4	97.3	95.8	96.2	149.5	..	149.5	83.2	87.3	86.0	95.3	93.0	94.1
3Q2017	97.5	95.2	96.1	96.8	94.8	95.3	124.8	..	124.8	83.2	87.3	86.0	97.1	97.4	97.2
4Q2017	98.0	95.4	96.4	103.9	99.4	100.6	129.9	..	129.9	82.4	86.8	85.4	94.3	93.3	93.7
1Q2018	99.6	97.3	98.3	108.5	103.6	105.0	136.8	..	136.8	94.6	93.2	93.7	92.7	92.0	92.3
2Q2018	104.2	99.4	101.3	113.8	106.5	108.6	144.1	..	144.1	94.1	93.4	93.7	97.4	93.5	95.3
3Q2018	104.8	103.5	104.0	117.4	109.4	111.7	144.7	..	144.7	93.7	93.0	93.2	96.7	99.7	98.3
4Q2018	105.7	103.6	104.4	116.6	111.0	112.6	147.2	..	147.2	93.5	92.7	93.0	98.3	98.5	98.4
1Q2019	105.4	100.3	102.3	110.3	103.3	105.3	145.0	..	145.0	94.5	91.4	92.4	100.8	99.2	99.9
2Q2019	104.9	101.7	103.0	114.2	106.3	108.5	140.5	..	140.5	94.0	91.2	92.1	98.7	99.3	99.0
3Q2019	102.7	101.5	102.0	110.0	103.8	105.6	128.4	..	128.4	94.6	91.1	92.3	98.0	101.5	99.9
4Q2019	99.3	100.8	100.2	109.8	105.1	106.4	118.8	..	118.8	93.1	90.7	91.5	93.4	98.7	96.2
1Q2020	105.8	104.8	105.2	107.2	105.4	105.9	107.5	..	107.5	93.1	91.4	92.0	106.6	107.1	106.9
2Q2020	99.4	96.8	97.9	88.7	92.4	91.4	106.6	..	106.6	94.2	91.4	92.4	104.2	102.4	103.3
3Q2020	92.1	95.3	94.4

I = Industrial index, including prices for automotive diesel oil for oil products.

H = Households index, including prices for gasoline for oil products.

B = Weighted average index of both industry and households.

Note: The "Real" price index is computed from prices in national currencies and divided by the country specific producer price index for the industrial sector and by the consumer price index for the household sector.
Please refer to General note on definitions, methods and sources at the beginning of Part II.

Table 5
OECD countries - Energy end-use price indices for industry: real (total energy)

	2015 = 100											
	2011	2012	2013	2014	2015	2016	2017	2018	2019	4Q2019	1Q2020	2Q2020
Australia	109.6	111.4	113.2	111.9	100.0	95.2	98.0	99.0	98.4	98.2	98.2	98.4
Austria	102.5	105.5	105.2	101.2	100.0	95.4	90.2	92.3	92.9	92.7	88.7	78.1
Belgium	108.4	108.5	106.1	102.5	100.0	99.4	99.7	101.8	101.5	101.3	100.3	95.5
Canada	115.7	115.3	124.0	121.2	100.0	106.4	112.6	117.9	119.5	121.5	116.3	102.6
Chile
Czech Republic	111.4	113.7	112.8	107.6	100.0	91.9	92.1	94.9	97.5	98.2	98.2	90.6
Denmark	116.3	118.6	120.8	113.1	100.0	93.4	96.3	103.4	100.3	99.3	98.1	84.6
Estonia	107.7	115.3	115.3	111.2	100.0	94.4	99.7	108.1	111.0	112.7	109.8	93.6
Finland	109.6	112.4	108.9	106.2	100.0	97.4	101.0	103.2	103.8	104.6	101.9	96.6
France	105.3	108.2	107.0	104.5	100.0	95.8	101.9	112.0	113.4	113.2	110.9	99.4
Germany	106.5	108.3	110.4	107.8	100.0	94.0	94.3	97.6	97.9	97.5	95.5	87.2
Greece	105.7	113.0	108.1	107.7	100.0	95.6	102.9	104.1	104.6	105.4	106.9	100.8
Hungary	108.9	117.0	113.2	112.8	100.0	91.9	90.7	95.5	93.8	96.2	103.4	92.6
Iceland
Ireland	114.7	122.7	123.8	119.9	100.0	91.2	96.3	104.6	111.2	116.4	113.9	105.4
Israel
Italy	99.5	112.0	110.9	108.3	100.0	94.9	93.7	94.7	98.0	96.4	95.4	86.4
Japan	92.4	98.6	106.3	109.6	100.0	90.4	97.1	104.0	103.1	99.3	105.8	99.4
Korea	92.8	100.1	104.5	106.9	100.0	97.7	97.1	98.0	97.8	100.0	100.6	92.1
Latvia	119.2	125.1	121.3	115.2	100.0	92.7	98.9	105.5	106.2	106.4	104.8	87.7
Lithuania	105.2	109.9	111.2	111.9	100.0	94.9	95.6	101.4	99.4	99.4	100.5	94.4
Luxembourg	109.7	117.1	117.5	113.4	100.0	90.2	92.2	95.2	98.3	99.6	98.3	81.2
Mexico	101.1	103.8	108.7	113.6	100.0	92.7	105.7	108.6	110.6	111.7	111.1	100.0
Netherlands	98.7	103.7	104.2	106.0	100.0	94.1	92.8	96.7	97.1	96.0	94.8	91.3
New Zealand	115.0	120.1	117.9	111.9	100.0	86.6	95.7	109.7	104.6	103.1	98.6	80.9
Norway	116.7	111.6	118.2	109.8	100.0	104.9	110.3	128.6	124.9	124.9	98.1	95.3
Poland	114.1	118.3	111.5	107.3	100.0	92.1	98.2	105.0	106.7	104.8	105.5	93.8
Portugal	97.7	103.1	101.3	100.2	100.0	96.0	99.5	103.0	104.0	104.7	103.8	95.0
Slovak Republic	108.9	114.6	112.4	105.4	100.0	97.0	98.2	101.6	103.1	104.0	99.3	95.3
Slovenia	111.2	119.6	119.0	113.6	100.0	93.0	95.4	101.5	101.4	102.2	100.8	87.5
Spain	107.2	113.1	110.8	111.0	100.0	91.8	93.0	98.2	99.8	99.4	98.3	89.1
Sweden	117.6	115.7	116.1	110.7	100.0	102.5	104.0	109.9	110.1	108.6	107.5	100.0
Switzerland	108.5	113.7	111.8	108.2	100.0	99.4	101.5	108.9	105.7	105.3	105.1	92.9
Turkey	109.3	118.4	122.5	111.2	100.0	95.4	91.8	91.4	96.0	102.4	96.8	86.5
United Kingdom	107.7	109.5	109.2	107.3	100.0	95.4	98.3	102.2	103.5	103.8	103.0	94.5
United States	126.4	123.2	123.1	124.7	100.0	91.3	98.0	105.1	101.2	100.2	95.5	85.7
OECD Europe	106.9	111.3	110.9	107.7	100.0	94.9	96.3	100.7	102.1	102.4	100.3	91.3
OECD Total	111.1	113.2	114.6	114.3	100.0	93.9	98.1	103.4	102.7	102.4	100.3	91.2

Note: The "Real" price index is computed from prices in national currencies and divided by the country specific producer price index for the industrial sector and by the consumer price index for the household sector.
Please refer to General note on definitions, methods and sources at the beginning of Part II.

Table 6
OECD countries - Energy end-use price indices for households: real (total energy)

	2015 = 100											
	2011	2012	2013	2014	2015	2016	2017	2018	2019	4Q2019	1Q2020	2Q2020
Australia	104.5	111.6	112.7	113.1	100.0	93.1	101.3	108.5	106.4	108.1	103.2	94.4
Austria	113.1	115.6	113.1	108.2	100.0	95.1	95.3	96.8	94.8	94.7	92.2	87.1
Belgium	114.4	117.4	112.4	106.2	100.0	99.5	103.8	105.6	103.9	104.5	101.0	93.6
Canada	111.5	111.6	111.6	111.2	100.0	100.1	105.3	111.7	106.1	102.8	96.0	88.1
Chile	113.9	111.3	109.0	111.7	100.0	96.0	100.5	104.2	104.8	106.7	108.2	102.7
Czech Republic	108.6	112.9	110.7	105.9	100.0	95.6	94.9	96.3	97.5	98.3	97.3	92.1
Denmark	112.8	113.0	110.0	106.6	100.0	98.5	100.0	105.2	101.2	99.9	96.9	89.3
Estonia	105.0	111.0	112.7	109.4	100.0	94.2	99.2	106.8	105.6	106.3	102.0	94.1
Finland	110.5	110.0	107.6	104.7	100.0	97.2	102.9	106.1	111.0	111.4	109.9	103.5
France	96.0	98.5	100.1	101.4	100.0	97.4	99.3	104.2	106.6	109.9	108.9	104.4
Germany	104.7	108.2	109.2	106.7	100.0	95.8	97.2	97.8	96.3	94.2	93.4	88.4
Greece	95.2	103.4	106.6	108.0	100.0	94.1	99.8	100.1	99.5	97.2	99.1	88.2
Hungary	121.8	124.0	114.9	107.4	100.0	96.0	96.8	97.6	94.5	93.3	90.8	85.3
Iceland	118.4	121.8	117.0	112.2	100.0	94.7	94.6	94.8	94.8	94.8	94.8	94.8
Ireland	98.1	107.0	107.9	107.4	100.0	95.5	95.9	99.6	100.8	100.9	98.6	95.1
Israel	112.7	117.1	116.0	114.1	100.0	94.3	96.4	99.5	96.4	96.2	95.1	84.0
Italy	97.7	105.0	106.0	105.3	100.0	95.7	94.4	96.4	100.0	107.6	106.6	95.1
Japan	97.6	100.4	106.5	110.0	100.0	87.8	94.0	100.8	101.1	100.8	104.8	96.8
Korea	123.5	125.0	123.3	118.9	100.0	91.8	91.5	92.7	89.3	91.4	91.4	81.3
Latvia	100.4	105.8	102.5	99.2	100.0	96.3	95.1	97.0	97.7	97.4	95.3	86.3
Lithuania	111.8	114.3	116.5	110.1	100.0	93.1	88.4	89.1	92.8	92.0	91.3	85.0
Luxembourg	116.4	121.8	115.8	110.0	100.0	91.7	92.4	97.6	99.1	99.8	98.1	81.4
Mexico	83.4	88.0	93.3	98.7	100.0	98.3	108.7	115.0	120.5	120.9	120.3	121.5
Netherlands	104.8	110.8	109.1	106.6	100.0	94.8	95.5	100.3	108.9	107.1	102.7	96.7
New Zealand	106.0	107.4	107.8	106.8	100.0	95.9	98.3	104.0	102.3	102.6	101.6	93.5
Norway	123.2	112.2	116.6	108.3	100.0	106.5	111.6	125.9	123.4	123.5	100.6	98.0
Poland	105.9	110.2	105.8	104.4	100.0	95.9	96.7	99.1	96.9	94.8	92.2	89.5
Portugal	92.4	99.4	99.9	101.9	100.0	98.3	97.1	98.2	94.2	94.2	94.3	88.5
Slovak Republic	111.0	113.7	110.8	106.8	100.0	95.1	93.6	95.6	94.9	91.8	91.2	92.6
Slovenia	103.3	111.2	110.3	108.3	100.0	95.2	96.6	98.2	95.8	95.2	91.8	78.5
Spain	90.6	97.4	96.3	102.1	100.0	94.4	98.6	100.2	99.0	98.8	95.9	91.9
Sweden	109.8	108.0	106.7	104.3	100.0	100.7	103.0	112.3	117.4	117.8	116.6	112.3
Switzerland	109.8	113.5	111.6	109.8	100.0	97.8	101.3	108.4	107.1	106.5	103.9	97.3
Turkey	103.1	109.6	111.2	104.7	100.0	95.2	88.7	90.5	91.7	99.3	95.9	91.3
United Kingdom	106.8	107.8	108.7	108.5	100.0	95.8	97.4	100.9	102.3	101.0	100.3	94.2
United States	129.6	130.0	125.4	121.8	100.0	91.8	97.5	101.6	97.7	95.9	91.5	84.5
OECD Europe	103.6	107.2	107.2	105.8	100.0	96.2	97.2	100.0	100.8	101.5	99.6	93.8
OECD Total	116.7	118.2	116.8	115.1	100.0	93.4	98.0	102.2	100.1	99.2	96.1	89.5

Note: The "Real" price index is computed from prices in national currencies and divided by the country specific producer price index for the industrial sector and by the consumer price index for the household sector.
Please refer to General note on definitions, methods and sources at the beginning of Part II.

Table 7
OECD countries - Energy end-use price indices for industry and households: real (total energy)

	2015 = 100											
	2011	2012	2013	2014	2015	2016	2017	2018	2019	4Q2019	1Q2020	2Q2020
Australia	106.3	111.5	112.9	112.7	100.0	93.9	100.1	104.9	103.4	104.4	101.3	95.9
Austria	107.4	110.1	108.7	104.2	100.0	95.3	92.4	94.2	93.7	93.5	90.1	81.9
Belgium	110.9	112.4	108.9	104.1	100.0	99.4	101.5	103.5	102.6	102.7	100.6	94.6
Canada	112.9	112.9	115.8	114.6	100.0	102.2	107.8	113.7	110.5	108.9	102.7	92.9
Chile
Czech Republic	110.1	113.3	111.8	106.8	100.0	93.5	93.3	95.5	97.5	98.2	97.8	91.2
Denmark	114.1	115.1	114.0	109.1	100.0	96.6	98.5	104.5	100.8	99.6	97.4	87.4
Estonia	106.4	113.3	114.2	110.4	100.0	94.3	99.5	107.5	108.6	109.9	106.3	93.8
Finland	110.0	111.2	108.3	105.5	100.0	97.3	101.9	104.6	107.2	107.9	105.7	99.9
France	100.9	103.5	103.6	103.0	100.0	96.6	100.6	108.2	110.1	111.6	109.9	101.8
Germany	105.5	108.3	109.7	107.2	100.0	95.0	95.9	97.7	97.0	95.7	94.3	87.8
Greece	98.0	105.7	107.0	107.9	100.0	94.5	100.7	101.4	101.2	99.9	101.6	92.3
Hungary	115.7	120.6	114.0	110.2	100.0	93.9	93.5	96.5	94.1	94.9	97.7	89.3
Iceland
Ireland	105.7	114.2	115.5	113.6	100.0	93.1	96.2	102.4	106.7	109.7	107.3	101.0
Israel
Italy	98.6	108.5	108.4	106.9	100.0	95.3	94.0	95.5	99.0	101.8	100.8	90.6
Japan	95.6	99.7	106.4	109.8	100.0	88.8	95.2	102.1	101.9	100.2	105.2	97.9
Korea	104.8	109.7	111.7	111.4	100.0	95.4	95.0	96.0	94.6	96.7	97.1	87.9
Latvia	110.1	116.3	112.9	108.2	100.0	94.2	97.4	102.2	103.0	102.9	101.1	87.2
Lithuania	107.2	111.1	112.7	111.5	100.0	94.5	93.8	98.3	97.7	97.5	98.2	92.0
Luxembourg	111.6	118.5	117.0	112.4	100.0	90.7	92.2	95.9	98.5	99.6	98.3	81.3
Mexico	90.3	94.3	99.4	104.7	100.0	96.1	107.5	112.6	116.8	117.4	116.9	113.4
Netherlands	102.3	108.0	107.2	106.4	100.0	94.6	94.4	98.9	104.2	102.7	99.5	94.5
New Zealand	108.7	111.2	111.0	108.5	100.0	92.8	97.4	105.9	103.1	102.8	100.6	89.3
Norway	120.2	111.9	117.3	109.1	100.0	105.7	111.0	127.2	124.1	124.2	99.4	96.7
Poland	110.4	114.6	108.9	106.0	100.0	93.7	97.6	102.6	102.7	100.8	100.2	92.1
Portugal	95.4	101.5	100.7	100.9	100.0	97.0	98.5	101.0	100.0	100.4	99.9	92.3
Slovak Republic	109.8	114.2	111.8	105.9	100.0	96.2	96.4	99.4	100.0	99.4	96.3	94.3
Slovenia	107.6	115.9	115.2	111.4	100.0	93.9	95.9	100.3	99.3	99.6	97.4	84.1
Spain	99.2	105.3	103.9	106.8	100.0	93.0	95.5	99.1	99.5	99.1	97.2	90.4
Sweden	113.0	111.1	110.5	107.0	100.0	101.4	103.4	111.3	114.4	114.0	112.8	107.2
Switzerland	109.3	113.6	111.7	109.2	100.0	98.4	101.4	108.6	106.5	106.0	104.3	95.6
Turkey	107.2	115.7	119.2	109.3	100.0	95.4	90.9	91.1	94.9	101.6	96.6	87.8
United Kingdom	107.2	108.5	108.9	108.0	100.0	95.6	97.8	101.5	102.8	102.3	101.5	94.3
United States	128.7	128.1	124.8	122.5	100.0	91.6	97.6	102.6	98.6	97.1	92.5	84.8
OECD Europe	105.5	109.7	109.4	107.0	100.0	95.4	96.6	100.4	101.6	102.0	100.1	92.2
OECD Total	113.9	115.7	115.7	114.7	100.0	93.7	98.0	102.8	101.4	100.8	98.2	90.4

Note: The "Real" price index is computed from prices in national currencies and divided by the country specific producer price index for the industrial sector and by the consumer price index for the household sector.
Please refer to General note on definitions, methods and sources at the beginning of Part II.

Table 8
OECD - Energy end-use price indices: nominal

2015 = 100

	Total energy			Oil products			Coal			Natural gas			Electricity		
	I	H	B	I	H	B	I	H	B	I	H	B	I	H	B
1999	51.6	55.5	53.6	47.5	51.8	50.3	39.1	40.5	39.2	59.3	56.0	57.8	57.2	63.5	60.0
2000	60.7	63.5	62.1	59.0	63.9	62.1	39.8	42.8	40.0	81.9	64.5	74.1	60.2	63.2	61.5
2001	62.6	64.0	63.3	57.8	62.1	60.5	43.9	49.1	44.1	92.9	73.2	83.8	64.4	65.4	64.8
2002	60.0	62.2	61.1	56.4	60.0	58.6	45.3	51.1	45.7	79.9	66.2	73.4	63.0	65.8	64.3
2003	65.5	67.2	66.4	60.5	65.8	63.7	44.7	51.3	45.0	107.1	75.4	91.7	66.6	68.2	67.3
2004	71.0	72.9	72.0	67.9	74.4	71.9	55.4	52.7	55.2	116.1	80.1	98.8	67.8	69.5	68.6
2005	82.6	82.3	82.4	83.4	87.8	86.0	68.4	54.7	67.5	139.8	91.2	115.7	72.0	72.1	72.1
2006	89.3	90.0	89.7	91.5	97.5	95.1	71.5	59.0	70.6	140.7	99.5	120.7	77.7	77.3	77.5
2007	92.1	94.2	93.1	94.7	103.7	100.0	74.5	63.2	73.8	135.9	100.0	118.6	81.2	79.2	80.2
2008	110.8	104.4	107.5	118.4	118.5	118.5	113.7	74.3	111.0	171.2	108.2	140.2	88.5	83.6	86.1
2009	90.6	90.3	90.4	88.0	91.6	90.1	104.9	84.1	103.1	113.3	100.7	106.8	90.0	85.6	87.8
2010	98.5	97.3	97.9	102.5	105.9	104.5	103.4	86.9	102.1	112.3	94.7	103.6	90.7	87.1	88.9
2011	112.0	110.4	111.2	123.9	128.6	126.6	123.4	92.9	121.2	114.0	98.5	106.7	93.8	90.1	91.9
2012	115.8	114.2	115.0	130.4	133.4	132.1	117.5	98.6	116.0	103.3	100.5	102.0	96.5	92.6	94.6
2013	117.4	114.4	115.9	128.2	131.5	130.1	111.5	100.4	110.7	115.7	101.1	108.7	101.3	95.8	98.6
2014	117.9	114.6	116.3	125.9	128.4	127.3	107.4	100.3	106.9	126.2	105.6	116.7	103.5	98.8	101.2
2015	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2016	92.9	94.5	93.7	90.2	90.4	90.3	93.4	100.6	93.9	90.2	95.5	92.6	99.4	99.9	99.7
2017	101.0	101.2	101.1	101.4	101.0	101.2	116.9	107.4	116.2	98.4	98.4	98.4	102.1	102.4	102.2
2018	111.2	108.2	109.7	116.6	113.2	114.7	124.1	117.3	123.6	104.2	98.6	101.7	105.5	104.5	105.0
2019	111.9	108.1	110.0	115.9	110.1	112.6	121.3	119.1	121.2	101.2	102.0	101.6	110.7	107.3	109.0
2Q2015	102.5	104.8	103.7	105.0	107.5	106.4	101.3	99.4	101.2	97.8	106.9	102.0	99.5	100.6	100.1
3Q2015	99.2	106.4	102.8	98.7	105.0	102.3	98.6	99.6	98.7	95.9	129.7	111.4	100.8	101.0	100.9
4Q2015	94.8	95.7	95.2	93.3	91.9	92.5	96.4	100.3	96.6	91.4	98.5	94.7	98.1	99.9	99.0
1Q2016	88.7	88.8	88.7	83.4	82.3	82.8	91.2	100.5	91.9	90.1	87.8	89.1	97.8	98.4	98.1
2Q2016	91.5	96.4	93.9	89.4	92.9	91.5	90.6	99.9	91.3	83.3	100.0	90.8	98.1	100.3	99.2
3Q2016	94.2	99.5	96.8	91.6	92.4	92.1	88.3	99.9	89.1	90.4	127.2	107.0	101.2	101.1	101.2
4Q2016	96.9	96.3	96.6	96.1	94.1	94.9	103.4	101.3	103.3	96.1	95.5	95.8	100.2	99.7	99.9
1Q2017	101.0	98.7	99.9	101.3	99.0	100.0	119.8	102.8	118.5	103.9	91.3	98.3	101.1	100.6	100.8
2Q2017	99.6	101.5	100.6	98.9	99.9	99.4	122.8	102.8	121.3	98.3	106.3	101.9	101.8	102.4	102.1
3Q2017	100.0	105.5	102.7	99.0	100.8	100.0	111.4	106.2	111.0	95.6	131.1	111.4	103.7	104.2	104.0
4Q2017	103.5	102.7	103.1	106.1	104.4	105.1	113.8	112.1	113.7	97.2	96.2	96.8	101.8	102.3	102.0
1Q2018	107.0	103.5	105.3	110.2	107.4	108.6	121.1	116.4	120.8	105.9	90.5	98.9	102.9	102.4	102.7
2Q2018	109.8	110.2	110.0	116.2	116.2	116.2	123.3	115.0	122.7	98.3	103.8	100.8	103.1	104.2	103.7
3Q2018	112.7	115.5	114.1	119.2	117.5	118.2	124.4	117.0	123.8	98.2	136.0	115.3	107.6	106.3	107.0
4Q2018	114.9	107.7	111.3	120.7	111.5	115.5	127.5	119.5	126.9	112.6	98.3	106.2	108.1	105.4	106.7
1Q2019	112.1	102.4	107.3	114.1	102.6	107.5	125.2	119.8	124.8	112.5	93.5	103.9	111.0	105.1	108.1
2Q2019	112.5	112.2	112.4	117.9	115.8	116.7	124.4	118.3	124.0	99.4	109.7	104.0	109.2	107.8	108.5
3Q2019	110.9	113.8	112.3	115.0	111.5	113.0	119.0	118.5	119.0	91.8	140.2	113.6	111.6	108.6	110.1
4Q2019	112.0	107.9	110.0	116.5	110.2	112.9	115.8	119.5	116.0	98.5	99.9	99.1	111.3	107.2	109.3
1Q2020	109.2	104.9	107.1	112.0	104.5	107.7	111.8	119.7	112.4	96.0	97.9	96.9	110.3	107.4	108.8
2Q2020	97.4	97.5	97.4	95.0	87.6	90.8	107.3	119.0	108.1	83.1	107.4	94.0	106.9	107.6	107.3
3Q2020	96.9	95.2	95.9

I = Industrial index, including prices for automotive diesel oil for oil products.

H = Households index, including prices for gasoline for oil products.

B = Weighted average index of both industry and households.

Note: Please refer to General note on definitions, methods and sources at the beginning of Part II.

Table 9
OECD Europe - Energy end-use price indices: nominal

2015 = 100

	Total energy			Oil products			Coal			Natural gas			Electricity		
	I	H	B	I	H	B	I	H	B	I	H	B	I	H	B
1999	47.6	54.5	50.7	52.2	59.0	55.7	38.9	40.5	39.2	34.7	42.3	38.5	47.0	55.0	50.3
2000	55.4	60.5	57.7	64.8	70.4	67.6	42.6	42.8	42.6	44.2	44.9	44.6	46.5	54.9	49.9
2001	57.2	61.2	59.0	63.7	68.6	66.1	47.9	49.1	48.1	50.2	49.5	49.8	51.0	58.2	53.9
2002	57.6	61.5	59.3	63.0	67.7	65.2	48.8	51.1	49.2	51.5	52.1	51.8	52.7	59.5	55.5
2003	60.6	63.4	61.8	65.1	69.5	67.1	48.7	51.3	49.1	56.8	54.1	55.4	56.7	62.7	59.2
2004	64.7	65.9	65.2	70.7	74.3	72.3	64.8	52.7	62.8	56.8	54.7	55.7	58.2	63.2	60.3
2005	74.2	71.3	73.0	82.6	82.8	82.7	71.5	54.7	68.5	68.4	59.9	64.0	63.0	65.1	63.9
2006	81.7	77.1	79.7	87.8	88.3	88.0	69.2	59.0	67.4	86.6	70.6	78.1	71.5	69.8	70.8
2007	84.0	79.6	82.2	88.7	90.0	89.2	72.6	63.2	71.0	88.0	73.8	80.8	76.6	72.4	74.9
2008	97.4	87.3	93.3	104.4	99.9	102.6	103.3	74.3	98.0	104.9	83.4	93.5	85.1	77.3	81.8
2009	87.6	83.9	86.0	85.4	86.9	86.0	92.2	84.1	90.3	96.3	85.5	90.3	91.4	80.7	86.6
2010	95.2	89.3	92.7	98.4	99.8	98.9	108.9	86.9	104.0	91.9	82.3	86.6	92.9	84.6	89.2
2011	107.0	97.9	103.4	114.7	112.9	114.0	130.9	92.9	123.3	100.4	89.7	94.8	96.0	89.0	93.0
2012	113.5	104.0	109.7	122.5	121.3	122.1	121.8	98.6	116.9	110.8	97.8	103.8	98.5	92.4	95.8
2013	113.2	105.6	110.1	119.4	118.6	119.1	111.5	100.4	109.3	114.5	101.2	107.3	102.3	97.1	100.0
2014	109.8	105.3	108.1	114.7	113.7	114.3	105.4	100.3	104.4	107.2	102.7	105.0	102.1	98.9	100.7
2015	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2016	94.3	97.0	95.4	93.7	93.7	93.7	100.4	100.6	100.4	86.6	94.8	90.9	98.7	101.2	99.8
2017	100.2	100.2	100.2	103.1	100.8	102.4	129.3	107.4	124.9	84.2	93.4	88.9	98.6	103.2	100.6
2018	110.2	106.0	108.6	115.6	109.3	113.7	143.4	117.3	138.2	95.0	96.9	95.9	104.9	108.4	106.4
2019	114.8	109.4	112.7	117.2	108.9	114.7	145.9	119.1	140.5	98.4	103.4	101.0	116.3	113.4	115.1
2Q2015	103.4	101.6	102.7	105.2	105.4	105.3	99.7	99.4	99.6	102.5	99.2	100.8	100.2	99.6	99.9
3Q2015	99.0	101.8	100.1	99.4	101.8	100.2	98.6	99.6	98.8	96.4	104.3	100.5	98.3	99.9	99.0
4Q2015	96.4	98.6	97.2	94.8	94.6	94.8	97.2	100.3	97.8	95.6	101.4	98.6	99.7	100.5	100.1
1Q2016	90.5	94.7	92.1	87.1	88.2	87.4	95.7	100.5	96.7	89.2	94.3	91.9	98.5	100.4	99.3
2Q2016	93.9	96.8	95.0	93.2	94.3	93.5	95.9	99.9	96.7	87.5	94.0	90.9	98.0	100.4	99.1
3Q2016	94.5	98.3	95.9	94.7	94.3	94.5	94.8	99.9	95.9	84.1	98.2	91.6	98.1	101.6	99.7
4Q2016	98.2	99.1	98.5	99.6	97.8	99.0	114.8	101.3	112.0	84.7	95.3	90.3	100.1	102.3	101.1
1Q2017	101.5	99.6	100.8	105.0	102.5	104.2	132.6	102.8	126.6	84.7	91.0	87.9	98.9	101.8	100.1
2Q2017	99.2	99.2	99.2	101.4	100.0	101.0	135.6	102.8	129.0	83.7	91.6	87.8	98.5	102.4	100.2
3Q2017	98.2	101.1	99.3	100.3	98.7	99.8	123.9	106.2	120.3	83.6	98.5	91.3	97.9	104.3	100.7
4Q2017	101.7	102.0	101.8	105.7	101.9	104.5	125.5	112.1	122.8	83.9	96.6	90.4	99.0	104.6	101.4
1Q2018	104.5	101.8	103.5	108.6	103.7	107.1	141.2	116.4	136.2	89.8	92.1	91.0	101.1	105.7	103.1
2Q2018	108.3	104.2	106.8	114.6	109.0	112.9	140.5	115.0	135.4	91.1	93.1	92.1	101.2	106.2	103.3
3Q2018	112.1	109.2	111.0	118.2	112.5	116.4	142.8	117.0	137.6	96.4	103.2	99.9	105.9	109.6	107.5
4Q2018	115.8	110.0	113.6	121.1	111.8	118.2	148.4	119.5	142.6	101.7	104.4	103.1	111.3	112.1	111.7
1Q2019	114.2	105.9	111.1	115.6	104.5	112.2	148.8	119.8	143.0	101.9	98.7	100.3	117.0	111.4	114.6
2Q2019	115.7	109.8	113.5	118.9	112.2	116.9	148.0	118.3	142.1	99.1	101.6	100.4	114.8	112.2	113.7
3Q2019	113.7	111.7	113.0	116.7	110.0	114.6	145.5	118.5	140.1	94.9	110.2	102.7	114.4	114.3	114.4
4Q2019	115.7	111.3	114.0	117.6	108.7	114.9	141.6	119.5	137.1	96.6	108.3	102.6	120.0	115.7	118.1
1Q2020	113.1	109.5	111.7	114.3	105.6	111.6	140.6	119.7	136.4	95.5	108.4	102.1	116.4	113.0	114.9
2Q2020	101.2	103.6	102.1	98.1	91.4	96.1	134.3	119.0	131.2	88.8	106.4	97.8	111.9	112.6	112.2
3Q2020	101.0	95.0	99.2

I = Industrial index, including prices for automotive diesel oil for oil products.

H = Households index, including prices for gasoline for oil products.

B = Weighted average index of both industry and households.

Note: Please refer to General note on definitions, methods and sources at the beginning of Part II.

Table 10
USA - Energy end-use price indices: nominal

2015 = 100

	Total energy			Oil products			Coal			Natural gas			Electricity		
	I	H	B	I	H	B	I	H	B	I	H	B	I	H	B
1999	50.9	53.4	52.6	40.8	46.3	45.0	33.3	..	33.3	79.1	64.6	69.1	56.9	64.5	61.8
2000	65.7	63.9	64.4	55.0	60.6	59.2	32.8	..	32.8	113.9	80.7	91.9	66.6	64.8	65.4
2001	67.3	64.1	65.0	51.3	58.0	56.3	34.7	..	34.7	132.3	92.7	105.4	72.3	67.2	68.9
2002	60.6	60.6	60.6	48.3	54.9	53.2	37.1	..	37.1	102.9	76.3	84.3	69.5	66.8	67.5
2003	70.3	68.0	68.7	55.6	63.7	61.6	37.6	..	37.6	149.1	91.8	107.8	74.2	68.8	70.3
2004	79.3	76.7	77.4	66.9	75.5	73.2	44.4	..	44.4	167.9	103.7	122.2	76.2	70.9	72.4
2005	98.3	89.9	92.2	89.6	92.9	92.0	57.3	..	57.3	216.6	123.6	148.9	83.0	74.7	76.9
2006	105.5	100.2	101.7	101.1	105.3	104.1	63.5	..	63.5	201.2	132.7	152.9	89.1	82.2	84.1
2007	110.5	105.8	107.1	108.4	114.8	113.0	65.7	..	65.7	195.7	125.8	145.6	92.5	84.2	86.4
2008	137.8	118.9	124.1	143.5	133.7	136.4	78.7	..	78.7	247.4	134.0	165.4	98.8	89.0	91.6
2009	98.5	96.9	97.3	92.4	97.1	95.9	88.9	..	88.9	136.3	117.0	122.0	98.6	91.0	92.8
2010	110.7	106.1	107.3	113.3	114.7	114.3	88.7	..	88.7	138.1	108.0	116.8	98.2	91.5	93.1
2011	128.8	123.0	124.6	146.1	145.4	145.6	103.3	..	103.3	130.8	106.4	113.7	98.7	92.6	94.1
2012	128.2	125.9	126.6	152.7	149.5	150.4	108.2	..	108.2	99.4	103.2	101.9	96.5	93.9	94.6
2013	128.7	123.3	124.8	148.1	144.7	145.6	105.6	..	105.6	118.9	99.4	105.2	98.9	95.8	96.6
2014	131.3	121.6	124.3	145.3	138.9	140.7	106.5	..	106.5	142.1	105.6	116.5	102.8	98.9	99.9
2015	100.0	100.0	100.0	100.0	100.0	100.0	100.0	..	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2016	89.5	92.9	92.0	84.9	88.5	87.5	95.2	..	95.2	90.1	96.9	94.5	97.9	99.2	98.9
2017	99.4	100.9	100.5	98.4	99.6	99.3	93.4	..	93.4	104.9	104.8	104.8	99.5	101.9	101.3
2018	111.5	107.7	108.7	118.4	112.6	114.2	92.8	..	92.8	107.7	100.9	103.2	100.1	101.7	101.4
2019	107.3	105.4	105.9	113.5	107.4	109.2	90.9	..	90.9	100.0	101.9	101.3	98.8	103.1	102.1
2Q2015	102.3	107.5	106.1	105.9	109.8	108.7	101.4	..	101.4	94.2	115.4	108.6	98.5	101.6	100.8
3Q2015	99.3	110.2	107.3	97.1	106.8	104.2	100.0	..	100.0	93.7	158.7	137.7	105.9	102.7	103.4
4Q2015	91.0	93.5	92.8	89.4	89.1	89.2	96.7	..	96.7	85.4	97.5	93.6	96.0	99.5	98.7
1Q2016	82.7	84.8	84.2	75.7	78.1	77.4	96.0	..	96.0	87.9	82.3	84.3	92.9	96.5	95.7
2Q2016	87.0	96.4	93.9	84.5	92.4	90.3	96.2	..	96.2	75.0	107.7	96.3	96.5	100.1	99.2
3Q2016	93.3	100.9	98.9	87.7	91.0	90.1	95.1	..	95.1	92.8	163.9	139.2	104.2	101.3	102.0
4Q2016	94.4	94.7	94.6	91.3	91.9	91.7	93.7	..	93.7	103.1	98.3	100.0	96.5	98.4	98.0
1Q2017	98.0	97.0	97.3	95.1	95.9	95.7	93.6	..	93.6	115.8	93.9	101.6	96.2	99.7	98.9
2Q2017	97.1	102.2	100.8	94.1	98.2	97.1	95.3	..	95.3	105.4	125.4	118.4	99.6	102.8	102.0
3Q2017	99.6	108.1	105.8	97.1	100.5	99.5	93.0	..	93.0	99.6	171.2	146.1	105.3	104.3	104.5
4Q2017	103.4	102.3	102.6	106.6	103.7	104.5	91.8	..	91.8	102.4	98.3	99.8	98.3	100.8	100.2
1Q2018	108.3	102.5	104.1	112.3	106.5	108.1	92.8	..	92.8	113.8	90.5	98.3	98.5	99.5	99.3
2Q2018	110.5	112.2	111.7	119.2	117.5	118.0	92.5	..	92.5	98.1	115.2	109.4	99.4	103.0	102.2
3Q2018	112.5	118.2	116.6	120.9	117.4	118.4	92.6	..	92.6	95.4	173.0	146.9	104.4	103.9	104.0
4Q2018	114.5	104.7	107.4	121.3	108.7	112.2	93.5	..	93.5	120.4	96.2	104.3	98.6	100.8	100.3
1Q2019	108.5	97.9	100.8	112.2	97.8	101.8	93.8	..	93.8	119.6	91.3	100.8	96.4	100.0	99.2
2Q2019	107.8	112.2	111.0	116.1	115.2	115.5	92.3	..	92.3	95.7	120.4	112.1	97.2	105.3	103.4
3Q2019	106.0	114.2	112.0	112.1	109.4	110.2	89.8	..	89.8	84.4	174.6	144.3	104.9	104.9	104.9
4Q2019	106.1	104.1	104.6	113.7	107.3	109.1	87.8	..	87.8	95.8	95.3	95.5	96.3	101.5	100.4
1Q2020	100.2	99.6	99.8	106.6	99.6	101.6	86.9	..	86.9	90.1	91.8	91.2	92.4	102.0	99.8
2Q2020	87.3	91.5	90.4	87.3	79.6	81.7	87.4	..	87.4	71.7	113.3	99.3	95.0	104.3	102.2
3Q2020	87.2	89.7	89.0

I = Industrial index, including prices for automotive diesel oil for oil products.

H = Households index, including prices for gasoline for oil products.

B = Weighted average index of both industry and households.

Note: Please refer to General note on definitions, methods and sources at the beginning of Part II.

Table 11
JAPAN - Energy end-use price indices: nominal

2015 = 100

	Total energy			Oil products			Coal			Natural gas			Electricity		
	I	H	B	I	H	B	I	H	B	I	H	B	I	H	B
1999	71.6	78.5	75.4	56.2	69.0	64.4	39.5	..	39.5	67.1	85.2	80.9	85.2	88.9	87.0
2000	70.8	79.1	75.4	59.3	73.1	68.3	34.6	..	34.6	74.5	87.2	84.1	81.2	84.7	82.8
2001	71.8	79.4	76.1	61.5	74.3	69.9	40.9	..	40.9	75.4	88.7	85.4	81.3	83.7	82.4
2002	68.1	77.1	73.2	59.8	73.2	68.7	43.1	..	43.1	68.3	85.1	80.8	75.7	80.1	77.9
2003	69.8	79.4	75.3	62.4	75.1	71.0	39.2	..	39.2	68.1	86.6	81.6	77.6	83.0	80.3
2004	71.1	81.0	76.8	67.3	79.4	75.6	52.5	..	52.5	64.8	85.9	79.7	75.8	81.8	78.8
2005	76.2	85.0	81.4	81.0	88.9	86.5	76.3	..	76.3	67.5	85.7	80.1	74.4	80.1	77.3
2006	81.5	90.5	86.8	94.0	99.6	97.9	86.9	..	86.9	77.3	90.1	86.0	75.0	79.9	77.5
2007	82.8	91.2	87.7	97.8	101.1	100.1	87.6	..	87.6	81.6	91.1	88.0	75.2	80.1	77.7
2008	97.1	99.3	98.4	124.8	115.6	118.3	151.0	..	151.0	81.2	96.0	91.3	79.3	82.1	80.8
2009	84.9	85.2	85.1	84.1	86.7	86.0	125.9	..	125.9	80.8	92.1	88.6	81.3	82.1	81.7
2010	83.7	87.8	86.2	96.8	96.2	96.4	110.2	..	110.2	85.0	90.7	88.9	74.7	78.5	76.8
2011	93.0	94.0	93.6	111.8	106.4	107.9	138.0	..	138.0	99.6	96.0	97.2	78.8	80.3	79.6
2012	97.6	96.6	97.0	115.8	107.3	109.6	120.5	..	120.5	109.1	98.5	102.0	85.4	85.1	85.3
2013	105.7	102.8	104.0	125.6	114.1	117.2	113.1	..	113.1	124.9	103.7	110.8	93.7	91.1	92.3
2014	112.0	109.1	110.3	130.0	119.4	122.3	104.3	..	104.3	132.0	110.1	117.3	102.3	98.4	100.2
2015	100.0	100.0	100.0	100.0	100.0	100.0	100.0	..	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2016	87.5	87.7	87.6	85.5	86.7	86.3	87.1	..	87.1	71.6	85.9	81.1	90.5	89.2	89.8
2017	95.8	94.3	94.9	97.9	96.8	97.1	135.2	..	135.2	82.0	87.6	85.8	93.0	93.3	93.2
2018	104.8	102.1	103.2	115.0	109.1	110.8	144.3	..	144.3	94.7	94.3	94.4	97.8	96.9	97.3
2019	104.1	102.9	103.4	112.1	106.5	108.1	134.4	..	134.4	94.9	92.7	93.5	98.7	101.5	100.2
2Q2015	104.4	101.8	102.8	105.7	103.1	103.8	103.1	..	103.1	100.0	100.0	100.0	104.4	100.9	102.5
3Q2015	98.0	99.9	99.2	99.4	101.1	100.6	97.4	..	97.4	100.0	100.0	100.0	97.2	98.7	98.0
4Q2015	95.0	97.7	96.7	93.5	94.8	94.4	94.1	..	94.1	100.0	100.0	100.0	95.1	100.3	97.9
1Q2016	87.1	83.9	85.1	82.4	82.4	82.4	83.1	..	83.1	71.6	85.9	81.1	91.6	85.0	88.0
2Q2016	89.3	88.6	88.8	84.5	85.7	85.4	81.3	..	81.3	71.6	85.9	81.1	94.5	92.0	93.1
3Q2016	85.9	89.4	88.0	85.4	87.9	87.3	77.4	..	77.4	71.6	85.9	81.1	88.7	91.6	90.3
4Q2016	87.9	89.1	88.6	89.8	90.7	90.4	106.4	..	106.4	71.6	85.9	81.1	87.4	88.1	87.8
1Q2017	93.1	91.4	92.1	96.8	95.6	95.9	141.2	..	141.2	82.0	87.6	85.8	88.4	88.1	88.2
2Q2017	96.6	94.0	95.0	96.0	96.1	96.1	147.4	..	147.4	82.0	87.6	85.8	94.0	93.3	93.6
3Q2017	96.1	95.5	95.7	95.4	95.0	95.1	123.1	..	123.1	82.0	87.6	85.8	95.7	97.7	96.8
4Q2017	97.5	96.2	96.7	103.3	100.3	101.1	129.3	..	129.3	82.0	87.6	85.8	93.9	94.1	94.0
1Q2018	99.7	98.5	99.0	108.6	104.8	105.9	136.9	..	136.9	94.7	94.3	94.4	92.8	93.1	93.0
2Q2018	104.9	100.3	102.1	114.5	107.5	109.5	145.0	..	145.0	94.7	94.3	94.4	98.0	94.4	96.1
3Q2018	105.9	104.9	105.3	118.6	111.0	113.2	146.2	..	146.2	94.7	94.3	94.4	97.7	101.2	99.5
4Q2018	107.0	105.4	106.0	118.1	113.0	114.4	149.1	..	149.1	94.7	94.3	94.4	99.5	100.2	99.9
1Q2019	105.9	101.8	103.4	110.9	104.9	106.6	145.7	..	145.7	94.9	92.7	93.5	101.3	100.7	101.0
2Q2019	106.0	103.4	104.4	115.3	108.1	110.2	141.9	..	141.9	94.9	92.7	93.5	99.7	101.0	100.4
3Q2019	103.1	103.3	103.2	110.5	105.6	107.0	128.9	..	128.9	94.9	92.7	93.5	98.4	103.3	101.0
4Q2019	101.2	103.1	102.3	111.9	107.5	108.7	121.0	..	121.0	94.9	92.7	93.5	95.2	100.9	98.2
1Q2020	107.6	106.9	107.2	109.0	107.5	107.9	109.3	..	109.3	94.7	93.2	93.7	108.4	109.3	108.9
2Q2020	98.6	98.6	98.6	88.0	94.1	92.4	105.8	..	105.8	93.5	93.0	93.2	103.4	104.3	103.9
3Q2020	91.4	97.1	95.5

I = Industrial index, including prices for automotive diesel oil for oil products.

H = Households index, including prices for gasoline for oil products.

B = Weighted average index of both industry and households.

Note: Please refer to General note on definitions, methods and sources at the beginning of Part II.

Table 12
OECD countries - Energy end-use price indices for industry: nominal (total energy)

	2015 = 100											
	2011	2012	2013	2014	2015	2016	2017	2018	2019	4Q2019	1Q2020	2Q2020
Australia	105.3	106.6	109.5	111.7	100.0	94.6	100.5	106.8	109.8	110.7	111.6	110.5
Austria	102.7	107.2	107.1	102.6	100.0	94.2	91.7	96.5	97.4	97.1	92.5	80.2
Belgium	116.2	120.3	116.4	109.6	100.0	97.6	105.8	113.0	113.3	113.0	110.5	100.3
Canada	112.2	113.0	122.0	122.2	100.0	106.2	115.9	126.0	127.6	129.4	122.7	105.3
Chile
Czech Republic	112.0	116.9	116.3	112.0	100.0	89.1	91.3	95.8	99.9	100.4	99.9	91.2
Denmark	112.2	117.2	120.1	112.4	100.0	93.4	97.6	106.1	103.3	102.7	101.4	86.5
Estonia	107.1	116.9	118.4	113.3	100.0	94.3	103.6	113.7	116.0	117.1	113.1	96.0
Finland	109.6	115.4	112.2	108.8	100.0	95.2	101.3	107.1	108.3	108.8	104.5	96.1
France	107.9	113.0	111.7	107.7	100.0	93.8	102.2	115.1	116.7	116.4	112.8	98.7
Germany	106.8	110.2	112.3	109.2	100.0	93.5	96.2	101.6	102.9	102.6	100.8	91.0
Greece	116.2	128.8	120.6	116.9	100.0	90.9	102.2	108.1	108.4	109.4	106.3	92.2
Hungary	103.6	115.6	113.2	113.6	100.0	91.0	93.0	102.8	103.2	107.7	106.8	96.6
Iceland
Ireland	108.7	118.4	119.0	113.7	100.0	91.6	97.5	103.3	103.8	104.3	103.9	92.8
Israel
Italy	100.1	114.8	113.6	110.2	100.0	93.4	94.8	97.6	101.3	99.7	98.3	87.1
Japan	93.0	97.6	105.7	112.0	100.0	87.5	95.8	104.8	104.1	101.2	107.6	98.6
Korea	105.2	113.1	114.5	114.7	100.0	94.2	98.2	101.3	100.1	102.0	101.6	90.4
Latvia	115.4	123.3	122.0	116.4	100.0	91.4	100.6	111.5	113.1	112.4	110.8	92.5
Lithuania	119.6	130.1	127.7	122.8	100.0	90.3	96.4	107.9	105.8	105.1	102.7	86.7
Luxembourg	116.6	124.7	120.9	114.3	100.0	90.0	96.3	105.3	105.4	106.3	103.4	88.9
Mexico	89.8	97.2	102.0	109.2	100.0	99.4	122.5	133.5	140.0	141.7	142.1	134.1
Netherlands	106.4	112.2	111.5	111.6	100.0	91.8	94.9	101.8	103.2	102.0	99.7	91.0
New Zealand	117.9	120.5	122.0	116.5	100.0	84.4	101.0	120.8	117.1	117.6	111.9	91.6
Norway	114.1	110.5	117.0	111.4	100.0	104.5	116.7	144.8	142.5	144.1	114.8	106.8
Poland	116.2	124.3	116.2	110.1	100.0	92.2	100.7	110.1	112.7	110.8	111.0	97.5
Portugal	106.7	115.2	111.7	108.0	100.0	94.8	100.6	106.5	108.3	108.5	107.4	95.1
Slovak Republic	113.5	121.1	118.4	109.0	100.0	93.7	97.3	103.9	106.1	106.8	103.2	95.8
Slovenia	110.5	119.8	119.3	113.6	100.0	91.8	96.5	104.7	104.7	105.3	103.8	89.8
Spain	108.3	117.3	114.9	113.4	100.0	90.2	94.9	102.7	104.4	103.8	102.0	88.7
Sweden	117.5	115.7	113.3	110.0	100.0	101.0	106.9	120.1	123.7	122.1	119.5	110.2
Switzerland	114.0	119.0	117.2	112.5	100.0	98.0	99.5	108.2	104.7	103.9	103.3	90.5
Turkey	84.0	96.0	103.8	104.9	100.0	100.8	113.9	143.6	175.4	188.8	184.2	170.4
United Kingdom	110.4	114.6	115.6	112.1	100.0	95.5	103.4	112.1	115.2	115.7	114.0	101.4
United States	128.8	128.2	128.7	131.3	100.0	89.5	99.4	111.5	107.3	106.1	100.2	87.3
OECD Europe	107.0	113.5	113.2	109.8	100.0	94.3	100.2	110.2	114.8	115.7	113.1	101.2
OECD Total	112.0	115.8	117.4	117.9	100.0	92.9	101.0	111.2	111.9	112.0	109.2	97.4

Note: Please refer to General note on definitions, methods and sources at the beginning of Part II.

Table 13
OECD countries - Energy end-use price indices for households: nominal (total energy)

	2011	2012	2013	2014	2015	2016	2017	2018	2019	4Q2019	1Q2020	2Q2020	2015 = 100
Australia	96.4	104.7	108.3	111.4	100.0	94.3	104.6	114.2	113.8	116.7	111.7	100.3	
Austria	105.6	110.6	110.3	107.2	100.0	96.0	98.1	101.6	101.1	101.8	99.4	93.9	
Belgium	109.1	115.1	111.4	105.6	100.0	101.5	108.1	112.2	112.1	112.8	109.8	101.6	
Canada	105.6	107.3	108.3	110.0	100.0	101.6	108.6	117.7	114.0	110.8	103.9	94.9	
Chile	99.4	100.1	99.7	107.0	100.0	99.7	106.6	113.2	116.8	120.4	123.4	117.4	
Czech Republic	102.9	110.6	110.0	105.5	100.0	96.2	97.9	101.5	105.6	107.3	108.2	102.7	
Denmark	108.2	111.0	108.9	106.1	100.0	98.8	101.4	107.6	104.3	103.0	100.1	92.1	
Estonia	98.9	108.6	113.4	109.9	100.0	94.3	102.7	114.4	115.7	117.1	111.7	102.2	
Finland	105.1	107.5	106.7	104.9	100.0	97.6	104.0	108.4	114.6	115.4	113.8	106.8	
France	92.9	97.2	99.6	101.3	100.0	97.6	100.5	107.4	111.1	115.0	113.8	109.3	
Germany	99.7	105.1	107.6	106.2	100.0	96.3	99.2	101.5	101.4	99.7	98.5	94.0	
Greece	97.7	107.7	109.9	109.9	100.0	93.3	100.1	101.0	100.7	99.0	99.7	88.6	
Hungary	113.6	122.3	115.2	107.4	100.0	96.4	99.5	103.1	103.2	103.0	101.7	95.6	
Iceland	104.5	113.0	112.8	110.4	100.0	96.3	97.9	100.8	103.8	104.7	104.8	106.3	
Ireland	96.0	106.6	108.0	107.7	100.0	95.5	96.3	100.4	102.6	102.8	100.4	96.7	
Israel	109.3	115.4	116.2	114.8	100.0	93.8	96.1	100.0	97.7	97.6	96.0	84.5	
Italy	93.4	103.5	105.7	105.2	100.0	95.6	95.4	98.6	102.9	110.6	109.6	97.9	
Japan	94.0	96.6	102.8	109.1	100.0	87.7	94.3	102.1	102.9	103.1	106.9	98.6	
Korea	117.0	121.0	120.9	118.1	100.0	92.7	94.2	96.8	93.7	96.1	96.7	85.2	
Latvia	97.5	105.0	101.7	99.1	100.0	96.4	98.0	102.5	106.2	106.2	104.3	94.0	
Lithuania	108.1	114.0	117.4	111.1	100.0	94.0	92.6	95.8	102.0	101.9	101.7	94.6	
Luxembourg	110.2	118.5	114.6	109.5	100.0	92.0	94.3	101.1	104.4	105.7	104.1	86.4	
Mexico	72.2	79.3	87.3	96.0	100.0	101.0	118.5	131.5	142.8	145.1	146.5	147.2	
Netherlands	98.2	106.4	107.4	106.0	100.0	95.1	97.1	103.7	115.6	114.5	109.3	103.8	
New Zealand	102.1	104.6	106.2	106.5	100.0	96.5	100.7	108.3	108.3	109.5	109.3	100.0	
Norway	115.0	105.4	111.8	106.0	100.0	110.3	117.8	136.4	136.7	137.6	111.9	109.7	
Poland	102.0	110.0	106.7	105.4	100.0	95.3	98.0	102.4	102.2	101.0	100.2	97.6	
Portugal	89.5	98.9	99.7	101.4	100.0	98.9	99.0	101.1	97.4	97.7	96.9	91.9	
Slovak Republic	106.1	112.6	111.2	107.2	100.0	94.6	94.4	98.8	100.7	98.0	98.4	100.1	
Slovenia	99.3	109.7	110.7	108.8	100.0	95.2	97.9	101.3	100.5	100.4	96.1	82.0	
Spain	87.8	96.6	96.9	102.6	100.0	94.2	100.3	103.7	103.2	103.7	99.5	95.5	
Sweden	109.1	108.3	107.0	104.4	100.0	101.7	105.9	117.7	125.3	126.5	124.2	120.1	
Switzerland	112.1	115.1	112.9	111.0	100.0	97.4	101.4	109.5	108.6	107.7	104.8	98.0	
Turkey	75.2	87.0	94.8	97.2	100.0	102.6	106.2	126.1	147.2	166.8	165.1	161.4	
United Kingdom	99.9	103.5	106.7	108.1	100.0	96.7	100.9	106.9	110.2	109.5	108.8	102.4	
United States	123.0	125.9	123.3	121.6	100.0	92.9	100.9	107.7	105.4	104.1	99.6	91.5	
OECD Europe	97.9	104.0	105.6	105.3	100.0	97.0	100.2	106.0	109.4	111.3	109.5	103.6	
OECD Total	110.4	114.2	114.4	114.6	100.0	94.5	101.2	108.2	108.1	107.9	104.9	97.5	

Note: Please refer to General note on definitions, methods and sources at the beginning of Part II.

Table 14
OECD countries - Energy end-use price indices for industry and households: nominal (total energy)

	2015 = 100											
	2011	2012	2013	2014	2015	2016	2017	2018	2019	4Q2019	1Q2020	2Q2020
Australia	99.5	105.4	108.8	111.5	100.0	94.4	103.1	111.4	112.3	114.4	111.7	104.2
Austria	104.0	108.8	108.5	104.6	100.0	95.0	94.5	98.7	99.0	99.1	95.4	86.0
Belgium	113.1	118.0	114.2	107.9	100.0	99.3	106.8	112.7	112.7	112.9	110.2	100.9
Canada	107.8	109.3	112.9	114.1	100.0	103.1	111.0	120.4	118.5	117.0	110.1	98.4
Chile
Czech Republic	107.7	113.9	113.3	109.1	100.0	92.2	94.2	98.2	102.3	103.3	103.4	96.1
Denmark	109.7	113.3	113.0	108.5	100.0	96.7	99.9	107.0	103.9	102.9	100.6	89.8
Estonia	103.2	113.2	116.2	111.8	100.0	94.3	103.2	114.0	115.9	117.1	112.5	98.7
Finland	107.4	111.5	109.5	106.9	100.0	96.4	102.6	107.7	111.3	111.9	108.9	101.2
France	100.7	105.3	105.7	104.7	100.0	95.7	101.4	111.4	114.0	115.7	113.3	103.8
Germany	102.8	107.3	109.7	107.5	100.0	95.0	97.8	101.6	102.1	101.0	99.5	92.6
Greece	102.5	112.7	112.9	112.0	100.0	92.6	100.7	103.3	103.2	102.4	101.8	89.8
Hungary	108.9	118.9	114.2	110.7	100.0	93.5	96.0	102.9	103.2	105.6	104.5	96.1
Iceland
Ireland	101.8	112.0	113.2	110.7	100.0	93.4	97.0	102.1	103.2	103.7	102.4	94.5
Israel
Italy	96.8	109.2	109.6	107.8	100.0	94.5	95.1	98.1	102.1	104.9	103.8	92.3
Japan	93.6	97.0	104.0	110.3	100.0	87.6	94.9	103.2	103.4	102.3	107.2	98.6
Korea	109.8	116.1	116.9	116.0	100.0	93.6	96.7	99.6	97.6	99.7	99.7	88.4
Latvia	106.7	115.0	112.9	108.8	100.0	93.5	99.6	108.0	110.4	110.0	108.3	93.1
Lithuania	116.0	125.4	124.7	119.7	100.0	91.2	95.5	104.9	104.9	104.3	102.5	88.7
Luxembourg	114.7	122.8	119.0	112.9	100.0	90.6	95.7	104.0	105.1	106.1	103.6	88.1
Mexico	79.0	86.5	93.1	101.3	100.0	100.4	120.1	132.3	141.8	143.8	144.8	142.3
Netherlands	101.6	108.7	109.0	108.2	100.0	93.8	96.2	103.0	110.7	109.5	105.5	98.7
New Zealand	106.9	109.4	111.2	109.8	100.0	92.5	100.8	112.5	111.2	112.2	110.2	97.2
Norway	114.5	107.8	114.3	108.7	100.0	107.4	117.2	140.5	139.5	140.8	113.3	108.3
Poland	109.9	117.8	111.9	108.0	100.0	93.5	99.6	107.0	108.5	106.9	106.7	97.5
Portugal	99.2	108.1	106.6	105.2	100.0	96.5	100.0	104.3	103.8	104.1	103.1	93.8
Slovak Republic	110.4	117.6	115.4	108.2	100.0	94.1	96.1	102.0	104.1	103.5	101.4	97.4
Slovenia	105.3	115.4	115.6	111.6	100.0	93.1	97.0	103.4	103.1	103.5	100.9	86.8
Spain	98.4	107.0	106.4	108.4	100.0	92.1	97.3	103.2	103.8	103.8	100.9	91.9
Sweden	112.5	111.3	109.6	106.7	100.0	101.4	106.3	118.7	124.6	124.7	122.2	116.0
Switzerland	112.8	116.5	114.4	111.6	100.0	97.6	100.7	109.0	107.0	106.2	104.3	95.1
Turkey	81.0	93.3	101.1	102.7	100.0	101.3	111.8	138.9	167.9	182.9	179.1	168.0
United Kingdom	104.2	108.0	110.4	109.8	100.0	96.2	102.1	109.3	112.5	112.3	111.2	101.9
United States	124.6	126.6	124.8	124.3	100.0	92.0	100.5	108.7	105.9	104.6	99.8	90.4
OECD Europe	103.4	109.7	110.1	108.1	100.0	95.4	100.2	108.6	112.7	114.0	111.7	102.1
OECD Total	111.2	115.0	115.9	116.3	100.0	93.7	101.1	109.7	110.0	110.0	107.1	97.4

Note: Please refer to General note on definitions, methods and sources at the beginning of Part II.

Table 15
OECD countries - Consumer price index

	2015 = 100											
	2011	2012	2013	2014	2015	2016	2017	2018	2019	4Q2019	1Q2020	2Q2020
Australia	92.2	93.8	96.1	98.5	100.0	101.3	103.3	105.2	106.9	107.9	108.3	106.3
Austria	93.3	95.6	97.6	99.1	100.0	100.9	103.0	105.1	106.7	107.6	107.8	107.8
Belgium	95.3	98.0	99.1	99.4	100.0	102.0	104.1	106.3	107.8	108.0	108.7	108.5
Canada	94.7	96.1	97.0	98.9	100.0	101.4	103.1	105.4	107.4	107.8	108.2	107.7
Chile	87.3	89.9	91.5	95.8	100.0	103.8	106.1	108.6	111.4	112.8	114.0	114.4
Czech Republic	94.8	97.9	99.3	99.7	100.0	100.7	103.1	105.3	108.3	109.2	111.2	111.5
Denmark	95.9	98.2	99.0	99.6	100.0	100.3	101.4	102.2	103.0	103.1	103.3	103.2
Estonia	94.2	97.9	100.6	100.5	100.0	100.2	103.6	107.1	109.6	110.2	109.5	108.6
Finland	95.1	97.7	99.2	100.2	100.0	100.4	101.1	102.2	103.3	103.6	103.5	103.2
France	96.7	98.6	99.5	100.0	100.0	100.2	101.2	103.1	104.2	104.7	104.6	104.7
Germany	95.2	97.1	98.6	99.5	100.0	100.5	102.0	103.8	105.3	105.8	105.5	106.3
Greece	102.5	104.1	103.1	101.8	100.0	99.2	100.3	100.9	101.2	101.9	100.6	100.5
Hungary	93.3	98.6	100.3	100.1	100.0	100.4	102.8	105.7	109.2	110.4	112.0	112.1
Iceland	88.3	92.8	96.4	98.4	100.0	101.7	103.5	106.3	109.5	110.5	110.5	112.1
Ireland	97.9	99.6	100.1	100.3	100.0	100.0	100.4	100.8	101.8	102.0	101.9	101.7
Israel	97.0	98.6	100.2	100.6	100.0	99.5	99.7	100.5	101.4	101.4	101.0	100.7
Italy	95.6	98.5	99.7	99.9	100.0	99.9	101.1	102.3	102.9	102.7	102.9	102.9
Japan	96.3	96.2	96.6	99.2	100.0	99.9	100.4	101.3	101.8	102.3	102.0	101.8
Korea	94.7	96.8	98.1	99.3	100.0	101.0	102.9	104.5	104.9	105.2	105.7	104.8
Latvia	97.1	99.2	99.2	99.8	100.0	100.1	103.1	105.7	108.7	109.1	109.4	108.9
Lithuania	96.8	99.7	100.8	100.9	100.0	100.9	104.7	107.5	110.0	110.8	111.4	111.3
Luxembourg	94.7	97.2	98.9	99.5	100.0	100.3	102.0	103.6	105.4	106.0	106.1	106.1
Mexico	86.6	90.2	93.6	97.4	100.0	102.8	109.0	114.4	118.5	120.1	121.8	121.2
Netherlands	93.7	96.0	98.4	99.4	100.0	100.3	101.7	103.4	106.2	106.9	106.5	107.3
New Zealand	96.4	97.4	98.5	99.7	100.0	100.7	102.5	104.2	105.8	106.7	107.6	107.0
Norway	93.3	93.9	95.9	97.9	100.0	103.6	105.5	108.4	110.8	111.4	111.2	111.9
Poland	96.4	99.8	100.8	100.9	100.0	99.3	101.4	103.2	105.5	106.6	108.7	109.1
Portugal	96.8	99.5	99.8	99.5	100.0	100.6	102.0	103.0	103.4	103.7	102.8	103.9
Slovak Republic	95.6	99.0	100.4	100.3	100.0	99.5	100.8	103.3	106.1	106.7	107.9	108.1
Slovenia	96.1	98.6	100.3	100.5	100.0	100.0	101.4	103.1	104.8	105.4	104.6	104.4
Spain	96.9	99.3	100.7	100.5	100.0	99.8	101.8	103.5	104.2	105.0	103.8	103.9
Sweden	99.4	100.3	100.2	100.1	100.0	101.0	102.8	104.8	106.7	107.5	106.5	106.9
Switzerland	102.1	101.4	101.2	101.2	100.0	99.6	100.1	101.0	101.4	101.1	101.0	100.7
Turkey	72.9	79.4	85.3	92.9	100.0	107.8	119.8	139.4	160.5	168.0	172.1	176.6
United Kingdom	93.6	96.0	98.2	99.6	100.0	101.0	103.6	106.0	107.8	108.4	108.5	108.7
United States	94.9	96.9	98.3	99.9	100.0	101.3	103.4	105.9	107.9	108.5	109.0	108.4
OECD Europe	93.6	96.3	98.1	99.3	100.0	101.0	103.5	106.6	109.4	110.3	110.6	111.1
OECD Total	94.0	96.1	97.6	99.3	100.0	101.2	103.5	106.2	108.4	109.2	109.5	109.4

Source: *OECD Main Economic Indicators*.

Note: Please refer to General note on definitions, methods and sources at the beginning of Part II.

Table 16
OECD countries - Producer price index

	2015 = 100											
	2011	2012	2013	2014	2015	2016	2017	2018	2019	4Q2019	1Q2020	2Q2020
Australia	96.2	95.7	96.7	99.7	100.0	99.4	102.6	107.9	111.6	112.8	113.6	112.4
Austria	100.2	101.7	101.8	101.4	100.0	98.7	101.7	104.5	104.9	104.8	104.4	102.8
Belgium	107.2	110.9	109.8	106.9	100.0	98.2	106.2	111.0	111.7	111.6	110.2	105.1
Canada	96.9	98.0	98.4	100.9	100.0	99.8	102.9	106.9	106.8	106.6	105.5	102.6
Chile	86.4	86.6	88.9	96.6	100.0	100.0	102.7	107.2	107.7	107.1	109.8	110.1
Czech Republic	100.5	102.8	103.0	104.1	100.0	96.9	99.1	100.9	102.4	102.2	101.7	100.6
Denmark	96.5	98.8	99.4	99.4	100.0	100.0	101.4	102.6	103.1	103.5	103.4	102.3
Estonia	99.5	101.4	102.7	102.0	100.0	99.9	103.9	105.2	104.5	103.9	103.1	102.5
Finland	100.1	102.7	103.0	102.4	100.0	97.8	100.3	103.8	104.3	104.0	102.5	99.4
France	102.5	104.5	104.4	103.1	100.0	98.0	100.3	102.8	102.9	102.8	101.7	99.3
Germany	100.3	101.7	101.7	101.3	100.0	99.5	102.1	104.2	105.1	105.2	105.5	104.4
Greece	109.9	114.0	111.6	108.5	100.0	95.1	99.3	103.9	103.6	103.7	99.5	91.4
Hungary	95.2	98.7	100.0	100.8	100.0	99.0	102.5	107.6	110.0	112.0	103.3	104.3
Iceland	99.1	100.2	95.8	95.2	100.0	91.9	87.7	93.7	98.3	97.9	100.2	100.9
Ireland	94.8	96.5	96.1	94.8	100.0	100.4	101.2	98.8	93.3	89.6	91.2	88.0
Israel	103.1	107.6	108.1	106.5	100.0	96.5	98.0	101.3	100.1	99.3	98.5	92.9
Italy	100.6	102.5	102.5	101.8	100.0	98.5	101.2	103.2	103.4	103.5	103.1	100.9
Japan	100.6	98.9	99.4	102.2	100.0	96.9	98.7	100.7	100.9	101.9	101.7	99.2
Korea	113.4	112.9	109.6	107.2	100.0	96.5	101.1	103.3	102.3	102.0	101.1	98.2
Latvia	96.8	98.5	100.6	101.0	100.0	98.5	101.7	105.7	106.5	105.7	105.8	105.5
Lithuania	113.7	118.4	114.8	109.7	100.0	95.1	100.9	106.4	106.5	105.8	102.2	91.9
Luxembourg	106.3	106.6	102.9	100.8	100.0	99.8	104.5	110.6	107.3	106.8	105.2	109.5
Mexico	88.8	93.7	93.8	96.1	100.0	107.2	115.9	122.9	126.5	126.9	127.9	134.0
Netherlands	107.8	108.2	107.0	105.2	100.0	97.5	102.2	105.3	106.3	106.3	105.2	99.7
New Zealand	102.5	100.4	103.5	104.1	100.0	97.5	105.5	110.2	111.9	114.1	113.4	113.2
Norway	97.7	99.0	99.0	101.5	100.0	99.6	105.8	112.6	114.1	115.3	117.0	112.1
Poland	101.8	105.0	104.2	102.6	100.0	100.1	102.5	104.8	105.7	105.6	105.2	103.9
Portugal	109.3	111.8	110.4	107.8	100.0	98.7	101.1	103.5	104.1	103.7	103.5	100.2
Slovak Republic	104.3	105.7	105.3	103.4	100.0	96.6	99.1	102.3	102.9	102.7	103.9	100.6
Slovenia	99.3	100.2	100.3	100.0	100.0	98.7	101.1	103.2	103.3	103.1	103.0	102.6
Spain	101.0	103.7	103.7	102.2	100.0	98.2	102.0	104.6	104.5	104.4	103.8	99.6
Sweden	99.9	100.0	97.6	99.4	100.0	98.5	102.8	109.2	112.4	112.5	111.1	110.2
Switzerland	105.1	104.6	104.8	103.9	100.0	98.5	98.1	99.4	99.1	98.7	98.3	97.4
Turkey	76.9	81.1	84.7	94.4	100.0	105.6	124.1	157.1	182.7	184.4	190.2	196.9
United Kingdom	102.5	104.7	105.9	104.5	100.0	100.1	105.2	109.7	111.3	111.5	110.7	107.3
United States	101.9	104.1	104.5	105.4	100.0	98.1	101.5	106.1	106.1	105.9	104.9	101.8
OECD Europe	99.4	101.5	101.9	102.0	100.0	99.5	104.2	109.3	112.0	112.2	111.9	109.9
OECD Total	100.1	101.8	102.1	102.9	100.0	99.0	103.0	107.6	108.9	109.1	108.6	106.4

Source: *OECD Main Economic Indicators*.

Note: Please refer to General note on definitions, methods and sources at the beginning of Part II.

Table 17
OECD countries - Consumer price index: energy

	2011	2012	2013	2014	2015	2016	2017	2018	2019	4Q2019	1Q2020	2Q2020	2015 = 100
Australia	93.4	100.3	106.6	107.9	100.0	96.7	105.8	115.4	114.0	116.0	113.1	101.4	
Austria	105.8	111.0	110.1	107.9	100.0	95.6	98.0	103.1	104.1	104.5	103.3	96.5	
Belgium	110.9	117.7	113.2	106.2	100.0	100.7	109.0	116.7	117.7	116.4	117.0	112.6	
Canada	103.5	105.2	106.8	110.6	100.0	97.0	102.2	109.0	106.6	106.0	101.7	91.8	
Chile	98.6	98.2	98.5	104.7	100.0	101.8	105.8	112.0	114.5	118.5	120.5	116.2	
Czech Republic	99.3	106.4	107.1	103.2	100.0	97.5	98.4	101.5	106.7	107.5	108.1	103.9	
Denmark	105.0	108.6	107.6	107.3	100.0	96.5	97.9	100.8	100.5	100.5	98.8	92.1	
Estonia	95.9	106.0	112.1	107.6	100.0	96.0	101.4	110.8	113.0	113.4	110.4	101.5	
Finland	104.5	108.8	108.2	106.4	100.0	96.3	101.8	106.4	109.5	110.3	108.5	100.5	
France	100.6	105.8	106.6	105.0	100.0	97.2	103.1	112.9	114.9	115.5	113.9	104.8	
Germany	103.2	109.1	110.3	107.9	100.0	94.7	97.2	101.6	103.0	102.9	102.6	97.3	
Greece	94.4	106.5	113.5	111.5	100.0	99.5	105.8	109.2	108.7	109.2	105.5	94.2	
Hungary	113.0	122.8	116.1	108.2	100.0	96.2	99.9	104.6	105.2	106.3	105.3	96.2	
Iceland	98.6	107.2	107.3	105.8	100.0	97.1	99.6	104.7	107.6	107.5	108.3	103.5	
Ireland	101.2	110.7	110.5	108.9	100.0	93.8	97.5	104.4	105.6	106.6	106.0	97.4	
Israel	103.5	112.4	114.4	114.1	100.0	93.7	96.8	99.8	99.3	99.2	96.1	87.3	
Italy	97.3	111.2	110.8	107.5	100.0	94.6	98.9	104.5	105.0	104.2	103.5	93.4	
Japan	92.1	95.6	101.1	107.7	100.0	89.8	94.6	101.1	102.5	102.2	102.5	97.7	
Korea	111.7	116.6	116.9	116.4	100.0	90.6	93.8	95.9	93.4	96.3	96.1	87.6	
Latvia	98.8	107.5	104.9	102.8	100.0	93.1	96.9	103.8	107.0	106.9	105.9	97.2	
Lithuania	111.9	119.3	117.9	113.3	100.0	93.5	97.2	104.1	104.3	101.9	102.9	91.5	
Luxembourg	110.7	118.7	115.6	110.3	100.0	91.5	95.4	103.4	105.1	105.0	105.6	91.9	
Mexico	78.1	83.8	90.1	97.6	100.0	99.8	115.6	130.6	133.8	136.3	136.2	118.2	
Netherlands	100.0	107.0	107.5	105.8	100.0	94.4	97.9	105.8	113.8	113.0	107.6	101.3	
New Zealand	102.1	103.6	105.1	105.9	100.0	97.2	101.8	109.5	110.4	111.7	110.8	103.4	
Norway	110.5	99.2	108.1	104.5	100.0	109.3	118.2	142.2	142.4	142.3	123.9	106.8	
Poland	99.5	107.3	105.5	104.3	100.0	96.4	99.5	103.1	102.7	102.5	105.3	99.4	
Portugal	96.6	105.9	105.2	103.8	100.0	98.2	101.6	106.4	104.5	104.3	103.8	96.1	
Slovak Republic	102.2	108.0	106.6	104.2	100.0	96.5	94.1	96.9	100.9	101.0	102.9	99.6	
Slovenia	98.2	106.4	108.7	107.2	100.0	95.4	99.3	105.0	106.2	106.9	102.9	89.1	
Spain	101.8	110.8	110.8	109.9	100.0	91.4	98.7	104.8	103.5	102.3	99.5	88.5	
Sweden	109.6	109.8	107.8	105.2	100.0	101.3	107.1	118.4	122.1	123.0	114.9	105.2	
Switzerland	111.5	114.3	112.6	111.5	100.0	96.5	100.8	108.9	108.4	107.5	104.6	97.8	
Turkey	81.3	92.5	99.5	102.0	100.0	102.7	113.4	135.4	153.8	168.3	166.3	156.8	
United Kingdom	99.8	104.8	108.3	108.4	100.0	97.5	103.4	110.5	112.8	112.1	111.1	103.3	
United States	120.2	121.3	120.5	120.1	100.0	93.4	100.8	108.4	106.1	105.8	102.0	91.9	
OECD Europe	99.6	107.0	108.3	106.8	100.0	96.6	101.7	109.4	112.0	112.7	111.3	103.2	
OECD Total	105.4	109.7	111.1	111.6	100.0	95.0	101.4	109.1	109.4	109.7	107.4	98.3	

Source: *OECD Main Economic Indicators*.

Note: Please refer to General note on definitions, methods and sources at the beginning of Part II.

**B. ENERGY END-USE PRICES,
TAXES AND PRICE INDICES
IN NATIONAL CURRENCIES**

AUSTRALIA**Table 1 - Average prices and taxes in Australian dollars**

High sulphur fuel oil for industry (per tonne)					Heavy fuel oil for electricity generation (per tonne)					
	Ex-tax price	Excise tax	GST	Total tax	Total price	Ex-tax price	Excise tax	GST	Total tax	Total price
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020
Light fuel oil for industry (per 1000 litres)					Light fuel oil for households (per 1000 litres)					
	Ex-tax price	Excise tax	GST	Total tax	Total price	Ex-tax price	Excise tax	GST	Total tax	Total price
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020
Automotive diesel for commercial use (per litre)					Automotive diesel for non-commercial use (per litre)					
	Ex-tax price	Excise tax	GST	Total tax	Total price	Ex-tax price	Excise tax	GST	Total tax	Total price
2009	0.841	0.381	0.122	0.503	1.344
2010	0.781	0.381	0.116	0.497	1.278
2011	0.968	0.381	0.135	0.516	1.484
2012	0.980	0.381	0.136	0.517	1.497
2013	1.003	0.381	0.138	0.519	1.523
2014	1.028	0.382	0.141	0.523	1.551
2015	0.782	0.391	0.117	0.508	1.289
2016	0.675	0.396	0.107	0.503	1.178
2017	0.775	0.402	0.118	0.520	1.295
2018	0.950	0.411	0.136	0.547	1.497
2019	0.915	0.417	0.133	0.550	1.465
3Q2019	0.909	0.418	0.133	0.550	1.459
4Q2019	0.925	0.418	0.134	0.552	1.478
1Q2020	0.897	0.421	0.132	0.553	1.450
2Q2020	0.669	0.423	0.109	0.532	1.202
3Q2020

AUSTRALIA**Table 2 - Average prices and taxes in Australian dollars**

Premium unleaded (95 RON) gasoline (per litre)					Regular unleaded (91 RON) gasoline (per litre)					
	Ex-tax price	Excise tax	GST	Total tax	Total price	Ex-tax price	Excise tax	GST	Total tax	Total price
2009	0.872	0.381	0.125	0.506	1.379	0.787	0.381	0.117	0.498	1.285
2010	0.861	0.381	0.124	0.505	1.366	0.763	0.381	0.114	0.495	1.259
2011	1.015	0.381	0.140	0.521	1.535	0.919	0.381	0.130	0.511	1.430
2012	1.026	0.381	0.141	0.522	1.548	0.921	0.381	0.130	0.511	1.432
2013	1.039	0.381	0.142	0.523	1.562	0.941	0.381	0.132	0.513	1.454
2014	1.051	0.382	0.143	0.526	1.576	0.952	0.382	0.133	0.516	1.468
2015	0.883	0.391	0.127	0.518	1.401	0.775	0.391	0.117	0.507	1.283
2016	0.805	0.396	0.120	0.516	1.321	0.667	0.396	0.106	0.502	1.169
2017	0.879	0.402	0.128	0.530	1.409	0.767	0.402	0.117	0.519	1.286
2018	1.003	0.411	0.141	0.552	1.555	0.891	0.411	0.130	0.541	1.432
2019	0.998	0.417	0.141	0.558	1.556	0.875	0.417	0.129	0.546	1.421
3Q2019	1.001	0.418	0.142	0.559	1.560	0.878	0.418	0.130	0.547	1.425
4Q2019	1.071	0.418	0.149	0.567	1.638	0.941	0.418	0.136	0.554	1.495
1Q2020	0.980	0.421	0.140	0.561	1.542	0.844	0.421	0.126	0.548	1.391
2Q2020	0.711	0.423	0.113	0.536	1.248	0.576	0.423	0.100	0.523	1.099
3Q2020
Automotive LPG for non-commercial use (per litre)					Natural gas for industry (per megawatt hour GCV)					
	Ex-tax price	Excise tax	GST	Total tax	Total price	Ex-tax price	Excise tax	GST	Total tax	Total price
2009	0.545	-	0.055	0.055	0.599
2010	0.535	-	0.053	0.053	0.588
2011	0.640	-	0.064	0.064	0.704
2012	0.614	0.038	0.065	0.103	0.717
2013	0.593	0.063	0.066	0.128	0.721
2014	0.626	0.088	0.071	0.159	0.785
2015	0.422	0.115	0.054	0.169	0.590
2016	0.428	0.129	0.056	0.185	0.613
2017	0.522	0.132	0.065	0.197	0.719
2018	0.589	0.134	0.072	0.206	0.794
2019	0.526	0.137	0.066	0.203	0.729
3Q2019	0.514	0.137	0.065	0.202	0.716
4Q2019	0.510	0.137	0.065	0.202	0.712
1Q2020	0.562	0.138	0.070	0.208	0.769
2Q2020	0.501	0.138	0.064	0.202	0.702
3Q2020
Natural gas for electricity generation (per megawatt hour GCV)					Natural gas for households (per megawatt hour GCV)					
	Ex-tax price	Excise tax	GST	Total tax	Total price	Ex-tax price	Excise tax	GST	Total tax	Total price
2009	c	c	c	c	c
2010	c	c	c	c	c
2011	c	c	c	c	c
2012	c	c	c	c	c
2013	c	c	c	c	c
2014	c	c	c	c	c
2015	c	c	c	c	c
2016	c	c	c	c	c
2017	c	c	c	c	c
2018	c	c	c	c	c
2019	c	c	c	c	c
3Q2019	c	c	c	c	c
4Q2019	c	c	c	c	c
1Q2020	c	c	c	c	c
2Q2020	c	c	c	c	c
3Q2020	c	c	c	c	c

AUSTRALIA**Table 3 - Average prices and taxes in Australian dollars**

Steam coal for industry (per tonne)					Steam coal for electricity generation (per tonne)					
	Ex-tax price	Excise tax	GST	Total tax	Total price	Ex-tax price	Excise tax	GST	Total tax	Total price
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020
Steam coal for households (per tonne)					Coking coal for industry (per tonne)					
	Ex-tax price	Excise tax	GST	Total tax	Total price	Ex-tax price	Excise tax	GST	Total tax	Total price
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020
Electricity for industry (per megawatt hour)					Electricity for households (per megawatt hour)					
	Ex-tax price	Excise tax	GST	Total tax	Total price	Ex-tax price	Excise tax	GST	Total tax	Total price
2009
2010
2011
2012	259.0	-	25.9	25.9	284.9
2013	271.1	-	27.1	27.1	298.2
2014	285.7	-	28.6	28.6	314.3
2015	256.8	-	25.7	25.7	282.5
2016	247.1	-	24.7	24.7	271.8
2017	281.6	-	28.2	28.2	309.4
2018	302.4	-	30.2	30.2	332.6
2019	303.5	-	30.4	30.4	333.9
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020

AUSTRALIA
Table 4 - Indices of energy prices

	Oil products		Electricity		Natural gas		Coal	
	Wholesale	Retail	Wholesale 2011-12 = 100	Retail 2011-12 = 100	Wholesale 2011-12 = 100	Retail 2011-12 = 100	Wholesale 1995 = 100	Retail
1999	..	48.8	55.7	42.9	58.6	47.1	105.9	..
2000	..	60.3	55.4	45.5	64.8	49.6
2001	..	60.3	55.1	48.6	64.7	52.9
2002	..	59.6	59.1	50.4	65.3	55.8
2003	..	62.3	62.7	53.3	66.1	59.2
2004	..	67.6	62.3	54.3	65.8	62.6
2005	..	76.8	63.0	55.8	68.1	65.8
2006	..	86.5	63.9	57.5	69.6	68.9
2007	..	86.4	66.5	60.1	70.9	71.5
2008	..	98.6	73.9	66.1	73.7	77.3
2009	..	83.4	79.0	74.0	80.9	84.0
2010	..	87.7	87.6	85.2	90.7	91.5
2011	..	98.0	96.2	95.3	98.0	96.5
2012	..	100.4	110.6	108.9	103.3	108.9
2013	..	102.7	126.0	121.2	115.2	120.4
2014	..	103.8	124.4	121.6	112.9	125.7
2015	..	90.2	118.0	119.1	102.8	128.3
2016	..	82.9	118.5	120.7	98.8	130.2
2017	..	91.5	132.0	132.6	112.0	137.2
2018	..	102.7	151.3	140.9	130.2	145.1
2019	..	101.5	152.6	138.3	128.1	145.6
3Q2012	..	97.9	113.2	116.5	101.3	117.1
4Q2012	..	100.4	124.3	116.4	109.5	115.8
1Q2013	..	101.6	125.4	119.2	112.7	117.0
2Q2013	..	98.5	125.3	118.4	115.5	118.2
3Q2013	..	106.0	126.4	123.6	116.5	123.9
4Q2013	..	104.8	126.9	123.7	115.9	122.3
1Q2014	..	109.1	129.1	125.4	119.5	125.1
2Q2014	..	106.1	127.9	124.5	118.8	125.5
3Q2014	..	103.4	120.2	118.2	107.6	127.0
4Q2014	..	96.4	120.3	118.2	105.8	125.3
1Q2015	..	84.6	120.0	120.5	107.8	128.7
2Q2015	..	94.9	120.3	119.8	105.8	129.8
3Q2015	..	93.3	116.1	118.1	98.9	128.1
4Q2015	..	88.0	115.6	118.1	98.7	126.6
1Q2016	..	79.2	114.9	117.9	100.3	130.4
2Q2016	..	83.9	118.4	117.4	98.2	130.8
3Q2016	..	81.5	120.4	123.7	97.0	130.7
4Q2016	..	87.0	120.1	123.7	99.8	129.0
1Q2017	..	92.0	128.4	126.8	104.7	133.9
2Q2017	..	89.7	128.8	126.6	107.0	134.4
3Q2017	..	87.6	133.1	137.9	114.5	141.4
4Q2017	..	96.7	137.5	139.1	121.6	139.0
1Q2018	..	97.6	148.9	141.6	131.0	147.3
2Q2018	..	104.3	149.9	139.8	131.7	144.0
3Q2018	..	105.8	153.4	140.4	130.0	145.6
4Q2018	..	103.2	153.0	141.6	128.2	143.5
1Q2019	..	94.2	159.1	140.8	128.1	144.7
2Q2019	..	103.8	151.8	138.4	129.2	144.0
3Q2019	..	101.7	147.1	137.5	128.3	148.3
4Q2019	..	106.2	152.3	136.6	126.9	145.5
1Q2020	..	99.8	162.1	138.4	128.1	146.0
2Q2020	..	80.5	141.4	135.0	128.1	144.7
3Q2020

AUSTRALIA

Sources

Data for all energy products, including energy price indices, are provided on a quarterly basis by the **Department of Industry, Science, Energy and Resources (DISER)**.

Data collection methodology

Oil products

Wholesale fuel prices for oil products (e.g. automotive diesel, gasoline, LPG) are determined by the market with reference to import parity pricing models that take into account regional oil product prices as well as shipping costs (freight, wharfage, insurance) and any quality premium associated with compliance with Australian fuel standards.

The relationship between wholesale prices and retail prices varies depending on proximity to local refineries and import terminals, local market conditions (e.g. sales volumes) and the degree of competitive discounting.

Prices for automotive diesel, unleaded regular gasoline, unleaded premium gasoline (95 RON) and automotive LPG are derived by the DISER based on a quarterly report commissioned to the Australian Institute of Petroleum (AIP), which contains monthly average retail end-use fuel prices in the eight Australian state/territory capital cities. These cities account for 66% of Australia's total population, according to the Australian Bureau of Statistics (ABS) *Population by Age and Sex, Regions of Australia, 2014* publication.

A national weighted average price for each product is calculated using the monthly state prices from the AIP report and monthly state-level sales data from the DISER's petroleum statistics.

Ex-tax prices are calculated by subtracting the applicable excise tax rates and the Goods and Services Tax (GST) from the end-use prices, sourced from the Australian Taxation Office (ATO).

As described in the Energy Taxation section of this document, oil products used for commercial purposes are subject to a series of tax credits, which reduce the effective tax rates paid by this consumer category. For this reason, total taxes effectively paid by commercial users are currently not available.

Natural gas

Natural gas prices for industry, households and electricity generation are currently not available.

There is no single wholesale price for gas. A "transfer price" is calculated for the cost of gas that is used to produce LNG.

Steam and coking coal

From 1990 onwards, coal prices for industry, households and electricity generation are currently not available.

Electricity

Electricity prices for industry are currently not available.

Annual electricity prices for households correspond to fiscal years which run from 1 July to 30 June. For example, the annual price shown for 2013 refers to the period between 1 July 2012 and 30 June 2013.

Prices for households are sourced from the Australian Energy Market Commission's (AEMC) *Residential Electricity Price Trends*, and refer to the average expenditures per MWh received via a survey that samples households Australia-wide. These averages are weighted by the number of residential connections in each jurisdiction and are therefore considered to be most closely representative of the most populous jurisdictions of Australia.

Energy price indices

Annual and quarterly indices are 12-month and 3-month averages, respectively.

Indices are sourced from the Australian Bureau of Statistics (ABS).

Wholesale indices refer to the Producer Price Index (PPI), *Input to the Manufacturing industries* (6427.0) series.

Retail indices refer to the Consumer Price Index (CPI), *weighted average of eight capital cities* (6401.0) series.

Retail indices for oil products refer to *automotive fuels* (series ID: A2328636K).

Wholesale and retail indices for electricity refer to "electricity" (series ID: A2309192C and A2328141J, respectively).

Wholesale indices for natural gas refer to *natural gas* (series ID: A2309195K). Retail indices refer to *gas and other households fuels* (series ID: A2331921F).

Energy taxation

VAT

The Goods and Services Tax (GST), in place in Australia since 1 July 2000, is a VAT-equivalent *ad valorem* tax that is refunded for purchases for commercial purposes. Therefore, it is not included in prices shown for industry and electricity generation, and for automotive fuels for commercial use.

Since its introduction in 2000, the rate has been kept constant at 10% and applies to the excise-inclusive price of gasoline and diesel, biofuels and gaseous fuels.

From	To	%
01.07.00	now	10

Excise tax

Excise taxes in Australia are levied at a national level on oil products.

The carbon pricing mechanism has been abolished from 1 July 2014 with the repeal of the Clean Energy Act 2011.

Tax applicability table (not exhaustive)

	HSFO	LFO	Diesel	Gasoline	LPG	Natural gas	Steam coal	Coking coal	Electricity
Fuel tax	x	x	x	x	x				

Fuel tax

Fuel tax in Australia is a form of excise taxation applicable to oil products used for transportation or heating, as well as liquefied or compressed natural gas for transpor-

tation. In its current form, the fuel tax is legally defined in the Fuel Tax Act of 2006, which describes the system for fuel tax credits for commercial and non-commercial users. The Excise Act of 1901, the Excise Tariff Act of 1921, the Customs Act of 1901 and the Customs Tariff Act of 1995 establish the liability system for this tax.

Registered commercial entities and some non-profit organizations are entitled to fuel tax credits for taxable oil products used for conducting their commercial activities.

Fuel tax rates on fuel and oil products (other than aviation fuels) are currently indexed twice a year in line with the consumer price index (CPI). This indexation mechanism, in place since 1983, was interrupted in 2001 and re-introduced on 10 November 2014. Indexation currently takes place, every year, on around 1 February and 1 August. Excise rates remained unchanged in August 2020 as the CPI movement was less than one.

From 1 July 2016 onwards, domestically manufactured and imported ethanol and biodiesel are subject to fuel tax following the rates defined by the Excise Tariff Amendment (Ethanol and Biodiesel) Act 2015. Pursuant to these amendments, the excise rate on both ethanol and biodiesel is set as a percentage of the excise rate for gasoline. From 1 July 2020, the excise rate for ethanol and biodiesel is set at 32.77% and 16.667%, respectively, for the 2020-2021 financial year.

Gaseous fuels, including LPG, liquefied natural gas (LNG) and compressed natural gas (CNG), used for road transportation, are subject to fuel tax. Uses other than transportation are tax-free.

The rates shown in the tax rate tables at the end of this section refer to non-commercial users not eligible for tax credits under the current legal framework.

Electricity generation is not taxed, but the fuels used for production are.

Fuel tax

From	To	Heavy fuel oil (AUD/tonne)	Light fuel oil (AUD/1000l)	Automotive diesel (AUD/l)	Gasoline (AUD/l)	Automotive LPG (AUD/l)
07.08.97	31.07.98	432.29	427.97	0.42797	0.42797	
01.08.98	31.01.99	434.89	430.54	0.43054	0.43054	
01.02.99	31.07.99	437.93	433.55	0.43355	0.43355	
01.08.99	31.01.00	439.24	434.85	0.43485	0.43485	
01.02.00	30.06.00	445.83	441.37	0.44137	0.44137	
01.07.00	31.07.00	445.83	441.37	0.37481	0.44137	
01.08.00	31.01.01	385.03	381.18	0.38118	0.38118	
01.02.01	28.02.01	400.43	396.43	0.39643	0.39643	
01.03.01	30.11.11	385.28	381.43	0.38143	0.38143	
01.12.11	30.06.12	385.28	381.43	0.38143	0.38143	0.025

From	To	Heavy fuel oil (AUD/tonne)	Light fuel oil (AUD/1000l)	Automotive diesel (AUD/l)	Gasoline (AUD/l)	Automotive LPG (AUD/l)
01.07.12	30.06.13	385.28	381.43	0.38143	0.38143	0.050
01.07.13	30.06.14	385.28	381.43	0.38143	0.38143	0.075
01.07.14	09.11.14	385.28	381.43	0.38143	0.38143	0.100
10.11.14	31.01.15	389.90	386.00	0.38600	0.38600	0.101
01.02.15	31.07.15	392.93	389.00	0.38900	0.38900	0.102
01.08.15	31.01.16	395.96	392.00	0.39200	0.39200	0.128
01.02.16	31.07.16	398.99	395.00	0.39500	0.39500	0.129
01.08.16	31.01.17	400.00	396.00	0.39600	0.39600	0.129
01.02.17	31.07.17	405.05	401.00	0.40100	0.40100	0.131
01.08.17	04.02.18	407.07	403.00	0.40300	0.40300	0.132
05.02.18	31.07.18	413.13	409.00	0.40900	0.40900	0.133
01.08.18	03.02.19	416.16	412.00	0.41200	0.41200	0.134
04.02.19	04.08.19	420.20	416.00	0.41600	0.41600	0.136
05.08.19	02.02.20	422.22	418.00	0.41800	0.41800	0.137
03.02.20	02.08.20	427.27	423.00	0.42300	0.42300	0.138
03.08.20	now	427.27	423.00	0.42300	0.42300	0.138

Product specifications

	Automotive diesel	Premium unleaded (95 RON) gasoline	Regular unleaded gasoline	Automotive LPG	Natural gas
Quality	Automotive diesel oil (ADO)	Premium unleaded petrol (PULP)	Unleaded petrol (ULP)	LPG	
Octane number		95 RON	91 RON		
Density (kg/l)				0.55	
Sulphur content (%)					
GCV (kcal/m ³)					9 506

AUSTRIA**Table 1 - Average prices and taxes in euros**

Low sulphur fuel oil for industry (per tonne)					Heavy fuel oil for electricity generation (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	283.68	67.70	-	67.70	351.38	144.04	7.70	-	7.70	151.74
2010	386.12	67.70	-	67.70	453.82	271.95	7.70	-	7.70	279.65
2011	504.20	67.70	-	67.70	571.90	320.06	7.70	-	7.70	327.76
2012	573.75	67.70	-	67.70	641.45	493.10	7.70	-	7.70	500.80
2013	511.77	67.70	-	67.70	579.47	251.13	7.70	-	7.70	258.83
2014	472.79	67.70	-	67.70	540.49	340.29	7.70	-	7.70	347.99
2015	284.88	67.70	-	67.70	352.58	323.36	7.70	-	7.70	331.06
2016	238.71	67.70	-	67.70	306.41	159.50	7.70	-	7.70	167.20
2017	321.04	67.70	-	67.70	388.74	120.04	7.70	-	7.70	127.74
2018	386.44	67.70	-	67.70	454.14	246.08	7.70	-	7.70	253.78
2019	385.50	67.70	-	67.70	453.20	238.06	7.70	-	7.70	245.76
3Q2019	371.78	67.70	-	67.70	439.48	243.02	7.70	-	7.70	250.72
4Q2019	392.18	67.70	-	67.70	459.88	231.79	7.70	-	7.70	239.49
1Q2020	400.37	67.70	-	67.70	468.07	207.14	7.70	-	7.70	214.84
2Q2020	237.87	67.70	-	67.70	305.57	166.11	7.70	-	7.70	173.81
3Q2020	272.73	67.70	-	67.70	340.43	173.07	7.70	-	7.70	180.77
Light fuel oil for industry (per 1000 litres)					Light fuel oil for households (per 1000 litres)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	318.19	109.05	-	109.05	427.24	407.38	109.05	103.29	212.34	619.72
2010	476.39	109.12	-	109.12	585.51	517.28	109.12	125.28	234.40	751.68
2011	533.94	109.18	-	109.18	643.12	658.95	109.18	153.63	262.81	921.75
2012	570.86	109.18	-	109.18	680.04	724.02	109.18	166.64	275.82	999.84
2013	506.97	109.18	-	109.18	616.15	679.89	109.18	157.82	267.00	946.88
2014	510.02	109.18	-	109.18	619.20	634.02	109.18	148.64	257.82	891.84
2015	477.28	109.18	-	109.18	586.46	485.54	109.18	118.94	228.12	713.67
2016	408.74	109.18	-	109.18	517.92	400.74	109.18	101.98	211.16	611.91
2017	408.43	109.18	-	109.18	517.61	462.54	109.18	114.34	223.52	686.06
2018	462.54	109.18	-	109.18	571.72	562.09	109.18	134.25	243.43	805.52
2019	449.60	109.18	-	109.18	558.78	550.65	109.18	131.97	241.15	791.80
3Q2019	450.25	109.18	-	109.18	559.43	550.23	109.18	131.88	241.06	791.30
4Q2019	448.11	109.18	-	109.18	557.29	546.88	109.18	131.21	240.39	787.28
1Q2020	367.34	109.18	-	109.18	476.52	485.24	109.18	118.88	228.06	713.30
2Q2020	184.77	109.18	-	109.18	293.95	387.09	109.18	99.25	208.43	595.52
3Q2020	249.00	109.18	-	109.18	358.18	383.81	109.18	98.60	207.78	591.59
Automotive diesel for commercial use (per litre)					Automotive diesel for non-commercial use (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.257	0.386	-	0.386	0.643	0.425	0.386	0.162	0.548	0.973
2010	0.449	0.386	-	0.386	0.835	0.535	0.386	0.184	0.570	1.106
2011	0.483	0.436	-	0.436	0.919	0.672	0.436	0.222	0.658	1.330
2012	0.538	0.437	-	0.437	0.975	0.738	0.437	0.235	0.672	1.410
2013	0.566	0.422	-	0.422	0.987	0.709	0.422	0.226	0.648	1.357
2014	0.540	0.410	-	0.410	0.950	0.673	0.410	0.217	0.626	1.300
2015	0.501	0.410	-	0.410	0.911	0.524	0.410	0.187	0.596	1.121
2016	0.440	0.410	-	0.410	0.849	0.449	0.410	0.172	0.581	1.030
2017	0.447	0.410	-	0.410	0.857	0.512	0.410	0.184	0.594	1.106
2018	0.497	0.410	-	0.410	0.907	0.611	0.410	0.204	0.614	1.224
2019	0.514	0.410	-	0.410	0.924	0.595	0.410	0.201	0.611	1.206
3Q2019	0.519	0.410	-	0.410	0.929	0.588	0.410	0.199	0.609	1.197
4Q2019	0.519	0.410	-	0.410	0.929	0.595	0.410	0.201	0.610	1.205
1Q2020	0.451	0.410	-	0.410	0.861	0.550	0.410	0.192	0.602	1.152
2Q2020	0.269	0.410	-	0.410	0.679	0.428	0.410	0.167	0.577	1.005
3Q2020	0.320	0.410	-	0.410	0.730	0.447	0.405	0.170	0.575	1.022

AUSTRIA**Table 2 - Average prices and taxes in euros**

Premium unleaded (98 RON) gasoline (per litre)					Premium unleaded (95 RON) gasoline (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.510	0.485	0.199	0.684	1.194	0.386	0.485	0.174	0.659	1.045
2010	0.622	0.485	0.221	0.706	1.328	0.505	0.485	0.198	0.683	1.189
2011	0.732	0.525	0.252	0.777	1.509	0.607	0.525	0.226	0.752	1.358
2012	0.814	0.526	0.268	0.794	1.608	0.682	0.526	0.242	0.767	1.449
2013	0.778	0.508	0.257	0.765	1.542	0.652	0.508	0.232	0.739	1.391
2014	0.751	0.493	0.249	0.742	1.493	0.630	0.493	0.225	0.718	1.348
2015	0.626	0.493	0.224	0.717	1.343	0.507	0.493	0.200	0.693	1.201
2016	0.555	0.493	0.210	0.703	1.258	0.432	0.493	0.185	0.679	1.111
2017	0.614	0.493	0.222	0.715	1.329	0.488	0.493	0.196	0.690	1.178
2018	0.688	0.493	0.236	0.730	1.417	0.561	0.493	0.211	0.704	1.265
2019	0.669	0.493	0.233	0.726	1.395	0.538	0.493	0.206	0.700	1.238
3Q2019	0.684	0.493	0.236	0.729	1.413	0.551	0.493	0.209	0.702	1.254
4Q2019	0.670	0.493	0.233	0.726	1.396	0.539	0.493	0.206	0.700	1.238
1Q2020	0.619	0.493	0.222	0.716	1.335	0.490	0.493	0.197	0.690	1.180
2Q2020	0.498	0.493	0.198	0.692	1.190	0.363	0.493	0.171	0.665	1.028
3Q2020	0.524	0.489	0.203	0.692	1.216	0.387	0.489	0.175	0.664	1.051
Regular unleaded (91 RON) gasoline (per litre)					Natural gas for industry (per megawatt hour GCV)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.384	0.485	0.174	0.658	1.043
2010	0.505	0.485	0.198	0.683	1.187
2011	0.606	0.525	0.226	0.752	1.358
2012	0.681	0.526	0.241	0.767	1.448	30.91	6.35	-	6.35	37.26
2013	0.650	0.508	0.232	0.739	1.389	30.25	6.54	-	6.54	36.79
2014	0.628	0.493	0.224	0.718	1.346	27.19	7.42	-	7.42	34.61
2015	0.505	0.493	0.200	0.693	1.198	28.76	9.06	-	9.06	37.82
2016	0.430	0.493	0.185	0.678	1.108	26.55	8.19	-	8.19	34.74
2017	0.485	0.493	0.196	0.689	1.174	24.37	5.73	-	5.73	30.10
2018	0.560	0.493	0.211	0.704	1.264	26.04	5.83	-	5.83	31.87
2019	0.537	0.493	0.206	0.699	1.237	22.38	5.77	-	5.77	28.15
3Q2019	0.551	0.493	0.209	0.702	1.253	21.33	5.80	-	5.80	27.12
4Q2019	0.538	0.493	0.206	0.700	1.238	21.33	5.80	-	5.80	27.12
1Q2020	0.488	0.493	0.196	0.690	1.178	21.33	5.80	-	5.80	27.12
2Q2020	0.363	0.493	0.171	0.665	1.027	21.33	5.80	-	5.80	27.12
3Q2020	0.385	0.489	0.175	0.664	1.050	21.33	5.80	-	5.80	27.12
Natural gas for electricity generation (per megawatt hour GCV)					Natural gas for households (per megawatt hour GCV)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	47.79	5.96	10.75	16.71	64.50
2010	43.54	6.64	10.04	16.68	60.23
2011	48.70	6.57	11.10	17.67	66.37
2012	54.24	6.90	12.24	19.14	73.38
2013	55.33	6.91	12.45	19.36	74.69
2014	54.00	6.84	12.17	19.01	73.01
2015	52.16	6.88	11.81	18.69	70.85
2016	49.39	6.84	11.25	18.09	67.48
2017	20.60	5.81	-	5.81	26.41	51.07	6.96	11.61	18.57	69.64
2018	25.50	5.83	-	5.83	31.33	51.34	6.98	11.66	18.64	69.98
2019	19.06	5.82	-	5.82	24.88	50.29	6.93	11.44	18.38	68.67
3Q2019	16.02	5.82	-	5.82	21.84	50.90	6.93	11.57	18.50	69.40
4Q2019	16.02	5.82	-	5.82	21.84	50.90	6.93	11.57	18.50	69.40
1Q2020	16.02	5.82	-	5.82	21.84	50.90	6.93	11.57	18.50	69.40
2Q2020	16.02	5.82	-	5.82	21.84	50.90	6.93	11.57	18.50	69.40
3Q2020	16.02	5.82	-	5.82	21.84	50.90	6.93	11.57	18.50	69.40

AUSTRIA**Table 3 - Average prices and taxes in euros**

Steam coal for industry (per tonne)					Steam coal for electricity generation (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	122.62	50.00	-	50.00	172.62	96.07	-	-	-	96.07
2010	105.14	50.00	-	50.00	155.14	82.37	-	-	-	82.37
2011	124.61	50.00	-	50.00	174.61	91.96	-	-	-	91.96
2012	142.83	50.00	-	50.00	192.83	100.47	-	-	-	100.47
2013	118.54	50.00	-	50.00	168.54	103.82	-	-	-	103.82
2014	105.09	50.00	-	50.00	155.09	84.85	-	-	-	84.85
2015	99.62	50.00	-	50.00	149.62	88.83	-	-	-	88.83
2016	137.08	50.00	-	50.00	187.08	87.81	-	-	-	87.81
2017	103.15	50.00	-	50.00	153.15	86.37	-	-	-	86.37
2018	177.00	50.00	-	50.00	227.00	105.79	-	-	-	105.79
2019	136.99	50.00	-	50.00	186.99	81.88	-	-	-	81.88
3Q2019	131.71	50.00	-	50.00	181.71	78.72	-	-	-	78.72
4Q2019	127.35	50.00	-	50.00	177.35	76.12	-	-	-	76.12
1Q2020	125.08	50.00	-	50.00	175.08	74.76	-	-	-	74.76
2Q2020	125.30	50.00	-	50.00	175.30	74.89	-	-	-	74.89
3Q2020	121.25	50.00	-	50.00	171.25	72.47	-	-	-	72.47
Steam coal for households (per tonne)					Coking coal for industry (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	x	x	x	x	x	c	c	c	c	c
2010	x	x	x	x	x	c	c	c	c	c
2011	x	x	x	x	x	c	c	c	c	c
2012	x	x	x	x	x	c	c	c	c	c
2013	x	x	x	x	x	c	c	c	c	c
2014	x	x	x	x	x	c	c	c	c	c
2015	x	x	x	x	x	c	c	c	c	c
2016	x	x	x	x	x	c	c	c	c	c
2017	x	x	x	x	x	c	c	c	c	c
2018	x	x	x	x	x	c	c	c	c	c
2019	x	x	x	x	x	c	c	c	c	c
3Q2019	x	x	x	x	x	c	c	c	c	c
4Q2019	x	x	x	x	x	c	c	c	c	c
1Q2020	x	x	x	x	x	c	c	c	c	c
2Q2020	x	x	x	x	x	c	c	c	c	c
3Q2020	x	x	x	x	x	c	c	c	c	c
Electricity for industry (per megawatt hour)					Electricity for households (per megawatt hour)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	132.4	21.0	30.7	51.6	184.0
2010	141.0	21.1	32.4	53.6	194.5
2011	142.8	20.7	32.7	53.3	196.1
2012	88.0	19.4	-	19.4	107.4	142.7	21.9	32.9	54.9	197.6
2013	84.1	22.2	-	22.2	106.3	140.0	30.7	34.1	64.9	204.8
2014	77.3	24.5	-	24.5	101.8	132.4	35.2	33.5	68.7	201.2
2015	70.2	27.7	-	27.7	97.9	126.4	40.1	33.3	73.3	199.7
2016	65.3	30.2	-	30.2	95.5	123.6	44.3	33.6	77.9	201.5
2017	63.5	27.2	-	27.2	90.7	121.3	42.8	32.8	75.6	196.9
2018	68.0	25.4	-	25.4	93.4	122.5	40.1	32.5	72.6	195.1
2019	74.1	23.8	-	23.8	97.9	128.5	36.4	33.0	69.3	197.8
3Q2019	73.6	23.6	-	23.6	97.2	130.5	36.7	33.4	70.2	200.7
4Q2019	73.6	23.6	-	23.6	97.2	130.5	36.7	33.4	70.2	200.7
1Q2020	73.6	23.6	-	23.6	97.2	130.5	36.7	33.4	70.2	200.7
2Q2020	73.6	23.6	-	23.6	97.2	130.5	36.7	33.4	70.2	200.7
3Q2020	73.6	23.6	-	23.6	97.2	130.5	36.7	33.4	70.2	200.7

AUSTRIA**Table 4 - Indices of energy prices**

	Oil products		Electricity		Natural gas		Coal	
	Wholesale	Retail 2015 = 100	Wholesale	Retail 2015 = 100	Wholesale	Retail 2015 = 100	Wholesale	Retail 2015 = 100
1999	..	59.3	..	74.4	..	55.5	..	64.3
2000	..	71.0	..	74.0	..	58.5	..	66.0
2001	..	68.7	..	75.1	..	65.2	..	68.5
2002	..	66.8	..	72.9	..	64.5	..	69.3
2003	..	67.3	..	73.6	..	65.4	..	71.3
2004	..	73.9	..	75.7	..	69.0	..	74.4
2005	..	84.5	..	78.0	..	73.3	..	76.5
2006	..	90.5	..	80.7	..	77.9	..	81.1
2007	..	91.9	..	88.2	..	84.3	..	85.7
2008	..	108.2	..	89.7	..	86.8	..	84.8
2009	..	86.6	..	93.3	..	92.6	..	86.6
2010	..	99.6	..	94.3	..	88.4	..	87.7
2011	..	117.6	..	94.3	..	96.2	..	90.9
2012	..	125.4	..	95.1	..	101.0	..	92.2
2013	..	120.4	..	99.4	..	100.7	..	95.0
2014	..	115.2	..	99.4	..	100.5	..	99.1
2015	..	100.0	..	100.0	..	100.0	..	100.0
2016	..	91.5	..	101.1	..	98.1	..	99.7
2017	..	98.3	..	95.6	..	96.6	..	101.4
2018	..	108.2	..	96.4	..	91.5	..	108.9
2019	..	106.5	..	100.1	..	92.2	..	113.7
3Q2012	..	126.7	..	96.2	..	101.0	..	92.2
4Q2012	..	125.1	..	96.1	..	101.0	..	93.5
1Q2013	..	122.6	..	99.7	..	101.0	..	94.5
2Q2013	..	119.2	..	99.7	..	101.0	..	94.1
3Q2013	..	121.5	..	99.5	..	101.0	..	94.6
4Q2013	..	118.3	..	98.8	..	99.9	..	96.9
1Q2014	..	116.8	..	99.8	..	100.5	..	99.3
2Q2014	..	117.0	..	99.8	..	100.5	..	98.6
3Q2014	..	116.9	..	99.8	..	100.5	..	98.3
4Q2014	..	110.2	..	97.9	..	100.5	..	100.2
1Q2015	..	99.8	..	100.5	..	100.9	..	100.8
2Q2015	..	105.6	..	100.1	..	100.3	..	99.5
3Q2015	..	100.6	..	100.1	..	100.3	..	99.1
4Q2015	..	94.0	..	99.3	..	98.7	..	100.6
1Q2016	..	86.0	..	101.3	..	100.1	..	101.8
2Q2016	..	92.2	..	101.2	..	98.6	..	99.4
3Q2016	..	92.4	..	101.2	..	97.9	..	98.7
4Q2016	..	95.6	..	100.7	..	96.0	..	98.8
1Q2017	..	100.1	..	95.6	..	96.7	..	100.8
2Q2017	..	97.2	..	95.6	..	96.6	..	101.0
3Q2017	..	95.6	..	95.6	..	96.6	..	100.6
4Q2017	..	100.4	..	95.6	..	96.6	..	103.2
1Q2018	..	101.3	..	95.4	..	90.8	..	106.3
2Q2018	..	107.3	..	95.4	..	90.8	..	107.4
3Q2018	..	110.7	..	95.7	..	91.1	..	109.4
4Q2018	..	113.6	..	99.3	..	93.5	..	112.5
1Q2019	..	104.2	..	99.1	..	91.9	..	113.6
2Q2019	..	108.8	..	99.6	..	92.0	..	112.7
3Q2019	..	106.5	..	100.8	..	92.3	..	113.2
4Q2019	..	106.4	..	100.9	..	92.4	..	115.2
1Q2020	..	101.7	..	105.5	..	91.1	..	116.4
2Q2020	..	88.2	..	106.0	..	91.1	..	114.4
3Q2020

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Sources

Data for light fuel oil for households, automotive diesel for non-commercial users and all gasoline grades are provided on a quarterly basis by the **Federal Ministry for Sustainability and Tourism (BMNT)**.

Data for heavy fuel oil for electricity generation, automotive diesel for commercial users, as well as light fuel oil, steam coal, natural gas and electricity for industry are provided on a quarterly basis by **Statistics Austria**.

All data for natural gas and electricity are provided on a quarterly basis by **E-Control** from 3Q2017 onwards.

Prices and taxes data for low sulphur fuel oil are based on weekly data published in the **European Commission's Weekly Oil Bulletin**.

Retail energy price indices are based on data published by **Eurostat**.

Data collection methodology

Oil products

Annual end-use for prices for heavy fuel oil for electricity generation, light fuel oil for industry and automotive diesel for commercial users are calculated by Statistics Austria based on a yearly survey of fuel quantities and expenditures incurred by around 3000 of the biggest industrial companies throughout the country. The survey is estimated to cover around 80% of total sectoral consumption.

End-use prices for these products are calculated as the ratio between total expenditure and total volumes consumed. The ex-tax price is then calculated by subtracting the applicable, legally established tax components from the end-use price.

Quarterly prices are estimated by Statistics Austria using the changes in the quarterly wholesale price index. Data are subsequently revised at the end of the yearly cycle.

Prices for low sulphur fuel oil are derived from data published in the European Commission's *Weekly Oil Bulletin*, which reports weekly ex-tax and end-use prices for a series of oil products in all EU countries.

Quarterly and annual figures are calculated as simple arithmetical averages of the weekly data. Total taxes are calculated as the subtraction of the quarterly and annual

ex-tax from the final prices. Excise taxes for non-commercial users are calculated by subtracting VAT from the calculated VAT figures. For commercial users, excise taxes are equal to the total tax, as they are exempt from VAT.

Prices for light fuel oil for households, automotive diesel for non-commercial users, regular unleaded gasoline and premium unleaded gasoline (98 and 95 RON) are derived from a weekly survey of pump prices, conducted in filling stations throughout the country every Monday by the Austrian Petroleum Industry Association. The prices collected in this survey are then consumption-weighted to produce a weekly national average, which is then used to produce quarterly prices as the simple arithmetical average of the weekly prices.

Prices for high sulphur fuel oil for industry are not applicable, due to limited sectoral consumption levels.

Natural gas

Up until 2Q2017, prices for industry are calculated by Statistics Austria based on a bi-annual survey of delivered quantities and realized revenues (including and excluding taxes). The respondents are natural gas suppliers and grid operators. The survey is estimated to cover around 80% of total sectoral consumption. Quarterly prices within each semester are assumed to be constant.

End-use prices are calculated as the ratio between total expenditure and total volumes consumed. By definition, this methodology includes all consumption bands. The ex-tax price is then calculated by subtracting the applicable, legally established tax components.

Quarterly prices are estimated by Statistics Austria using the changes in the quarterly wholesale price index. Data are subsequently revised at the end of the yearly cycle.

From 3Q2017 onwards, the prices for households and industry are calculated by E-Control on a bi-annual survey of realized prices and an annual survey of quantities. The respondents are all suppliers and network operators. The survey covers at least 95% of the non-household and nearly 100 % of the household consumption. In E-Control's bi-annual survey the prices are broken down by different components. The different taxes and levies are collected separately. The prices and different taxes reported by the suppliers and network operators are weighted with the relative market-share within the consumption band.

The prices for natural gas used for electricity generation (public sector only) are collected by E-Control. The methodology for the calculation is the same as for industry and households.

Steam and coking coal

Prices for steam coal are calculated by Statistics Austria based on a yearly survey of fuel quantities and expenditures incurred by around 3000 of the biggest industrial companies throughout the country. The survey is estimated to cover around 80% of total sectoral consumption.

End-use prices for these products are calculated as the ratio between total expenditure and total volumes consumed. By definition, this methodology includes all consumption bands. The ex-tax price is then calculated by subtracting the applicable, legally established tax components, from the end-use price.

Quarterly prices for these products are estimated by Statistics Austria using the changes in the quarterly wholesale price index. Data are subsequently revised at the end of the yearly cycle.

Prices for steam coal for households are not applicable, due to limited sectoral consumption levels.

Prices for coking coal for industry are confidential as consumption is limited to a single company.

Electricity

Up until 2Q2017, prices for industry are calculated by Statistics Austria based on a bi-annual survey of quantities and realized revenues (including and excluding taxes). The respondents are electricity suppliers and grid operators. The survey is estimated to cover around 80% of total sectoral consumption. The reported prices include all consumption bands. Quarterly prices within each semester are assumed to be constant.

End-use prices are calculated as the ratio between total expenditure and total volumes consumed. By definition, this methodology includes all consumption bands. The ex-tax price is then calculated by subtracting the applicable, legally established tax components, from the end-use price.

Quarterly prices are estimated by Statistics Austria using the changes in the quarterly wholesale price index. Data are subsequently revised at the end of the yearly cycle.

From 3Q2017 onwards, the prices for households and industry are calculated by E-Control on a bi-annual survey of realized prices and an annual survey of quantities. The respondents are all suppliers and network operators. The survey covers at least 95% of the non-household and nearly 100 % of the household consumption. In E-Control's bi-annual survey the prices are broken down by different components. The different taxes and levies are collected separately. The prices and different taxes reported by the suppliers and network operators are weighted with the relative market-share within the consumption band.

Energy price indices

Annual and quarterly indices are 12-month and 3-month averages, respectively, of the Harmonised Indices of Consumer Prices (HICP) produced by Eurostat.

Retail indices for oil products refer to a consumption-weighted average of the *liquid fuels* (cp0453) and *fuels and lubricants for personal transport equipment* (cp0722) series. Relative weights used for the calculations are taken from the associated item weights series (prc_hicp_inw), published by Eurostat.

Retail indices for electricity refer to the *electricity* (cp0451) series.

Retail indices for natural gas refer to the *gas* (cp0452) series.

Retail indices for coal refer to the *solid fuel* (cp0454) series.

Energy taxation

VAT

VAT is refunded for purchases for commercial purposes. Therefore, it is not included in prices shown for industry, electricity generation and automotive fuels for commercial use.

From	To	%
01.01.73	31.12.80	8
01.01.81	31.12.83	13
01.01.84	now	20

Excise tax

Energy taxes are levied in accordance with the 2003 EU Energy Taxation Directive.

The excise taxes in Tables 1, 2 and 3 are the sum of all non-VAT tax components applicable to each product.

In the case of oil products, the excise tax consists of the mineral oil tax plus the emergency stock fee.

Tax applicability table (not exhaustive)

	HSFO	SFO	LFO	Diesel	Gasoline	LPG	Natural gas	Steam coal	Coking coal	Electricity
Mineral oil tax	x	x	x	x	x	x				
Natural gas tax							x			
Coal tax								x		
Electricity tax										x

Mineral oil tax (*Mineralölsteuer*)

Excise taxation on oil products is legally defined, in its current form, in the Mineral Oil Tax Law of 1995 and its amendments.

Under the Mineral Oil Tax Law of 1995, oil products (mineral oils) used for heating or as propellants are subject to a mineral oil tax. Heavy fuel oil used for electricity generation is exempt.

Emergency Stock Fee (*Pflichtnotstandsreservenabgabe*)

The Emergency Stock Fee is not a tax imposed by the state. These are the costs reported by the companies which are obliged to hold stocks to the Austrian Federal Association of the Oil Industry and the Austrian Federal Association of Energy Dealers. The costs are the prices agreed upon for transferring the stockholding obligations to a counterparty or to the Austrian Central Stockholding Entity (*Erdöllagergesellschaft mbH*). Based on these values, the two associations calculate weighted average values and in turn report them to the Federal Ministry for Sustainability and Tourism. The only legal element in this context is an upper limit to the tariff which the Austrian Central Stockholding Entity (*Erdöllagergesellschaft mbH*) is entitled to charge for taking over stockholding obligations.

Natural gas tax (*Erdgasabgabe*)

The natural gas tax system is legally defined in the Natural Gas Tax Law, which came into force on 1 April 1996. Natural gas is taxed throughout the country, with the exception of Jungholz (Tyrol) and Mittelberg (Vorarlberg).

Natural gas used for electricity generation and for non-energy uses is exempted from this tax. Several industrial sectors benefit from lower tax rates.

Tax rates are expressed in EUR/m³. The tax rate table at the end of this section was converted to MWh GCV using the annual calorific value.

Coal tax (*Kohleabgabe*)

The coal tax system is legally defined in the Coal Tax Law, which came into force on 20 August 2003. Coal is taxed throughout the country, with the exception of Jungholz (Tyrol) and Mittelberg (Vorarlberg).

Coking coal and steam coal used for electricity generation are exempted from this tax.

Since its introduction in 2003, the tax rate has been kept constant at 50 EUR/tonne.

Electricity tax (*Elektrizitätsabgabe*)

The electricity tax system currently in place in Austria is legally defined in the Electricity Tax Law, which came into force on 1 April 1996. Electricity is taxed throughout the country, with the exception of Jungholz (Tyrol) and Mittelberg (Vorarlberg).

In addition to this tax, electricity consumption is subject to a number of other smaller levies, including local taxes, renewables and CHP surcharges which are not included in the tax rates shown in the tables at the end of this section.

Mineral oil tax (*Mineralölsteuer*)

From	To	Heavy fuel oil (EUR/tonne)	Light fuel oil (EUR/1000l)	Automotive diesel (EUR/l)	Gasoline (EUR/l)
01.01.92	31.12.93	14.5	47.0	0.220	0.291
01.01.94	30.04.95	14.5	47.0	0.220	0.328
01.05.95	31.12.01	36.3	69.0	0.283	0.408
01.01.02	31.12.03	36.0	69.0	0.282	0.407
01.01.04	30.09.05	60.0	98.0	0.302	0.417
01.10.05	30.06.07	60.0	98.0	0.325	0.417
01.07.07	31.12.10	60.0	98.0	0.375	0.475
01.01.11	31.05.13	60.0	98.0	0.425	0.515
01.06.13	now	60.0	98.0	0.397	0.482

Emergency stock fee (*Pflichtnotstandsreservenabgabe*)

From	To	Heavy fuel oil (EUR/tonne)	Light fuel oil (EUR/1000l)	Automotive diesel (EUR/1000l)	Gasoline* (EUR/1000l)
01.07.97	30.03.98		7.1		
01.04.98	31.10.98		6.7		
01.11.98	30.03.99		6.7	6.7	6.5
01.04.99	30.03.00		6.5	6.5	6.3
01.04.00	30.03.01		7.1	7.1	6.7
01.04.01	31.12.01		7.1	7.6	7.2
01.01.02	31.03.02		7.6	7.6	7.2
01.04.02	31.03.03		7.2	7.2	6.9
01.04.03	31.12.03		8.1	8.1	7.7
01.01.04	31.03.05	7.7	8.1	8.1	7.7
01.04.05	31.03.06	7.7	9.0	9.0	8.1
01.04.06	31.03.07	7.7	10.3	10.3	9.6
01.04.07	31.03.08	7.7	10.3	10.3	9.1
01.04.08	31.03.09	7.7	11.4	11.4	10.3
01.04.09	31.03.10	7.7	10.9	10.9	9.7
01.04.10	31.03.11	7.7	11.2	11.2	10.1
01.04.11	31.03.12	7.7	11.2	11.5	10.4
01.04.12	31.03.13	7.7	11.2	11.9	10.7
01.04.13	31.03.14	7.7	11.2	12.4	11.2
01.04.14	now	7.7	11.2	12.6	11.4

*Eurosuper (95 RON)

Natural gas tax (*Erdgasabgabe*)

From	To	Natural gas (EUR/MWh)
01.07.96	31.12.01	4.206
01.01.02	31.12.03	4.528
01.01.04	31.12.12	5.898
01.01.13	31.12.13	5.893
01.01.14	31.12.14	5.872
01.01.15	31.12.15	5.861
01.01.16	31.12.16	5.836
01.01.17	now	5.841

Electricity tax (*Elektrizitätsabgabe*)

From	To	Electricity (EUR/MWh)
01.07.96	31.05.00	7.3
01.06.00	now	15.0

Product specifications

Oil products

	High sulphur fuel oil	Low sulphur fuel oil	Light fuel oil industry	Light fuel oil households	Automotive diesel
Quality	Heizöl schwer	Heizöl mittel	Heizöl extraleicht	Heizöl extraleicht	
Density (kg/l)		1	0.84	0.84	0.84
Sulphur content (%)	<1	<0.4	0.2	0.1	<0.001

	Premium unleaded (98 RON) gasoline	Premium unleaded (95 RON) gasoline	Regular unleaded gasoline
Quality	Super Plus 98	Euro Super 95	
Octane number	98 RON	95 RON	91 RON
Density (kg/l)	0.75	0.75	0.75
Sulphur content (%)	<0.001	<0.001	<0.001
Lead content (g/l)	0.013	0.013	0.013

Natural gas

	Natural gas
GCV (kcal/m ³)	9 716

BELGIUM**Table 1 - Average prices and taxes in euros**

Low sulphur fuel oil for industry (per tonne)					High sulphur fuel oil for industry (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	286.74	15.00	-	15.00	301.74	x	x	x	x	x
2010	389.49	15.00	-	15.00	404.49	x	x	x	x	x
2011	502.35	15.00	-	15.00	517.35	x	x	x	x	x
2012	568.98	15.00	-	15.00	583.98	x	x	x	x	x
2013	507.60	15.00	-	15.00	522.60	x	x	x	x	x
2014	466.71	15.00	-	15.00	481.71	x	x	x	x	x
2015	273.53	16.24	-	16.24	289.77	x	x	x	x	x
2016	231.60	16.35	-	16.35	247.95	x	x	x	x	x
2017	315.02	16.35	-	16.35	331.37	x	x	x	x	x
2018	380.52	16.35	-	16.35	396.86	x	x	x	x	x
2019	385.42	16.35	-	16.35	401.77	x	x	x	x	x
3Q2019	381.77	16.35	-	16.35	398.12	x	x	x	x	x
4Q2019	393.12	16.35	-	16.35	409.47	x	x	x	x	x
1Q2020	353.82	16.35	-	16.35	370.17	x	x	x	x	x
2Q2020	201.87	16.35	-	16.35	218.22	x	x	x	x	x
3Q2020	x	x	x	x	x
Light fuel oil for industry (per 1000 litres)					Light fuel oil for households (per 1000 litres)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	391.82	18.49	-	18.49	410.31	391.82	18.49	86.17	104.66	496.47
2010	505.59	18.49	-	18.49	524.08	505.59	18.49	110.06	128.55	634.14
2011	652.62	18.49	-	18.49	671.11	652.64	18.49	140.94	159.43	812.07
2012	719.80	18.49	-	18.49	738.25	719.80	18.49	155.04	173.53	893.33
2013	678.71	18.49	-	18.49	697.20	678.71	18.49	146.40	164.89	843.60
2014	626.86	18.49	-	18.49	645.35	626.86	18.49	135.54	154.03	780.89
2015	456.74	18.54	-	18.54	475.27	456.74	18.54	99.81	118.34	575.08
2016	380.30	18.65	-	18.65	398.95	380.30	18.65	83.77	102.42	482.72
2017	449.49	18.65	-	18.65	468.14	449.49	18.65	98.31	116.97	566.45
2018	541.71	18.65	-	18.65	560.36	541.71	18.65	117.68	136.33	678.04
2019	536.43	18.65	-	18.65	555.08	536.43	18.65	116.57	135.22	671.65
3Q2019	531.13	18.65	-	18.65	549.79	531.13	18.65	115.46	134.11	665.24
4Q2019	539.35	18.65	-	18.65	558.01	539.35	18.65	117.18	135.83	675.19
1Q2020	458.45	18.65	-	18.65	477.10	458.45	18.65	100.20	118.85	577.30
2Q2020	303.74	18.65	-	18.65	322.39	303.74	18.65	67.70	86.35	390.09
3Q2020
Automotive diesel for commercial use (per litre)					Automotive diesel for non-commercial use (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.495	0.349	-	0.349	0.844	0.495	0.349	0.177	0.526	1.021
2010	0.607	0.386	-	0.386	0.993	0.607	0.386	0.209	0.595	1.202
2011	0.766	0.424	-	0.424	1.190	0.766	0.424	0.250	0.674	1.440
2012	0.838	0.428	-	0.428	1.266	0.838	0.428	0.266	0.694	1.532
2013	0.792	0.428	-	0.428	1.220	0.792	0.428	0.256	0.684	1.476
2014	0.742	0.428	-	0.428	1.170	0.742	0.428	0.246	0.673	1.416
2015	0.579	0.432	-	0.432	1.011	0.579	0.432	0.212	0.644	1.224
2016	0.506	0.475	-	0.475	0.981	0.506	0.475	0.206	0.681	1.187
2017	0.571	0.526	-	0.526	1.097	0.571	0.526	0.230	0.757	1.328
2018	0.663	0.580	-	0.580	1.243	0.663	0.580	0.261	0.841	1.504
2019	0.657	0.600	-	0.600	1.257	0.657	0.600	0.264	0.864	1.522
3Q2019	0.649	0.600	-	0.600	1.249	0.649	0.600	0.262	0.862	1.511
4Q2019	0.663	0.600	-	0.600	1.264	0.663	0.600	0.265	0.865	1.529
1Q2020	0.617	0.600	-	0.600	1.217	0.617	0.600	0.256	0.856	1.473
2Q2020	0.465	0.600	-	0.600	1.065	0.465	0.600	0.224	0.824	1.289
3Q2020

BELGIUM**Table 2 - Average prices and taxes in euros**

Premium unleaded (98 RON) gasoline (per litre)					Premium unleaded (95 RON) gasoline (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.498	0.607	0.232	0.839	1.337	0.480	0.607	0.228	0.835	1.316
2010	0.610	0.614	0.257	0.871	1.480	0.589	0.614	0.253	0.866	1.456
2011	0.736	0.614	0.283	0.897	1.633	0.713	0.614	0.279	0.892	1.605
2012	0.824	0.614	0.302	0.916	1.740	0.798	0.614	0.296	0.910	1.708
2013	0.796	0.614	0.296	0.910	1.706	0.751	0.614	0.287	0.900	1.651
2014	0.745	0.614	0.285	0.899	1.644	0.705	0.614	0.277	0.891	1.596
2015	0.623	0.614	0.260	0.874	1.497	0.568	0.614	0.248	0.862	1.430
2016	0.543	0.615	0.243	0.859	1.402	0.490	0.615	0.232	0.847	1.337
2017	0.619	0.609	0.258	0.867	1.486	0.568	0.609	0.247	0.856	1.424
2018	0.674	0.608	0.269	0.877	1.551	0.614	0.608	0.257	0.865	1.478
2019	0.665	0.600	0.266	0.866	1.531	0.617	0.600	0.256	0.856	1.473
3Q2019	0.662	0.600	0.265	0.865	1.528	0.628	0.600	0.258	0.858	1.486
4Q2019	0.667	0.600	0.266	0.866	1.534	0.618	0.600	0.256	0.856	1.474
1Q2020	0.638	0.600	0.260	0.860	1.498	0.567	0.600	0.245	0.845	1.412
2Q2020	0.496	0.600	0.230	0.830	1.326	0.437	0.600	0.218	0.818	1.255
3Q2020
Automotive LPG for non-commercial use (per litre)					Natural gas for industry (per megawatt hour GCV)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.382	-	0.080	0.080	0.463	30.16	2.15	-	2.15	32.31
2010	0.487	-	0.102	0.102	0.589	29.12	1.26	-	1.26	30.38
2011	0.546	-	0.115	0.115	0.661	33.78	1.18	-	1.18	34.96
2012	0.594	-	0.125	0.125	0.718	35.13	1.37	-	1.37	36.50
2013	0.556	-	0.117	0.117	0.672	36.51	1.41	-	1.41	37.92
2014	0.493	-	0.104	0.104	0.596	28.45	1.28	-	1.28	29.73
2015	0.375	-	0.079	0.079	0.453	27.97	1.36	-	1.36	29.33
2016	0.339	-	0.071	0.071	0.411	23.18	1.29	-	1.29	24.47
2017	0.406	-	0.085	0.085	0.491	23.25	1.11	-	1.11	24.36
2018	0.453	-	0.095	0.095	0.548	25.50	1.30	-	1.30	26.81
2019	0.422	-	0.089	0.089	0.510	21.85	1.34	-	1.34	23.19
3Q2019	0.384	-	0.081	0.081	0.465	20.93	1.12	-	1.12	22.05
4Q2019	0.440	-	0.093	0.093	0.533	20.93	1.12	-	1.12	22.05
1Q2020	0.428	-	0.090	0.090	0.517
2Q2020	0.336	-	0.071	0.071	0.407
3Q2020
Natural gas for electricity generation (per megawatt hour GCV)					Natural gas for households (per megawatt hour GCV)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	c	c	c	c	c	45.16	1.44	9.79	11.23	56.39
2010	c	c	c	c	c	45.12	1.95	9.88	11.83	56.95
2011	c	c	c	c	c	54.99	1.83	11.93	13.76	68.75
2012	c	c	c	c	c	57.03	2.30	12.46	14.76	71.79
2013	c	c	c	c	c	52.78	2.60	11.63	14.23	67.01
2014	c	c	c	c	c	51.39	3.38	11.50	14.88	66.27
2015	c	c	c	c	c	48.37	3.31	10.85	14.16	62.53
2016	c	c	c	c	c	41.72	3.68	9.53	13.21	54.93
2017	c	c	c	c	c	43.14	1.88	9.47	11.35	54.49
2018	c	c	c	c	c	46.62	1.90	10.14	12.03	58.66
2019	c	c	c	c	c	44.83	2.10	10.19	12.29	57.12
3Q2019	c	c	c	c	c	46.24	2.06	9.98	12.04	58.28
4Q2019	c	c	c	c	c	46.24	2.06	9.98	12.04	58.28
1Q2020	c	c	c	c	c
2Q2020	c	c	c	c	c
3Q2020	c	c	c	c	c

BELGIUM**Table 3 - Average prices and taxes in euros**

Steam coal for industry (per tonne)						Steam coal for electricity generation (per tonne)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	55.31	-	-	-	55.31
2010
2011
2012	147.25	-	-	-	147.25
2013	106.55	-	-	-	106.55
2014	91.52	-	-	-	91.52
2015	83.79	-	-	-	83.79
2016	79.69	-	-	-	79.69	x	x	x	x	x
2017	124.67	-	-	-	124.67	x	x	x	x	x
2018	120.50	-	-	-	120.50	x	x	x	x	x
2019	112.91	-	-	-	112.91	x	x	x	x	x
3Q2019	x	x	x	x	x
4Q2019	x	x	x	x	x
1Q2020	x	x	x	x	x
2Q2020	x	x	x	x	x
3Q2020	x	x	x	x	x
Steam coal for households (per tonne)						Coking coal for industry (per tonne)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	344.57	-	41.35	41.35	385.92
2010	347.13	-	41.66	41.66	388.78
2011	360.91	-	43.31	43.31	404.22
2012	380.36	-	45.64	45.64	426.01	204.61	-	-	-	204.61
2013	388.53	-	46.62	46.62	435.15	143.60	-	-	-	143.60
2014	x	x	x	x	x	118.01	-	-	-	118.01
2015	x	x	x	x	x	106.70	-	-	-	106.70
2016	x	x	x	x	x	105.73	-	-	-	105.73
2017	x	x	x	x	x	218.17	-	-	-	218.17
2018	x	x	x	x	x	197.07	-	-	-	197.07
2019	x	x	x	x	x	191.76	-	-	-	191.76
3Q2019	x	x	x	x	x
4Q2019	x	x	x	x	x
1Q2020	x	x	x	x	x
2Q2020	x	x	x	x	x
3Q2020	x	x	x	x	x
Electricity for industry (per megawatt hour)						Electricity for households (per megawatt hour)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	100.9	9.2	-	9.2	110.0	132.4	15.1	31.0	46.1	178.4
2010	95.5	11.3	-	11.3	106.9	136.5	17.1	32.3	49.4	185.9
2011	102.4	12.7	-	12.7	115.1	150.4	18.0	35.4	53.3	203.7
2012	103.5	12.6	-	12.6	116.1	159.5	15.4	36.7	52.1	211.6
2013	98.5	15.6	-	15.6	114.1	155.8	18.7	36.7	55.4	211.2
2014	97.4	16.6	-	16.6	114.0	161.5	19.0	16.9	35.9	197.4
2015	94.9	17.8	-	17.8	112.7	175.7	19.9	20.3	40.1	215.8
2016	94.0	24.2	-	24.2	118.2	169.1	49.2	45.9	95.1	264.2
2017	90.1	30.8	-	30.8	120.9	181.7	54.2	47.8	102.1	283.7
2018	86.4	29.3	-	29.3	115.7	191.1	40.2	47.2	87.4	278.5
2019	90.5	30.0	-	30.0	120.5	193.8	40.3	48.3	88.7	282.5
3Q2019	90.3	30.1	-	30.1	120.4	193.5	41.7	48.5	90.2	283.7
4Q2019	90.3	30.1	-	30.1	120.4	193.5	41.7	48.5	90.2	283.7
1Q2020
2Q2020
3Q2020

BELGIUM**Table 4 - Indices of energy prices**

	Oil products		Electricity		Natural gas		Coal	
	Wholesale 2010 = 100	Retail 2013=100	Wholesale 2010 = 100	Retail 2013=100	Wholesale 2010 = 100	Retail 2013=100	Wholesale 2010 = 100	Retail 2013 = 100
1999	31.5	43.9	..	71.6	..	46.9	26.7	72.5
2000	54.5	56.7	..	70.3	..	52.0	26.9	72.9
2001	52.0	54.3	76.4	71.9	72.1	63.9	33.6	73.9
2002	51.7	52.0	80.5	71.4	68.4	60.2	27.6	74.8
2003	47.8	53.0	80.5	69.3	68.5	60.2	29.1	75.5
2004	57.4	59.0	87.4	70.7	67.8	59.3	55.0	77.2
2005	70.7	70.5	90.8	70.5	73.7	64.6	48.1	79.7
2006	82.4	75.3	96.6	72.5	83.9	74.8	50.7	81.1
2007	84.6	76.0	95.7	75.8	79.6	69.3	66.6	82.6
2008	101.8	88.1	112.4	88.3	113.1	95.5	129.9	85.8
2009	80.7	69.7	95.7	84.9	104.7	86.5	72.4	89.8
2010	100.0	82.1	100.0	88.4	100.0	84.5	100.0	90.6
2011	119.7	97.3	111.9	98.9	118.9	101.2	123.5	93.0
2012	130.4	104.6	117.1	100.8	128.6	109.4	98.6	96.6
2013	120.8	100.0	125.4	100.0	118.0	100.0	86.5	100.0
2014	113.1	95.1	107.3	89.9	110.5	94.3	..	100.7
2015	87.2	79.0	115.5	100.6	104.7	89.5	..	101.1
2016	79.5	72.0	120.9	129.0	88.3	78.8	..	99.7
2017	95.0	81.4	137.9	139.2	95.3	81.9	..	99.2
2018	111.5	91.4	154.2	142.3	109.0	89.5	..	100.4
2019	114.0	90.7	164.0	144.6	95.2	84.1	..	102.8
3Q2012	131.8	105.2	114.0	99.8	128.1	109.1	91.9	96.5
4Q2012	127.8	104.2	124.6	100.7	127.3	108.0	89.5	98.1
1Q2013	124.5	102.5	133.3	101.4	120.9	102.7	93.7	98.6
2Q2013	118.3	98.5	131.8	100.5	117.6	100.0	87.1	99.7
3Q2013	121.6	100.9	121.5	98.9	116.0	98.5	79.0	100.4
4Q2013	118.8	98.1	114.8	99.1	117.3	98.8	86.1	101.3
1Q2014	117.6	97.1	112.9	99.9	119.4	99.8	80.4	100.5
2Q2014	117.3	96.7	102.6	85.7	110.2	94.7	75.9	100.7
3Q2014	115.9	97.3	102.1	86.2	99.7	88.6	70.8	100.9
4Q2014	101.6	89.4	111.7	87.9	112.9	94.1	65.9	100.8
1Q2015	88.8	78.9	112.5	92.0	108.4	91.2	66.1	101.0
2Q2015	96.1	84.4	109.7	91.9	105.1	89.4	61.9	101.5
3Q2015	85.7	79.1	115.8	103.0	104.0	90.1	..	101.4
4Q2015	78.2	73.6	123.8	115.4	101.2	87.4	..	100.5
1Q2016	68.0	65.9	115.2	119.1	92.8	81.4	..	99.6
2Q2016	78.0	71.8	111.6	129.1	82.4	76.3	..	99.9
3Q2016	81.8	73.1	116.2	133.0	89.3	78.9	..	99.9
4Q2016	90.0	77.4	140.6	134.9	88.9	78.6	..	99.5
1Q2017	97.2	82.9	141.9	139.3	97.5	82.8	..	99.2
2Q2017	92.4	80.0	129.1	137.9	94.3	81.9	..	99.1
3Q2017	91.2	79.1	129.0	138.2	91.5	80.1	..	99.5
4Q2017	99.3	83.7	151.7	141.4	97.8	82.7	..	99.1
1Q2018	100.9	85.1	144.5	137.1	104.1	85.7	..	99.8
2Q2018	110.9	90.8	141.6	136.3	98.4	85.5	..	100.2
3Q2018	116.7	94.6	152.2	142.2	108.7	89.9	..	100.7
4Q2018	117.3	95.0	178.5	153.5	124.9	96.8	..	100.9
1Q2019	111.4	88.9	170.9	148.9	114.5	91.2	..	101.6
2Q2019	116.6	92.8	155.1	143.7	95.4	84.6	..	102.1
3Q2019	112.6	90.1	154.5	142.4	83.7	80.0	..	103.0
4Q2019	115.4	91.1	175.3	143.5	87.1	80.6	..	104.4
1Q2020	108.7	87.0	166.7	138.1	83.5	76.6	..	105.1
2Q2020	83.6	71.2	148.2	132.6	68.7	70.5	..	105.9
3Q2020

BELGIUM

Sources

Prices and taxes data for all energy products as well as energy price indices, are provided on a quarterly basis by the **Federal Public Service for Economy, Small and medium-sized enterprises, Self-Employed and Energy (FPS Economy)**

Data collection methodology

Oil products

Oil product prices in Belgium are subject to maximum pump prices, calculated by the FPS Economy on a daily basis. Actual prices levels in the country are close to these maxima. In 2015, retail prices for transport fuels were, on average, 0.07 EUR/l below the maxima.

Ex-tax prices reported in the publication are based on these maximum prices for gasoline, diesel, LPG, LFO and heavy fuel oils. Ex-tax prices include the ex-refinery price, profit margins, stockholding fees and mandatory contributions to the social heating fund and to the fund for soil remediation of filling stations (BOFAS fee).

The applicable excise fees, as well as VAT for non-commercial consumers, are then added to the ex-tax prices to obtain final end-use prices.

Natural gas

Prices refer to the Eurostat consumption bands D1, D2 and D3 for households; and bands I1, I2, I3, I4 and I5, for industry, covering the whole consumption spectrum. From 1Q2014 onwards, prices also include band I6.

National average prices are computed by the FPS Economy as consumption-weighted averages of the average prices per band published by Eurostat. The weights used for this calculation are bi-annual consumption figures per band collected through surveys.

Eurostat data are bi-annual, therefore, prices for 1Q and 2Q are the same, as are those for 3Q and 4Q.

Excise taxes are calculated as the subtraction of the prices excluding taxes from the prices including non-VAT taxes, as published by Eurostat.

Steam and coking coal

From 1Q2014 onwards, prices for steam coal for households and electricity generation are not applicable due to limited sectoral consumption levels.

From 2012 onwards, annual prices for steam coal and coking coal for industry, refer to use in the iron and steel sector, which is the main consumer of solid coal products in the country with a sectoral and global share of over 80% in 2016. These prices are collected through an annual survey.

Electricity

Prices refer to the Eurostat consumption bands DA, DB, DC, DD and DE for households; and bands IA, IB, IC, ID, IE and IF, for industry, covering the whole consumption spectrum with the exception of band IG.

National average prices are computed by the FPS Economy as consumption-weighted averages of the average prices per band published by Eurostat. The weights used for this calculation are bi-annual consumption figures per band collected through surveys.

Eurostat data are bi-annual, therefore, prices for 1Q and 2Q are the same, as are those for 3Q and 4Q.

Excise taxes are calculated as the subtraction of the prices excluding taxes from the prices including non-VAT taxes, as published by Eurostat.

Energy price indices

Annual and quarterly indices are 12-month and 3-month averages, respectively, of the monthly indices produced by the National Bank of Belgium (wholesale) and by FPS Economy (retail).

Wholesale indices for oil products refer to *manufacture of refined petroleum products* (raffinage de pétrole). Retail indices are a weighted average of the series referring to *propellants* (carburants), *liquid fuels* (combustibles liquides) and *petroleum gases* (gaz de pétrole).

Wholesale indices for electricity refer to *production, transmission and distribution of electricity* (production, transport et distribution d'électricité). Retail indices refer to *electricity* (électricité).

Wholesale indices for natural gas refer to *gas production and distribution* (production et distribution de gaz). Retail indices refer to *natural gas* (gaz naturel).

Wholesale indices for coal refer to *energy raw materials, coal* (matières énergétiques, charbon). Retail indices refer to *solid fuels* (combustibles solides).

Energy taxation

VAT

VAT (TVA/BTW) was introduced in Belgium on 1 January 1971. VAT is refunded for purchases for commercial purposes. Therefore, it is not included in prices shown

for industry, electricity generation and automotive fuels for commercial use.

A reduced VAT rate applied to light fuel oil for households until 31 March 1992. From 1 April 1992 onwards, the reduced VAT rate applies coal only.

From	To	General %	Reduced %
01.04.92	31.12.93	19.5	12
01.01.94	31.12.95	20.5	12
01.01.96	now	21	12

Excise tax

Excise taxes on commercial energy products in Belgium are levied in accordance with the 2003 EU Energy Taxation Directive.

Automotive LPG for all consumers, as well as steam coal for households, are exempted from federal taxation.

Coal products with a ‘dual use’ are also exempted from federal taxation. The use of energy products for chemical reduction or electrolytic and metallurgical processes is considered dual use. The published prices for industry (iron and steel) are therefore exempt from federal taxation.

In addition to the excise tax components applicable at a federal level, regional authorities in Belgium can levy additional fees on commercial energy products sales.

Tax applicability table (not exhaustive)

	HSFO	LFO	Diesel	Gasoline	LPG	Natural gas	Steam coal	Coking coal	Electricity
Excise duties	x	x	x	x			x	x	
Energy fee	x	x	x	x		x	x	x	x
Federal natural gas fee					x				
Federal electricity fee									x
BOFAS			x	x					
Social heating fund		x							
Stockholding fee	x	x	x	x					

Excise duties (*Droit d'accise/Accijns*)

The current excise taxation system on energy products in Belgium is legally defined in its current form in the 27 June 2016 Law, which came in force on 30 June 2016.

Excise duties on commercial energy products in Belgium are expressed in a per-volume basis.

Excise duties in Belgium include a self-adjusting mechanism to partially compensate for changes in the maximum price of the taxable goods.

The positive ‘click’, first introduced in August 2003, corrects the excise duty rates for gasoline and diesel so that every unitary drop in the maximum price is partially offset by a half-unit increase in the tax rate.

Conversely, the negative or inverse ‘click’, corrects the excise duty rates for gasoline and diesel so that every unitary rise in the maximum price is partially offset by a half-unit decrease in the tax rate, provided the maximum prices for these fuels are over a legally defined value.

In the tables at the end of this section, the excise duty rates shown for oil products include the energy fee described below.

Energy fee (*Cotisation énergie/ Bijdrage op de energie*)

An additional tax component, which applies to oil products, natural gas, solid fuels and electricity, was established by the 23 July 1993 Law and subsequently modified by the 27 December 2005 Law.

Revenue collected from this tax is earmarked for “maintaining the financial health of the social security system”. Only low-tension users of electricity (<1 kV) are subject to this tax component. In consequence, most industrial consumers are exempted from it. In the low-voltage category, the law sets a reduced rate for professional consumers with environmental certificates (EAE).

For natural gas, all final consumers are subject to the energy fee. Tax rates distinguish professional and non-professional consumers, as well as those with environmental certificates.

In the tables at the end of this section, the energy fee is aggregated with the excise duty rates shown for oil products. Historical rates for electricity and natural gas are currently not available.

Federal natural gas fee (*Cotisation fédérale gaz naturel/Federale bijdrage aardgas*)

An additional excise tax component on natural gas, known as the federal natural gas fee, was established in the 24 December 2002 Law, and subsequently modified by the 26 March 2014 Law and the 2 April 2014 Royal Decree.

The federal natural gas fee is charged to final consumers of natural gas and the revenues from it are earmarked for financing certain public service obligations of natural gas providers, and to cover costs linked to the regulation and control of natural gas markets in the country. Revenues from this tax component are collected and administered by the Regulatory Commission for Electricity and Natural Gas (CREG).

The applicable rates are expressed in a per kWh basis and are updated annually. Rates for the first 20 GWh of annual consumption are the same for households and industry.

Industry consumption beyond 20 GWh/year is taxed at 85% of the rate in the 20-50 GWh band; 80% of the rate in the 50-250 GWh band; 75% of the rate in the 250-1 000 GWh band, and 55% of the rate thereafter.

The resulting effective rate for industry is therefore dependent on the consumption of each industrial user.

The 26 March 2014 Law exempted natural gas used for electricity generation from this tax component.

Tax rates shown at the end of this section are taken from CREG's website and include fixed expenses (*frais forfaitaires/forfaitair kosten*).

Federal electricity fee (*Cotisation fédérale électricité/Federale bijdrage elektriciteit*)

An additional excise tax component on electricity, known as the federal electricity fee, was established by the 29 April 1999 Law on the organisation of the electricity market, and subsequently modified by the Royal Decree of 24 March 2003.

The federal electricity fee is charged to final consumers of electricity and the revenues from it are earmarked for financing certain public service obligations of electricity providers, and to cover costs linked to the regulation and control of electricity markets in the country. Revenues from this tax component are collected and administered by the Regulatory Commission for Electricity and Natural Gas (CREG).

The applicable rates are expressed in a per kWh basis and are updated annually. Rates for the first 20 MWh of annual consumption are the same for households and industry.

Industry consumption beyond 20 MWh/year is taxed at 85% of the rate in the 20-50 MWh band; 80% of the rate in the 50-1 000 MWh band; 75% of the rate in the 1 000-25 000 MWh band, and 55% of the rate thereafter.

The resulting effective rate for industry is therefore dependent on the consumption of each industrial user.

Excise duties (*Droit d'accise/Accijns*)

From	To	Heavy fuel oil (EUR/tonne)	Light fuel oil (EUR/1000l)	Diesel (EUR/l)	Gasoline (EUR/l)
10.01.05	03.02.05	15.00	18.49	0.3329	0.5642
04.02.05	08.02.05	15.00	18.49	0.3404	0.5642
09.02.05	08.04.05	15.00	18.49	0.3404	0.5742
09.04.05	13.04.05	15.00	18.49	0.3404	0.5862
14.04.05	15.04.05	15.00	18.49	0.3507	0.5862
16.04.05	20.04.05	15.00	18.49	0.3510	0.5922

Tax rates shown at the end of this section are taken from CREG's website.

BOFAS fee (*Fonds d'assainissement des sols des stations-service/Bodemsaneringsfonds voor tankstations*)

The BOFAS fee is an obligatory fixed contribution levied on automotive diesel and gasoline sales since 2Q2004. The revenue is used for soil remediation in filling stations.

Since its introduction, the BOFAS fee has been levied at a rate of 0.00197 EUR/l for automotive diesel and 0.00322 EUR/l for gasoline.

The BOFAS fee contribution was reduced to 0 EUR/l for both automotive diesel and gasoline from 01/01/2018 onwards.

The BOFAS fee is included in the ex-tax prices presented in this publication.

Social heating fund fee (*Fond social chauffage/Sociaal Verwarmingsfonds*)

The Social heating fund fee is an obligatory fixed contribution levied on heating gasoil (light fuel oil) and other heating fuels since 2005. The revenue from this fee is used to subsidize domestic heating fuels for low-income households.

Since its introduction, the Social heating fund fee has been levied on light fuel oil sales at a rate of 1.6 EUR/1000l.

The Social heating fund fee is included in the ex-tax prices presented in this publication.

Stockholding fee (*contribution APETRA/APETRA bijdrage*)

A strategic stockholding fee is levied on oil product sales. The revenue from this fee is used to cover the cost of maintaining the country's strategic reserves, managed by APETRA, the Belgian stockholding agency.

The fee is updated quarterly and distinguishes between three product categories. Category 1 includes all gasoline grades; Category 2 includes kerosene and gas/diesel oils and Category 3 includes heavy fuel oils.

The stockholding fee is included in the ex-tax prices presented in this publication.

From	To	Heavy fuel oil (EUR/tonne)	Light fuel oil (EUR/1000l)	Diesel (EUR/l)	Gasoline (EUR/l)
21.04.05	09.05.05	15.00	18.49	0.3586	0.5922
10.05.05	17.05.05	15.00	18.49	0.3657	0.5922
18.05.05	05.07.05	15.00	18.49	0.3679	0.5922
06.07.05	12.08.05	15.00	18.49	0.3653	0.5922
13.08.05	17.08.05	15.00	18.49	0.3632	0.5922
18.08.05	01.09.05	15.00	18.49	0.3601	0.5922
02.09.05	16.09.05	15.00	18.49	0.3523	0.5922
17.09.05	23.09.05	15.00	18.49	0.3500	0.5922
24.09.05	06.10.05	15.00	18.49	0.3444	0.5922
07.10.05	07.04.06	15.00	18.49	0.3413	0.5922
08.04.06	14.04.06	15.00	18.49	0.3404	0.5922
15.04.06	24.04.06	15.00	18.49	0.3366	0.5922
25.04.06	11.05.06	15.00	18.49	0.3324	0.5922
12.05.06	31.05.06	15.00	18.49	0.3312	0.5922
01.06.06	29.06.06	15.00	18.49	0.3295	0.5922
30.06.06	18.07.06	15.00	18.49	0.3267	0.5922
19.07.06	02.08.06	15.00	18.49	0.3237	0.5922
03.08.06	23.08.06	15.00	18.49	0.3194	0.5922
24.08.06	31.10.06	15.00	18.49	0.3180	0.5922
01.11.06	04.03.07	15.00	18.49	0.3282	0.5922
05.03.07	30.09.07	15.00	18.49	0.3311	0.5922
01.10.07	04.12.07	15.00	18.49	0.3334	0.6227
05.12.07	21.02.08	15.00	18.49	0.3179	0.6227
22.02.08	16.04.08	15.00	18.49	0.3179	0.6208
17.04.08	24.04.08	15.00	18.49	0.3179	0.6185
25.04.08	13.05.08	15.00	18.49	0.3179	0.6140
14.05.08	22.05.08	15.00	18.49	0.3179	0.6076
23.05.08	09.06.08	15.00	18.49	0.3179	0.6033
10.06.08	30.06.08	15.00	18.49	0.3179	0.5969
01.07.08	28.08.08	15.00	18.49	0.3179	0.5967
29.08.08	15.09.08	15.00	18.49	0.3189	0.5929
16.09.08	09.01.09	15.00	18.49	0.3179	0.5856
10.01.09	20.01.09	15.00	18.49	0.3320	0.5856
21.01.09	13.02.09	15.00	18.49	0.3407	0.5856
14.02.09	20.02.09	15.00	18.49	0.3465	0.5856
21.02.09	23.02.09	15.00	18.49	0.3529	0.5856
24.02.09	31.03.09	15.00	18.49	0.3529	0.5985
01.04.09	29.04.09	15.00	18.49	0.3529	0.6014
30.04.09	19.06.09	15.00	18.49	0.3529	0.6114
20.06.09	18.01.10	15.00	18.49	0.3529	0.6136
19.01.10	27.01.10	15.00	18.49	0.3616	0.6136
28.01.10	13.04.10	15.00	18.49	0.3662	0.6136
14.04.10	17.05.10	15.00	18.49	0.3728	0.6136
18.05.10	25.05.10	15.00	18.49	0.3774	0.6136
26.05.10	03.01.11	15.00	18.49	0.3929	0.6136
04.01.11	24.01.11	15.00	18.49	0.4045	0.6136
25.01.11	19.04.11	15.00	18.49	0.4107	0.6136
20.04.11	05.05.11	15.00	18.49	0.4165	0.6136
06.05.11	12.05.11	15.00	18.49	0.4306	0.6136
13.05.11	09.11.11	15.00	18.49	0.4329	0.6136
10.11.11	16.11.11	15.00	18.49	0.4305	0.6136
17.11.11	06.08.13	15.00	18.49	0.4277	0.6136
07.08.13	31.12.14	16.20	18.49	0.4277	0.6136
01.01.15	31.10.15	16.24	18.54	0.4288	0.6152

From	To	Heavy fuel oil (EUR/tonne)	Light fuel oil (EUR/1000l)	Diesel (EUR/l)	Gasoline (EUR/l)
01.11.15	19.11.15	16.24	18.54	0.4315	0.6152
20.11.15	03.12.15	16.24	18.54	0.4381	0.6152
04.12.15	11.12.15	16.24	18.54	0.4518	0.6152
12.12.15	31.12.15	16.24	18.54	0.4648	0.5924
01.01.16	05.07.16	16.35	18.65	0.4648	0.6191
06.07.16	12.07.16	16.35	18.65	0.4706	0.6191
13.07.16	26.07.16	16.35	18.65	0.4789	0.6191
27.07.16	02.08.16	16.35	18.65	0.4864	0.6191
03.08.16	31.12.06	16.35	18.65	0.4969	0.6100
01.01.17	13.01.17	16.35	18.65	0.5077	0.6232
14.01.17	13.03.17	16.35	18.65	0.5131	0.6232
14.03.17	22.03.17	16.35	18.65	0.5255	0.6190
23.03.17	31.12.17	16.35	18.65	0.5300	0.6051
01.01.18	05.02.18	16.35	18.65	0.5385	0.6148
06.02.18	12.02.18	16.35	18.65	0.5456	0.6148
13.02.18	08.03.18	16.35	18.65	0.5601	0.6148
09.03.18	04.06.18	16.35	18.65	0.5659	0.6148
05.06.18	12.06.18	16.35	18.65	0.5738	0.6148
13.06.18	22.06.18	16.35	18.65	0.5775	0.6148
23.06.18	10.07.18	16.35	18.65	0.5854	0.6148
11.07.18	18.07.18	16.35	18.65	0.5900	0.6148
19.07.18	now	16.35	18.65	0.6002	0.6002

Federal fees (Cotisations fédérales/Federale bijdragen)

From	To	Natural gas (EUR/MWh)	Electricity (EUR/MWh)
01.01.04	31.12.04	0.1237	1.4485
01.01.05	31.03.05	0.1239	1.7331
01.04.05	30.04.05	0.1239	1.6488
01.05.05	30.09.05	0.1050	1.6488
01.10.05	31.12.05	0.1050	1.6621
01.01.06	31.12.06	0.1252	1.8987
01.01.07	31.12.07	0.1121	2.1080
01.01.08	31.12.08	0.1151	2.3537
01.01.09	31.12.09	0.1511	2.6194
01.01.10	31.12.10	0.1490	4.0685
01.01.11	31.12.11	0.1510	5.2648
01.01.12	20.01.12	0.1309	5.0854
21.01.12	31.03.12	0.1309	4.9761
01.04.12	31.12.12	0.1155	3.8597
01.01.13	31.12.13	0.1355	2.9781
01.01.14	31.08.14	0.3978	2.4714
01.09.14	31.12.14	0.6706	2.4714
01.01.15	31.12.15	0.7959	2.5310
01.01.16	31.12.16	0.6309	3.0033
01.01.17	31.12.17	0.5672	3.3705
01.01.18	31.12.18	0.5984	3.4439
01.01.19	31.12.19	0.6043	3.3461
01.01.20	now	0.7416	3.1428

Stockholding fee (APETRA)

From	To	Category 1 (EUR/1000l)	Category 2 (EUR/1000l)	Category 3 (EUR/tonne)
01.01.00	31.03.00	5.54	5.28	4.75
01.04.00	30.06.00	5.91	5.91	5.04
01.07.00	30.09.00	6.23	6.35	5.37
01.10.00	31.12.00	6.26	6.84	5.58
01.01.01	31.03.01	6.85	8.51	6.40
01.04.01	04.05.01	6.15	6.52	5.26
05.05.01	30.06.01	6.31	6.52	5.46
01.07.01	30.09.01	7.13	6.44	5.39
01.10.01	31.12.01	6.45	6.51	5.20
01.01.02	31.03.02	5.71	5.97	4.95
01.04.02	30.06.02	5.36	5.50	4.85
01.07.02	30.09.02	6.72	6.42	5.55
01.10.02	31.12.02	6.45	6.14	5.43
01.01.03	31.03.03	6.01	5.96	5.50
01.04.03	30.06.03	6.17	6.29	5.59
01.07.03	30.09.03	5.92	5.86	5.14
01.10.03	31.12.03	5.66	5.39	5.00
01.01.04	31.03.04	5.95	5.88	5.16
01.04.04	30.06.04	5.93	5.86	4.77
01.07.04	30.09.04	6.66	6.14	4.95
01.10.04	31.12.04	6.66	6.45	4.86
01.01.05	31.03.05	6.55	6.96	4.80
01.04.05	30.06.05	5.93	6.36	4.74
01.07.05	30.09.05	6.73	7.06	5.32
01.10.05	31.12.05	7.83	8.03	5.78
01.01.06	31.03.06	8.13	8.41	6.35
01.04.06	30.06.06	8.21	8.66	6.73
01.07.06	30.09.06	9.17	9.29	6.84
01.01.07	31.03.07	7.40	8.21	5.54
01.04.07	30.06.07	7.88	8.31	5.92
01.07.07	30.09.07	9.30	9.08	6.35
01.10.07	31.12.07	9.91	10.06	7.29
01.01.08	31.03.08	9.94	11.01	8.06
01.04.08	30.06.08	9.85	10.92	8.48
01.07.08	30.09.08	10.63	12.72	8.81
01.10.08	31.12.08	12.68	14.88	11.33
01.01.09	31.03.09	9.62	11.83	8.78
01.04.09	30.06.09	6.91	8.30	6.10
01.07.09	30.09.09	7.73	7.76	6.45
01.10.09	31.12.09	8.82	8.61	7.61
01.01.10	31.03.10	8.54	8.64	7.86
01.04.10	30.06.10	8.70	8.83	7.98
01.07.10	30.09.10	9.80	9.87	8.53
01.10.10	31.12.10	9.26	9.63	8.38
01.01.11	31.03.11	8.99	9.52	7.99
01.04.11	30.06.11	10.25	10.92	8.86
01.07.11	30.09.11	11.76	12.27	10.37
01.10.11	31.12.11	11.44	11.99	10.32
01.01.12	31.03.12	10.84	11.92	9.98
01.04.12	30.06.12	11.25	12.17	10.61
01.07.12	30.09.12	12.40	12.57	11.18
01.10.12	31.12.12	11.44	11.74	10.15

From	To	Category 1 (EUR/1000l)	Category 2 (EUR/1000l)	Category 3 (EUR/tonne)
01.01.13	31.03.13	11.43	12.18	10.00
01.04.13	30.06.13	10.94	11.60	9.61
01.07.13	30.09.13	11.67	12.00	10.12
01.10.13	31.12.13	11.74	12.10	10.03
01.01.14	31.03.14	11.30	12.26	9.97
01.04.14	30.06.14	10.67	11.49	9.49
01.07.14	30.09.14	10.78	11.11	9.57
01.10.14	31.12.14	10.66	10.84	9.10
01.01.15	31.03.15	9.44	9.87	8.00
01.04.15	30.06.15	7.23	8.06	6.04
01.07.15	30.09.15	8.22	7.88	6.42
01.10.15	31.12.15	8.32	7.88	6.01
01.01.16	31.03.16	7.03	7.23	5.20
01.04.16	30.06.16	6.14	6.05	4.41
01.07.16	30.09.16	6.39	6.38	4.77
01.10.16	31.12.16	6.45	6.55	5.26
01.01.17	31.03.17	6.50	6.73	5.49
01.04.17	30.06.17	7.18	7.31	6.07
01.07.17	30.09.17	7.20	7.10	5.89
01.10.17	31.12.17	6.94	6.78	5.68
01.01.18	31.03.18	7.25	7.38	6.03
01.04.18	30.06.18	7.18	7.47	6.11
01.07.18	30.09.18	7.52	7.79	6.34
01.10.18	31.12.18	7.93	8.18	6.85
01.01.19	31.03.19	7.68	8.55	7.00
01.04.19	30.06.19	6.81	7.74	6.30
01.07.19	30.09.19	7.81	8.02	6.74
01.10.19	31.12.19	7.40	7.48	6.30
01.01.20	20.03.20	7.16	7.55	6.39
01.04.20	30.06.20	7.22	7.61	6.60
01.07.20	Now	7.22	7.61	6.60

Product specifications

Oil products

	High sulphur fuel oil	Low sulphur fuel oil	Light fuel oil	Automotive diesel	Premium unleaded (98 RON) gasoline	Premium unleaded (95 RON) gasoline
Quality	Fuel oil lourd	Fuel oil lourd	Gas oil chauffage	European Standard EN 590	European Standard EN 228	European Standard EN 228
Density (kg/l)	0.93	0.93	0.84	0.833	0.745	0.745
Sulphur content (%)	1 - 3	1	0.005	0.001	0.001	0.001
NCV (kcal/kg)	9 550	9 550	10 200	10 100	10 350	10 350
Delivery size	<24 000 tonnes/ year	2 000 – 5 000 l	<24 000 tonnes/ year			

Coal

	Steam coal <i>industry</i>	Steam coal <i>households</i>	Coking coal <i>industry</i>
Quality		Anthracite 12/22	
NCV (kcal/kg)	6 300	6 800	7 000

CANADA**Table 1 - Average prices and taxes in Canadian dollars**

High sulphur fuel oil for industry (per tonne)					Heavy fuel oil for electricity generation (per tonne)					
	Ex-tax price	Excise tax	GST	Total tax	Total price	Ex-tax price	Excise tax	GST	Total tax	Total price
2009	451.27	19.40	22.56	41.97	493.24	336.19
2010	519.95	22.36	26.00	48.36	568.31	439.72
2011	671.31	28.87	33.57	62.43	733.74	533.74
2012	712.92	30.66	35.65	66.30	779.22	665.04
2013	677.32	29.12	33.87	62.99	740.31	684.17
2014	633.55	27.24	31.68	58.92	692.47
2015	366.77	15.77	18.34	34.11	400.88
2016	311.06	13.38	15.55	28.93	339.99
2017	427.53	18.38	21.38	39.76	467.29
2018	534.89	23.00	26.74	49.74	584.64
2019	543.53	23.37	27.18	50.55	594.08
3Q2019	516.04	22.19	25.80	47.99	564.03
4Q2019	523.79	22.52	26.19	48.71	572.51
1Q2020
2Q2020
3Q2020
Light fuel oil for industry (per 1000 litres)					Light fuel oil for households (per 1000 litres)					
	Ex-tax price	Excise tax	GST	Total tax	Total price	Ex-tax price	Excise tax	GST	Total tax	Total price
2009	541.10	23.27	27.06	50.32	591.42	721.08	25.82	37.35	63.17	784.25
2010	630.69	27.12	31.53	58.65	689.34	822.25	37.91	43.01	80.92	903.17
2011	831.19	35.74	41.56	77.30	908.49	1 016.00	58.37	53.72	112.08	1 128.08
2012	849.92	36.55	42.50	79.04	928.96	1 058.17	63.02	56.06	119.08	1 177.25
2013	858.67	36.92	42.93	79.86	938.52	1 085.83	59.88	57.29	117.17	1 203.00
2014	866.00	37.24	43.30	80.54	946.54	1 130.92	62.50	59.67	122.17	1 253.08
2015	640.67	27.55	32.03	59.58	700.25	945.75	54.49	50.01	104.50	1 050.25
2016	545.92	23.47	27.30	50.77	596.69	861.75	51.90	45.68	97.58	959.33
2017	623.67	26.82	31.18	58.00	681.67	878.50	51.82	46.52	98.33	976.83
2018	787.42	33.86	39.37	73.23	860.65	1 034.58	61.69	54.81	116.50	1 151.08
2019	753.42	32.40	37.67	70.07	823.48	986.16	77.25	53.17	130.43	1 116.58
3Q2019	727.00	31.26	36.35	67.61	794.61	987.00	80.30	53.37	133.67	1 120.67
4Q2019	776.67	33.40	38.83	72.23	848.90	1 027.33	84.73	55.60	140.33	1 167.67
1Q2020	652.33	28.05	32.62	60.67	713.00	834.00	87.59	46.08	133.67	967.67
2Q2020	423.67	18.22	21.18	39.40	463.07	742.67	72.57	40.76	113.33	856.00
3Q2020
Automotive diesel for commercial use (per litre)					Automotive diesel for non-commercial use (per litre)					
	Ex-tax price	Excise tax	GST	Total tax	Total price	Ex-tax price	Excise tax	GST	Total tax	Total price
2009	0.652	0.047	0.035	0.082	0.734	0.652	0.202	0.043	0.244	0.896
2010	0.739	0.048	0.039	0.087	0.827	0.739	0.221	0.048	0.269	1.009
2011	0.941	0.049	0.049	0.098	1.039	0.941	0.245	0.059	0.304	1.245
2012	0.946	0.047	0.050	0.097	1.043	0.946	0.248	0.060	0.308	1.254
2013	0.970	0.039	0.050	0.089	1.059	0.970	0.254	0.061	0.315	1.285
2014	1.020	0.048	0.053	0.101	1.121	1.020	0.257	0.064	0.321	1.341
2015	0.776	0.050	0.041	0.092	0.868	0.776	0.264	0.052	0.316	1.092
2016	0.667	0.050	0.036	0.086	0.753	0.667	0.263	0.047	0.310	0.977
2017	0.769	0.067	0.042	0.109	0.878	0.769	0.281	0.052	0.333	1.102
2018	0.931	0.082	0.051	0.133	1.064	0.931	0.295	0.061	0.356	1.288
2019	0.865	0.094	0.048	0.142	1.007	0.865	0.307	0.059	0.366	1.231
3Q2019	0.829	0.095	0.046	0.141	0.971	0.829	0.308	0.057	0.365	1.195
4Q2019	0.900	0.098	0.050	0.148	1.048	0.900	0.312	0.061	0.372	1.272
1Q2020	0.818	0.104	0.046	0.150	0.968	0.818	0.318	0.057	0.374	1.192
2Q2020	0.580	0.102	0.034	0.136	0.716	0.580	0.316	0.045	0.360	0.940
3Q2020

CANADA**Table 2 - Average prices and taxes in Canadian dollars**

Premium unleaded (97 RON) gasoline (per litre)					Premium unleaded (95 RON) gasoline (per litre)					
	Ex-tax price	Excise tax	GST	Total tax	Total price	Ex-tax price	Excise tax	GST	Total tax	Total price
2009	0.724	0.277	0.050	0.327	1.051	0.706	0.279	0.049	0.328	1.035
2010	0.793	0.303	0.055	0.357	1.150	0.775	0.303	0.054	0.357	1.132
2011	0.962	0.334	0.065	0.399	1.361	0.943	0.337	0.064	0.401	1.344
2012	0.987	0.344	0.067	0.411	1.398	0.977	0.338	0.066	0.404	1.381
2013	0.996	0.350	0.067	0.417	1.413	1.005	0.338	0.068	0.406	1.411
2014	1.006	0.358	0.068	0.427	1.432	1.025	0.338	0.068	0.406	1.431
2015	0.845	0.345	0.059	0.404	1.249	0.803	0.338	0.057	0.395	1.199
2016	0.793	0.341	0.057	0.398	1.191	0.751	0.335	0.054	0.389	1.140
2017	0.901	0.356	0.063	0.419	1.320	0.863	0.348	0.061	0.409	1.272
2018	1.034	0.367	0.070	0.437	1.470	0.995	0.359	0.068	0.427	1.422
2019	0.962	0.378	0.067	0.446	1.408	0.915	0.374	0.064	0.438	1.353
3Q2019	0.979	0.384	0.068	0.452	1.431	0.931	0.379	0.066	0.445	1.376
4Q2019	0.947	0.382	0.066	0.449	1.396	0.897	0.379	0.064	0.443	1.340
1Q2020	0.855	0.382	0.062	0.444	1.299	0.801	0.378	0.059	0.437	1.238
2Q2020	0.703	0.378	0.054	0.432	1.135	0.648	0.375	0.051	0.426	1.074
3Q2020
Regular unleaded (92 RON) gasoline (per litre)					Natural gas for industry (per megawatt hour GCV)					
	Ex-tax price	Excise tax	GST	Total tax	Total price	Ex-tax price	Excise tax	GST	Total tax	Total price
2009	0.630	0.270	0.045	0.315	0.945	16.14	-	0.81	0.81	16.94
2010	0.694	0.293	0.049	0.342	1.035	13.51	-	0.68	0.68	14.18
2011	0.858	0.321	0.059	0.380	1.239	14.52	-	0.73	0.73	15.25
2012	0.883	0.332	0.061	0.393	1.275	11.32	-	0.57	0.57	11.89
2013	0.887	0.333	0.061	0.394	1.281	13.47	-	0.67	0.67	14.14
2014	0.889	0.332	0.061	0.393	1.283	16.83	-	0.84	0.84	17.67
2015	0.705	0.331	0.052	0.383	1.088	12.37	-	0.62	0.62	12.99
2016	0.648	0.332	0.049	0.381	1.029	14.57	-	0.73	0.73	15.30
2017	0.747	0.345	0.055	0.399	1.146	15.60	-	0.78	0.78	16.38
2018	0.873	0.354	0.061	0.416	1.288	13.79	-	0.69	0.69	14.48
2019	0.788	0.364	0.058	0.421	1.209	12.60	-	0.63	0.63	13.23
3Q2019	0.801	0.367	0.058	0.426	1.227	11.79	-	0.59	0.59	12.37
4Q2019	0.763	0.366	0.056	0.422	1.185	11.96	-	0.60	0.60	12.55
1Q2020	0.667	0.367	0.052	0.419	1.085	13.26	-	0.66	0.66	13.92
2Q2020	0.513	0.364	0.044	0.408	0.921	11.37	-	0.57	0.57	11.94
3Q2020
Natural gas for electricity generation (per megawatt hour GCV)					Natural gas for households (per megawatt hour GCV)					
	Ex-tax price	Excise tax	GST	Total tax	Total price	Ex-tax price	Excise tax	GST	Total tax	Total price
2009	19.35	37.19	-	1.86	1.86	39.05
2010	18.11	36.34	-	1.82	1.82	38.16
2011	15.71	34.96	-	1.75	1.75	36.71
2012	13.05	32.70	-	1.64	1.64	34.34
2013	16.53	33.17	-	1.66	1.66	34.82
2014	36.90	-	1.85	1.85	38.75
2015	32.68	-	1.63	1.63	34.31
2016	32.51	-	1.63	1.63	34.13
2017	33.01	-	1.65	1.65	34.66
2018	32.03	-	1.60	1.60	33.63
2019	32.87	-	1.64	1.64	34.52
3Q2019	48.09	-	2.40	2.40	50.49
4Q2019	25.89	-	1.29	1.29	27.18
1Q2020	22.88	-	1.14	1.14	24.02
2Q2020	29.93	-	1.50	1.50	31.42
3Q2020

CANADA**Table 3 - Average prices and taxes in Canadian dollars**

Steam coal for industry (per tonne)					Steam coal for electricity generation (per tonne)					
	Ex-tax price	Excise tax	GST	Total tax	Total price	Ex-tax price	Excise tax	GST	Total tax	Total price
2009	28.49
2010	31.97
2011	28.54
2012	32.81
2013	33.90
2014
2015
2016
2017
2018
2019
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020
Steam coal for households (per tonne)					Coking coal for industry (per tonne)					
	Ex-tax price	Excise tax	GST	Total tax	Total price	Ex-tax price	Excise tax	GST	Total tax	Total price
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020
Electricity for industry (per megawatt hour)					Electricity for households (per megawatt hour)					
	Ex-tax price	Excise tax	GST	Total tax	Total price	Ex-tax price	Excise tax	GST	Total tax	Total price
2009	63.60	6.20	69.80	86.30	8.40	94.70
2010	68.90	6.30	75.20	88.40	7.70	96.10
2011	71.80	8.30	80.10	96.20	7.60	103.80
2012	75.80	9.30	85.10	96.30	8.10	104.40
2013	89.30	10.10	99.40	95.50	11.40	106.90
2014	79.20	9.70	88.90	97.90	11.10	109.00
2015	75.80	6.00	81.80	112.30	6.20	118.50
2016	92.53	11.90	104.43	126.74	14.18	140.92
2017	95.77	12.96	108.73	126.51	14.96	141.47
2018	96.18	12.63	108.81	131.53	14.93	146.47
2019	106.58	13.45	120.03	133.81	15.46	149.27
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020

CANADA**Table 4 - Indices of energy prices**

	Oil products		Electricity		Natural gas		Coal	
	Wholesale 2010 = 100	Retail 2002 = 100	Wholesale 2014 = 100	Retail 2002 = 100	Wholesale 2010 = 100	Retail 2002 = 100	Wholesale 2002 = 100	Retail
1999	40.8	84.3	61.7	90.8	75.6	77.5	102.0	..
2000	59.6	103.9	61.6	91.3	100.8	94.2	98.6	..
2001	56.8	101.4	65.1	92.9	150.4	122.1	99.9	..
2002	53.3	100.0	70.9	100.0	129.2	100.0	100.0	..
2003	58.7	107.1	76.0	98.0	135.3	130.1	98.6	..
2004	69.0	118.2	75.7	102.0	136.4	127.4	98.0	..
2005	85.3	134.6	82.1	104.9	144.1	136.3	100.2	..
2006	92.9	141.8	81.6	110.8	151.1	140.5	101.6	..
2007	97.9	148.1	80.9	112.9	133.2	131.3	96.6	..
2008	122.8	169.4	82.5	113.2	142.6	146.8	100.6	..
2009	88.3	137.5	79.9	115.2	111.3	117.3	104.8	..
2010	100.0	150.9	85.1	120.7	100.0	115.2	105.5	..
2011	126.0	181.7	89.2	124.3	86.8	111.4	109.1	..
2012	131.9	186.8	91.8	129.4	63.8	99.9	110.2	..
2013	134.7	187.7	97.1	132.3	70.3	106.8
2014	135.8	189.1	100.0	138.4	84.8	124.7
2015	105.6	157.3	103.2	142.9	70.7	116.7
2016	95.9	146.9	106.1	151.1	62.2	104.4
2017	108.7	164.5	107.2	142.7	67.6	114.1
2018	125.6	186.0	111.5	142.8	64.8	109.7
2019	119.4	175.7	114.8	145.8	65.1	114.4
3Q2012	131.7	188.7	91.7	131.6	58.3	97.0	108.8	..
4Q2012	130.6	182.4	91.9	129.5	66.2	100.8	103.6	..
1Q2013	135.2	186.5	92.8	129.3	68.8	105.2	108.1	..
2Q2013	132.2	188.2	97.2	131.4	72.1	107.7	118.8	..
3Q2013	136.3	192.9	98.6	134.5	70.0	108.1	118.5	..
4Q2013	134.9	183.4	99.8	134.0	70.1	106.3
1Q2014	142.2	190.8	101.3	135.5	83.2	115.1
2Q2014	141.9	200.4	95.9	138.3	89.3	131.6
3Q2014	136.9	194.6	100.7	139.6	86.2	127.8
4Q2014	122.2	170.6	102.2	140.1	80.3	124.4
1Q2015	105.5	148.3	100.3	140.2	74.2	124.4
2Q2015	110.4	165.1	101.9	141.6	69.4	114.0
3Q2015	107.2	165.4	106.9	144.6	70.0	118.8
4Q2015	99.4	150.2	103.5	145.1	69.2	109.7
1Q2016	87.4	133.6	104.4	149.5	63.3	103.1
2Q2016	96.6	151.7	107.6	150.9	54.6	100.2
3Q2016	97.1	149.1	105.1	152.8	63.2	106.4
4Q2016	102.6	152.9	107.4	151.1	67.8	108.0
1Q2017	107.7	159.7	105.0	147.9	68.0	115.5
2Q2017	105.9	163.1	104.9	144.8	68.2	113.1
3Q2017	105.6	162.9	111.4	139.2	68.8	115.1
4Q2017	115.6	172.1	107.6	139.1	65.4	112.7
1Q2018	120.4	179.6	107.4	141.0	66.1	114.5
2Q2018	129.3	196.4	113.2	142.5	64.3	107.5
3Q2018	130.4	194.6	111.8	143.7	63.7	108.0
4Q2018	122.2	173.4	113.7	143.9	65.0	108.8
1Q2019	115.6	163.2	111.0	144.8	67.6	114.2
2Q2019	124.5	188.2	113.6	145.0	64.9	117.3
3Q2019	118.3	178.0	116.3	146.0	64.0	113.4
4Q2019	119.1	173.5	118.1	147.5	64.3	112.9
1Q2020	105.0	160.5	114.1	147.5	60.0	113.2
2Q2020	75.4	134.8	112.8	140.8	57.4	114.8
3Q2020

CANADA

Sources

Prices and taxes data for all products, as well as energy price indices, are provided on a quarterly basis by **Natural Resources Canada (NRCan)**.

Data collection methodology

From 1Q1993 onwards, prices refer to the monthly averages of the quarter. Prior to 1Q1993, prices refer to the first month of the quarter.

Provinces and municipalities in Canada can levy taxes within their jurisdiction, as described in the Energy Taxation section of this document. Tax amounts shown for the Goods and Services tax (GST) correspond to the federal portion of the tax applicable throughout the country. Excise taxes contain the provincial components of the applicable sales tax, as well as local excise taxes.

Oil products

Ex-tax prices for high sulphur fuel oil and light fuel oil for industry are calculated by NRCan as the simple arithmetical average of the monthly average refinery terminal prices at Montreal and Toronto, after discounts. Provincial taxes are included in the excise tax figures and are estimated by the reporting agency as 4.3% of the ex-tax price. The GST amounts refer to the federal component only and are calculated as 5% of the ex-tax price. End-use prices are then calculated as the sum of the ex-tax prices and the applicable taxes.

End-use prices and total taxes for light fuel oil for households, automotive diesel for non-commercial use, unleaded premium gasoline 97 RON, unleaded premium gasoline 95 RON and unleaded regular gasoline, are calculated by NRCan as the simple arithmetical average of the monthly average national prices reported in NRCan's website. Provincial taxes are considered as part of excise taxes and are calculated as by subtracting the GST amount, calculated using the applicable federal rate, from the total taxes reported in NRCan's website.

Prices for automotive diesel for commercial use are based on the retail diesel prices used to calculate prices for non-commercial users. As most commercial users are exempt from provincial fuel taxes, average provincial taxes for the year are subtracted from the retail prices to obtain an end-use price for commercial users. The rest of

the data is calculated using the same methodology as for other road fuels.

Prices for unleaded premium gasoline (95 RON) are derived from data published in the Kent Group's *Daily Pump Price Survey in Canada*, which reports daily end-use prices for a series of oil products in 70 cities across Canada, as well as a national average price computed as a weighted average of the prices in all provincial capitals.

Quarterly and annual end-use prices are calculated as simple arithmetical averages of the data for every Tuesday of each period. Ex-tax prices are then computed by subtracting the applicable federal level excise taxes and the federal GST.

Natural gas

Natural gas prices for industry and households are derived from the monthly unit prices for households and industry published by Statistics Canada (Table 25-10-0059-01).

Quarterly ex-tax prices for industry and households are calculated as simple arithmetical averages of the monthly data. The applicable GST rates are then used to calculate the GST amounts based on the quarterly end-use prices. Ex-tax prices are then calculated by subtracting the GST amounts from the end-use prices. Provincial sales taxes, as well as provincial excise taxes, are included in the ex-tax price.

Natural gas prices and taxes data for electricity generation are currently not available.

Steam and coking coal

Steam and coking coal prices and taxes data are currently not available.

Electricity

Since 1990, prices for households refer to the residential sector. Prices for industry are the weighted average of two tariff categories: 1 000 kW and 5 000 kW. The most recent prices are estimated by NRCan. The final data are available two years after the relevant year.

Prior to 1990, the prices shown in the main table are annual average revenues per MWh received by the Canadian utilities from all industrial sectors (including mining) and from households (and agricultural units of some provinces).

Annual end-use and ex-tax prices for households and industry are calculated as the simple arithmetical average of the electricity prices in 12 Canadian cities, published

in Hydro Quebec's *Comparaison des prix de l'électricité dans les grandes villes nord-américaines* report.

Total taxes are then calculated by subtracting the average ex-tax prices from the average end-use prices for each sector. The disaggregation of total taxes into GST and excise taxes is currently not available.

Energy price indices

Annual and quarterly indices are 12-month and 3-month averages, respectively, of the monthly data published by Statistics Canada.

Wholesale indices for oil products refer to Table 329-0075, series v79309138, *energy and petroleum products*. Retail indices refer to Table 326-0020, series v41691066 and v41691136, *weighted average of gasoline and fuel oil and other fuels*.

Wholesale indices for electricity refer to Table 329-0079, series v107792869, *electric power (non-residential)*. Retail indices refer to Table 326-0020, series v41691063, *electricity*.

Wholesale indices for natural gas refer to Table 330-0008, series v79310649, *natural gas*. Retail indices refer to Table 326-0020, series v41691065, natural gas.

Wholesale indices for coal refer to Table 330-0007, series v53434849, *coal (thermal)*.

Energy taxation

VAT

The Goods and Services Tax/Taxe sur les Produits et les Services (GST/TPS), a federal level, VAT-equivalent *ad valorem* tax, is levied on all transactions involving commercial energy products.

In addition to this federal level tax, Canadian provinces can levy an additional Provincial Sales Tax (PST). The revenue from this VAT-equivalent *ad valorem* tax is administered by the provincial authorities.

On 1 April 1997, Newfoundland and Labrador, Nova Scotia and New Brunswick introduced a Harmonized Sales Tax/Taxe de Vente Harmonisée (HST/TVH), effectively merging their provincial sales taxes with the GST/TPS. The system was introduced in Ontario and British Columbia on 1 July 2010, and on 1 April 2013, in Prince Edward Island. On 1 April 2013, British Columbia

reverted to the previous system following a provincial referendum. HST/TVH revenues are collected by the Canada Revenue Agency, which then transfers the provincial component back to the provinces.

In Canada's four Atlantic Provinces (Nova Scotia, Newfoundland and Labrador, New Brunswick and Prince Edward Island), natural gas and light fuel oil for heating are exempt from the provincial component of HST/TVH. For these products, only the GST/TPS rate applies.

Nunavut, Yukon and the Northwest Territories cannot levy PST on account of their non-provincial status. In these regions, only the GST/TPS applies.

Alberta is the only province where PST is effectively not levied.

In Quebec, both GST/TPS and the Quebec Sales Tax/Taxe de vente du Québec (QST/TVQ) are collected by Revenu Québec, which then transfers GST revenue to the federal government.

The table at the end of this section shows the effective total VAT-equivalent tax levied in each province and territory.

Excise tax

Excise taxes in Canada are levied on oil products at national and provincial levels. Three municipalities in Canada (Vancouver, Victoria and Montréal) levy additional taxes on fuel consumption sold within municipal boundaries. In general, provincial fuel taxes are set at a higher rate than federal taxes.

There are no national-level excise taxes on natural gas, coal and electricity.

Tax applicability table (not exhaustive)

	HSFO/LSFO	LFO	Diesel	Gasoline	LPG	Natural gas	Steam coal	Coking coal	Electricity
Federal excise taxes		x	x	x					

Federal excise taxes

Federal excise duties are levied on automotive diesel and gasoline. Fuel oil, compressed natural gas (CNG) and

automotive LPG are exempt from federal excise taxes, but can be taxed at sub-national levels.

Federal excise taxes on automotive diesel were introduced in 1987. Since its introduction, the tax rate has been kept constant at 0.04 CAD/l.

Federal excise taxes on gasoline were introduced in 1995. Since its introduction, the tax rate has been kept constant at 0.1 CAD/l for all unleaded gasoline grades.

VAT-equivalent tax (%)

From	To	AB,NT NU,YT	BC	MB	SK	QC	NB	NL	NS	ON	PE
01.04.97	30.06.06	7	14	14	12	12.5	15	15	15	15	17
01.07.06	31.12.07	6	13	13	11	12.5	14	14	14	14	16
01.01.08	30.06.10	5	12	12	10	12.5	13	13	13	13	15
01.07.10	31.12.10	5	12	12	10	12.5	13	13	15	13	15
01.01.11	31.12.11	5	12	12	10	13.5	13	13	15	13	15
01.01.12	31.12.12	5	12	12	10	14.5	13	13	15	13	15
01.01.13	31.03.13	5	12	12	10	14.975	13	13	15	13	15
01.04.13	30.06.13	5	12	12	10	14.975	13	13	15	13	14
01.07.13	31.03.16	5	12	13	10	14.975	13	13	15	13	14
01.04.16	30.06.16	5	12	13	10	14.975	15	13	15	13	14
01.07.16	30.09.16	5	12	13	10	14.975	15	15	15	13	14
01.10.16	30.06.19	5	12	13	10	14.975	15	15	15	13	15
01.07.19	now	5	12	12	11	14.975	15	15	15	13	15

AB - Alberta

BC - British Columbia

MB - Manitoba

NB - New Brunswick

NL - Newfoundland and Labrador

NT - Northwest Territories

NS - Nova Scotia

NU - Nunavut

ON - Ontario

PE - Prince Edward Island

QC - Quebec

SK - Saskatchewan

YT - Yukon

Product specifications

Oil products

	High sulphur fuel oil	Light fuel oil	Automotive diesel	Premium unleaded (97 RON) gasoline	Premium unleaded (95 RON) gasoline	Regular unleaded gasoline
Quality	HFO no. 6	LFO no. 2 (furnace)		Premium unleaded 91 RdON	Premium unleaded 89 RdON	Regular unleaded 87 RdON
Octane number				97	95	92
Density (kg/l)	0.95	0.83				
Magnesium content (g/l)				18	18	18
Delivery size	Tank-wagon loads					

Natural gas and coal

	Natural gas	Steam coal	Coking coal
NCV (kcal/kg)		7 127	7 164
GCV (kcal/m ³)	8 892		

CHILE**Table 1 - Average prices and taxes in Chilean pesos**

Low sulphur fuel oil for industry (per tonne)					High sulphur fuel oil for industry (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020
Light fuel oil for industry (per 1000 litres)					Light fuel oil for households (per 1000 litres)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	390 110	-2 564	74 121	71 557	461 667
2010	407 621	-909	77 448	76 539	484 160
2011	503 315	-13 203	95 630	82 427	585 742
2012	525 657	-16 182	99 875	83 693	609 350
2013	525 723	-	99 887	99 887	625 611
2014	590 795	2 367	112 251	114 618	705 412
2015	513 850	11 876	97 631	109 508	623 358
2016	466 995	3 510	88 729	92 239	559 234
2017	467 202	-863	88 768	87 906	555 108
2018	551 505	-205	104 786	104 581	656 086
2019	560 406	-	106 477	106 477	666 884
3Q2019	551 814	-	104 845	104 845	656 659
4Q2019	584 999	-	111 150	111 150	696 149
1Q2020	586 622	-	111 458	111 458	698 080
2Q2020	479 756	-	91 154	91 154	570 910
3Q2020
Automotive diesel for commercial use (per litre)					Automotive diesel for non-commercial use (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	311.4	54.0	59.2	113.2	424.6
2010	359.7	54.6	68.3	123.0	482.6
2011	441.5	54.2	83.9	138.1	579.6
2012	460.2	59.1	87.4	146.6	606.7
2013	465.4	60.4	88.4	148.8	614.2
2014	505.2	66.6	96.0	162.6	667.8
2015	370.7	70.0	70.4	140.4	511.1
2016	308.2	65.7	58.6	124.3	432.4
2017	350.0	69.5	66.5	136.0	486.0
2018	428.2	71.3	81.4	152.7	580.8
2019	425.9	85.7	80.9	166.7	592.6
3Q2019	416.2	83.5	79.1	162.6	578.8
4Q2019	447.1	77.4	85.0	162.4	609.5
1Q2020	470.8	81.5	89.5	171.0	641.8
2Q2020	421.3	72.9	80.0	153.0	574.2
3Q2020

CHILE**Table 2 - Average prices and taxes in Chilean pesos**

Premium unleaded (95 RON) gasoline (per litre)						Regular unleaded gasoline (per litre)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	307.6	154.9	58.5	213.3	521.0	297.0	149.5	56.4	205.9	502.9
2010	356.4	211.4	67.7	279.1	635.5	347.4	206.0	66.0	272.0	619.4
2011	424.1	229.2	80.6	309.7	733.8	414.0	223.8	78.7	302.4	716.4
2012	459.3	239.5	87.3	326.8	786.1	446.5	232.8	84.8	317.7	764.2
2013	466.1	246.8	88.6	335.4	801.4	454.0	240.4	86.3	326.7	780.7
2014	513.4	265.2	97.6	362.7	876.1	499.5	257.6	94.9	352.5	852.0
2015	401.3	273.8	76.3	350.0	751.4	382.1	260.6	72.6	333.2	715.3
2016	354.7	284.8	67.4	352.2	706.9	339.9	272.8	64.6	337.3	677.2
2017	377.8	288.3	71.8	360.0	737.9	363.0	277.0	69.0	346.0	709.0
2018	425.6	298.9	80.9	379.8	805.5	412.4	289.5	78.3	367.9	780.2
2019	411.6	315.8	78.2	394.0	805.6	397.3	304.9	75.5	380.3	777.7
3Q2019	416.5	314.0	79.1	393.1	809.7	401.8	302.9	76.3	379.3	781.1
4Q2019	432.8	315.8	82.2	398.0	830.8	415.5	303.1	78.9	382.0	797.5
1Q2020	450.5	328.6	85.6	414.2	864.7	436.0	318.1	82.8	400.9	836.9
2Q2020	420.0	306.4	79.8	386.2	806.2	403.7	294.5	76.7	371.2	774.9
3Q2020
Automotive LPG for non-commercial use (per litre)						Natural gas for industry (per megawatt hour GCV)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009
2010	x	x	x	x	x	c	c	c	c	c
2011	x	x	x	x	x	c	c	c	c	c
2012	x	x	x	x	x	c	c	c	c	c
2013	x	x	x	x	x	c	c	c	c	c
2014	x	x	x	x	x	c	c	c	c	c
2015	x	x	x	x	x	c	c	c	c	c
2016	x	x	x	x	x	c	c	c	c	c
2017	x	x	x	x	x	c	c	c	c	c
2018	x	x	x	x	x	c	c	c	c	c
2019	x	x	x	x	x	c	c	c	c	c
3Q2019	x	x	x	x	x	c	c	c	c	c
4Q2019	x	x	x	x	x	c	c	c	c	c
1Q2020	x	x	x	x	x	c	c	c	c	c
2Q2020	x	x	x	x	x	c	c	c	c	c
3Q2020	x	x	x	x	x	c	c	c	c	c
Natural gas for electricity generation (per megawatt hour GCV)						Natural gas for households (per megawatt hour GCV)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	45 050	-	8 560	8 560	53 610
2010	c	c	c	c	c	50 581	-	9 610	9 610	60 191
2011	c	c	c	c	c	56 008	-	10 641	10 641	66 649
2012	c	c	c	c	c	51 053	-	9 700	9 700	60 753
2013	c	c	c	c	c	46 591	-	8 852	8 852	55 443
2014	c	c	c	c	c	49 231	-	9 354	9 354	58 585
2015	c	c	c	c	c	47 911	-	9 103	9 103	57 014
2016	c	c	c	c	c	51 002	-	9 690	9 690	60 692
2017	c	c	c	c	c	55 528	-	10 550	10 550	66 078
2018	c	c	c	c	c	63 372	-	12 041	12 041	75 413
2019	c	c	c	c	c	66 243	-	12 586	12 586	78 830
3Q2019	c	c	c	c	c	65 295	-	12 406	12 406	77 702
4Q2019	c	c	c	c	c	66 666	-	12 666	12 666	79 332
1Q2020	c	c	c	c	c	67 432	-	12 812	12 812	80 244
2Q2020	c	c	c	c	c	67 986	-	12 917	12 917	80 904
3Q2020	c	c	c	c	c

CHILE**Table 3 - Average prices and taxes in Chilean pesos**

Steam coal for industry (per tonne)					Steam coal for electricity generation (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	53 337	-	-	-	53 337
2010	42 646	-	-	-	42 646
2011	51 657	-	-	-	51 657
2012	46 817	-	-	-	46 817
2013	44 485	-	-	-	44 485
2014	47 442	-	-	-	47 442
2015	47 093	-	-	-	47 093
2016	44 375	-	-	-	44 375
2017	57 420	-	-	-	57 420
2018	62 996	-	-	-	62 996
2019	53 397	-	-	-	53 397
3Q2019	47 544	-	-	-	47 544
4Q2019	48 509	-	-	-	48 509
1Q2020	51 109	-	-	-	51 109
2Q2020	50 069	-	-	-	50 069
3Q2020
Steam coal for households (per tonne)					Coking coal for industry (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	109 897	-	-	-	109 897
2010	66 588	-	-	-	66 588
2011	119 941	-	-	-	119 941
2012	108 322	-	-	-	108 322
2013	60 175	-	-	-	60 175
2014	85 170	-	-	-	85 170
2015	69 325	-	-	-	69 325
2016	64 780	-	-	-	64 780
2017	131 139	-	-	-	131 139
2018	137 067	-	-	-	137 067
2019	159 983	-	-	-	159 983
3Q2019	143 092	-	-	-	143 092
4Q2019	118 323	-	-	-	118 323
1Q2020	115 761	-	-	-	115 761
2Q2020	133 851	-	-	-	133 851
3Q2020
Electricity for industry (per megawatt hour)					Electricity for households (per megawatt hour)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	88 009	-	-	-	88 009	100 135	-	19 026	19 026	119 161
2010	77 287	-	-	-	77 287	89 494	-	17 004	17 004	106 498
2011	74 614	-	-	-	74 614	85 632	-	16 270	16 270	101 902
2012	61 573	-	-	-	61 573	75 709	-	14 385	14 385	90 093
2013	58 452	-	-	-	58 452	71 714	-	13 626	13 626	85 340
2014	59 255	-	-	-	59 255	72 620	-	13 798	13 798	86 417
2015	75 009	-	-	-	75 009	86 793	-	16 491	16 491	103 284
2016	84 320	-	-	-	84 320	96 246	-	18 287	18 287	114 533
2017	97 192	-	-	-	97 192	108 655	-	20 644	20 644	129 299
2018	101 835	-	-	-	101 835	106 253	-	20 188	20 188	126 441
2019	112 181	-	-	-	112 181	115 951	-	22 031	22 031	137 982
3Q2019	122 782	-	-	-	122 782	125 533	-	23 851	23 851	149 384
4Q2019	117 072	-	-	-	117 072	120 163	-	22 831	22 831	142 994
1Q2020	130 287	-	-	-	130 287	120 011	-	22 802	22 802	142 813
2Q2020	130 287	-	-	-	130 287	117 024	-	22 235	22 235	139 258
3Q2020

CHILE**Table 4 - Indices of energy prices**

	Oil products		Electricity		Natural gas		Coal	
	Wholesale	Retail 2013 = 100	Wholesale	Retail 2013 = 100	Wholesale	Retail 2013 = 100	Wholesale	Retail 2013 = 100
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014	..	108.1	..	101.3	..	106.4	..	111.6
2015	..	91.9	..	118.3	..	90.7	..	124.3
2016	..	86.9	..	129.5	..	95.1	..	129.4
2017	..	91.6	..	129.2	..	103.0	..	132.7
2018	..	100.1	..	129.8	..	115.4	..	133.7
2019
3Q2012
4Q2012
1Q2013
2Q2013
3Q2013
4Q2013
1Q2014	..	106.0	..	100.1	..	104.6	..	104.6
2Q2014	..	109.0	..	100.5	..	108.6	..	111.0
3Q2014	..	111.2	..	100.6	..	108.7	..	114.5
4Q2014	..	106.0	..	103.9	..	103.7	..	116.6
1Q2015	..	86.7	..	112.7	..	90.3	..	119.7
2Q2015	..	92.1	..	117.3	..	88.3	..	123.9
3Q2015	..	97.2	..	121.8	..	90.8	..	126.3
4Q2015	..	91.5	..	121.3	..	93.6	..	127.4
1Q2016	..	84.0	..	127.6	..	94.8	..	127.4
2Q2016	..	86.7	..	131.9	..	94.8	..	129.7
3Q2016	..	86.9	..	129.8	..	94.9	..	130.5
4Q2016	..	89.8	..	128.7	..	95.9	..	129.9
1Q2017	..	92.1	..	129.2	..	101.1	..	131.9
2Q2017	..	91.0	..	129.5	..	103.6	..	132.5
3Q2017	..	89.7	..	128.6	..	103.6	..	133.0
4Q2017	..	93.5	..	129.6	..	103.8	..	133.6
1Q2018	..	95.0	..	129.7	..	110.3	..	133.3
2Q2018	..	97.2	..	130.3	..	112.2	..	133.6
3Q2018	..	102.8	..	133.0	..	114.4	..	133.7
4Q2018	..	105.3	..	126.2	..	124.9	..	134.1
1Q2019
2Q2019
3Q2019
4Q2019
1Q2020	-	-	-	-	-	-	-	-
2Q2020	-	-	-	-	-	-	-	-
3Q2020	-	-	-	-	-	-	-	-

CHILE

Sources

Data for all energy products are provided on a quarterly basis by the **Ministry of Energy**.

Data collection methodology

Oil products

Prices for light fuel oil, automotive diesel, as well as regular and premium unleaded (97 and 95 RON) gasolines, are calculated by the Ministry of Energy based on the average end-use prices at filling stations published in the National Energy Commission's monthly *Precio Mensual Regional de Combustibles* report.

Ex-tax prices for all oil products are subsequently derived by the Ministry of Energy, based on the tax structures published in the National Energy Commission's monthly *Estructura de Precios de Combustibles en la Región Metropolitana* report. Unleaded premium gasoline (95 RON) taxes are used to calculate the ex-tax prices for unleaded premium gasoline (97 RON), as both grades are taxed at an equal rate.

Gasoline, automotive diesel and light fuel oil prices refer to the metropolitan region only.

Automotive LPG consumption in Chile is very low and limited to taxis and some industrial transport services. Automotive LPG prices therefore considered as not applicable.

Natural gas

End-use prices are calculated by the Ministry of Energy based on the National Energy Commission's natural gas price reports. These reports are in turn based on the pricing information published by distribution companies on their websites.

Ex-tax prices for households are subsequently derived by the Ministry of Energy by subtracting VAT from the end-use price, as households are not subject to excise taxation.

From 1Q2015 onwards, prices refer to the weighted average of the prices charged by the three main natural gas providers in the country: Metrogas (in the metropolitan region of Santiago, covering 87.8% of national consumption in 2016), GasValpo (in the Valparaíso region, covering 8.1% of national consumption in 2016), and GasSur (Bío-Bío region, covering 3.3% of national consumption in 2016).

Until 4Q2014, prices for households refer to the metropolitan region of Santiago only.

Prices for industry are confidential as they are the result of private contracts between companies and natural gas providers.

Steam and coking coal

Prices are calculated by the Ministry of Energy based on import statistics supplied by the National Customs Office. Prices exclude domestically produced coal.

Electricity

Prices for industry are calculated by the Ministry of Energy based on the *Informe de Tarifas de Suministro Eléctrico para Clientes Regulados, Tarifa AT-4* published by different utilities. Prices include industrial consumers in the regulated market only (around 60% of total industrial consumption).

Prices for households are calculated by the Ministry of Energy based on the *Informe de Tarifas de Suministro Eléctrico para Clientes Regulados, Tarifa BT-1 tramo de Equidad Tarifaria Residencial T0*, published by different utilities.

From 1Q2017 onwards, prices for households and industry are calculated as weighted averages of the data reported by eight distribution companies, which cover more than the 86% of the total market share of the previous year. Companies considered are CGE (SIC3, SIC4, SIC5), SAESA (SIC6), CONAFE (SIC1), ELECDA (SING), CHILQUINTA (SIC2) and ENEL (SIC3). Until 4Q2016, the prices reported refer to prices charged by *Enel Distribución*, which covers the Metropolitan region of Santiago.

Ex-tax prices for households are subsequently derived by the Ministry of Energy by subtracting VAT from the end-use price, as households are not subject to excise taxation.

Energy price indices

Annual indices are 12-month averages. Quarterly indices refer to the 3-month average.

The retail index for oil products refers to a consumption-weighted average of the Consumer Price Indices (CPIs) for gasoline (Series ID 7.2.2.1.1, *Gasolina*), diesel (Series ID 7.2.2.1.2, *Petróleo diesel*) and lubricants and oils for personal transport equipment (Series ID 7.2.2.2.1, *Lubricantes y aceites para el automóvil*).

The retail price index for electricity refers to the CPI for electricity (Series ID 4.4.1.1.1, *Electricidad*).

The retail price index for natural gas refers to the CPI for piped gas (Series ID 4.4.2.1.1, *Gas por red*).

The retail price index for coal refers to the CPI for coal (Series ID 4.4.3.1.1, *Carbón*).

Energy taxation

VAT

VAT (*IVA*) applies to all energy products. VAT is refunded for purchases for commercial purposes. Therefore, it is not included in prices shown for the industrial and electricity generation sectors, as well as for automotive fuels for commercial use.

In Chile, VAT is paid on the ex-tax price only, instead of the sum of ex-tax price and excise tax, as is the case in most countries.

From	To	%
01.01.98	30.09.03	18
01.10.03	now	19

Excise tax

Gasoline and automotive diesel sales are subject to an excise taxation regime in which the final tax rate per litre is calculated as the sum of a fixed component (IEC) and a variable component (MEPCO) designed to protect consumers from variations in international prices. Light fuel oil is only subject to a variable tax component (FEPCO).

Natural gas, coal and electricity are not subject to any form of excise taxation.

Tax applicability table (not exhaustive)

	HSFO	LFO	Diesel	Gasoline	LPG	Natural gas	Steam coal	Coking coal	Electricity
IEC			x	x	x				
MEPCO			x	x	x				
FEPCO		x							

Fuel tax (*Impuesto Específico a los Combustibles - IEC*)

The IEC was introduced in 1986 by Law 18.502. The law sets a fixed rate for automotive diesel, gasoline, automotive LPG and automotive compressed natural gas (CNG), expressed in Unidades Tributarias Mensuales (UTM) per cubic meter. UTM are a floating currency unit, expressed in Chilean pesos, that is adjusted monthly in line with the consumer price index.

Diesel sales for off-road use are entitled to a full refund of the IEC, as set out by Law 18.502. Additionally, Law 19.764 establishes that transport companies who own or rent lorries with a gross weight exceeding 3 860 kg are entitled to a partial refund of their excise tax expenses.

The tax rates in pesos are therefore automatically indexed and calculated as 1.5 UTM/m³ for diesel, 6 UTM/m³ for all gasoline grades, 1.4 UTM/m³ for automotive LPG and 1.93 UTM/1000m³ for automotive compressed natural gas. These bases have remained stable since 2011.

Fuel price stabilization mechanism charges (*Mecanismo de Estabilización de Precios de los Combustibles -MEPCO*)

The MEPCO was introduced in July 2014 to replace the SIPCO (*Sistema de Protección al Contribuyente del Impuesto Específico a los Combustibles*), which served a similar purpose in stabilizing variations in international market prices for fuels, given Chile's dependence on energy imports.

The characteristics of the system were established by the Law 20.765. Before its introduction, excise taxes for gasoline were calculated through the SIPCO system, which followed the FEPCO, detailed in the following section.

This variable component can act either as a tax or as a subsidy (shown in this publication as a negative tax), depending on the comparison between a calculated “parity price” and a reference price, based on the West Texas Intermediate spot price and a refining differential. The main differences between the MEPCO and the SIPCO are the narrower price bands and that stabilization is applied to prices expressed in local currency instead of US dollars (the SIPCO was computed with prices expressed in US dollars).

Once calculated, this variable component is added or subtracted to the fixed component (IEC).

Oil product price stabilization fund charges (*Fondo de Estabilización de Precios de Combustibles Derivados de Petróleo - FEPCO*)

The FEPCO was introduced in September 2005 as a temporary mechanism to stabilize variations in international market prices for oil products.

Since the introduction of the SIPCO, the FEPCO system is applied exclusively to fuel oil for households and is defined, in its current form, in Law 19.030 (“on the creation of the oil stabilization fund”).

The mechanism for calculating the applicable tax rate involves calculating a “parity price”, using historical data, and comparing it with a reference price. If the former is higher than the latter, the mechanism functions as a subsidy, resulting in a negative excise tax.

As IEC does not apply to light fuel oil, there is no fixed component in the excise taxes applicable to this fuel.

Product specifications

Oil products

	Light fuel oil	Automotive diesel	Premium unleaded (97 RON) gasoline	Premium unleaded (95 RON) gasoline	Regular unleaded gasoline	Automotive LPG
Quality	Kerosene doméstico	Petróleo diesel grado A1	Gasolina 97 NOR sin plomo RM	Gasolina 95 NOR sin plomo RM	Gasolina 93 NOR sin plomo RM	Gas licuado mezca comercial
Density (kg/l)	0.81	0.84	0.73	0.73	0.73	0.522
Sulphur content (%)	<0.015	<0.0015	<0.0015	<0.0015	<0.0015	
NCV (kcal/kg)		10 900				
Delivery size	<24 000 tonne/ year					

Natural gas and coal

	Natural gas	Steam coal <i>electricity generation</i>
NCV (kcal/kg)		7 000
GCV (kcal/m ³)	9 341	

CZECH REPUBLIC**Table 1 - Average prices and taxes in Czech koruny**

Low sulphur fuel oil for industry (per tonne)					High sulphur fuel oil for industry (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	6 296	472	-	472	6 768	c	c	c	c	c
2010	7 572	472	-	472	8 044	c	c	c	c	c
2011	8 874	472	-	472	9 346	c	c	c	c	c
2012	10 117	472	-	472	10 589	c	c	c	c	c
2013	9 980	472	-	472	10 452	c	c	c	c	c
2014	9 590	472	-	472	10 062	c	c	c	c	c
2015	6 841	472	-	472	7 313	c	c	c	c	c
2016	5 519	472	-	472	5 991	c	c	c	c	c
2017	6 150	472	-	472	6 622	c	c	c	c	c
2018	8 901	472	-	472	9 373	c	c	c	c	c
2019	9 595	472	-	472	10 067	c	c	c	c	c
3Q2019	9 598	472	-	472	10 070	c	c	c	c	c
4Q2019	9 437	472	-	472	9 909	c	c	c	c	c
1Q2020	10 988	472	-	472	11 460	c	c	c	c	c
2Q2020	7 108	472	-	472	7 580	c	c	c	c	c
3Q2020	c	c	c	c	c
Light fuel oil for industry (per 1000 litres)					Light fuel oil for households (per 1000 litres)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	10 270	660	-	660	10 930	10 270	660	3 842	4 502	14 772
2010	12 890	660	-	660	13 550	12 890	660	4 768	5 428	18 318
2011	16 028	660	-	660	16 688	16 028	660	5 396	6 056	22 084
2012	17 900	660	-	660	18 560	17 900	660	5 770	6 430	24 330
2013	17 409	660	-	660	18 069	17 409	660	5 955	6 615	24 024
2014	16 874	660	-	660	17 534	16 874	660	5 843	6 503	23 377
2015	12 665	660	-	660	13 325	12 665	660	4 959	5 619	18 284
2016	10 048	660	-	660	10 708	10 048	660	4 410	5 070	15 118
2017	11 685	660	-	660	12 345	11 685	660	4 753	5 413	17 098
2018	13 676	660	-	660	14 336	13 676	660	5 175	5 835	19 510
2019	13 549	660	-	660	14 209	13 549	660	5 145	5 805	19 354
3Q2019	13 314	660	-	660	13 974	13 314	660	5 096	5 756	19 070
4Q2019	13 693	660	-	660	14 353	13 693	660	5 175	5 835	19 528
1Q2020	12 091	660	-	660	12 751	12 091	660	4 839	5 499	17 590
2Q2020	8 770	660	-	660	9 430	8 770	660	4 141	4 801	13 571
3Q2020
Automotive diesel for commercial use (per litre)					Automotive diesel for non-commercial use (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	12.09	9.95	-	9.95	22.04	12.09	9.95	4.19	14.14	26.22
2010	14.64	10.95	-	10.95	25.59	14.64	10.95	5.12	16.07	30.71
2011	17.61	10.95	-	10.95	28.56	17.61	10.95	5.71	16.66	34.27
2012	19.43	10.95	-	10.95	30.38	19.43	10.95	6.08	17.03	36.46
2013	18.92	10.95	-	10.95	29.87	18.92	10.95	6.27	17.22	36.14
2014	19.04	10.95	-	10.95	29.99	19.04	10.95	6.30	17.25	36.28
2015	14.83	10.95	-	10.95	25.78	14.83	10.95	5.41	16.36	31.20
2016	11.68	10.95	-	10.95	22.63	11.68	10.95	4.75	15.70	27.38
2017	13.43	10.95	-	10.95	24.38	13.43	10.95	5.12	16.07	29.50
2018	15.14	10.95	-	10.95	26.09	15.14	10.95	5.48	16.43	31.56
2019	15.23	10.95	-	10.95	26.18	15.23	10.95	5.50	16.45	31.68
3Q2019	15.27	10.95	-	10.95	26.22	15.27	10.95	5.51	16.46	31.72
4Q2019	15.28	10.95	-	10.95	26.23	15.28	10.95	5.51	16.46	31.74
1Q2020	14.56	10.95	-	10.95	25.51	14.56	10.95	5.36	16.31	30.87
2Q2020	10.79	10.95	-	10.95	21.74	10.79	10.95	4.57	15.52	26.31
3Q2020

CZECH REPUBLIC**Table 2 - Average prices and taxes in Czech koruny**

Premium unleaded (98 RON) gasoline (per litre)					Premium unleaded (95 RON) gasoline (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	12.71	11.84	4.66	16.50	29.21	11.07	11.84	4.35	16.19	27.26
2010	15.33	12.84	5.63	18.47	33.80	13.71	12.84	5.31	18.15	31.86
2011	17.53	12.84	6.07	18.91	36.45	16.00	12.84	5.77	18.61	34.60
2012	19.40	12.84	6.45	19.29	38.69	17.74	12.84	6.12	18.96	36.70
2013	18.81	12.84	6.65	19.49	38.30	17.06	12.84	6.28	19.12	36.18
2014	18.92	12.84	6.67	19.51	38.42	17.02	12.84	6.27	19.11	36.13
2015	15.34	12.84	5.92	18.76	34.09	13.07	12.84	5.44	18.28	31.35
2016	13.10	12.84	5.45	18.29	31.39	10.79	12.84	4.96	17.80	28.60
2017	14.44	12.84	5.73	18.57	33.01	12.21	12.84	5.26	18.10	30.31
2018	16.62	12.84	6.19	19.03	35.64	13.66	12.84	5.56	18.40	32.06
2019	16.67	12.84	6.20	19.04	35.71	13.32	12.84	5.49	18.33	31.34
3Q2019	17.06	12.84	6.28	19.12	36.18	13.96	12.84	5.63	18.47	32.43
4Q2019	16.90	12.84	6.25	19.09	35.99	13.56	12.84	5.54	18.38	31.94
1Q2020	16.04	12.84	6.06	18.90	34.94	12.77	12.84	5.38	18.22	30.99
2Q2020	12.16	12.84	5.25	18.09	30.25	8.76	12.84	4.54	17.38	26.14
3Q2020
Automotive LPG for non-commercial use (per litre)					Natural gas for industry (per megawatt hour GCV)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	8.52	2.16	2.03	4.19	12.71	834.5	30.6	-	30.6	865.1
2010	10.02	2.16	2.44	4.60	14.62	839.8	30.6	-	30.6	870.4
2011	12.13	2.16	2.86	5.02	17.15	866.6	30.6	-	30.6	897.2
2012	12.64	2.16	2.96	5.12	17.76	923.3	30.6	-	30.6	953.9
2013	12.21	2.16	3.02	5.18	17.39	895.3	30.6	-	30.6	925.9
2014	12.32	2.16	3.04	5.20	17.52	857.9	30.6	-	30.6	888.5
2015	9.95	2.16	2.54	4.70	14.66	798.5	30.6	-	30.6	829.1
2016	8.09	2.16	2.15	4.31	12.41	709.5	30.6	-	30.6	740.1
2017	9.33	2.16	2.41	4.57	13.90	660.8	30.6	-	30.6	691.4
2018	9.97	2.16	2.55	4.71	14.68	670.7	30.6	-	30.6	701.3
2019	9.53	2.16	2.46	4.62	14.15	719.2	30.6	-	30.6	749.8
3Q2019	9.28	2.16	2.40	4.56	13.85	705.2	30.6	-	30.6	735.8
4Q2019	9.21	2.16	2.39	4.55	13.76	715.0	30.6	-	30.6	745.6
1Q2020	9.17	2.16	2.38	4.54	13.71	672.5	30.6	-	30.6	703.1
2Q2020	7.73	2.16	2.08	4.24	11.97	672.5	30.6	-	30.6	703.1
3Q2020
Natural gas for electricity generation (per megawatt hour GCV)					Natural gas for households (per megawatt hour GCV)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	1 121.9	-	213.2	213.2	1 335.0
2010	1 090.0	-	218.0	218.0	1 308.0
2011	1 220.8	-	244.2	244.2	1 464.9
2012	1 426.7	-	285.4	285.4	1 712.1
2013	1 357.1	-	285.0	285.0	1 642.1
2014	1 320.7	-	277.4	277.4	1 598.1
2015	1 361.1	-	285.8	285.8	1 646.9
2016	1 296.6	-	272.3	272.3	1 568.8
2017	1 264.5	-	265.6	265.6	1 530.1
2018	1 255.9	-	263.7	263.7	1 519.6
2019	1 308.3	-	274.8	274.8	1 583.1
3Q2019	1 312.2	-	275.6	275.6	1 587.8
4Q2019	1 312.2	-	275.6	275.6	1 587.8
1Q2020	1 315.5	-	276.3	276.3	1 591.7
2Q2020	1 315.5	-	276.3	276.3	1 591.7
3Q2020

CZECH REPUBLIC**Table 3 - Average prices and taxes in Czech koruny**

Steam coal for industry (per tonne)						Steam coal for electricity generation (per tonne)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	c	c	c	c	c	c	c	c	c	c
2010	c	c	c	c	c	c	c	c	c	c
2011	c	c	c	c	c	c	c	c	c	c
2012	c	c	c	c	c	c	c	c	c	c
2013	c	c	c	c	c	c	c	c	c	c
2014	c	c	c	c	c	c	c	c	c	c
2015	c	c	c	c	c	c	c	c	c	c
2016	c	c	c	c	c	c	c	c	c	c
2017	c	c	c	c	c	c	c	c	c	c
2018	c	c	c	c	c	c	c	c	c	c
2019	c	c	c	c	c	c	c	c	c	c
3Q2019	c	c	c	c	c	c	c	c	c	c
4Q2019	c	c	c	c	c	c	c	c	c	c
1Q2020	c	c	c	c	c	c	c	c	c	c
2Q2020	c	c	c	c	c	c	c	c	c	c
3Q2020	c	c	c	c	c	c	c	c	c	c
Steam coal for households (per tonne)						Coking coal for industry (per tonne)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	2 573	133	514	647	3 220	c	c	c	c	c
2010	2 615	133	550	683	3 298	c	c	c	c	c
2011	2 680	133	563	696	3 376	c	c	c	c	c
2012	2 645	133	556	689	3 334	c	c	c	c	c
2013	2 656	133	586	719	3 375	c	c	c	c	c
2014	2 640	133	583	716	3 356	c	c	c	c	c
2015	2 617	133	578	711	3 328	c	c	c	c	c
2016	2 700	133	595	728	3 428	c	c	c	c	c
2017	2 796	133	615	748	3 544	c	c	c	c	c
2018	2 915	133	640	773	3 688	c	c	c	c	c
2019	3 032	133	664	797	3 829	c	c	c	c	c
3Q2019	3 015	133	661	794	3 809	c	c	c	c	c
4Q2019	3 079	133	674	807	3 886	c	c	c	c	c
1Q2020	3 140	133	687	820	3 960	c	c	c	c	c
2Q2020	3 082	133	675	808	3 890	c	c	c	c	c
3Q2020	c	c	c	c	c
Electricity for industry (per megawatt hour)						Electricity for households (per megawatt hour)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	2 785	28	-	28	2 813	3 191	28	612	640	3 831
2010	2 717	28	-	28	2 745	3 064	28	618	646	3 710
2011	2 795	28	-	28	2 824	3 224	28	650	678	3 902
2012	2 802	28	-	28	2 831	3 367	28	679	707	4 074
2013	2 883	28	-	28	2 911	3 457	28	732	760	4 217
2014	2 522	28	-	28	2 550	3 070	28	651	679	3 749
2015	2 374	28	-	28	2 402	3 060	28	648	676	3 736
2016	2 157	28	-	28	2 185	3 122	28	662	690	3 812
2017	2 041	28	-	28	2 069	3 127	28	663	691	3 818
2018	2 066	28	-	28	2 094	3 262	28	691	719	3 981
2019	2 356	28	-	28	2 384	3 617	28	765	793	4 410
3Q2019	2 366	28	-	28	2 394	3 637	28	770	798	4 435
4Q2019	2 397	28	-	28	2 425	3 693	28	781	809	4 502
1Q2020	2 552	28	-	28	2 580	3 868	28	818	846	4 714
2Q2020	2 557	28	-	28	2 586	3 908	28	827	855	4 763
3Q2020

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Table 4 - Indices of energy prices

	Oil products		Electricity		Natural gas		Coal	
	Wholesale	Retail 2015 = 100	Wholesale 2015 = 100	Retail 2015 = 100	Wholesale 1995 = 100	Retail 2015 = 100	Wholesale 2000 = 100	Retail 2015 = 100
1999	..	72.5	58.7	48.6	..	30.7	104.9	49.3
2000	..	90.5	60.8	56.0	..	35.3	100.0	50.4
2001	..	85.8	64.3	64.3	..	46.3	102.2	51.6
2002	..	77.7	67.3	70.3	..	46.9	101.9	53.0
2003	..	78.8	65.2	67.0	..	47.4	102.2	54.1
2004	..	85.2	68.4	68.3	..	47.9	107.8	56.5
2005	..	91.2	74.4	71.0	..	54.1	126.4	58.4
2006	..	94.0	81.0	77.4	..	64.4	125.6	62.8
2007	..	93.6	88.5	83.5	..	61.3	..	73.6
2008	..	97.3	98.4	91.4	..	76.1	..	87.4
2009	..	85.8	109.7	102.1	..	80.9	..	90.7
2010	..	100.4	105.9	99.3	..	78.9	..	92.4
2011	..	110.3	111.2	104.0	..	88.2	..	95.7
2012	..	117.0	112.4	108.4	..	103.1	..	96.3
2013	..	115.4	115.9	111.9	..	99.6	..	98.2
2014	..	115.6	102.8	100.4	..	97.0	..	99.3
2015	..	100.0	100.0	100.0	..	100.0	..	100.0
2016	..	91.3	93.8	101.2	..	95.2	..	101.1
2017	..	97.3	91.8	101.5	..	92.6	..	106.5
2018	..	103.3	94.2	105.9	..	91.8	..	110.5
2019	..	102.8	104.2	117.2	..	94.8	..	111.5
3Q2012	..	117.9	112.2	108.4	..	103.1	..	95.5
4Q2012	..	115.9	112.6	108.4	..	103.2	..	96.9
1Q2013	..	115.3	116.1	112.0	..	105.4	..	98.1
2Q2013	..	114.4	115.6	112.0	..	101.0	..	97.5
3Q2013	..	117.0	115.6	112.0	..	96.1	..	98.0
4Q2013	..	114.9	116.1	111.8	..	96.1	..	99.3
1Q2014	..	115.7	102.8	100.3	..	95.7	..	99.9
2Q2014	..	115.5	102.6	100.3	..	95.7	..	98.7
3Q2014	..	117.7	102.6	100.4	..	98.3	..	98.9
4Q2014	..	113.5	102.8	100.6	..	98.3	..	99.6
1Q2015	..	98.8	100.1	100.0	..	100.0	..	100.0
2Q2015	..	103.8	99.9	100.0	..	100.0	..	100.1
3Q2015	..	102.8	99.9	100.0	..	100.0	..	99.5
4Q2015	..	94.6	100.0	100.0	..	100.0	..	100.4
1Q2016	..	86.5	93.8	101.2	..	99.5	..	100.8
2Q2016	..	91.0	93.8	101.2	..	95.2	..	100.0
3Q2016	..	93.0	93.7	101.2	..	93.1	..	100.6
4Q2016	..	94.8	93.7	101.2	..	93.1	..	102.9
1Q2017	..	99.5	91.9	101.5	..	93.1	..	105.6
2Q2017	..	97.7	91.7	101.5	..	92.4	..	105.5
3Q2017	..	94.6	91.7	101.5	..	92.4	..	105.7
4Q2017	..	97.2	91.8	101.5	..	92.4	..	109.0
1Q2018	..	97.9	93.4	104.3	..	92.0	..	111.0
2Q2018	..	102.6	93.6	105.1	..	91.7	..	109.5
3Q2018	..	106.2	94.6	107.0	..	91.7	..	110.3
4Q2018	..	106.4	95.1	107.2	..	91.9	..	111.1
1Q2019	..	99.2	102.9	114.4	..	94.2	..	112.2
2Q2019	..	105.1	103.9	117.3	..	95.0	..	110.9
3Q2019	..	104.0	104.3	117.8	..	95.0	..	111.3
4Q2019	..	103.0	105.6	119.2	..	95.0	..	111.6
1Q2020	..	100.4	113.7	125.2	..	95.4	..	112.0
2Q2020	..	84.9	114.0	126.7	..	95.4	..	110.9
3Q2020

CZECH REPUBLIC

Sources

Data for all energy products, including energy price indices, are provided on a quarterly basis by the **Czech Statistical Office (CZSO)**.

Data collection methodology

The independent Czech Republic was formed on 1 January 1993. The prices and taxes listed before 1Q93 are for Czechoslovakia. Certain historical series have been revised by the Czech Administration.

Oil products

Oil product prices are collected based on prices and quantities sold by a network of respondents throughout the Czech Republic.

Prices for transport fuels are collected from 9 oil companies, operating 1 789 public petrol stations, which represent 46% of all public petrol stations in the country. Approximate shares of surveyed enterprises in total road transport consumption of oil products are as follows: (at least) 56% for premium unleaded gasoline, 50% for automotive diesel and 44% for LPG.

In 2018, the geographical representativeness of prices for low sulphur fuel oil for industry is 77% and 68% for light fuel oil for industry.

Natural gas

Prices of natural gas are surveyed by the national statistical questionnaire *Ceny E 6-04*.

Average prices of natural gas per consumption band are calculated as the weighted average of prices recorded by the most important natural gas traders weighted by their market shares in each bands.

Quarterly average prices for industry are calculated as weighted average of the average prices per consumption bands weighted by their share in annual consumption.

Natural gas prices for industry are estimated to be representative for 80-85% of total consumption in this segment. Prices for households are representative for 85% of total residential consumption.

Steam and coking coal

Steam coal prices for industry and electricity generation, as well as coking coal prices for industry, are confidential.

The geographical and sectoral representativeness of prices for steam coal used in households are 100%. Prices are collected from 21 suppliers, of which 8 are located in Prague and 13 in the other regions.

Electricity

Prices for households are surveyed from the price lists of major electricity traders, referring to selected households from all voltage networks.

Price lists contain all components of the price paid by households, including the price of electricity consumed, the monthly fees for the consumption point, the price for the volume of electricity distributed, the fee for input depending on the size of the main circuit breaker in front of the electricity meter, the renewable energy surcharge, the price of system services, the price of market operator services per consumption point, as well as excise taxes and VAT. Prices for households are representative for 85% of total residential consumption.

Quarterly average prices for industry are calculated as weighted average of the average prices per consumption bands weighted by their share in annual consumption.

Prices for industry are estimated to be representative for 80% of total consumption in the segment.

Energy price indices

Wholesale price indices for oil products are Producer Price Indices (PPIs) for oil products excluding VAT and cost of transport to consumer and related costs.

Retail price indices for oil products are Consumer Price Indices (CPIs) for liquid fuels including VAT, excise tax, cost of transport to service stations and related costs.

Wholesale price indices for electricity are PPIs for electricity excluding VAT and including cost of transport to consumers and related costs.

Retail price indices for electricity are CPIs for electricity including VAT, cost of transport to consumers and related costs.

Retail price indices for natural gas are CPIs for natural gas including VAT, cost of transport to consumers and related costs.

Wholesale price indices for coal are PPIs for coal excluding VAT and cost of transfer to consumers and

related costs. This index series has not been available since 2006.

Retail price indices for coal are CPIs for coal including VAT, cost of transport to consumer and related costs.

Energy taxation

VAT

VAT (*DPH*) is refunded for purchases for commercial purposes. Therefore, it is not included in prices shown for the industrial and electricity generation sectors, as well as for automotive fuels for commercial use.

From	To	%
01.01.93	30.06.94	5
01.07.94	31.12.94	23
01.01.95	30.04.04	22
01.05.04	31.12.09	19
01.01.10	31.12.12	20
01.01.13	now	21

Excise tax

Excise taxes on commercial energy products in the Czech Republic are levied in accordance with the 2003 EU Energy Taxation Directive.

Excise duties (*Spotřební daň*)

From	To	Heavy fuel oil (CZK/tonne)	Light fuel oil (CZK/1000l)	Automotive diesel (CZK/l)	Gasoline (CZK/l)	Automotive LPG (CZK/l)
01.01.93	31.12.93			6.95	7.18	1.3
01.01.94	31.12.94			6.95	7.69	1.3
01.01.95	31.12.95		660	7.03	7.77	1.3
01.01.96	31.12.97		660	7.03	8.79	1.3
01.01.98	30.06.99		660	7.33	9.84	1.57
01.07.99	31.12.03		660	8.15	10.84	1.57
01.01.04	31.12.09	472	660	9.95	11.84	2.16
01.01.10	now	472	660	10.95	12.84	2.16

Environmental tax (*Ekologická daň*)

From	To	Natural gas (CZK/MWh)	Coal (CZK/tonne)	Electricity (CZK/MWh)
01.01.08	now	30.60	90.69	28.30

Tax applicability table (not exhaustive)

	HSFO/LSFO	LFO	Diesel	Gasoline	LPG	Natural gas	Steam coal	Coking coal	Electricity
Excise duties	x	x	x	x	x				
Environmental tax						x	x	x	x

Excise duties (*Spotřební daň*)

Excise duties on oil products (“mineral oils” in the Czech legislation), are defined in their current form in the Excise Tax Law (353/2003) and amendments, which first came in force on 1 January 2004.

Until 4Q2003, light fuel oil used for heating purposes was tax-free. From 1Q2004 onwards, light fuel oil used for heating purposes is subject to a partial refund on the applicable excise duties. The rates shown in the tables at the end of this section are net of rebates.

Environmental tax (*Ekologická daň*)

Electricity, natural gas and solid fuels are generally subject to an environmental tax, as defined in the Law for the Stabilisation of Public Budgets (261/2007) and amendments, which first came in force on 1 January 2008.

Natural gas used for electricity generation and for heating in households is tax-free.

Product specifications

Oil products

	High sulphur fuel oil	Low sulphur fuel oil	Light fuel oil	Automotive diesel	Premium unleaded (98 RON) gasoline	Premium unleaded (95 RON) gasoline	Automotive LPG
Quality					Super Plus 98		Natural 95
Density (kg/l)	0.99	0.91	0.86	0.843	0.76	0.76	0.55
Sulphur content (%)	<3	<1	<0.05	<0.001			
NCV (kcal/kg)	9 532	9 793	10 263	10 177	10 412	10 412	

Natural gas and coal

	Natural gas	Steam coal <i>industry</i>	Steam coal <i>electricity generation</i>	Steam coal <i>households</i>	Coking coal
Quality		Brown coal, industrial mixtures	Brown coal, industrial mixtures	Brown/nut coal no.1	Brown coal, industrial mixtures
GCV (kcal/m ³)	9 030				
NCV (kcal/kg)		3 500 – 4 000	2 100 – 3 000	3 500 – 4 000	6 500

DENMARK**Table 1 - Average prices and taxes in Danish kroner**

Low sulphur fuel oil for industry (per tonne)					Heavy fuel oil for electricity generation (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	2 262	402	-	402	2 664
2010	3 076	626	-	626	3 702
2011	3 711	638	-	638	4 349
2012	4 694	706	-	706	5 399
2013	4 405	776	-	776	5 181
2014	4 133	789	-	789	4 922
2015	2 767	804	-	804	3 571
2016	1 858	749	-	749	2 607
2017	2 724	692	-	692	3 416
2018	3 869	695	-	695	4 564
2019	3 906	704	-	704	4 610
3Q2019	3 789	704	-	704	4 493
4Q2019	3 616	704	-	704	4 320
1Q2020	4 177	710	-	710	4 886
2Q2020	3 026	710	-	710	3 735
3Q2020
Light fuel oil for industry (per 1000 litres)					Light fuel oil for households (per 1000 litres)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	3 742	252	-	252	3 994	3 433	2 176	1 402	3 578	7 011
2010	4 964	422	-	422	5 386	4 633	2 478	1 778	4 256	8 889
2011	6 242	429	-	429	6 671	5 764	2 522	2 072	4 594	10 358
2012	6 325	455	-	455	6 780	6 325	2 586	2 228	4 814	11 139
2013	6 245	481	-	481	6 726	6 245	3 012	2 314	5 326	11 571
2014	5 864	489	-	489	6 353	5 864	3 066	2 233	5 299	11 163
2015	4 859	498	-	498	5 357	4 859	2 453	1 828	4 281	9 141
2016	4 004	483	-	483	4 487	4 004	2 454	1 615	4 069	8 072
2017	4 434	466	-	466	4 900	4 434	2 448	1 720	4 168	8 602
2018	5 480	469	-	469	5 949	5 480	2 461	1 985	4 446	9 927
2019	5 561	474	-	474	6 035	5 063	2 988	2 013	5 000	10 064
3Q2019	5 414	474	-	474	5 888	4 916	2 988	1 976	4 963	9 880
4Q2019	5 584	474	-	474	6 058	5 086	2 988	2 018	5 006	10 092
1Q2020	5 292	478	-	478	5 770	4 790	3 016	1 951	4 967	9 757
2Q2020	3 897	478	-	478	4 375	3 395	3 016	1 603	4 618	8 013
3Q2020
Automotive diesel for commercial use (per litre)					Automotive diesel for non-commercial use (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	3.404	2.850	-	2.850	6.254	3.407	2.850	1.564	4.414	7.822
2010	4.306	2.901	-	2.901	7.207	4.308	2.901	1.802	4.703	9.011
2011	5.447	2.922	-	2.922	8.368	5.450	2.922	2.093	5.014	10.464
2012	5.897	2.965	-	2.965	8.862	5.897	2.966	2.215	5.180	11.077
2013	6.060	2.982	-	2.982	9.059	6.043	3.016	2.265	5.281	11.325
2014	5.490	3.071	-	3.071	8.561	5.485	3.071	2.140	5.211	10.701
2015	4.468	3.127	-	3.127	7.470	4.343	3.127	1.868	4.995	9.337
2016	3.797	3.132	-	3.132	6.929	3.797	3.132	1.732	4.864	8.660
2017	4.288	3.132	-	3.132	7.420	4.288	3.132	1.855	4.987	9.276
2018	5.035	3.148	-	3.148	8.183	5.035	3.148	2.046	5.194	10.228
2019	4.996	3.184	-	3.184	8.180	4.996	3.184	2.045	5.229	10.225
3Q2019	4.827	3.184	-	3.184	8.011	4.827	3.184	2.003	5.187	10.014
4Q2019	5.035	3.184	-	3.184	8.219	5.035	3.184	2.055	5.239	10.274
1Q2020	4.935	3.215	-	3.215	8.150	4.935	3.215	2.038	5.253	10.188
2Q2020	3.555	3.215	-	3.215	6.770	3.555	3.215	1.692	4.907	8.462
3Q2020

DENMARK**Table 2 - Average prices and taxes in Danish kroner**

Premium unleaded (98 RON) gasoline (per litre)						Premium unleaded (95 RON) gasoline (per litre)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	3.710	4.187	1.974	6.161	9.871	3.438	4.187	1.906	6.093	9.531
2010	4.599	4.262	2.215	6.477	11.077	4.348	4.241	2.147	6.388	10.736
2011	5.475	4.338	2.454	6.792	12.267	5.282	4.253	2.384	6.637	11.919
2012	5.999	4.417	2.604	7.021	13.020	5.766	4.330	2.524	6.854	12.620
2013	5.935	4.497	2.608	7.105	13.040	5.703	4.409	2.528	6.937	12.640
2014	x	x	x	x	x	5.184	4.588	2.418	6.906	12.090
2015	x	x	x	x	x	4.297	4.568	2.216	6.784	11.081
2016	x	x	x	x	x	3.752	4.604	2.089	6.693	10.444
2017	x	x	x	x	x	4.327	4.594	2.230	6.824	11.152
2018	x	x	x	x	x	4.838	4.619	2.364	6.983	11.822
2019	x	x	x	x	x	4.835	4.673	2.377	7.050	11.885
3Q2019	x	x	x	x	x	4.850	4.673	2.381	7.054	11.904
4Q2019	x	x	x	x	x	4.748	4.673	2.355	7.028	11.776
1Q2020	x	x	x	x	x	4.571	4.617	2.297	6.914	11.486
2Q2020	x	x	x	x	x	3.456	4.617	2.018	6.635	10.092
3Q2020	x	x	x	x	x
Regular unleaded (92 RON) gasoline (per litre)						Natural gas for industry (per megawatt hour GCV)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	3.390	4.187	1.894	6.081	9.471	157.2	37.4	-	37.4	194.6
2010	4.312	4.241	2.138	6.379	10.691	194.6	60.6	-	60.6	255.2
2011	5.258	4.253	2.378	6.631	11.889	235.6	61.3	-	61.3	296.9
2012	5.742	4.330	2.518	6.848	12.590	235.5	59.6	-	59.6	295.2
2013	5.679	4.409	2.522	6.931	12.610	246.4	67.2	-	67.2	313.6
2014	5.168	4.488	2.414	6.902	12.070	200.3	62.7	-	62.7	262.9
2015	4.280	4.568	2.212	6.780	11.060	193.2	55.4	-	55.4	248.6
2016	3.751	4.587	2.084	6.671	10.422	147.9	54.8	-	54.8	202.7
2017	4.311	4.594	2.226	6.820	11.132	173.0	57.1	-	57.1	230.1
2018	4.815	4.619	2.359	6.978	11.793	216.8	47.3	-	47.3	264.1
2019	4.467	4.673	2.285	6.958	11.425	159.2	61.1	-	61.1	220.3
3Q2019	x	x	x	x	x	144.8	61.2	-	61.2	206.0
4Q2019	x	x	x	x	x	144.8	61.2	-	61.2	206.0
1Q2020	x	x	x	x	x
2Q2020	x	x	x	x	x
3Q2020	x	x	x	x	x
Natural gas for electricity generation (per megawatt hour GCV)						Natural gas for households (per megawatt hour GCV)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	c	c	c	c	c	303.1	189.5	123.1	312.6	615.7
2010	c	c	c	c	c	355.5	216.2	142.9	359.1	714.6
2011	c	c	c	c	c	393.3	220.1	153.3	373.4	766.6
2012	c	c	c	c	c	350.6	225.5	144.0	369.5	720.1
2013	c	c	c	c	c	324.1	263.6	146.9	410.5	734.6
2014	c	c	c	c	c	262.7	269.8	133.1	402.9	665.6
2015	c	c	c	c	c	254.8	212.6	116.8	329.4	584.1
2016	c	c	c	c	c	221.5	212.8	108.6	321.4	542.8
2017	c	c	c	c	c	277.5	222.9	125.1	348.0	625.5
2018	c	c	c	c	c	322.4	212.1	133.6	345.7	668.1
2019	c	c	c	c	c	252.3	231.8	121.0	352.8	605.1
3Q2019	c	c	c	c	c	229.1	231.3	115.1	346.4	575.5
4Q2019	c	c	c	c	c	229.1	231.3	115.1	346.4	575.5
1Q2020	c	c	c	c	c
2Q2020	c	c	c	c	c
3Q2020	c	c	c	c	c

DENMARK**Table 3 - Average prices and taxes in Danish kroner**

Steam coal for industry (per tonne)					Steam coal for electricity generation (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020
Steam coal for households (per tonne)					Coking coal for industry (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	x	x	x	x	x	x	x	x	x	x
2010	x	x	x	x	x	x	x	x	x	x
2011	x	x	x	x	x	x	x	x	x	x
2012	x	x	x	x	x	x	x	x	x	x
2013	x	x	x	x	x	x	x	x	x	x
2014	x	x	x	x	x	x	x	x	x	x
2015	x	x	x	x	x	x	x	x	x	x
2016	x	x	x	x	x	x	x	x	x	x
2017	x	x	x	x	x	x	x	x	x	x
2018	x	x	x	x	x	x	x	x	x	x
2019	x	x	x	x	x	x	x	x	x	x
3Q2019	x	x	x	x	x	x	x	x	x	x
4Q2019	x	x	x	x	x	x	x	x	x	x
1Q2020	x	x	x	x	x	x	x	x	x	x
2Q2020	x	x	x	x	x	x	x	x	x	x
3Q2020	x	x	x	x	x	x	x	x	x	x
Electricity for industry (per megawatt hour)					Electricity for households (per megawatt hour)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	446	189	-	189	635	792	772	391	1 163	1 955
2010	538	141	-	141	680	815	773	397	1 170	1 985
2011	534	149	-	149	683	904	835	435	1 270	2 174
2012	454	243	-	243	697	836	927	441	1 367	2 203
2013	467	254	-	254	721	796	872	417	1 289	2 085
2014	460	220	-	220	680	778	925	426	1 350	2 128
2015	421	224	-	224	645	737	956	423	1 380	2 117
2016	432	229	-	229	661	799	977	444	1 422	2 221
2017	451	155	-	155	606	796	923	430	1 353	2 148
2018	438	149	-	149	587	874	934	452	1 386	2 260
2019	483	51	-	51	534	880	834	429	1 262	2 143
3Q2019	468	48	-	48	516	869	832	425	1 257	2 126
4Q2019	468	48	-	48	516	869	832	425	1 257	2 126
1Q2020
2Q2020
3Q2020

DENMARK**Table 4 - Indices of energy prices**

	Oil products		Electricity		Natural gas		Coal	
	Wholesale 2015 = 100	Retail 2015 = 100						
1999	32.4
2000	50.5	70.3	..	64.1	..	87.5	..	81.2
2001	46.0	69.1	..	68.2	..	89.6	..	81.8
2002	43.8	68.9	..	71.1	..	82.6	..	82.4
2003	46.6	70.2	..	73.0	..	85.4	..	83.0
2004	52.4	73.8	..	73.1	..	91.3	..	82.9
2005	70.3	82.1	..	75.8	..	106.0	..	81.6
2006	80.1	87.3	..	80.5	..	112.1	..	84.3
2007	81.7	87.8	..	80.9	..	105.5	..	86.7
2008	100.7	96.8	..	88.6	..	119.1	..	86.6
2009	73.3	86.3	..	86.6	..	102.5	..	90.0
2010	96.0	99.0	..	87.7	..	116.8	..	95.2
2011	120.2	112.1	..	96.1	..	122.1	..	102.1
2012	132.5	119.0	..	97.1	..	116.0	..	101.2
2013	128.1	116.0	..	96.9	..	115.1	..	102.8
2014	120.2	112.4	..	99.1	..	110.6	..	101.5
2015	100.0	100.0	..	100.0	..	100.0	..	100.0
2016	89.5	94.0	..	100.5	..	91.3	..	100.4
2017	104.2	99.3	..	98.5	..	94.6	..	98.4
2018	121.9	106.3	..	101.1	..	101.8	..	100.7
2019	121.6	107.0	..	96.6	..	92.2	..	102.6
3Q2012	135.8	121.5	..	97.1	..	113.8	..	101.2
4Q2012	131.0	117.3	..	96.7	..	116.0	..	101.6
1Q2013	130.8	117.8	..	99.3	..	115.7	..	102.4
2Q2013	124.8	114.5	..	96.7	..	117.1	..	103.9
3Q2013	131.1	117.5	..	94.9	..	113.2	..	102.7
4Q2013	125.8	114.0	..	96.7	..	114.3	..	102.1
1Q2014	124.1	113.7	..	99.7	..	115.8	..	101.7
2Q2014	125.9	115.4	..	98.9	..	109.7	..	100.9
3Q2014	123.0	114.4	..	98.0	..	105.5	..	101.5
4Q2014	107.9	106.0	..	99.7	..	111.5	..	102.0
1Q2015	99.1	99.0	..	100.6	..	104.4	..	101.8
2Q2015	109.2	105.2	..	99.7	..	100.4	..	99.9
3Q2015	101.1	101.0	..	98.8	..	99.3	..	97.1
4Q2015	90.6	94.7	..	100.8	..	96.0	..	101.2
1Q2016	78.2	89.7	..	100.9	..	92.8	..	101.5
2Q2016	89.8	94.8	..	100.3	..	89.6	..	101.3
3Q2016	90.1	93.8	..	99.2	..	89.9	..	100.5
4Q2016	99.8	97.5	..	101.6	..	92.9	..	98.3
1Q2017	107.5	100.9	..	101.1	..	93.5	..	97.8
2Q2017	102.3	99.1	..	97.1	..	94.6	..	98.2
3Q2017	98.8	97.0	..	97.0	..	93.7	..	98.9
4Q2017	108.2	100.3	..	98.8	..	96.6	..	98.5
1Q2018	108.0	100.7	..	98.6	..	98.0	..	99.3
2Q2018	125.4	107.4	..	99.6	..	101.1	..	99.9
3Q2018	130.4	109.8	..	102.1	..	102.7	..	102.6
4Q2018	123.8	107.1	..	104.1	..	105.4	..	100.8
1Q2019	116.5	103.8	..	99.0	..	98.6	..	101.3
2Q2019	127.6	109.9	..	96.5	..	93.8	..	103.1
3Q2019	120.6	107.3	..	93.0	..	86.5	..	102.5
4Q2019	121.5	107.0	..	97.8	..	89.7	..	103.4
1Q2020	100.9	103.9	..	94.2	..	89.9	..	103.2
2Q2020	63.1	89.9	..	91.0	..	83.7	..	103.5
3Q2020

DENMARK

Sources

Prices and taxes data for oil products are provided on a quarterly basis by the **Danish Competition and Consumer Authority (KFST)**.

Prices and taxes data for natural gas and electricity for households are provided on a quarterly basis by the **Danish Energy Agency (DEA)**.

Energy price indices for oil products, natural gas, electricity and coal are derived from data extracted from the **Statistics Denmark** website.

Data collection methodology

From 1Q1993 onwards, quarterly prices refer to the average of the daily prices. From 1Q1985 to 4Q1992, quarterly prices refer to the second month of each quarter. Prior to 1Q1985, prices refer to the first month of each quarter.

Oil products

Monthly ex-tax prices for oil products are collected by KFST every quarter from the five largest companies in the retail and wholesale markets.

For low sulphur fuel oil, light fuel oil, automotive diesel, unleaded premium (95 RON) gasoline and regular unleaded gasoline, companies report their sales volumes to commercial and non-commercial users, their effective average ex-tax prices, and the effective discounts from their list prices. The average ex-tax prices are calculated as volume-weighted averages of the data submitted by companies. End-use prices are calculated by adding the applicable taxes to the ex-tax prices.

Heavy fuel oil use for electricity generation is currently negligible and prices are therefore not available.

Natural gas

From 1Q2007 onwards, prices for industry refer to the Eurostat consumption bands I1, I2, I3, I4 and I5. Prices for households refer to the single unit price charged to the residential consumers, which does not depend on consumption, as reported to Eurostat.

National average prices for industry are computed by the DEA as consumption-weighted averages of the average prices per band published by Eurostat. From 2Q2017 onwards, the weights used for this calculation are the bi-annual consumption figures per band collected through surveys. Prior, the weights used for this calculation were the most recent available (maximum two years old).

Eurostat data are bi-annual, therefore, prices for 1Q and 2Q are the same, as are those for 3Q and 4Q.

Excise taxes are calculated as the subtraction of the prices excluding taxes from the prices including non-VAT taxes, as published by Eurostat.

Electricity

From 1Q2008 onwards, prices refer to the Eurostat consumption bands DA, DB, DC, DD and DE for households; and bands IB, IC, ID, IE and IF, for industry.

National average prices for industry are computed by the DEA as consumption-weighted averages of the average prices per band published by Eurostat. From 2014 onwards, the weights used for this calculation are bi-annual consumption figures per band collected through surveys. Prior to 2014, the weights used for this calculation were the most recent available (maximum two years old).

National average prices for households are calculated as the simple average across consumption bands, as the consumption distribution across bands is currently not known.

Eurostat data are bi-annual, therefore, prices for 1Q and 2Q are the same, as are those for 3Q and 4Q.

Excise taxes are calculated as the subtraction of the prices excluding taxes from the prices including non-VAT taxes, as published by Eurostat.

Energy price indices

Annual indices are 12-month averages. Quarterly indices refer to the 3-month average.

The wholesale index for oil products refers to the Producer Price Indices (PPIs) for gasoline, gas oil, heating oils, imported lubrication oils and other oils, calculated by the IEA using component indices and weights published by Statistics Denmark.

The retail index for oil products refers to a consumption-weighted average of the Consumer Price Indices (CPIs) for *liquid fuels and fuels and lubricants for personal transport equipment*.

The retail price index for electricity refers to the CPI for *electricity*.

The retail price index for natural gas refers to the CPI for *gas*.

The retail price index for coal refers to the CPI for *solid fuels*.

Energy taxation

VAT

VAT (*MOMS*) applies to all energy products. VAT is refunded for purchases for commercial purposes. Therefore,

it is not included in prices shown for the industrial and electricity generation sectors, as well as for automotive fuels for commercial use.

From	To	%
01.01.78	01.10.78	18
02.10.78	30.06.80	20
01.07.80	31.12.91	22
01.01.92	now	25

Excise tax

The legal framework in place in Denmark is consistent with the 2003 EU Energy Taxation Directive.

Starting in 2016, energy tax rates in Denmark have been indexed every year to reflect changes in the CPI, using the rates applicable to 2015 as a basis.

This CPI-indexation is used to update the tax rates for the Sulphur tax, Nitrogen oxide tax, Carbon dioxide tax, Mineral oil tax, Natural gas tax, Coal tax and Electricity tax.

Tax applicability table (not exhaustive)

	HSFO/LSFO	LFO	Diesel	Gasoline	LPG	Natural gas	Steam coal	Coking coal	Electricity
Mineral oil tax		x	x	x	x				
CO ₂ tax	x	x	x	x	x	x	x	x	
Nitrogen oxide tax	x	x	x	x	x	x	x	x	
Sulphur tax	x						x	x	
Natural gas tax						x			
Coal tax							x	x	
Electricity tax									x

Mineral oil tax (*Mineraolieafgift*)

The Mineral oil tax is legally defined in the Mineral Oil Tax Act (no. 1118 of 26 September 2014). It does not apply to fuels sold in the Faroe Islands or Greenland.

Industrial users are entitled to a full refund on their tax expenditures. Heavy fuel oil, used exclusively in industry, is therefore effectively tax free.

Fuels used for electricity generation are exempt as a specific tax is levied on electricity.

CO₂ tax (*Kuldioxidafgift*)

The CO₂ tax is legally defined in the CO₂ Tax Act (No. 321 of 4 April 2011). It does not apply to fuels sold in the Faroe Islands or Greenland.

Nitrogen oxide tax (*Kvælstofoxiderafgift*)

The Nitrogen oxide tax is legally defined in the Nitrogen Oxide Tax Act (no. 472 of 17 June 2008), which first came into effect on 1 January 2010. It does not apply to fuels sold in the Faroe Islands or Greenland.

Rates applicable to commercial energy products (except electricity) are derived from a tax rate expressed in Danish crowns per kilogram of NO₂ equivalents. Introduction in 2010 at the rate of 5 DKK/kg, it was progressively raised to reach 26.4 DKK/kg in January 2015.

Sulphur tax (*Sovlafgift*)

The Sulphur tax is legally defined in the Sulphur Tax Act (no. 78 of 8 February 2006). It does not apply to fuels sold in the Faroe Islands or Greenland.

The tax applies to oil products and coal with sulphur content exceeding 0.05% in mass. Rates applicable to commercial energy products are derived from a tax rate expressed in Danish crowns per kilogram of sulphur. The current rate of 23 DKK/kg was reached after gradual increases of the tax rate since its introduction.

Natural gas tax (*Gasafgift*)

The Natural gas tax is legally defined in the Natural Gas Tax Act (no. 312 of 1 April 2011). Natural gas for electricity generation is exempt as a specific tax is levied on electricity.

Tax rates are expressed in Danish crowns per Normal cubic meter (Nm³), and a different tax rate applies depending on the calorific value of the fuel. In the tables shown at the end of this section, the rates for natural gas refer to a gross calorific value below 39.6 MJ/Nm³.

Coal tax (*Kulafgift*)

The Coal tax is legally defined in the Coal Tax Act (no. 1080 of 3 September 2015). It does not apply to fuels sold in the Faroe Islands or Greenland.

Coal used for electricity generation is exempt as a specific tax is levied on electricity. Coal used in chemical reduction processes, including coking coal, is also exempt.

Electricity tax (*Elafgift*)

The Electricity tax is legally defined in the Electricity Tax Act (no. 310 of 1 April 2011). It does not apply to electricity sold in the Faroe Islands or Greenland.

Until 1 January 2014, the electricity tax included several minor surcharges (*tillægsafgift*) related to energy savings, distribution and CO₂ emissions. In the tables shown at the end of this section, rates until 31 December 2013 include these minor components, which were subsequently integrated into the main electricity tax.

Mineral oil tax (Mineraolieafgift)

From	To	Light fuel oil (DKK/1000l)	Automotive diesel (DKK/l)	Gasoline (DKK/l)
01.01.05	31.12.07	1857	2.487	3.810
01.01.08	07.07.08	1890	2.598	3.879
08.07.08	31.12.08	1890	2.598	3.849
01.01.09	31.12.09	1924	2.479	3.959
01.01.10	28.10.10	2056	2.524	3.881
29.10.10	31.12.10	2056	2.524	3.815
01.01.11	31.12.11	2093	2.511	3.884
01.01.12	31.12.12	2131	2.521	3.954
01.01.13	31.01.13	2169	2.565	3.993
01.02.13	31.12.13	2531	2.565	3.993
01.01.14	31.12.14	2577	2.612	4.064
01.01.15	31.12.15	1955	2.660	4.137
01.01.16	31.12.16	1971	2.681	4.170
01.01.17	31.12.17	1982	2.697	4.193
01.01.18	31.12.18	1992	2.711	4.216
01.01.19	31.12.19	2016	2.742	4.265
01.01.20	now	2035	2.762	4.226

CO₂ tax (Kuldioxidafgift)

From	To	Heavy fuel oil (DKK/tonne)	Light fuel oil (DKK/1000l)	Automotive diesel (DKK/l)	Gasoline (DKK/l)	Natural gas (DKK/MWh)
01.01.05	31.12.05	288	243	0.243	0.220	
01.01.06	31.12.06	288	243	0.243	0.220	16.2
01.01.07	31.12.07	288	243	0.243	0.220	16.5
01.01.08	31.12.08	293	247	0.247	0.224	16.5
01.01.09	31.12.09	298	252	0.252	0.228	16.8
01.01.10	28.10.10	493	413	0.413	0.373	28.7
29.10.10	31.12.10	493	413	0.413	0.355	28.7
01.01.11	31.05.11	502	420	0.420	0.361	29.2
01.06.11	31.12.11	502	420	0.391	0.361	29.2
01.01.12	31.12.12	511	428	0.399	0.367	29.8
01.01.13	31.12.13	520	435	0.405	0.374	30.3
01.01.14	31.12.14	529	443	0.413	0.381	30.8
01.01.15	31.12.15	539	451	0.420	0.388	31.4
01.01.16	31.12.16	543	455	0.423	0.391	31.6
01.01.17	31.12.17	547	457	0.426	0.393	31.8
01.01.18	31.12.18	549	460	0.428	0.395	31.9
01.01.19	31.12.19	556	465	0.433	0.400	n.a.
01.01.20	now	561	469	0.437	0.383	n.a.

Nitrogen oxide tax (Kvælstofoxiderafgift)

From	To	Heavy fuel oil (DKK/tonne)	Light fuel oil (DKK/1000l)	Automotive diesel (DKK/l)	Gasoline (DKK/l)	Natural gas (DKK/MWh)
01.01.14	31.12.14	147	46	0.046	0.043	n.a.
01.01.15	31.12.15	150	47	0.047	0.043	3.44
01.01.16	30.06.16	151	47	0.047	0.043	3.44
01.07.16	31.12.17	28	9	0.009	0.009	0.65
01.01.18	31.12.19	29	9	0.009	0.009	0.65
01.01.20	now	29	9	0.009	0.008	n.a.

Sulphur tax (*Svovlafgift*)

From	To	Heavy fuel oil (DKK/tonne)
01.01.00	31.12.07	100
01.01.08	31.12.08	102
01.01.09	31.12.09	104
01.01.10	31.12.10	105
01.01.11	31.12.11	107
01.01.12	31.12.12	109
01.01.13	31.12.13	111
01.01.14	31.12.14	113
01.01.15	31.12.15	115
01.01.16	31.12.16	116
01.01.17	31.12.17	116.5
01.01.18	31.12.18	117
01.01.19	31.12.19	118.5
01.01.20	now	119.5

Natural gas and electricity taxes (*Gasafgift / Elafgift*)

From	To	Natural gas (DKK/MWh)	Electricity <i>households</i> (DKK/MWh)
01.01.07	31.12.07	167.1	666
01.01.08	31.12.08	170.1	675
01.01.09	31.12.09	173.1	685
01.01.10	31.12.10	185.7	721
01.01.11	31.12.11	189.1	793
01.01.12	31.12.12	192.5	806
01.01.13	31.12.13	196.0	820
01.01.14	31.12.14	232.8	833
01.01.15	31.12.15	176.6	878
01.01.16	31.12.16	178.0	885
01.01.17	31.12.17	179.1	910
01.01.18	31.12.18	180.0	914
01.01.19	31.12.19	182.2	884

Product specifications

	Low sulphur fuel oil	Light fuel oil	Automotive diesel	Premium unleaded (95 RON) gasoline	Natural gas
Quality	Svær fuelolie	Fyringsolie	Diesel		
Cetane number				46	
Density (kg/l)	0.975	0.8594	0.845		
Sulphur content (%)	0.5				
Lead content (g/l)				0.05	
NCV (kcal/kg)	9 650	10 175	10 175		
GCV (kcal/m ³)					10 509
Delivery size (tonnes/year)	≥ 1 000	2 - 5			

ESTONIA**Table 1 - Average prices and taxes in euros**

Low sulphur fuel oil for industry (per tonne)					High sulphur fuel oil for industry (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020
Light fuel oil for industry (per 1000 litres)					Light fuel oil for households (per 1000 litres)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	418.86	64.32	-	64.32	483.18	418.86	64.32	91.68	156.00	574.86
2010	506.70	110.95	-	110.95	617.65	506.70	110.95	123.53	234.48	741.18
2011	673.06	110.95	-	110.95	784.01	673.06	110.95	156.80	267.75	940.81
2012	747.07	110.95	-	110.95	858.02	747.07	110.95	171.60	282.55	1 029.63
2013	719.44	110.95	-	110.95	830.39	719.44	110.95	166.08	277.03	996.47
2014	675.62	110.95	-	110.95	786.57	675.62	110.95	157.31	268.26	943.88
2015	536.16	110.95	-	110.95	647.11	536.16	110.95	129.42	240.37	776.54
2016	412.36	110.95	-	110.95	523.31	412.36	110.95	104.66	215.61	627.98
2017	481.58	110.95	-	110.95	592.53	481.58	110.95	118.51	229.46	711.03
2018	639.39	61.53	-	61.53	700.92	639.39	61.53	140.18	201.71	841.10
2019	677.66	58.00	-	58.00	735.66	677.66	58.00	147.13	205.13	882.79
3Q2019	671.06	58.00	-	58.00	729.06	671.06	58.00	145.81	203.81	874.87
4Q2019	692.15	58.00	-	58.00	750.15	692.15	58.00	150.03	208.03	900.18
1Q2020	664.51	58.00	-	58.00	722.51	664.51	58.00	144.50	202.50	867.02
2Q2020	518.65	58.00	-	58.00	576.65	518.65	58.00	115.33	173.33	691.98
3Q2020	502.05	58.00	-	58.00	560.05	502.05	58.00	112.01	170.01	672.05
Automotive diesel for commercial use (per litre)					Automotive diesel for non-commercial use (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.412	0.349	-	0.349	0.761	0.412	0.349	0.145	0.494	0.906
2010	0.528	0.393	-	0.393	0.921	0.528	0.393	0.184	0.577	1.105
2011	0.664	0.393	-	0.393	1.057	0.664	0.393	0.211	0.604	1.268
2012	0.751	0.393	-	0.393	1.144	0.751	0.393	0.229	0.622	1.372
2013	0.709	0.393	-	0.393	1.102	0.709	0.393	0.221	0.614	1.323
2014	0.662	0.393	-	0.393	1.055	0.662	0.393	0.211	0.604	1.266
2015	0.505	0.393	-	0.393	0.898	0.505	0.393	0.180	0.573	1.078
2016	0.469	0.393	-	0.393	0.862	0.469	0.393	0.173	0.566	1.034
2017	0.587	0.393	-	0.393	0.980	0.587	0.393	0.196	0.589	1.176
2018	0.597	0.491	-	0.491	1.088	0.597	0.491	0.218	0.709	1.306
2019	0.615	0.493	-	0.493	1.108	0.615	0.493	0.222	0.715	1.329
3Q2019	0.605	0.493	-	0.493	1.098	0.605	0.493	0.220	0.713	1.318
4Q2019	0.633	0.493	-	0.493	1.126	0.633	0.493	0.225	0.718	1.351
1Q2020	0.624	0.493	-	0.493	1.117	0.624	0.493	0.223	0.716	1.340
2Q2020	0.475	0.422	-	0.422	0.897	0.475	0.422	0.179	0.601	1.076
3Q2020	0.459	0.372	-	0.372	0.831	0.459	0.372	0.166	0.538	0.997

ESTONIA

Table 2 - Average prices and taxes in euros

Premium unleaded (98 RON) gasoline (per litre)					Premium unleaded (95 RON) gasoline (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.396	0.378	0.147	0.525	0.920
2010	0.503	0.423	0.185	0.608	1.111
2011	0.610	0.423	0.207	0.630	1.240
2012	0.711	0.423	0.227	0.650	1.361
2013	0.670	0.423	0.219	0.642	1.312
2014	0.634	0.423	0.212	0.635	1.269
2015	0.496	0.423	0.184	0.607	1.103
2016	0.461	0.423	0.177	0.600	1.061
2017	0.566	0.423	0.198	0.621	1.187
2018	0.548	0.561	0.222	0.782	1.330
2019	0.555	0.563	0.224	0.787	1.341
3Q2019	0.558	0.563	0.224	0.787	1.345
4Q2019	0.570	0.563	0.227	0.790	1.360
1Q2020	0.563	0.563	0.225	0.788	1.351
2Q2020	0.423	0.563	0.197	0.760	1.183
3Q2020	0.473	0.563	0.207	0.770	1.243
Automotive LPG for non-commercial use (per litre)					Natural gas for industry (per megawatt hour GCV)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.386	0.070	0.087	0.157	0.543	22.99	1.27	-	1.27	24.26
2010	0.455	0.070	0.105	0.175	0.630	25.67	1.83	-	1.83	27.50
2011	0.565	0.070	0.127	0.197	0.762	27.33	1.18	-	1.18	28.51
2012	0.573	0.070	0.129	0.199	0.772	34.25	1.23	-	1.23	35.48
2013	0.545	0.070	0.123	0.193	0.738	34.20	1.32	-	1.32	35.52
2014	0.489	0.070	0.112	0.182	0.671	34.28	1.44	-	1.44	35.72
2015	0.382	0.070	0.090	0.160	0.542	28.39	1.91	-	1.91	30.30
2016	0.353	0.070	0.085	0.155	0.508	20.72	2.80	-	2.80	23.52
2017	0.404	0.070	0.095	0.165	0.569	23.41	3.80	-	3.80	27.21
2018	0.345	0.191	0.107	0.298	0.643	26.49	4.80	-	4.80	31.29
2019	0.329	0.193	0.105	0.298	0.627	26.21	5.39	-	5.39	31.60
3Q2019	0.324	0.193	0.103	0.296	0.620	24.77	5.57	-	5.57	30.34
4Q2019	0.315	0.193	0.102	0.295	0.610	24.77	5.57	-	5.57	30.34
1Q2020	0.372	0.193	0.113	0.306	0.678
2Q2020	0.300	0.193	0.099	0.292	0.592
3Q2020	0.282	0.193	0.095	0.288	0.570
Natural gas for electricity generation (per megawatt hour GCV)					Natural gas for households (per megawatt hour GCV)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	30.69	1.16	6.05	7.21	37.91
2010	30.07	2.28	6.47	8.75	38.83
2011	33.85	2.24	7.22	9.45	43.31
2012	40.30	2.36	8.53	10.89	51.19
2013	39.47	2.18	8.33	10.51	49.97
2014	38.42	1.94	8.07	10.00	48.41
2015	32.17	2.58	6.72	9.30	41.47
2016	24.27	2.69	5.55	8.24	32.51
2017	30.92	3.80	6.32	10.12	41.03
2018	29.62	4.78	6.89	11.67	41.28
2019	31.66	6.01	7.54	13.55	45.20
3Q2019	31.42	6.00	7.49	13.49	44.91
4Q2019	31.42	6.00	7.49	13.49	44.91
1Q2020
2Q2020
3Q2020

ESTONIA**Table 3 - Average prices and taxes in euros**

Steam coal for industry (per tonne)						Steam coal for electricity generation (per tonne)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020
Steam coal for households (per tonne)						Coking coal for industry (per tonne)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020
Electricity for industry (per megawatt hour)						Electricity for households (per megawatt hour)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	54.57	6.17	-	6.17	60.74	67.79	7.04	14.22	21.26	89.05
2010	58.50	11.80	-	11.80	70.30	67.80	12.10	16.00	28.10	95.90
2011	63.00	9.60	-	9.60	72.60	71.20	10.65	16.35	27.00	98.20
2012	66.00	12.55	-	12.55	78.55	75.95	14.15	18.00	32.15	108.10
2013	80.95	13.10	-	13.10	94.05	96.50	13.20	21.95	35.15	131.65
2014	76.80	12.05	-	12.05	88.85	93.80	12.30	21.20	33.50	127.30
2015	75.05	13.30	-	13.30	88.35	91.55	13.40	20.75	34.15	125.70
2016	71.50	14.00	-	14.00	85.50	90.80	14.10	13.15	27.25	118.05
2017	68.62	14.81	-	14.81	83.40	88.90	14.90	17.10	32.00	120.90
2018	73.76	13.29	-	13.29	87.05	98.55	13.40	22.40	35.80	134.35
2019	74.44	14.75	-	14.75	89.19	97.65	14.90	22.50	37.40	135.05
3Q2019	74.25	14.71	-	14.71	88.95	98.90	14.90	22.80	37.70	136.60
4Q2019	74.25	14.71	-	14.71	88.95	98.90	14.90	22.80	37.70	136.60
1Q2020
2Q2020
3Q2020

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Table 4 - Indices of energy prices

	Oil products		Electricity		Natural gas		Coal	
	Wholesale	Retail 2015 = 100	Wholesale	Retail 2015 = 100	Wholesale	Retail 2015 = 100	Wholesale	Retail 2015 = 100
1999	..	41.0	..	31.0	..	34.2	..	28.4
2000	..	55.3	..	31.0	..	36.6	..	27.8
2001	..	56.2	..	39.1	..	37.8	..	29.8
2002	..	54.2	..	49.0	..	43.4	..	32.6
2003	..	54.6	..	52.7	..	42.0	..	35.0
2004	..	62.4	..	52.7	..	43.0	..	41.5
2005	..	74.6	..	58.6	..	45.4	..	53.2
2006	..	80.3	..	60.0	..	56.4	..	66.0
2007	..	81.3	..	60.5	..	71.5	..	82.8
2008	..	98.7	..	64.3	..	86.7	..	100.0
2009	..	84.4	..	71.1	..	89.5	..	82.5
2010	..	101.6	..	75.9	..	97.3	..	87.9
2011	..	114.8	..	78.2	..	100.3	..	102.6
2012	..	125.1	..	86.6	..	116.6	..	102.9
2013	..	120.3	..	111.4	..	117.8	..	102.3
2014	..	115.8	..	104.5	..	113.4	..	100.5
2015	..	100.0	..	100.0	..	100.0	..	100.0
2016	..	96.2	..	102.0	..	83.9	..	97.5
2017	..	109.0	..	102.8	..	91.2	..	96.7
2018	..	121.8	..	114.0	..	97.3	..	111.5
2019	..	122.8	..	114.7	..	104.2	..	122.7
3Q2012	..	125.4	..	87.1	..	121.3	..	101.2
4Q2012	..	123.9	..	87.9	..	121.4	..	101.8
1Q2013	..	123.8	..	109.7	..	122.3	..	102.2
2Q2013	..	119.2	..	111.8	..	118.9	..	101.8
3Q2013	..	120.5	..	113.1	..	117.3	..	102.3
4Q2013	..	117.9	..	110.9	..	112.6	..	102.9
1Q2014	..	118.6	..	105.0	..	113.3	..	102.3
2Q2014	..	118.2	..	102.8	..	112.8	..	99.8
3Q2014	..	117.0	..	105.6	..	113.4	..	99.7
4Q2014	..	109.4	..	104.6	..	114.0	..	100.2
1Q2015	..	99.5	..	100.7	..	108.6	..	100.8
2Q2015	..	107.5	..	98.7	..	108.6	..	100.1
3Q2015	..	100.2	..	100.1	..	91.3	..	99.7
4Q2015	..	92.9	..	100.5	..	91.4	..	99.4
1Q2016	..	90.2	..	100.7	..	87.2	..	98.8
2Q2016	..	96.4	..	100.3	..	85.7	..	97.5
3Q2016	..	97.0	..	100.7	..	81.4	..	97.4
4Q2016	..	101.1	..	106.5	..	81.4	..	96.5
1Q2017	..	109.3	..	103.1	..	86.7	..	96.7
2Q2017	..	107.9	..	100.6	..	92.2	..	96.1
3Q2017	..	106.3	..	105.5	..	92.8	..	96.1
4Q2017	..	112.3	..	102.0	..	93.2	..	98.0
1Q2018	..	118.1	..	108.8	..	95.0	..	103.0
2Q2018	..	122.0	..	109.2	..	95.0	..	106.0
3Q2018	..	123.0	..	120.2	..	97.9	..	116.6
4Q2018	..	124.0	..	118.0	..	101.4	..	120.4
1Q2019	..	117.5	..	116.2	..	104.2	..	122.8
2Q2019	..	126.0	..	112.2	..	104.2	..	122.6
3Q2019	..	122.2	..	117.3	..	104.2	..	122.6
4Q2019	..	125.3	..	113.2	..	104.2	..	122.7
1Q2020	..	124.6	..	98.6	..	109.4	..	121.4
2Q2020	..	105.1	..	97.4	..	104.7	..	120.1
3Q2020

ESTONIA

Sources

Prices and taxes data for oil products are based on weekly data published in the **European Commission's Weekly Oil Bulletin**.

Prices and taxes data for natural gas and electricity, as well as retail energy price indices, are based on data published by **Eurostat**.

Data collection methodology

Prices and taxes prior to 1 January 2011, the date of entry into the Economic and Monetary Union, have been converted from Estonian krooni using the appropriate irrevocable conversion rate of 15.6466 EEK/EUR. This methodology facilitates comparisons within a country over time and ensures that the historical evolution (i.e. growth rates) is preserved. However, pre-EMU euros are a notional unit and are not normally suitable to form area aggregates or to carry out cross-country comparisons.

Oil products

Oil product prices are derived from data published in the European Commission's *Weekly Oil Bulletin*, which reports weekly ex-tax and end-use prices for a series of oil products in all EU countries.

Quarterly and annual figures are calculated as arithmetic averages of the weekly data. Total taxes are calculated as the subtraction of the quarterly and annual ex-tax from the final prices. Excise taxes for non-commercial users are calculated by subtracting VAT from the total taxes. For commercial users, excise taxes are equal to total taxes, as they are exempt from VAT.

Natural gas

Prices refer to the Eurostat consumption bands D1, D2 and D3 for households and I1, I2, I3, I4, I5 and I6 for industry. Prices are computed as consumption-weighted averages of the average prices per band published by Eurostat. The weights used for this calculation are consumption figures per band published in Eurostat's *Gas prices – price systems report* (2009).

Eurostat data are bi-annual, therefore, prices for 1Q and 2Q are the same, as are those for 3Q and 4Q.

Excise taxes are calculated as the subtraction of the prices excluding taxes from the prices including non-VAT taxes, as published by Eurostat.

Electricity

Prices refer to the Eurostat consumption bands DA, DB, DC, DD and DE for households; and IA, IB, IC, ID, IE, IF and IG, for industry. Prices are computed as consumption-weighted averages of the average prices per band published by Eurostat. The weights used for this calculation are consumption figures per band published in Eurostat's *Electricity prices – price systems report* (2009).

Eurostat data are bi-annual, therefore, prices for 1Q and 2Q are the same, as are those for 3Q and 4Q.

Excise taxes are calculated as the subtraction of the prices excluding taxes from the prices including non-VAT taxes, as published by Eurostat.

Energy price indices

Annual and quarterly indices are 12-month and 3-month averages, respectively, of the Harmonised Indices of Consumer Prices (HICP) published by Eurostat.

Retail indices for oil products refer to a consumption-weighted average of the *liquid fuels* (cp0453) and *fuels and lubricants for personal transport equipment* (cp0722) series. Relative weights used for the calculations are taken from the associated item weights series (prc_hicp_inw), published by Eurostat.

Retail indices for electricity refer to the *electricity* (cp0451) series.

Retail indices for coal refer to the *solid fuel* (cp0454) series.

Energy taxation

VAT

VAT (*käibemaks*) applies to all energy products. VAT is refunded for purchases for commercial purposes. Therefore, it is not included in prices shown for the industry and electricity generation and for automotive fuels for commercial use.

From	To	%
01.05.04	30.06.09	18
01.07.09	now	20

Excise tax

The legal framework for excise taxation on energy in place in Estonia is consistent with the 2003 EU Energy Taxation Directive.

Tax applicability table (not exhaustive)

	HSFO/LSFO	LFO	Diesel	Gasoline	LPG	Natural gas	Steam coal	Coking coal	Electricity
Excise duties	*	*	*	*	*	*	*	*	*

Excise duties (*Aktssiisid*)

The Alcohol, Tobacco, Fuel and Electricity Excise Duty Act, which came in force on 1 January 2008, establishes a list of commercial energy products subject to excise duties.

Gasoline, diesel, light and heavy fuel oils, LPG, natural gas, steam and coking coal, as well as electricity, are subject to an excise duty expressed in a volume or energy basis.

Natural gas for electricity generation and transport is not taxed.

Excise duties (*Aktssiisid*)

From	To	Heavy fuel oil (EUR/tonne)	Light fuel oil (EUR/1000l)	Kerosene (EUR/1000l)	Automotive diesel (EUR/l)	Gasoline 95 RON (EUR/l)	Automotive LPG (EUR/l)	Natural gas (EUR/MWh)	Electricity (EUR/MWh)
01.02.16	now	58	121	330.1	0.448	0.465	0.070	3.62	4.47

FINLAND**Table 1 - Average prices and taxes in euros**

Low sulphur fuel oil for industry (per tonne)					Heavy fuel oil for electricity generation (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	303.64	67.06	-	67.06	370.70	303.70	-	-	-	303.70
2010	403.94	67.06	-	67.06	471.00	404.13	-	-	-	404.13
2011
2012
2013
2014
2015
2016
2017
2018
2019
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020
Light fuel oil for industry (per 1000 litres)					Light fuel oil for households (per 1000 litres)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	402.79	87.03	-	87.03	489.82	402.79	87.03	107.76	194.79	597.58
2010	547.26	87.03	-	87.03	634.29	547.26	87.03	142.71	229.74	777.00
2011	708.59	160.53	-	160.53	869.12	708.59	160.53	199.90	360.43	1 069.02
2012	760.68	160.53	-	160.53	921.21	760.68	160.53	211.88	372.41	1 133.08
2013	727.23	163.43	-	163.43	890.66	727.23	163.43	213.76	377.19	1 104.42
2014	658.61	163.43	-	163.43	822.04	658.61	163.43	197.29	360.72	1 019.33
2015	491.40	187.43	-	187.43	678.83	491.40	187.43	162.92	350.35	841.75
2016	400.62	214.03	-	214.03	614.65	400.62	214.03	147.52	361.55	762.17
2017	480.28	228.73	-	228.73	709.01	480.28	228.73	170.16	398.89	879.17
2018	559.09	243.93	-	243.93	803.02	559.09	243.93	192.73	436.66	995.75
2019	544.21	248.80	-	248.80	793.01	542.19	248.80	189.84	438.64	980.83
3Q2019	536.15	248.80	-	248.80	784.95	536.15	248.80	188.39	437.19	973.33
4Q2019	546.90	248.80	-	248.80	795.70	546.90	248.80	190.97	439.77	986.67
1Q2020	468.94	248.80	-	248.80	717.74	468.94	248.80	172.26	421.06	890.00
2Q2020	299.59	248.80	-	248.80	548.39	299.59	248.80	131.61	380.41	680.00
3Q2020
Automotive diesel for commercial use (per litre)					Automotive diesel for non-commercial use (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.448	0.365	-	0.365	0.813	0.448	0.365	0.179	0.544	0.992
2010	0.558	0.365	-	0.365	0.923	0.558	0.365	0.208	0.573	1.130
2011	0.747	0.365	-	0.365	1.112	0.747	0.365	0.256	0.621	1.368
2012	0.786	0.470	-	0.470	1.256	0.786	0.470	0.289	0.759	1.544
2013	0.745	0.470	-	0.470	1.215	0.745	0.470	0.292	0.762	1.507
2014	0.693	0.497	-	0.497	1.190	0.693	0.497	0.286	0.783	1.476
2015	0.537	0.507	-	0.507	1.044	0.537	0.507	0.251	0.757	1.294
2016	0.451	0.507	-	0.507	0.957	0.451	0.507	0.230	0.736	1.187
2017	0.512	0.531	-	0.531	1.043	0.512	0.531	0.250	0.781	1.293
2018	0.589	0.531	-	0.531	1.120	0.589	0.531	0.269	0.799	1.389
2019	0.604	0.530	-	0.530	1.134	0.604	0.530	0.272	0.802	1.407
3Q2019	0.583	0.530	-	0.530	1.113	0.583	0.530	0.267	0.797	1.380
4Q2019	0.618	0.530	-	0.530	1.148	0.618	0.530	0.275	0.806	1.423
1Q2020	0.585	0.530	-	0.530	1.116	0.585	0.530	0.268	0.798	1.383
2Q2020	0.429	0.530	-	0.530	0.960	0.429	0.530	0.230	0.761	1.190
3Q2020

FINLAND**Table 2 - Average prices and taxes in euros**

Premium unleaded (98 RON) gasoline (per litre)					Premium unleaded (95 RON) gasoline (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.457	0.627	0.238	0.865	1.322	0.425	0.627	0.232	0.859	1.284
2010	0.571	0.627	0.269	0.896	1.467	0.540	0.627	0.263	0.890	1.429
2011	0.688	0.628	0.303	0.930	1.618	0.642	0.628	0.292	0.920	1.561
2012	0.744	0.651	0.321	0.972	1.716	0.700	0.651	0.311	0.962	1.661
2013	0.701	0.651	0.324	0.975	1.676	0.664	0.651	0.316	0.967	1.631
2014	0.663	0.673	0.321	0.994	1.656	0.617	0.673	0.310	0.983	1.600
2015	0.547	0.682	0.295	0.976	1.523	0.493	0.682	0.282	0.963	1.456
2016	0.485	0.682	0.280	0.961	1.446	0.423	0.682	0.265	0.947	1.370
2017	0.537	0.703	0.298	1.000	1.538	0.476	0.703	0.283	0.985	1.461
2018	0.582	0.703	0.308	1.011	1.593	0.512	0.703	0.292	0.994	1.506
2019	0.601	0.703	0.313	1.015	1.616	0.529	0.703	0.295	0.998	1.527
3Q2019	0.617	0.703	0.317	1.019	1.637	0.548	0.703	0.300	1.003	1.550
4Q2019	0.607	0.703	0.314	1.017	1.623	0.531	0.703	0.296	0.999	1.530
1Q2020	0.574	0.703	0.306	1.009	1.583	0.504	0.703	0.290	0.992	1.497
2Q2020	0.429	0.703	0.272	0.974	1.403	0.362	0.703	0.255	0.958	1.320
3Q2020
Premium leaded/lead replacement gasoline (per litre)					Natural gas for industry (per megawatt hour GCV)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	x	x	x	x	x	22.82	1.89	-	1.89	24.71
2010	x	x	x	x	x	25.55	1.89	-	1.89	27.44
2011	x	x	x	x	x	29.88	8.13	-	8.13	38.01
2012	x	x	x	x	x	33.78	8.13	-	8.13	41.91
2013	x	x	x	x	x	31.56	10.33	-	10.33	41.89
2014	x	x	x	x	x	29.98	10.33	-	10.33	40.31
2015	x	x	x	x	x	23.32	13.91	-	13.91	37.23
2016	x	x	x	x	x	20.04	15.70	-	15.70	35.74
2017	x	x	x	x	x	24.17	16.77	-	16.77	40.94
2018	x	x	x	x	x	27.57	17.90	-	17.90	45.47
2019	x	x	x	x	x	26.12	18.61	-	18.61	44.72
3Q2019	x	x	x	x	x	25.06	18.61	-	18.61	43.67
4Q2019	x	x	x	x	x	24.29	18.61	-	18.61	42.89
1Q2020	x	x	x	x	x
2Q2020	x	x	x	x	x
3Q2020	x	x	x	x	x
Natural gas for electricity generation (per megawatt hour GCV)					Natural gas for households (per megawatt hour GCV)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	22.82	-	-	-	22.82
2010	25.55	-	-	-	25.55
2011	29.88	-	-	-	29.88
2012	33.78	-	-	-	33.78
2013	31.56	-	-	-	31.56
2014	29.98	-	-	-	29.98
2015	23.32	-	-	-	23.32
2016	20.04	-	-	-	20.04
2017	24.17	-	-	-	24.17
2018	27.57	-	-	-	27.57
2019	26.12	-	-	-	26.12
3Q2019	25.06	-	-	-	25.06
4Q2019	24.29	-	-	-	24.29
1Q2020
2Q2020
3Q2020

FINLAND

Table 3 - Average prices and taxes in euros

Steam coal for industry (per tonne)					Steam coal for electricity generation (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	69.88	50.50	-	50.50	120.38	69.88	-	-	-	69.88
2010	76.80	50.50	-	50.50	127.30	76.80	-	-	-	76.80
2011	98.53	128.09	-	128.09	226.62	98.53	-	-	-	98.53
2012	90.34	128.09	-	128.09	218.43	90.34	-	-	-	90.34
2013	71.50	132.71	-	132.71	204.21	71.50	-	-	-	71.50
2014	71.15	132.71	-	132.71	203.86	71.15	-	-	-	71.15
2015	67.23	154.42	-	154.42	221.65	67.23	-	-	-	67.23
2016	65.40	178.54	-	178.54	243.94	65.40	-	-	-	65.40
2017	89.68	191.02	-	191.02	280.70	89.68	-	-	-	89.68
2018	89.81	203.87	-	203.87	293.68	89.81	-	-	-	89.81
2019	76.34	201.76	-	201.76	278.10	76.34	-	-	-	76.34
3Q2019	67.20	201.76	-	201.76	268.96	71.19	-	-	-	71.19
4Q2019	71.19	201.76	-	201.76	272.95	67.20	-	-	-	67.20
1Q2020	67.82	201.76	-	201.76	269.58	67.82	-	-	-	67.82
2Q2020	61.01	201.76	-	201.76	262.77	61.01	-	-	-	61.01
3Q2020
Steam coal for households (per tonne)					Coking coal for industry (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	x	x	x	x	x	156.36	50.50	-	50.50	206.86
2010	x	x	x	x	x	167.49	50.50	-	50.50	217.99
2011	x	x	x	x	x	216.78	128.09	-	128.09	344.87
2012	x	x	x	x	x	181.94	128.09	-	128.09	310.03
2013	x	x	x	x	x	132.77	132.71	-	132.71	265.48
2014	x	x	x	x	x	122.24	132.71	-	132.71	254.95
2015	x	x	x	x	x	115.09	154.42	-	154.42	269.51
2016	x	x	x	x	x	113.09	178.54	-	178.54	291.63
2017	x	x	x	x	x	185.92	191.02	-	191.02	376.94
2018	x	x	x	x	x	174.68	203.87	-	203.87	378.55
2019	x	x	x	x	x	192.17	201.76	-	201.76	393.93
3Q2019	x	x	x	x	x	208.91	201.76	-	201.76	410.67
4Q2019	x	x	x	x	x	169.65	201.76	-	201.76	371.41
1Q2020	x	x	x	x	x	153.92	201.76	-	201.76	355.68
2Q2020	x	x	x	x	x	145.48	201.76	-	201.76	347.24
3Q2020	x	x	x	x	x
Electricity for industry (per megawatt hour)					Electricity for households (per megawatt hour)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	63.4	2.6	-	2.6	66.1	93.7	8.8	22.6	31.4	125.1
2010	64.8	2.6	-	2.6	67.4	99.3	8.8	24.3	33.2	132.4
2011	66.0	7.0	-	7.0	73.0	107.8	17.0	28.7	45.7	153.5
2012	65.0	7.0	-	7.0	72.0	106.2	17.0	28.3	45.4	151.6
2013	64.5	7.0	-	7.0	71.5	105.9	17.0	29.5	46.5	152.4
2014	62.9	7.0	-	7.0	70.0	103.4	19.0	29.4	48.4	151.8
2015	60.3	7.0	-	7.0	67.3	100.3	22.5	29.5	52.0	152.3
2016	58.9	7.0	-	7.0	65.9	101.0	22.5	29.6	52.2	153.2
2017	57.5	7.0	-	7.0	64.6	108.1	22.5	31.4	53.9	162.0
2018	59.5	7.0	-	7.0	66.5	113.6	22.5	32.7	55.2	168.8
2019	60.4	7.0	-	7.0	67.4	125.6	22.5	35.6	58.1	183.7
3Q2019	59.6	7.0	-	7.0	66.6	125.5	22.5	35.5	58.0	183.5
4Q2019	61.4	7.0	-	7.0	68.4	127.1	22.5	35.9	58.4	185.5
1Q2020	58.3	7.0	-	7.0	65.4	126.6	22.5	35.8	58.3	184.9
2Q2020	58.3	7.0	-	7.0	65.3	123.8	22.5	35.1	57.7	181.5
3Q2020

FINLAND**Table 4 - Indices of energy prices**

	Oil products		Electricity		Natural gas		Coal	
	Wholesale 1990 = 100	Retail 1990 = 100	Wholesale 1990 = 100	Retail 1990 = 100	Wholesale	Retail	Wholesale 1990 = 100	Retail
1999	154.5	138.2	121.8	126.9	126.3	..
2000	202.4	205.8	121.0	124.7	150.6	..
2001	192.7	190.5	137.3	127.0	173.6	..
2002	190.4	174.0	147.7	133.1	169.5	..
2003	196.0	186.1	165.0	148.9	151.9	..
2004	205.3	210.9	171.1	149.5	170.3	..
2005	238.1	276.8	167.0	146.8	192.7	..
2006	258.9	305.8	201.1	154.8	183.8	..
2007	261.9	302.1	194.0	163.1	184.7	..
2008	312.2	399.0	219.3	184.3	255.0	..
2009	265.2	284.1	240.4	195.7	266.6	..
2010	323.7	369.4	276.1	206.6	260.3	..
2011	386.4	508.3	299.9	239.9	441.7	..
2012	431.5	538.7	278.6	235.8	435.3	..
2013	415.9	525.0	288.9	238.4	412.7	..
2014	397.1	484.6	272.9	238.6	396.5	..
2015	324.9	410.1	268.6	239.7	420.4	..
2016	312.8	397.4	273.3	240.1	442.2	..
2017	338.5	436.8	278.2	250.8	510.5	..
2018	376.4	495.2	318.0	260.2	546.3	..
2019	374.0	490.9	321.3	279.2	524.3	..
3Q2012	437.4	547.8	272.4	232.8	436.4	..
4Q2012	426.6	537.4	284.6	235.2	423.8	..
1Q2013	430.7	536.8	290.0	241.0	427.4	..
2Q2013	408.8	513.8	287.0	236.6	419.0	..
3Q2013	416.5	533.3	290.5	237.7	404.4	..
4Q2013	407.8	516.3	288.0	238.2	400.2	..
1Q2014	409.5	495.6	279.0	244.5	403.3	..
2Q2014	408.0	493.8	268.8	236.9	391.9	..
3Q2014	403.3	496.8	272.6	234.9	393.9	..
4Q2014	367.4	452.3	271.2	238.0	396.8	..
1Q2015	335.7	420.3	271.1	244.0	430.1	..
2Q2015	344.0	449.4	262.3	239.8	422.4	..
3Q2015	312.7	402.9	271.6	237.1	415.1	..
4Q2015	307.2	367.8	269.2	237.9	414.2	..
1Q2016	279.8	335.3	265.5	239.7	440.0	..
2Q2016	300.2	382.2	267.8	239.5	421.0	..
3Q2016	302.4	381.9	272.6	238.8	436.6	..
4Q2016	323.5	415.2	284.3	242.4	490.6	..
1Q2017	346.8	442.8	276.3	250.0	534.7	..
2Q2017	330.7	427.9	275.1	250.4	499.1	..
3Q2017	328.6	422.4	283.6	250.6	499.4	..
4Q2017	348.1	453.9	277.6	252.2	508.8	..
1Q2018	349.8	465.2	299.5	255.2	552.4	..
2Q2018	375.2	499.4	301.8	253.8	532.7	..
3Q2018	391.4	510.8	338.4	260.5	539.6	..
4Q2018	389.3	505.2	332.4	271.2	560.5	..
1Q2019	367.7	484.2	335.1	277.7	557.3	..
2Q2019	378.1	499.0	299.5	278.9	539.9	..
3Q2019	371.6	487.2	329.0	277.7	513.8	..
4Q2019	378.4	493.1	321.5	282.5	486.2	..
1Q2020	351.4	444.9	252.2	283.3	484.8	..
2Q2020	272.3	350.8	242.1	281.9	466.4	..
3Q2020

FINLAND

Sources

Data for all energy products, including energy price indices, are provided on a quarterly basis by **Statistics Finland**.

Data collection methodology

Prior to 4Q1985, prices refer to the first month of each quarter. From 1Q1986 to 4Q1992, prices refer to the second month of the quarter (except 3Q1988 prices which refer to July 1988).

From 1Q1993 onwards, prices refer to the monthly averages of the quarter. See individual products for exceptions.

Oil products

Motor fuel prices were deregulated on 18 June 1984. Prior to that, motor fuels were subject to a uniform maximum pump price for the whole country.

End-use prices for light fuel oil, automotive diesel and unleaded premium gasoline (98 and 95 RON) are based on retail prices in 64 fuelling stations around Finland, surveyed by Statistics Finland between the 10th and 20th of each month. National average prices are produced as averages of the prices in each of the fuelling stations. Ex-tax prices are derived by subtracting the applicable tax components from the end-use prices.

Prior to 2Q1979, prices for road fuels referred to full-service petrol stations. From 2Q1979 onwards, prices refer to self-service filling stations.

Natural gas

Ex-tax prices are based on tariffs charged by major natural gas distribution companies, which are weighted by market shares to produce an average ex-tax price. End-use prices are calculated by adding the applicable tax components to the ex-tax price.

Until 4Q2000, prices shown for industry and households are average contract prices.

From 1Q2001 onwards, prices for industry and electricity generation are based on an annual consumption of 1 000 GWh, charged capacity of 167 MW and effective time of capacity use of 6 000 hours per year.

Natural gas markets opened up in Finland starting from 1st of January 2020, when Baltic Connector became operational. In consequence, the earlier data collection of natural gas price statistics needs revision and their publi-

cation were discontinued till the new data collection process is functioning. The timetable for this is the beginning of 2021.

Steam and coking coal

Prices shown refer to hard coal delivered to consumers with an annual consumption of at least 40 000 tonnes.

It is an average import price that includes temporary storage in commercial ports and road transport cost.

Electricity

Prices for households and industry are based on a survey conducted by Finland's Energy Authority, in which every distribution company in the country reports ex-tax prices. Prices are then weighted by the market share of each company to produce national average ex-tax prices. End-use prices are calculated by adding the applicable tax components to the ex-tax price.

From 1Q2007 onwards, prices for industry refer to the national average for a consumption of 2 000 to 19 999 MWh/year in medium-scale industries. Data for industrial electricity prices are collected in compliance with the Eurostat methodology.

Until 4Q2006, prices for industry refer to the national average for a consumption of 2 000 MWh/year of high voltage over at least 4 000 hours/year in a medium-scale industry.

Prices for households refer to electricity used for non-heating purposes in a single house (120 m²) at a rate of 5.0 MWh/year with 3x25A.

Energy price indices

Annual indices are 12-month averages. From 1Q1993 onwards, quarterly indices refer to the 3-month average of the quarter. Prior to 4Q1992, quarterly indices refer to the second month.

For oil products, the wholesale index refers to the manufacture of refined petroleum products (Series ID: 232, NACE2002) and the retail index to light fuel oil (Series ID: 04.5.3.1.1.1, COICOP2005).

For electricity, the wholesale index refers to the production and distribution of electricity (Series ID: 401, NACE2002) and the retail index refers to electricity (Series ID: 04.5.1, COICOP2005).

For coal, the wholesale index refers to mining and agglomeration of hard coal (Series ID: 101, NACE2002).

Energy taxation

VAT

VAT (*ALV/MOMS*) applies to all energy products. VAT is refunded for purchases for commercial purposes. Therefore, it is not included in prices shown for industry, electricity generation and automotive fuels for commercial use.

From	To	%
01.01.91	30.09.91	21.21
01.10.91	30.06.10	22.00
01.07.10	31.12.12	23.00
01.01.13	now	24.00

Excise tax

The legal framework for energy taxation in Finland comprises the Act on Excise Duty on Liquid Fuels (1472/1994), the Act on Excise Duty on Electricity and selected fuels (1260/1996), the Act on Defence of Security of Supply (1390/1992) and the Act on the Oil Pollution Compensation Fund (1406/2004). The legal framework in place in Finland is consistent with the 2003 EU Energy Taxation Directive.

A comprehensive reform of energy taxation in Finland came into force on 1 January 2011, amending the aforementioned legislation so that duties came to be based on each fuel's energy content and CO₂ emissions from combustion.

Fuels used for electricity generation are tax-free. Fuels used for combined electricity and heat generation are taxed at 50% of the values applicable to general consumption.

Tax applicability table (not exhaustive)

	HSFOIL/SFO	LFO	Diesel	Gasoline	LPG	Natural gas	Steam coal	Coking coal	Electricity
Energy content tax	x	x	x	x	x	x	x	x	
CO ₂ tax	x	x	x	x	x	x	x	x	
Energy tax									x
Strategic stockpile fees	x	x	x	x	x	x	x	x	x
Oil pollution fees	<i>For imports/transit</i>								

Energy content tax (*Energiasäältövero/Energiinnehållsskatt*)

An energy content tax was introduced with the energy taxation reform that came into force on 1 January 2011. It generally applies to combustible fuels. Rates are based on the calorific value of each fuel.

CO₂ tax (*Hiilidioksidivero/Koldioxidskatt*)

A CO₂ tax was introduced with the energy taxation reform that came into force on 1 January 2011. It generally applies to combustible fuels.

Rates are based on the specific CO₂ emissions resulting from combustion of each fuel.

Energy tax (*Energiavero/Energiskatt*)

Electricity consumption in Finland is subject to an energy tax, with a reduced tax rate for industry as well as server rooms and data centres.

Strategic stockpile fees

(*Huoltovarmuusmaksut/Försörjningsberedskaps avgifter*)

A strategic stockpile fee is levied on liquid fuels, electricity, coal and natural gas to cover the expenses incurred by the Finnish State for emergency stockpiling fuels and other measures to secure energy supply.

Oil pollution fees (*Öljysuojamaksut/Oljeskydds avgifter*)

Imported oil products, as well as oil products transiting through the country, are subject to a mandatory contribution to the Oil Pollution Compensation Fund, used to cover for expenses linked with oil pollution and environmental restauration. If the assets of the Fund exceed the set capital requirement, collection of the fee will be suspended.

The oil pollution fees are levied on a flat per tonne basis, which is then converted to a volume basis using the appropriate densities.

Energy content tax (Energiasisältövero/Energiinnehållsskatt)

From	To	Heavy fuel oil (EUR/1000l)	Light fuel oil (EUR/1000l)	Automotive diesel (EUR/l)	Gasoline (EUR/l)	Natural gas (EUR/MWh)	Coal (EUR/tonne)
01.01.11	31.12.11	87.90	77.00	0.0000	0.5036	3.00	54.54
01.01.12	31.12.12	87.90	77.00	0.3070	0.5036	3.00	54.54
01.01.13	31.12.14	75.90	66.50	0.3070	0.5036	4.45	47.10
01.01.15	31.12.15	75.90	66.50	0.3165	0.5120	6.65	47.10
01.01.16	31.12.16	75.90	66.50	0.3165	0.5120	6.65	47.10
01.01.17	31.12.17	80.50	70.50	0.3277	0.5219	7.05	49.93
01.01.18	31.12.18	85.60	75.00	0.3277	0.5219	7.50	53.13
01.01.19	now	85.60	76.30	0.3277	0.5219	7.63	52.77

CO₂ tax (Hiilidioksidivero/Koldioxidskatt)

From	To	Heavy fuel oil (EUR/1000l)	Light fuel oil (EUR/1000l)	Automotive diesel (EUR/l)	Gasoline (EUR/l)	Natural gas (EUR/MWh)	Coal (EUR/tonne)
01.01.11	31.12.11	97.20	80.00	0.0000	0.1166	5.94	72.37
01.01.12	31.12.12	97.20	80.00	0.1590	0.1400	5.94	72.37
01.01.13	31.12.13	113.40	93.40	0.1590	0.1400	6.93	84.43
01.01.14	31.12.14	113.40	93.40	0.1861	0.1625	6.93	84.43
01.01.15	31.12.15	142.50	117.40	0.1861	0.1625	8.71	106.14
01.01.16	31.12.16	174.90	144.00	0.1861	0.1625	10.69	130.26
01.01.17	31.12.17	187.80	154.70	0.1990	0.1738	11.48	139.91
01.01.18	31.12.18	200.80	165.40	0.1990	0.1738	12.28	149.56
01.01.19	now	186.70	169.00	0.1990	0.1738	12.94	147.81

Energy tax (Energiavero/Energiskatt)

From	To	Electricity industry (EUR/MWh)	Electricity households (EUR/MWh)
01.01.11	31.12.12	6.90	16.90
01.01.13	31.12.13	6.90	16.90
01.01.14	31.12.14	6.90	18.90
01.01.15	31.12.15	6.90	22.40
01.01.16	31.02.16	6.90	22.40
01.03.16	now	6.90	22.40

Strategic stockpile fees (Huoltovarmuusmaksut/Försörjningsberedskaps avgifter)

From	To	Heavy fuel oil (EUR/1000l)	Light fuel oil (EUR/1000l)	Automotive diesel (EUR/l)	Gasoline (EUR/l)	Natural gas (EUR/MWh)	Coal (EUR/tonne)	Electricity (EUR/MWh)
01.01.97	now	2.80	3.50	0.0035	0.0068	0.084	1.18	0.13

Oil pollution fees (Öljysuojamaksut/Oljeskydds avgifter)

From	To	Heavy fuel oil (EUR/1000l)	Light fuel oil (EUR/1000l)	Automotive diesel (EUR/l)	Gasoline (EUR/l)
01.01.90	31.12.04	0.3700	0.3100	0.0003	0.0028
01.01.05	31.12.09	0.5000	0.4200	0.0004	0.0004
01.01.10	29.02.20	1.5000	1.2600	0.0013	0.0011
01.03.20	now	0.0000	0.0000	0.0000	0.0000

Product specifications

	Light fuel oil	Natural gas	Steam coal
Density (kg/l)	0.84		
NCV (kcal/kg)		5 430	
GCV (kcal/m ³)		10 476	

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Table 1 - Average prices and taxes in euros

Low sulphur fuel oil for industry (per tonne)					High sulphur fuel oil for industry (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	298.20	18.50	-	18.50	316.70	290.51	18.50	-	18.50	309.01
2010	392.51	18.50	-	18.50	411.01
2011	503.90	18.50	-	18.50	522.40
2012	582.87	18.50	-	18.50	601.37
2013	533.49	18.50	-	18.50	551.99
2014	497.05	21.16	-	21.16	518.21
2015	330.60	45.30	-	45.30	375.90
2016	273.03	68.80	-	68.80	341.83
2017	356.98	94.87	-	94.87	451.85
2018	423.49	138.62	-	138.62	562.10
2019	429.46	139.50	-	139.50	568.96
3Q2019	423.73	139.50	-	139.50	563.23
4Q2019	432.39	139.50	-	139.50	571.89
1Q2020	403.21	139.50	-	139.50	542.71
2Q2020	253.53	139.50	-	139.50	393.03
3Q2020
Light fuel oil for industry (per 1000 litres)					Light fuel oil for households (per 1000 litres)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	380.28	56.60	-	56.60	436.88	423.88	56.60	94.18	150.78	574.66
2010	508.82	56.60	-	56.60	565.42	539.47	56.60	116.83	173.43	712.90
2011	648.31	56.60	-	56.60	704.91	685.25	56.60	145.40	202.00	887.25
2012	727.21	56.60	-	56.60	783.81	753.65	56.60	158.81	215.41	969.05
2013	685.17	56.60	-	56.60	741.77	718.84	56.60	151.99	208.59	927.43
2014	613.98	56.60	-	56.60	670.58	661.31	56.60	143.58	200.18	861.49
2015	461.63	76.40	-	76.40	538.03	515.95	76.40	118.47	194.87	710.82
2016	382.86	96.30	-	96.30	479.17	431.61	96.30	105.58	201.88	633.50
2017	443.16	118.89	-	118.89	562.05	497.04	118.45	123.10	241.55	738.59
2018	548.09	156.20	-	156.20	704.29	604.54	155.45	152.00	307.45	911.99
2019	569.01	156.20	-	156.20	725.21	617.79	156.20	154.80	311.00	928.79
3Q2019	557.52	156.21	-	156.21	713.73	607.77	156.20	152.79	309.00	916.77
4Q2019	573.24	156.20	-	156.20	729.44	621.16	156.20	155.47	311.67	932.83
1Q2020	516.82	156.20	-	156.20	673.02	579.16	156.20	147.07	303.27	882.43
2Q2020	394.09	156.20	-	156.20	550.29	459.19	156.20	123.08	279.28	738.47
3Q2020
Automotive diesel for commercial use (per litre)					Automotive diesel for non-commercial use (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.410	0.428	-	0.428	0.838	0.410	0.428	0.164	0.592	1.002
2010	0.529	0.428	-	0.428	0.957	0.529	0.428	0.188	0.616	1.145
2011	0.680	0.437	-	0.437	1.117	0.680	0.437	0.219	0.656	1.336
2012	0.737	0.430	-	0.430	1.168	0.737	0.430	0.229	0.659	1.396
2013	0.690	0.439	-	0.439	1.129	0.690	0.439	0.221	0.660	1.350
2014	0.633	0.441	-	0.441	1.073	0.633	0.441	0.215	0.656	1.288
2015	0.482	0.481	-	0.481	0.962	0.482	0.481	0.192	0.673	1.155
2016	0.408	0.511	-	0.511	0.918	0.408	0.511	0.184	0.694	1.102
2017	0.479	0.546	-	0.546	1.025	0.479	0.546	0.205	0.751	1.230
2018	0.589	0.608	-	0.608	1.197	0.589	0.608	0.239	0.848	1.437
2019	0.590	0.609	-	0.609	1.199	0.590	0.609	0.240	0.849	1.439
3Q2019	0.577	0.609	-	0.609	1.186	0.577	0.609	0.237	0.846	1.423
4Q2019	0.594	0.609	-	0.609	1.203	0.594	0.609	0.241	0.850	1.444
1Q2020	0.551	0.609	-	0.609	1.161	0.551	0.609	0.232	0.841	1.393
2Q2020	0.386	0.609	-	0.609	0.995	0.386	0.609	0.199	0.808	1.194
3Q2020

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Table 2 - Average prices and taxes in euros

Premium unleaded (98 RON) gasoline (per litre)					Premium unleaded (95 RON) gasoline (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.434	0.606	0.204	0.810	1.244	0.403	0.606	0.198	0.804	1.207
2010	0.549	0.606	0.227	0.833	1.382	0.518	0.606	0.220	0.826	1.344
2011	0.674	0.611	0.252	0.863	1.537	0.643	0.611	0.246	0.857	1.500
2012	0.750	0.604	0.265	0.869	1.618	0.706	0.604	0.257	0.861	1.567
2013	0.721	0.613	0.261	0.874	1.595	0.673	0.613	0.252	0.865	1.538
2014	0.673	0.613	0.257	0.870	1.544	0.626	0.613	0.248	0.861	1.486
2015	0.549	0.630	0.236	0.866	1.415	0.500	0.631	0.226	0.857	1.356
2016	0.488	0.648	0.227	0.875	1.362	0.437	0.648	0.217	0.864	1.301
2017	0.543	0.659	0.241	0.900	1.443	0.487	0.659	0.229	0.888	1.375
2018	0.618	0.691	0.262	0.953	1.571	0.565	0.691	0.251	0.942	1.507
2019	0.617	0.691	0.262	0.953	1.569	0.563	0.691	0.251	0.942	1.505
3Q2019	0.618	0.691	0.262	0.953	1.571	0.562	0.691	0.251	0.942	1.504
4Q2019	0.619	0.691	0.262	0.953	1.573	0.566	0.691	0.251	0.943	1.508
1Q2020	0.590	0.691	0.256	0.948	1.538	0.536	0.691	0.245	0.937	1.473
2Q2020	0.424	0.691	0.223	0.914	1.338	0.372	0.691	0.213	0.904	1.276
3Q2020
Automotive LPG for non-commercial use (per litre)					Natural gas for industry (per megawatt hour GCV)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.505	0.060	0.111	0.171	0.676	33.94	0.88	-	0.88	34.82
2010	0.555	0.060	0.120	0.180	0.735	33.38	0.97	-	0.97	34.34
2011	0.654	0.060	0.140	0.200	0.853	36.15	1.01	-	1.01	37.16
2012	0.678	0.060	0.144	0.204	0.882	39.70	1.03	-	1.03	40.73
2013	0.670	0.060	0.143	0.203	0.873	40.44	1.09	-	1.09	41.53
2014	0.654	0.060	0.143	0.203	0.857	38.06	1.42	-	1.42	39.49
2015	0.585	0.072	0.131	0.204	0.788	35.24	2.74	-	2.74	37.98
2016	0.513	0.078	0.118	0.196	0.709	29.29	3.60	-	3.60	32.89
2017	0.525	0.092	0.123	0.215	0.740	29.42	4.77	-	4.77	34.19
2018	0.568	0.115	0.137	0.251	0.819	30.88	5.96	-	5.96	36.84
2019	0.598	0.115	0.143	0.258	0.856	30.86	5.53	-	5.53	36.39
3Q2019	0.606	0.115	0.144	0.260	0.865	30.10	5.53	-	5.53	35.63
4Q2019	0.597	0.115	0.143	0.258	0.855	30.10	5.53	-	5.53	35.63
1Q2020	0.596	0.115	0.142	0.258	0.853
2Q2020	0.584	0.115	0.140	0.255	0.839
3Q2020
Natural gas for electricity generation (per megawatt hour GCV)					Natural gas for households (per megawatt hour GCV)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	49.79	0.01	8.48	8.48	58.27
2010	47.33	0.64	8.08	8.72	56.05
2011	52.12	1.48	8.96	10.44	62.57
2012	56.85	1.63	9.71	11.33	68.19
2013	60.07	1.62	10.41	12.04	72.11
2014	62.70	2.41	10.76	13.18	75.88
2015	59.86	4.42	10.59	15.01	74.88
2016	53.97	6.01	9.67	15.68	69.65
2017	52.58	8.08	10.00	18.08	70.66
2018	54.72	10.88	10.58	21.46	76.18
2019	59.37	11.14	11.46	22.61	81.98
3Q2019	63.53	11.86	12.01	23.87	87.40
4Q2019	63.53	11.86	12.01	23.87	87.40
1Q2020
2Q2020
3Q2020

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Table 3 - Average prices and taxes in euros

Steam coal for industry (per tonne)						Steam coal for electricity generation (per tonne)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	82.02	-	-	-	82.02
2010	81.75	-	-	-	81.75
2011	136.03	1.61	-	1.61	137.64	92.26	-	-	-	92.26
2012	150.05	1.60	-	1.60	151.64	85.37	0.67	-	0.67	86.04
2013	123.04	1.28	-	1.28	124.32	74.81	0.48	-	0.48	75.30
2014	116.55	1.97	-	1.97	118.52	71.45	0.83	-	0.83	72.28
2015	115.70	3.60	-	3.60	119.30	68.03	0.85	-	0.85	68.87
2016	113.90	0.80	-	0.80	114.70	67.80	0.79	-	0.79	68.59
2017	117.25	1.09	-	1.09	118.34	80.49	0.81	-	0.81	81.31
2018	136.29	2.29	-	2.29	138.58	77.26	1.35	-	1.35	78.61
2019
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020
Steam coal for households (per tonne)						Coking coal for industry (per tonne)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	148.08	-	-	-	148.08
2010	164.46	-	-	-	164.46
2011	208.22	-	-	-	208.22
2012	183.86	-	-	-	183.86
2013	130.22	-	-	-	130.22
2014	..	16.53	109.07	-	-	-	109.07
2015	..	34.30	100.83	-	-	-	100.83
2016	..	52.06	104.36	-	-	-	104.36
2017	..	72.13	205.46	-	-	-	205.46
2018	..	105.56	-	-	..	184.43	-	-	-	184.43
2019	..	105.56	-	-	..	187.54	-	-	-	187.54
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020
Electricity for industry (per megawatt hour)						Electricity for households (per megawatt hour)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	68.89	7.81	-	7.81	76.70	86.07	11.99	16.78	28.77	114.84
2010	72.22	8.65	-	8.65	80.87	90.72	15.21	18.50	33.71	124.43
2011	75.79	12.21	-	12.21	88.00	94.86	19.58	19.76	39.34	134.20
2012	77.06	13.79	-	13.79	90.85	96.82	21.06	20.36	41.42	138.24
2013	78.74	18.22	-	18.22	96.96	99.23	25.32	22.14	47.47	146.70
2014	78.70	20.81	-	20.81	99.51	101.65	28.64	23.17	51.82	153.46
2015	79.95	23.03	-	23.03	102.97	106.18	31.80	24.43	56.23	162.41
2016	74.44	21.24	-	21.24	95.68	105.04	34.94	24.80	59.74	164.78
2017	74.50	22.98	-	22.98	97.48	105.96	35.20	25.03	60.23	166.19
2018	76.82	21.74	-	21.74	98.56	109.96	35.82	25.65	61.48	171.44
2019	83.59	21.67	-	21.67	105.26	115.15	36.41	26.33	62.75	177.89
3Q2019	81.66	21.66	-	21.66	103.32	121.32	36.78	27.28	64.06	185.38
4Q2019	81.66	21.66	-	21.66	103.32	121.32	36.78	27.28	64.06	185.38
1Q2020
2Q2020
3Q2020

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Table 4 - Indices of energy prices

	Oil products		Electricity		Natural gas		Coal	
	Wholesale 2015 = 100	Retail 2015 = 100						
1999	40.9	58.8	..	71.0	..	47.3	..	69.4
2000	70.3	71.7	78.1	69.5	48.9	49.2	..	70.8
2001	62.2	67.7	77.8	69.2	57.4	58.8	..	72.5
2002	59.4	65.5	78.6	69.8	55.5	59.0	..	74.7
2003	60.9	67.6	79.4	70.6	58.8	60.3	59.4	76.2
2004	71.3	73.5	80.5	71.6	56.4	57.1	72.5	78.3
2005	94.4	84.9	80.5	71.5	66.2	61.0	89.8	79.7
2006	106.5	90.6	81.0	72.0	80.5	71.5	89.0	82.4
2007	108.4	92.0	82.1	73.0	79.2	73.9	88.4	85.1
2008	133.7	105.8	83.7	74.0	98.0	82.0	108.7	87.6
2009	84.8	85.6	86.4	75.4	83.2	79.7	104.2	89.3
2010	113.3	98.0	89.1	77.2	92.0	85.2	119.0	91.1
2011	144.8	113.4	93.8	82.2	105.1	92.4	133.7	93.3
2012	159.4	120.0	98.4	84.7	114.0	99.0	133.7	95.9
2013	149.8	117.1	99.0	90.3	116.5	102.8	125.2	96.3
2014	136.6	112.1	97.4	95.4	107.0	102.2	104.3	99.1
2015	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2016	84.8	94.7	97.5	103.1	82.4	91.6	96.5	100.6
2017	101.9	104.5	99.9	103.6	87.0	96.1	112.9	100.9
2018	125.0	120.0	103.3	104.9	96.6	108.2	116.4	101.4
2019	120.4	120.8	109.0	109.0	86.5	110.7	128.7	103.9
3Q2012	160.9	119.8	99.4	85.7	115.3	99.2	141.9	95.9
4Q2012	158.0	118.1	101.2	86.1	116.8	101.6	129.9	96.0
1Q2013	157.1	120.5	103.6	88.5	118.7	103.5	126.0	95.9
2Q2013	145.3	116.7	94.3	88.8	116.2	102.4	124.5	95.7
3Q2013	150.6	117.0	95.6	91.3	115.1	102.5	120.5	96.4
4Q2013	146.2	114.4	102.7	92.5	116.2	102.8	129.8	97.2
1Q2014	143.4	114.6	100.7	95.1	114.8	103.5	104.1	99.1
2Q2014	142.2	113.8	94.2	95.1	105.4	102.1	105.4	98.7
3Q2014	141.3	113.2	93.3	95.1	99.3	99.4	102.9	99.1
4Q2014	119.7	107.0	101.4	96.3	108.4	103.8	104.6	99.6
1Q2015	102.7	100.6	103.6	99.2	105.1	103.8	105.1	99.9
2Q2015	115.8	105.5	96.1	99.2	101.6	100.7	104.8	100.0
3Q2015	97.2	99.5	97.9	100.5	98.6	98.5	97.5	100.2
4Q2015	84.3	94.4	102.4	101.1	94.8	97.0	92.6	99.9
1Q2016	69.0	89.3	99.1	103.3	84.5	95.0	86.7	100.6
2Q2016	86.2	95.5	93.0	103.3	77.0	89.0	87.1	100.3
3Q2016	86.0	95.3	96.0	103.0	82.0	90.3	96.0	100.1
4Q2016	98.1	98.7	101.9	102.9	86.2	92.1	116.0	101.4
1Q2017	105.5	106.9	103.5	102.9	89.9	99.1	115.2	101.1
2Q2017	97.2	103.2	94.5	102.9	86.0	97.8	109.6	100.2
3Q2017	96.3	101.2	96.5	104.0	83.6	92.5	109.9	101.2
4Q2017	108.4	106.7	105.0	104.5	88.3	95.1	116.8	101.3
1Q2018	112.2	115.2	107.3	105.0	90.3	102.8	110.4	101.1
2Q2018	128.0	120.1	96.5	105.1	91.7	101.2	114.0	101.3
3Q2018	133.7	122.0	101.1	104.8	99.4	110.8	118.8	101.4
4Q2018	125.9	122.7	108.3	104.7	104.7	117.7	122.4	101.7
1Q2019	117.2	119.0	114.1	104.8	96.5	116.5	132.5	102.8
2Q2019	126.5	123.1	101.9	106.9	87.3	113.9	134.4	103.7
3Q2019	119.8	119.8	106.4	111.9	79.9	106.9	127.6	104.8
4Q2019	118.1	121.5	113.5	112.4	82.2	105.6	120.4	104.4
1Q2020	98.5	117.5	116.4	114.1	74.8	103.3	111.8	105.0
2Q2020	58.7	101.2	104.1	115.0	63.5	95.4	107.1	108.2
3Q2020

FRANCE

Sources

Prices and taxes data for oil products, natural gas and electricity, as well as all energy price indices, are provided on a quarterly basis by the **Ministry of Ecological and Solidarity Transition (the Ministry)**.

Data collection methodology

From 1Q1990 onwards, prices refer to the weekly averages of the quarter. From 1Q1985 to 4Q1989, prices refer to the second month of each quarter. Prior to 1Q1985, prices refer to the first month of each quarter.

Oil products

Oil product prices, with the exception of unleaded premium gasoline (98 RON) and light fuel oil for industry, are derived from the European Commission's *Weekly Oil Bulletin*, which reports weekly ex-tax and end-use prices.

Quarterly and annual figures are calculated as arithmetical averages of the weekly data. Total taxes are calculated by subtracting the ex-tax prices from the final prices. Excise taxes for non-commercial users are calculated by subtracting VAT from the total taxes. For commercial users, excise taxes are equal to total taxes, as they are exempt from VAT.

Prices for light fuel oil for industry are derived from monthly prices for "*fioul domestique, livraisons de plus de 27 000 litres*" published on the Ministry's website.

Quarterly and annual data are calculated as simple arithmetical averages of the monthly ex-tax and total prices published by the Ministry. Excise tax rates are calculated as the residual of the subtraction of the ex-tax and total prices, as industrial users are VAT-exempt.

Prices for unleaded premium gasoline (98 RON) are derived from monthly prices for "*supercarburant sans plomb 98*" published on the Ministry's website.

Quarterly and annual ex-tax prices are calculated as arithmetical averages of the monthly ex-tax prices published by the Ministry. Total taxes are calculated by subtracting the ex-tax price from the final price. Excise taxes for non-commercial users are calculated by subtracting the VAT from the total taxes.

Natural gas

From 1Q2007 onwards, prices refer to the Eurostat consumption bands D1, D2 and D3 for households; and

bands I1, I2, I3, I4 and I5, for non-households. Prices refer to those charged to household and final non-household customers buying natural gas for their own use that is distributed through the main gas network. Prices cover the whole consumption spectrum for households. For non-households, annualized consumption above 4 000 TJ (1 111.11 GWh PCS) is excluded.

Prices include all household and final non-household customers of natural gas. Customers who use natural gas only for electricity generation in power plants or in combined heat and power (CHP) plants or for non-energy purposes (e.g. for use in the chemicals industry) are excluded.

National average prices are computed by the Ministry as consumption-weighted averages of the average prices per band published by Eurostat. The weights used for this calculation are bi-annual consumption figures per band collected through surveys.

Eurostat data are bi-annual, therefore, prices for 1Q and 2Q are the same, as are those for 3Q and 4Q.

Excise taxes are calculated as the subtraction of the prices excluding taxes from the prices including non-VAT taxes, as published by Eurostat.

Electricity

From 1Q2007 onwards, prices refer to the Eurostat consumption bands DA, DB, DC, DD and DE for households; and bands IA, IB, IC, ID, IE and IF, for non-households. Prices refer to those charged to household and final non-household customers buying electricity for their own use. Prices cover the whole consumption spectrum for households. For non-households, annualized consumption above 150 GWh is excluded.

Prices include all household and final non-household customers of electricity. Electricity generated and subsequently consumed by autoproducers are excluded from the reporting obligation.

National average prices are computed by the Ministry as consumption-weighted averages of the average prices per band published by Eurostat. The weights used for this calculation are bi-annual consumption figures per band collected through surveys.

Eurostat data are bi-annual, therefore, prices for 1Q and 2Q are the same, as are those for 3Q and 4Q.

Excise taxes are calculated as the subtraction of the prices excluding taxes from the prices including non-VAT taxes, as published by Eurostat.

Coal

Steam coal prices for electricity generation refer to the coal used by main activity electricity producers, autoproducers and coal used for cogeneration.

Steam coal for industry prices refer to the coal used by heat producers

Coking coal for industry prices do not include the cost of transport. However, in general consumption takes place in the port cities where the coal is received.

Energy price indices

Annual and quarterly indices are 12-month and 3-month averages, respectively, of the price indices listed below, as published in the **French National Institute of Statistics and Economic Studies' (INSEE)** website.

Wholesale indices for oil products refer to the following time series: *Indice de prix de production de l'industrie française pour le marché français - CPF 19.20 - Produits du raffinage du pétrole - Prix de base - Base 2015 - Données mensuelles brutes, Series ID: 010534157*.

Retail indices for oil products refer to the following time series: *Indice des prix à la consommation - Secteurs conjoncturels, mensuel, ensemble des ménages, métropole, base 2015 - Énergie: Produits pétroliers, Series ID: 001764295*.

Wholesale indices for electricity refer to the following time series: *Indice de prix de production de l'industrie française pour le marché français - CPF 35.1 - Électricité, transport et distribution d'électricité - Prix de base Base 2015- Données mensuelles brutes, Series ID: 010534418*.

Retail indices for electricity refer to the following time series: *Indice des prix à la consommation (Mensuel, Ensemble des ménages, Métropole, Base 2015) - Nomenclature COICOP : 04.5.1 - Électricité, Series ID: 001764003*

Wholesale indices for natural gas refer to the following time series: *Indice de prix de production de l'industrie française pour le marché français - CPF 35.23 - Commerce du gaz par conduites - Prix de base - Base 2015 - Données mensuelles brutes, Series ID: 010534422*.

Retail indices for natural gas refer to the following time series: *Indice des prix à la consommation (Mensuel, Ensemble des ménages, Métropole, Base 2015) - Nomenclature COICOP : 04.5.2.1 - Gaz de ville, Series ID: 001764006*.

Wholesale indices for coal refer to the following time series: *Indice de prix d'importation de produits industriels - CPF 05.10 - Houille - Toutes zones - Base 2015 - Données mensuelles brutes - Series ID: 010535630*.

Retail indices for coal refer to the following time series: *Indice des prix à la consommation (Mensuel, Ensemble des ménages, Métropole, Base 2015) - Nomenclature COICOP : 04.5.4 - Combustibles solides, Series ID: 001764010*.

Energy taxation

VAT

VAT (TVA) applies to all energy products. VAT is refunded for purchases for commercial purposes. Therefore, it is not included in prices shown for the industrial and electricity generation sectors, as well as for automotive fuels for commercial use.

The fixed components in electricity and natural gas tariffs in France are subject to a reduced VAT rate.

From	To	General %	Reduced %
01.11.88	31.12.94	18.6	5.5
01.01.95	31.07.95	18.6	18.6
01.08.95	31.12.98	20.6	20.6
01.01.99	31.03.00	20.6	5.5
01.04.00	31.12.13	19.6	5.5
01.01.14	now	20	5.5

Excise tax

The legal framework for excise taxation on energy in place in France is consistent with the 2003 EU Energy Taxation Directive and the EU Fuel Quality Directive.

Tax applicability table (not exhaustive)

	HFO	LFO	Diesel	Gasoline	LPG	Natural gas	Steam coal	Coking coal	Electricity
TICPE	x	x	x	x	x	x	x		
TICGN						x			
TICFE								x	
TCCFE								x	
TDCFE								x	
TICC							x	x	

Internal consumption tax on energy products (Taxe intérieure de consommation sur les produits énergétiques - TICPE)

The internal consumption tax on energy products, known until 2011 as internal tax on oil products (*taxe intérieure sur les produits pétroliers - TIPP*), is an excise tax levied on oil products including transport fuels and heating fuels, such as diesel and gasoline, electricity, compressed natural gas (CNG), coal and coke.

On 1 April 2014, a carbon component (*contribution climat-énergie - CCE*) was introduced at a rate of 7 EUR/tonne

of CO₂ for the year 2014. This component is set to be raised every year to 56 EUR/tonne of CO₂ in 2020 and to 100 EUR/tonne of CO₂ in 2030, targets set in the Energy Transition Law of 2015.

Measures have been taken to reduce the gap between diesel and gasoline taxes. The 2015 Finance Law raised the taxation on gasoline by 0.02 EUR/l. Excise duty on diesel increased by almost 0.04 EUR/l in 2015. Between 2014 and 2017, in total, the tax differential between diesel and gasoline (E10) will have been reduced by 0.06 EUR/l to 0.12 EUR/l. In 2016, TICPE rates for automotive diesel and gasoline stood at 0.511 EUR/l and 0.648 EUR/l, respectively.

Since 1 January 2007, the regional governments of France have been allowed to decide on the applicability of a fraction of the national TICPE rate levied on sales of unleaded premium gasolines (up to 0.0177 EUR/l) and diesel (up to 0.0115 EUR/l) in their regional territories.

Additionally, since 2011, regional councils and the Corsican assembly can increase the applicable TICPE rates levied on sales of unleaded premium gasolines (up to 0.0073 EUR/l) and diesel (up to 0.0135 EUR/l) in their regional territories. The revenue from this increase in TICPE rates is earmarked for financing infrastructure projects in the regions.

In Corsica, TICPE rates for unleaded premium gasolines are reduced by 0.01 EUR/litre (Art. 265 *quinquies* of the Code des Douanes).

Between 1 October 2000 and 21 July 2002, the TIPP rates were reviewed every two months to compensate for variations in crude oil spot prices, using dated Brent as a benchmark. When the price of crude increased by more than 10%, the amount of TIPP decreased by the same amount. Conversely, when the price of benchmark crude oil decreased by more than 10%, the TIPP increased by the same amount. Since 22 July 2002, the TIPP no longer depends on the price of oil.

Internal consumption tax on natural gas

(*Taxe Intérieure sur Consommation de Gaz Naturel - TICGN*)

The TICGN is defined, in its current form, in Article 266 *quinquies* of the French Customs Code. Since its introduction in 1986, this tax has been known under several names. Tax rates and exemptions have varied several times since its introduction.

From 1 April 2014, the TICGN applies to natural gas consumption by both industry and households, the latter having previously been exempted. Natural gas used in electricity generation and refineries is exempted. Industries subject to emission quotas benefit from a reduced tax rate.

Between 1 April 2008 and 31 March 2014, the TICGN applied to all customers, except for households using gas for heating (including collective heating), public premises (exempt until 1 January 2009) and some specific industrial uses of gas (including power generation).

Prior to 1 April 2008, it applied to industrial consumers whose consumption was greater than 18 000 GJ/year, and was paid on the difference between the actual consumption and a threshold of 17 280 GJ/year.

General tax on polluting activities

(*Taxe générale sur les activités polluantes - TGAP*)

TGAP was created by pooling existing taxes and mandatory levies allocated to ADEME. The aim is to encourage the incorporation of biofuels in fuels sold by penalizing distributors that sell fuels with a biofuel rate below a certain blending level. This tax is applied to biofuel distributors since 2005 and the tax rate is growing every year.

Internal consumption tax on electricity

(*Taxe intérieure sur la consommation finale d'électricité - TICFE*)

The TICFE is defined, in its current form, in Article 266 *quinquies* C of the French Customs Code. The TICFE was first introduced on 1 January 2011, and applied to high-voltage industrial users (250 to 10 000 kVA) exclusively, at a flat rate of 0.5 EUR/MWh.

On January 1 2016, the contribution to public electricity service (*Contribution au service public de l'électricité - CSPE*), which had applied to all consumer categories in France, was incorporated into the TICFE, extending its applicability to all electricity consumers in France.

In the tables shown at the end of this section, the TICFE rates for residential consumers for the periods prior to 1 January 2016 correspond to the CSPE. For these periods, the rates shown for industry are the sum of CSPE and the flat TICFE rate valid until 31 December 2015.

Municipal consumption tax on electricity

(*Taxe communale sur la consommation finale d'électricité - TCCFE*)

The TCCFE, a regional tax on electricity levied at a municipal (*commune*) level, was introduced on 1 January 2011.

Industrial consumers consuming at high-voltage (>250 kVA) are exempted from this tax component.

Municipalities in France are free to set the applicable rates within a legally defined band.

Tax rates are calculated by multiplying a base rate by a multiplier coefficient.

Tax rate = base rate x multiplier coefficient

Between 2011 and 2018, the base rate was 0.75 EUR/MWh and in 2019 the base rate was 0.76 EUR/MWh, for commercial consumers (<=36 kVA) and for non-commercial consumers (<=250 kVA).

Currently, the base rate is 0.77 EUR/MWh for commercial consumers (<=36 kVA) and for non-commercial consumers (<=250 kVA).

Between 2011 and 2019, the base rate was 0.25 EUR/MWh for commercial consumers (>36 kVA and <=250 kVA). Currently the base rate is 0.26 EUR/MWh for commercial consumers (>36 kVA and <=250 kVA).

The community concerned can change the multiplier coefficient per vote each year. They set the multiplier coefficient between 0 and 8.5 (upper limit fixed since 2015). In the absence of a new deliberation, the multiplier coefficient is renewed from year to year.

Between 2012 and 2015, the upper limit of the multiplier coefficient is updated in proportion to the average consumer price index.

From 2016, the base rate is updated in proportion to the average consumer price index but no longer the multiplier coefficient.

The tables at the end of this section show the maximum TCCFE rates. Effective rates vary between 0 and the values shown in the table, depending on the municipality.

Departmental consumption tax on electricity (*Taxe départementale sur la consommation finale d'électricité - TDCFE*)

The TDCFE, a regional tax on electricity levied at a departmental (*département*) level, was introduced on 1 January 2011.

Industrial users consuming at high-voltage (>250 kVA) are exempted from this tax component.

Departments in France are free to set the applicable rates within a legally defined band.

Internal consumption tax on energy products (*Taxe intérieure de consommation sur les produits énergétiques - TICPE*)

From	To	Fuel oil (EUR/tonne)	Light fuel oil ³ EUR/1000l	Automotive diesel (EUR/l)	Gasoline 98 RON ¹ and 95 RON ¹ (EUR/l)	Gasoline 95 RON E10 ² (EUR/l)	Automotive LPG (EUR/100kg net)
15.04.93	31.12.93	HTS 19,7/ BTS 14,2	NA	0.2654	0.4423	NA	NA
01.01.94	31.12.94	HTS 21,4/ BTS 15,4	NA	0.3205	0.5023	NA	NA
01.01.95	31.12.95	HTS 21,7/ BTS 15,7	NA	0.3259	0.5446	NA	NA
01.01.96	31.12.96	HTS 22,1/BTS 16,0	NA	0.3457	0.5644	NA	NA
01.01.97	31.12.97	HTS 22,6/BTS 16,3	NA	0.3549	0.5736	NA	NA
01.01.98	31.12.98	HTS 22,9/ BTS 16,6	NA	0.3671	0.5858	NA	NA
01.01.99	31.12.99	HTS 23,1/ BTS 16,7	NA	0.3783	0.5863	NA	NA

Tax rates are calculated by multiplying a base rate by a multiplier coefficient.

Tax rate = base rate x multiplier coefficient

Between 2011 and 2018, the base rate was 0.75 EUR/MWh for commercial consumers (<=36 kVA) and for non-commercial consumers (<=250 kVA). Currently, the base rate is 0.76 EUR/MWh for commercial consumers (<=36 kVA) and for non-commercial consumers (<=250 kVA). Since 2011, the base rate is 0.25 EUR/MWh for commercial consumers (>36 kVA and <=250 kVA).

The community concerned can change the multiplier coefficient per vote each year. They set the multiplier coefficient between 2 and 4.25 (upper limit fixed since 2015). In the absence of a new deliberation, the multiplier coefficient is renewed from year to year.

Between 2012 and 2015, the upper limit of the multiplier coefficient is updated in proportion to the average consumer price index.

From 2016, the base rate is updated in proportion to the average consumer price index but no longer the multiplier coefficient.

The tables at the end of this section show the maximum TDCFE rates. Effective rates for commercial vary between 0.5 and the values shown in the table. Effective rates for non-commercial vary between 1.5 and the values shown in the table depending on the department.

Internal consumption tax on coal

(*Taxe intérieure de consommation sur le charbon – TICC*)

Steam coal used for electricity generation is exempt from the TICC. The excise tax on this product corresponds to a tax payed by the users (which are the electricity producers) in the overseas departments.

Industry users that have energy intensive activities and are eligible for greenhouse gas quotas benefit from a reduced rate of TICC.

From	To	Fuel oil (EUR/tonne)	Light fuel oil ³ EUR/1000l	Automotive diesel (EUR/l)	Gasoline 98 RON ¹ and 95 RON ¹ (EUR/l)	Gasoline 95 RON E10 ² (EUR/l)	Automotive LPG (EUR/100kg net)
01.01.00	31.12.02	HTS 23,2/BTS 16,8	NA	0.389	0.5863	NA	10.02
01.01.03	31.12.03	18.50	NA	0.3919	0.5892	NA	10.76
01.01.04	31.12.05	18.50	NA	0.4169	0.5892	NA	10.76
01.01.06	31.12.07	18.50	NA	0.4284	0.6069	NA	10.76
01.01.08	28.12.08	18.50	56.60	0.4284	0.6069	NA	10.76
29.12.08	31.12.10	18.50	56.60	0.4284	0.6069	0.6069	10.76
01.01.11	31.03.14	18.50	56.60	0.4284	0.6069	0.6069	10.76
01.04.14	31.12.14	21.90	56.60	0.4284	0.6069	0.6069	10.76
01.01.15	31.12.15	45.30	76.40	0.4682	0.6241	0.6241	13.00
01.01.16	31.12.16	68.80	96.30	0.4981	0.6412	0.6212	13.97
01.01.17	31.01.17	95.40	118.90	0.5307	0.6507	0.6307	16.50
01.01.18	now	139.50	156.20	0.5940	0.6829	0.6629	20.71

Source: article 265 of the customs code. ¹ containing up to 5% of ethanol. ² containing up to 10% of ethanol. ³ Customs code index 21. HTS: High Sulfur Content. BTS : low Sulfur content

Internal consumption tax on natural gas

(Taxe Intérieure sur Consommation de Gaz Naturel - TICGN)

From	To	Natural gas industry (EUR/MWh)	Natural gas households (EUR/MWh)
11.01.95	10.01.96	1.12	0
11.01.96	10.01.97	1.14	0
11.01.97	10.01.98	1.16	0
11.01.98	10.01.99	1.17	0
11.01.99	10.01.00	1.18	0
11.01.00	10.01.01	1.19	0
11.01.01	31.03.14	1.19	0
01.04.14	31.12.14	1.27	1.27
01.01.15	31.12.15	2.64	2.64
01.01.16	31.12.16	4.34	4.34
01.01.17	31.12.17	5.88	5.88
01.01.18	now	8.45	8.45

Internal consumption tax on electricity

(Taxe intérieure sur la consommation finale d'électricité - TICFE)

From	To	Electricity industry (EUR/MWh)	Electricity households (EUR/MWh)
01.01.11	30.07.11	8	7.5
31.07.11	30.06.12	9.5	9.0
01.07.12	31.12.12	11	10.5
01.01.13	31.12.13	14	13.5
01.01.14	31.12.14	17	16.5
01.01.15	31.12.15	20	19.5
01.01.16	now	22.5	22.5

Local consumption taxes on electricity

(Taxes communales et départementales sur la consommation finale d'électricité – TCCFE & TDCFE)

From	To	TCCFE households (EUR/MWh)	TCCFE industry (EUR/MWh)	TDCFE households (EUR/MWh)	TDCFE industry (EUR/MWh)
01.01.11	31.12.11	6	2	3	1
01.01.12	31.12.12	6.09	2.03	3.045	1.015
01.01.13	31.12.13	6.21	2.07	3.105	1.035
01.01.14	31.12.14	6.33	2.11	3.165	1.055
01.01.15	31.12.18	6.375	2.125	3.1875	1.0625
01.01.19	31.12.19	6.46	2.125	3.23	1.0625
01.01.20	now	6.545	2.21	3.2725	1.105

Internal consumption tax on coal

(Taxe intérieure de consommation sur le charbon – TICC)

From	To	TICC industry (EUR/MWh)	TICC households (EUR/MWh)
01.01.11	31.12.11	1.19	
01.01.12	31.12.12	1.19	
01.01.13	31.12.13	1.19	
01.01.14	31.03.14	1.19	
01.04.14	31.12.14	2.29	2.29
01.01.15	31.12.15	4.75	4.75
01.01.16	31.12.16	7.21	7.21
01.01.17	31.12.17	9.99	9.99
01.01.18	now	14.62	14.62

Product specifications

Oil products

	High sulphur fuel oil	Low sulphur fuel oil	Light fuel oil	Automotive diesel	Premium unleaded (97 RON) gasoline	Premium unleaded (95 RON) gasoline	LPG
Quality	Fuel oil No. 2, ordinaire HTS	Fuel oil No. 2, ordinaire BTS	Fuel oil domestique	Gazole	Supercarburant sans plomb 98	Supercarburant sans plomb 95	GPL carburant
Density (kg/l)			0.845	0.835	0.74	0.74	
Sulphur content (%)	<2	<1					
Lead content (g/l)					0.4	0.4	
NCV (kcal/kg)	9 750	9 750	10 100				
Delivery size	< 24 000 tonne/year	< 24 000 tonne/year	2 – 5 kl Scale C1				

Natural gas

	Natural gas
GCV (kcal/m ³)	8 400

GERMANY**Table 1 - Average prices and taxes in euros**

Low sulphur fuel oil for industry (per tonne)					Heavy fuel oil for electricity generation (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	289.53	25.00	-	25.00	314.53	277.48	25.00	-	25.00	302.48
2010	368.50	25.00	-	25.00	393.50	354.90	25.00	-	25.00	379.90
2011	487.68	25.00	-	25.00	512.68
2012	542.33	25.00	-	25.00	567.33	c	c	c	c	c
2013	481.20	25.00	-	25.00	506.20	c	c	c	c	c
2014	426.63	25.00	-	25.00	451.63	c	c	c	c	c
2015	253.40	25.00	-	25.00	278.40	c	c	c	c	c
2016	206.43	25.00	-	25.00	231.43	c	c	c	c	c
2017	c	c	c	c	c
2018	c	c	c	c	c
2019	c	c	c	c	c
3Q2019	c	c	c	c	c
4Q2019	c	c	c	c	c
1Q2020	c	c	c	c	c
2Q2020	c	c	c	c	c
3Q2020	c	c	c	c	c
Light fuel oil for industry (per 1000 litres)					Light fuel oil for households (per 1000 litres)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	378.97	61.35	-	61.35	440.32	378.97	61.35	83.66	145.01	523.98
2010	480.23	61.35	-	61.35	541.58	480.23	61.35	102.90	164.25	644.48
2011	603.78	61.35	-	61.35	665.13	624.52	61.35	130.32	191.67	816.19
2012	668.04	61.35	-	61.35	729.39	685.21	61.35	141.85	203.20	888.41
2013	618.26	61.35	-	61.35	679.61	640.13	61.35	133.28	194.63	834.76
2014	557.46	61.35	-	61.35	618.81	585.05	61.35	122.82	184.17	769.22
2015	400.57	61.35	-	61.35	461.92	436.11	61.35	94.52	155.87	591.98
2016	322.64	61.35	-	61.35	383.99	352.14	61.35	78.56	139.91	492.06
2017	389.14	61.35	-	61.35	450.49	417.86	61.35	91.05	152.40	570.26
2018	491.39	61.35	-	61.35	552.74	521.82	61.35	110.80	172.15	693.97
2019	475.51	61.35	-	61.35	536.86	506.91	61.35	107.97	169.32	676.22
3Q2019	473.55	61.35	-	61.35	534.90	502.36	61.35	107.10	168.45	670.81
4Q2019	469.22	61.35	-	61.35	530.57	500.87	61.35	106.82	168.17	669.04
1Q2020	397.02	61.35	-	61.35	458.37	450.42	61.35	97.24	158.59	609.00
2Q2020	255.92	61.35	-	61.35	317.27	360.27	61.35	80.11	141.46	501.73
3Q2020	282.65	61.35	-	61.35	344.00	336.73	61.35	63.69	125.04	461.77
Automotive diesel for commercial use (per litre)					Automotive diesel for non-commercial use (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.446	0.470	-	0.470	0.916	0.446	0.470	0.174	0.644	1.090
2010	0.560	0.470	-	0.470	1.031	0.560	0.470	0.196	0.666	1.226
2011	0.727	0.470	-	0.470	1.198	0.727	0.470	0.228	0.698	1.425
2012	0.782	0.470	-	0.470	1.252	0.782	0.470	0.238	0.708	1.490
2013	0.731	0.470	-	0.470	1.201	0.731	0.470	0.228	0.699	1.429
2014	0.675	0.470	-	0.470	1.145	0.675	0.470	0.218	0.688	1.363
2015	0.528	0.470	-	0.470	0.999	0.528	0.470	0.190	0.660	1.189
2016	0.454	0.470	-	0.470	0.924	0.454	0.470	0.176	0.646	1.099
2017	0.521	0.470	-	0.470	0.992	0.521	0.470	0.188	0.659	1.180
2018	0.635	0.470	-	0.470	1.106	0.635	0.470	0.210	0.680	1.316
2019	0.617	0.470	-	0.470	1.087	0.617	0.470	0.207	0.677	1.294
3Q2019	0.608	0.470	-	0.470	1.079	0.608	0.470	0.205	0.675	1.284
4Q2019	0.618	0.470	-	0.470	1.088	0.618	0.470	0.207	0.677	1.295
1Q2020	0.590	0.470	-	0.470	1.060	0.590	0.470	0.201	0.672	1.262
2Q2020	0.451	0.470	-	0.470	0.921	0.451	0.470	0.175	0.645	1.096
3Q2020	0.459	0.470	-	0.470	0.929	0.483	0.470	0.153	0.623	1.106

GERMANY**Table 2 - Average prices and taxes in euros**

Premium unleaded (98 RON) gasoline (per litre)					Premium unleaded (95 RON) gasoline (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.491	0.655	0.218	0.873	1.364	0.433	0.655	0.207	0.862	1.295
2010	0.589	0.655	0.236	0.891	1.480	0.536	0.655	0.226	0.881	1.417
2011	0.694	0.655	0.256	0.911	1.605	0.656	0.655	0.249	0.904	1.560
2012	0.757	0.655	0.268	0.923	1.680	0.733	0.655	0.264	0.918	1.651
2013	0.717	0.655	0.261	0.915	1.632	0.688	0.655	0.255	0.910	1.598
2014	0.660	0.655	0.250	0.904	1.565	0.636	0.655	0.245	0.900	1.536
2015	0.549	0.655	0.229	0.883	1.432	0.523	0.655	0.224	0.878	1.401
2016	0.486	0.655	0.217	0.871	1.357	0.440	0.655	0.208	0.862	1.303
2017	0.558	0.655	0.230	0.885	1.443	0.499	0.655	0.219	0.874	1.372
2018	0.637	0.655	0.245	0.900	1.537	0.576	0.655	0.234	0.888	1.464
2019	0.619	0.655	0.242	0.896	1.516	0.554	0.655	0.230	0.884	1.438
3Q2019	0.637	0.655	0.245	0.900	1.536	0.572	0.655	0.233	0.888	1.460
4Q2019	0.604	0.655	0.239	0.894	1.498	0.538	0.655	0.227	0.881	1.420
1Q2020	0.627	0.655	0.243	0.898	1.524	0.520	0.655	0.223	0.878	1.398
2Q2020	0.496	0.655	0.219	0.873	1.369	0.381	0.655	0.197	0.851	1.232
3Q2020	0.582	0.655	0.198	0.852	1.434	0.465	0.655	0.179	0.834	1.298
Automotive LPG for non-commercial use (per litre)					Natural gas for industry (per megawatt hour GCV)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.401	0.092	0.094	0.186	0.587	30.35	4.03	-	4.03	34.38
2010	0.433	0.092	0.100	0.192	0.624	29.16	4.88	-	4.88	34.04
2011	0.527	0.092	0.118	0.210	0.736	31.37	4.77	-	4.77	36.14
2012	0.563	0.092	0.125	0.217	0.780	30.69	4.03	-	4.03	34.72
2013	0.528	0.092	0.118	0.210	0.738	33.55	4.03	-	4.03	37.58
2014	0.490	0.092	0.111	0.203	0.692	29.59	4.03	-	4.03	33.62
2015	0.388	0.092	0.091	0.183	0.571	26.73	4.03	-	4.03	30.76
2016	0.330	0.092	0.080	0.172	0.503	22.46	4.01	-	4.01	26.48
2017	0.371	0.092	0.088	0.180	0.551	20.66	4.03	-	4.03	24.70
2018	0.412	0.092	0.096	0.188	0.599	22.08	4.03	-	4.03	26.11
2019	0.417	0.092	0.097	0.189	0.606	21.56	4.77	-	4.77	26.34
3Q2019	0.418	0.092	0.097	0.189	0.607	20.40	5.52	-	5.52	25.92
4Q2019	0.408	0.092	0.095	0.187	0.595	20.40	5.52	-	5.52	25.92
1Q2020	0.434	0.092	0.100	0.192	0.626
2Q2020	0.376	0.092	0.089	0.181	0.557
3Q2020
Natural gas for electricity generation (per megawatt hour GCV)					Natural gas for households (per megawatt hour GCV)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	53.19	5.50	11.15	16.65	69.84
2010	47.96	5.50	10.16	15.66	63.62
2011	50.44	5.50	10.63	16.13	66.57
2012	53.55	5.50	11.22	16.72	70.27
2013	54.39	5.50	11.38	16.88	71.27
2014	54.46	5.50	11.39	16.89	71.36
2015	53.86	5.50	11.28	16.78	70.63
2016	52.18	5.50	10.96	16.46	68.64
2017	50.28	5.50	10.60	16.10	66.38
2018	49.38	5.50	10.43	15.93	65.31
2019	51.58	5.50	10.85	16.35	67.93
3Q2019	51.72	5.50	10.87	16.37	68.10
4Q2019	52.10	5.50	10.94	16.44	68.55
1Q2020	52.38	5.50	11.00	16.50	68.88
2Q2020	52.42	5.50	11.00	16.50	68.92
3Q2020	52.65	5.50	9.30	14.80	67.46

GERMANY**Table 3 - Average prices and taxes in euros**

Steam coal for industry (per tonne)						Steam coal for electricity generation (per tonne)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	79.25	-	-	-	79.25
2010	88.94	-	-	-	88.94
2011	110.14	-	-	-	110.14
2012	98.38	-	-	-	98.38
2013	82.01	-	-	-	82.01
2014	75.82	-	-	-	75.82
2015	74.63	-	-	-	74.63
2016	71.86	-	-	-	71.86
2017	106.61	-	-	-	106.61
2018	111.87	-	-	-	111.87
2019	100.28	-	-	-	100.28
3Q2019	103.00	-	-	-	103.00
4Q2019	81.15	-	-	-	81.15
1Q2020	77.94	-	-	-	77.94
2Q2020	82.59	-	-	-	82.59
3Q2020	70.68	-	-	-	70.68
Steam coal for households (per tonne)						Coking coal for industry (per tonne)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	x	x	x	x	x	c	-	-	-	c
2010	x	x	x	x	x	c	-	-	-	c
2011	x	x	x	x	x	c	-	-	-	c
2012	x	x	x	x	x	c	-	-	-	c
2013	x	x	x	x	x	c	-	-	-	c
2014	x	x	x	x	x	c	-	-	-	c
2015	x	x	x	x	x	c	-	-	-	c
2016	x	x	x	x	x	c	-	-	-	c
2017	x	x	x	x	x	c	-	-	-	c
2018	x	x	x	x	x	c	-	-	-	c
2019	x	x	x	x	x	c	-	-	-	c
3Q2019	x	x	x	x	x	c	-	-	-	c
4Q2019	x	x	x	x	x	c	-	-	-	c
1Q2020	x	x	x	x	x	c	-	-	-	c
2Q2020	x	x	x	x	x	c	-	-	-	c
3Q2020	x	x	x	x	x	c	-	-	-	c
Electricity for industry (per megawatt hour)						Electricity for households (per megawatt hour)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	83.8	16.7	-	16.7	100.5	138.0	54.3	36.5	90.8	228.8
2010	79.5	23.1	-	23.1	102.6	137.6	64.7	38.4	103.1	240.7
2011	79.8	33.3	-	33.3	113.0	140.1	72.5	40.4	112.9	253.0
2012	77.8	37.9	-	37.9	115.7	143.7	77.9	42.1	119.9	263.6
2013	77.5	50.1	-	50.1	127.6	149.1	96.3	46.6	142.9	292.0
2014	70.0	62.1	-	62.1	132.1	143.8	106.5	47.6	154.0	297.8
2015	69.6	61.3	-	61.3	130.8	142.9	104.9	47.1	152.0	294.9
2016	67.4	60.0	-	60.0	127.4	138.5	111.4	47.5	158.8	297.3
2017	63.7	63.3	-	63.3	126.9	138.6	117.5	48.7	166.2	304.8
2018	63.6	59.7	-	59.7	123.2	137.9	113.7	47.8	161.5	299.4
2019	64.0	66.5	-	66.5	130.5	139.7	111.0	47.7	158.6	298.3
3Q2019	56.2	73.7	-	73.7	129.9	132.1	109.7	46.0	155.7	287.8
4Q2019	56.2	73.7	-	73.7	129.9	132.1	109.7	46.0	155.7	287.8
1Q2020
2Q2020
3Q2020

GERMANY**Table 4 - Indices of energy prices**

	Oil products		Electricity		Natural gas		Coal	
	Wholesale 1995 = 100	Retail 2015 = 100						
1999	118.6	59.3	81.6	52.3	101.8	49.0	..	71.7
2000	179.9	72.6	68.9	49.8	142.9	57.0	..	73.2
2001	173.7	72.3	71.8	51.8	182.1	69.1	..	73.6
2002	164.2	73.0	73.1	54.1	158.8	65.2	..	75.0
2003	..	76.2	..	56.8	..	68.5	..	75.9
2004	..	80.4	..	59.1	..	69.3	..	76.7
2005	..	89.7	..	61.6	..	76.5	..	77.4
2006	..	95.8	..	64.0	..	90.0	..	79.0
2007	..	98.6	..	68.4	..	92.6	..	80.4
2008	..	110.5	..	73.1	..	100.8	..	82.5
2009	..	92.6	..	77.6	..	99.3	..	85.8
2010	..	104.9	..	80.1	..	90.8	..	88.9
2011	..	120.1	..	86.0	..	95.0	..	94.6
2012	..	127.9	..	88.4	..	100.2	..	96.9
2013	..	122.5	..	98.9	..	101.4	..	101.2
2014	..	116.2	..	100.8	..	101.3	..	99.9
2015	..	100.0	..	100.0	..	100.0	..	100.0
2016	..	89.8	..	100.5	..	97.7	..	98.2
2017	..	96.1	..	102.2	..	95.0	..	99.9
2018	..	105.6	..	103.4	..	93.6	..	100.3
2019	..	104.9	..	107.0	..	95.9	..	101.6
3Q2012	..	130.0	..	88.8	..	100.4	..	97.1
4Q2012	..	127.1	..	89.0	..	100.9	..	98.6
1Q2013	..	124.1	..	98.3	..	101.1	..	99.2
2Q2013	..	122.0	..	99.1	..	101.2	..	101.4
3Q2013	..	124.2	..	99.2	..	101.4	..	101.9
4Q2013	..	119.9	..	99.1	..	101.7	..	102.3
1Q2014	..	117.4	..	100.4	..	101.6	..	101.3
2Q2014	..	119.2	..	100.9	..	101.4	..	98.8
3Q2014	..	118.7	..	100.9	..	101.3	..	99.5
4Q2014	..	109.5	..	100.9	..	101.0	..	99.9
1Q2015	..	100.0	..	100.4	..	100.4	..	100.8
2Q2015	..	105.8	..	100.0	..	100.2	..	100.8
3Q2015	..	100.7	..	99.9	..	99.8	..	99.4
4Q2015	..	93.4	..	99.8	..	99.7	..	99.0
1Q2016	..	85.1	..	100.2	..	98.5	..	98.6
2Q2016	..	90.3	..	100.7	..	98.1	..	97.7
3Q2016	..	90.3	..	100.6	..	97.4	..	97.4
4Q2016	..	93.6	..	100.6	..	96.7	..	98.9
1Q2017	..	97.3	..	101.7	..	95.8	..	100.4
2Q2017	..	95.5	..	102.0	..	95.1	..	100.4
3Q2017	..	94.3	..	102.5	..	94.6	..	99.0
4Q2017	..	97.5	..	102.6	..	94.6	..	99.7
1Q2018	..	97.8	..	103.2	..	94.0	..	99.8
2Q2018	..	103.6	..	103.5	..	93.7	..	99.0
3Q2018	..	108.2	..	103.5	..	93.4	..	99.9
4Q2018	..	112.7	..	103.6	..	93.5	..	102.5
1Q2019	..	101.9	..	106.1	..	94.9	..	103.9
2Q2019	..	108.3	..	106.9	..	95.6	..	101.4
3Q2019	..	105.6	..	107.4	..	96.0	..	99.8
4Q2019	..	103.9	..	107.6	..	97.0	..	101.4
1Q2020	..	101.3	..	110.6	..	97.7	..	101.8
2Q2020	..	89.5	..	111.4	..	97.6	..	99.1
3Q2020

GERMANY

Sources

Data for all energy products are provided on a quarterly basis by the German **Federal Ministry for Economic Affairs and Energy (BMWi)**.

Retail energy price indices are derived from data extracted from the **Eurostat** website.

Data collection methodology

From 1Q1993 onwards, prices refer to the monthly averages of the quarter. From 1Q1985 to 4Q1992, prices refer to the second month of the quarter. Prior to 1Q1985, prices refer to the first month of each quarter.

Oil products

Prices and taxes data are based on surveys carried out by the Federal Statistical Office (Destatis) and the German LPG Association (DVFG).

Ex-tax prices include all non-tax price components, including the mandatory contribution to the emergency storage fund (EBV).

Prices for low sulphur fuel oil refer to annual consumption of 201 - 2 000 tonnes and are averages of all German refiners (approximately 60 to 80% of total consumption). Prices include the cost of transport within a 30 km radius of refineries and storage facilities. Approximately 80% of all volumes sold are consumed within this area.

Prices for heavy fuel oil for electricity generation include average transport costs, which amount to 7.67 EUR/tonne for a 650-tonne barge. Since 3Q2011 prices are confidential due to there being only one market contractor in the country for this product.

Prices for light fuel oil refer to the average of all German refiners, which amounts to approximately 60 to 80% of total consumption.

Prices for automotive diesel refer to the average pump price for diesel marketed by all German refiners.

Price for unleaded gasoline (98 and 95 RON) refer to the average pump price for premium gasoline marketed by all German refiners and is the weighted average of full-service and self-service pump prices.

Natural gas

Prices and taxes data for households are based on surveys carried out by the Federal Statistical Office (Destatis). Prices and taxes data for industry are based on surveys carried out by the Federal Association of Energy and Water Management (BDEW) until second quarter of 2019. From the third quarter of 2019 onwards, prices and taxes are reported by the Federal Statistical Office (Destatis) based on its own surveys. Therefore, no conclusions can be drawn on the development compared to the second quarter of 2019 and before.

Prices refer to the Destatis consumption band 1 600 m³ for households and Eurostat consumption band I4 for industry (annual consumption 100 000 – 1 000 000 GJ).

Until 4Q2007, prices shown are annual average revenues per MWh received by gas utilities from industry, public electric power stations and households.

Steam and coking coal

About 40% of total coal input to German power stations is steam coal; the remainder being lignite. Most of the lignite comes from mines owned by utilities and does not have a market price.

From 1996 onwards, prices for steam coal refer to imported steam coal. Prior to 1996, prices refer to the weighted average, calculated by the IEA, using domestic and import prices for steam coal.

Prices for coking coal are ex-mine prices and reflect special contracts with the steel industry. The coking coal price for other industrial sectors is estimated, by the reporting source, to be approximately 20% greater.

Electricity

Prices and taxes data are based on surveys carried out by the Federal Association of Energy and Water Management (BDEW).

Prices refer to the Eurostat consumption band DC for households (annual consumption 2 500 – 5 000 kWh) and ID for industry (annual consumption 2 000 – 20 000 MWh).

Until 4Q2007, prices shown are annual average revenues per MWh received by gas utilities from industry, public power stations and households.

Energy price indices

Annual and quarterly indices are 12-month and 3-month averages, respectively, of the Harmonised Indices of Consumer Prices (HICP) published by Eurostat.

Retail indices for oil products refer to a consumption-weighted average of the “*liquid fuels*” (cp0453) and “*fuels and lubricants for personal transport equipment*” (cp0722) series. Relative weights used for the calculations are taken from the associated item weights series (*prc_hicp_inw*), published by Eurostat.

Retail indices for electricity refer to the “*electricity*” (cp0451) series.

Retail indices for natural gas refer to the “*gas*” (cp0452) series.

Retail indices for coal refer to the “*solid fuel*” (cp0454) series.

Energy taxation

VAT

VAT (*MwSt*) is refunded for purchases for commercial purposes. Therefore, it is not included in prices shown for the industrial and electricity generation sectors, as well as for automotive fuels for commercial use.

From	To	%
01.01.78	30.06.79	12
01.07.79	30.06.83	13
01.07.83	31.12.92	14
01.01.93	31.03.98	15
01.04.98	31.12.06	16
01.01.07	30.06.20	19
01.07.20	now	16

Excise tax

Energy taxes in Germany are levied in accordance with the 2003 EU Energy Taxation Directive.

The excise tax columns in Tables 1, 2 and 3 is the sum of all non-VAT tax components applicable to each product.

Tax applicability table (not exhaustive)

	HSFO	LFO	Diesel	Gasoline	LPG	Natural gas	Steam coal	Cooking coal	Electricity
Excise duties	x	x	x	x	x	x	x	x	
Electricity taxes									x

Excise duties (*Verbrauchsteuern*)

Excise taxation on commercial energy products is legally defined, in its current form, in the Energy Control Law, in force since 1 August 2006. This law replaced the former Mineral Oil Tax Law, which had been in place since 1 April 1939.

The Energy Control Law regulates the taxation of all fossil and non-fossil commercial energy products sold in the country, with the exception of the island of Heligoland and the exclave of Büsingen.

Refined oil products, natural gas, coal and renewable energy products, used for heating or as a propellant, are subject to excise taxes pursuant to the Energy Control Law. Tax rates are legally expressed in EUR per 1000 kg for LPG, per MWh GCV for natural gas and per GJ for coal. In the tax rate tables at the end of this section, rates were converted to other units using the densities and calorific capacities presented in the Product specification section of this document.

Coals used for electricity generation and as coking coal for metallurgic processes are exempt from excise duties (Chapter 3, Art. 37). Until 31 December 2010, coal used for domestic heating was also exempt.

Natural gas excise duty rates differ depending on whether the gas is used for domestic heating, industrial processes or as a propellant.

Electricity taxes (*Steuern auf Strom*)

Electricity consumption in Germany is subject to a series of taxes and levies. The main components making up the total taxes on electricity applicable to households and industry are summarized below.

Pursuant to the German Renewable Energy Law (EEG), an EEG-surcharge (*EEG-Zuschlag*) is levied on electricity sold to all consumer categories, with the exception of energy-intensive industries, as a mechanism to finance the feed-in tariffs that support the country’s renewable energy producers. Introduced in 2010, the annual rate for this levy is derived from the difference between the wholesale electricity market price and the higher feed-in tariff for renewable energy.

Similarly, a CHP levy (*KWK-Zuschlag*) is levied on all electricity sales at a rate derived from the difference between the wholesale electricity market price and the higher feed-in tariff for CHP plants. This levy is legally defined, in its current form, in the CHP Law of 2016. Only eligible combined heat and power plants feeding their electricity to the public grid are entitled to the financing derived from this levy.

Additionally, a concession fee is levied on electricity sales to finance the occupation of land and public or private property by the infrastructure needed to generate, transport and distribute electricity.

In addition to these fees and levies, the Electricity tax (*Stromsteuer*) has been in place in Germany since 1 April 1999 and is legally defined in the Electricity Tax Law of 24 March 1999. Depending on the sector, German industry benefits from several rate reductions and exemptions.

Due to the complexity of the German electricity taxation system, the tax rate tables at the end of this chapter shows rates for the Electricity tax component only, as applicable to general consumption.

Excise duties (*Verbrauchsteuern*)

From	To	Heavy fuel oil (EUR/tonne)	Light fuel oil (EUR/1000l)	Automotive diesel (EUR/l)	Gasoline (EUR/l)	Automotive LPG (EUR/l)	Natural gas industry (EUR/MWh)	Natural gas households (EUR/MWh)	Coal (EUR/tonne)
01.04.99	31.12.99	15.34	61.35	0.3477	0.5320	0.092	n.a.	n.a.	9.55
01.01.00	31.12.00	15.34	61.35	0.3784	0.5620	0.092	n.a.	n.a.	9.55
01.01.01	31.12.01	17.89	61.35	0.409	0.5930	0.092	n.a.	n.a.	9.55
01.01.02	31.12.02	17.89	61.35	0.4397	0.6238	0.092	n.a.	n.a.	9.55
01.01.03	31.12.03	25	61.35	0.4704	0.6545	0.092	n.a.	3.476	9.55
01.01.04	now	25	61.35	0.4704	0.6545	0.092	n.a.	5.500	9.55

Electricity tax (*Stromsteuer*)

From	To	Electricity (EUR/MWh)
01.04.99	31.12.99	10.23
01.01.00	31.12.00	12.78
01.01.01	31.12.01	15.34
01.01.02	31.12.02	17.90
01.01.03	now	20.45

Product specifications**Oil products**

	Low sulphur fuel oil	Light fuel oil	Automotive diesel	Premium unleaded (98 RON) gasoline	Premium unleaded (95 RON) gasoline	Regular unleaded gasoline	Automotive LPG
Quality	Heizöl schwer	Heizöl extraleicht		Super Plus 98	Euro Super 95		
Density (kg/l)	0.99	0.87	0.82 - 0.845	0.72 - 0.77	0.72 - 0.77	0.72 - 0.77	0.51
Sulphur content (%)	<1						
Lead content (g/l)				0.005	0.005	0.15	
NCV (kcal/kg)	9 800	10 200					
Delivery size		4 – 5 kl					

Natural gas and coal

	Natural gas	Steam coal industry	Steam coal electricity generation	Steam coal households	Coking coal
Quality		Grosskohle (from Ruhrkohle AG)	Fett Feinkohle (from Ruhrkohle AG)	Zechenbrechkoks 3	Kokskohle (from Ruhrkohle AG)
Volatile matter (%)		20 - 30	20 - 30		26.5
Ash content (%)		3 - 5	6 - 8		<8
Moisture content (%)		3 - 6	8 - 10		<10
Sulphur content (%)		1	0.95		0.95
NCV (kcal/kg)			6 914 – 7 000	6 210	
GCV (kcal/kg)*	8 400	7 000			6 950
Delivery size (kg)				3 000	

*kcal/m³ for natural gas

GREECE**Table 1 - Average prices and taxes in euros**

Low sulphur fuel oil for industry (per tonne)					Heavy fuel oil for electricity generation (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	332.11	19.00	-	19.00	351.11
2010	427.86	19.00	-	19.00	446.86
2011	546.30	28.50	-	28.50	574.80
2012	616.59	38.00	-	38.00	654.59
2013	553.70	38.00	-	38.00	591.70
2014	515.62	38.00	-	38.00	553.62
2015	334.21	38.00	-	38.00	372.21
2016	289.13	38.00	-	38.00	327.13
2017	371.37	38.00	-	38.00	409.37
2018	439.51	38.00	-	38.00	477.51
2019	454.80	38.00	-	38.00	492.80
3Q2019	449.13	38.00	-	38.00	487.13
4Q2019	465.23	38.00	-	38.00	503.23
1Q2020	443.52	38.00	-	38.00	481.52
2Q2020	264.88	38.00	-	38.00	302.88
3Q2020
Light fuel oil for industry (per 1000 litres)					Light fuel oil for households (per 1000 litres)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	431.25	161.50	-	161.50	592.75	431.25	161.50	112.62	274.12	705.37
2010	511.26	166.56	-	166.56	677.82	511.26	166.56	147.53	314.09	825.35
2011	672.08	216.50	-	216.50	888.58	672.08	40.50	163.89	204.39	876.47
2012	740.63	362.49	-	362.49	1 103.12	740.63	186.49	213.24	399.73	1 140.35
2013	701.47	330.00	-	330.00	1 031.47	701.47	330.00	237.24	567.24	1 268.71
2014	661.14	305.00	-	305.00	966.14	661.14	305.00	222.21	527.21	1 188.35
2015	498.12	230.00	-	230.00	728.12	498.12	230.00	167.47	397.47	895.59
2016	394.78	246.67	-	246.67	641.45	394.78	246.67	149.67	396.34	791.12
2017	475.40	280.00	-	280.00	755.40	475.40	280.00	181.30	461.30	936.70
2018	520.98	280.00	-	280.00	800.98	520.98	280.00	192.24	472.24	993.22
2019	515.25	280.00	-	280.00	795.25	515.25	280.00	190.86	470.86	986.11
3Q2019	x	x	x	x	x	x	x	x	x	x
4Q2019	424.41	280.00	-	280.00	704.41	424.41	280.00	169.06	449.06	873.47
1Q2020	529.17	280.00	-	280.00	809.17	529.17	280.00	194.20	474.20	1 003.37
2Q2020	337.51	280.00	-	280.00	617.51	337.51	280.00	148.20	428.20	765.71
3Q2020
Automotive diesel for commercial use (per litre)					Automotive diesel for non-commercial use (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.505	0.302	-	0.302	0.807	0.505	0.302	0.153	0.455	0.961
2010	0.624	0.390	-	0.390	1.014	0.624	0.390	0.219	0.609	1.233
2011	0.773	0.412	-	0.412	1.185	0.773	0.412	0.272	0.684	1.457
2012	0.836	0.392	-	0.392	1.227	0.836	0.392	0.282	0.674	1.510
2013	0.789	0.330	-	0.330	1.119	0.789	0.330	0.257	0.587	1.376
2014	0.749	0.330	-	0.330	1.079	0.749	0.330	0.248	0.578	1.327
2015	0.612	0.330	-	0.330	0.942	0.612	0.330	0.217	0.547	1.159
2016	0.531	0.330	-	0.330	0.861	0.531	0.330	0.202	0.532	1.062
2017	0.602	0.410	-	0.410	1.012	0.602	0.410	0.243	0.653	1.254
2018	0.696	0.410	-	0.410	1.106	0.696	0.410	0.265	0.675	1.371
2019	0.698	0.410	-	0.410	1.108	0.698	0.410	0.266	0.676	1.373
3Q2019	0.702	0.410	-	0.410	1.112	0.702	0.410	0.267	0.677	1.379
4Q2019	0.707	0.410	-	0.410	1.117	0.707	0.410	0.268	0.678	1.385
1Q2020	0.668	0.410	-	0.410	1.078	0.668	0.410	0.259	0.669	1.336
2Q2020	0.496	0.410	-	0.410	0.906	0.496	0.410	0.217	0.627	1.123
3Q2020

GREECE

Table 2 - Average prices and taxes in euros

Premium unleaded (95 RON) gasoline (per litre)					Regular unleaded gasoline (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.446	0.397	0.160	0.558	1.004	x	x	x	x	x
2010	0.547	0.621	0.252	0.873	1.419	x	x	x	x	x
2011	0.673	0.670	0.309	0.979	1.652	x	x	x	x	x
2012	0.737	0.670	0.324	0.994	1.731	x	x	x	x	x
2013	0.693	0.670	0.313	0.983	1.676	x	x	x	x	x
2014	0.656	0.670	0.305	0.975	1.631	x	x	x	x	x
2015	0.518	0.670	0.273	0.943	1.461	x	x	x	x	x
2016	0.450	0.670	0.262	0.932	1.383	x	x	x	x	x
2017	0.509	0.700	0.290	0.990	1.500	x	x	x	x	x
2018	0.574	0.700	0.306	1.006	1.580	x	x	x	x	x
2019	0.573	0.700	0.305	1.005	1.578	x	x	x	x	x
3Q2019	0.597	0.700	0.311	1.011	1.608	x	x	x	x	x
4Q2019	0.583	0.700	0.308	1.008	1.591	x	x	x	x	x
1Q2020	0.568	0.700	0.304	1.004	1.572	x	x	x	x	x
2Q2020	0.392	0.700	0.262	0.962	1.354	x	x	x	x	x
3Q2020	x	x	x	x	x
Premium leaded/lead replacement gasoline (per litre)					Natural gas for industry (per megawatt hour GCV)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.503	0.397	0.171	0.568	1.072	27.30	-	-	-	27.30
2010	0.611	0.621	0.266	0.887	1.498	33.60	-	-	-	33.60
2011	0.738	0.670	0.324	0.994	1.732	38.45	1.80	-	1.80	40.25
2012	0.820	0.670	0.343	1.013	1.833	46.54	5.40	-	5.40	51.94
2013	0.807	0.670	0.340	1.010	1.816	40.54	5.40	-	5.40	45.94
2014	0.776	0.670	0.333	1.003	1.779	37.20	5.40	-	5.40	42.60
2015	0.657	0.670	0.305	0.975	1.632	27.88	5.40	-	5.40	33.28
2016	0.581	0.670	0.293	0.963	1.544	20.46	5.40	-	5.40	25.86
2017	0.620	0.700	0.317	1.017	1.637	21.24	2.15	-	2.15	23.39
2018	0.659	0.700	0.326	1.026	1.686	27.96	2.63	-	2.63	30.58
2019	0.700	0.700	0.336	1.036	1.736	30.21	3.19	-	3.19	33.40
3Q2019	0.703	0.700	0.337	1.037	1.739	30.27	3.28	-	3.28	33.55
4Q2019	0.734	0.700	0.344	1.044	1.778	30.27	3.28	-	3.28	33.55
1Q2020	0.710	0.700	0.338	1.038	1.748
2Q2020	0.608	0.700	0.314	1.014	1.622
3Q2020
Natural gas for electricity generation (per megawatt hour GCV)					Natural gas for households (per megawatt hour GCV)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	c	c	c	c	c	59.15	-	5.32	5.32	64.48
2010	c	c	c	c	c	63.78	-	6.63	6.63	70.41
2011	c	c	c	c	c	66.93	1.80	8.93	10.73	77.66
2012	c	c	c	c	c	89.65	5.40	12.36	17.76	107.40
2013	c	c	c	c	c	95.60	5.40	13.13	18.53	114.13
2014	c	c	c	c	c	87.84	5.40	12.12	17.52	105.36
2015	c	c	c	c	c	84.49	5.40	11.69	17.09	101.57
2016	c	c	c	c	c	49.63	5.40	7.15	12.55	62.18
2017	c	c	c	c	c	54.49	1.10	7.23	8.33	62.81
2018	c	c	c	c	c	51.92	1.10	6.89	7.99	59.91
2019	c	c	c	c	c	52.50	1.10	4.76	5.86	58.35
3Q2019	c	c	c	c	c	56.37	1.10	3.45	4.55	60.92
4Q2019	c	c	c	c	c	56.37	1.10	3.45	4.55	60.92
1Q2020	c	c	c	c	c
2Q2020	c	c	c	c	c
3Q2020	c	c	c	c	c

GREECE**Table 3 - Average prices and taxes in euros**

Steam coal for industry (per tonne)						Steam coal for electricity generation (per tonne)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009
2010
2011
2012
2013
2014
2015	X	X	X	X	X	X	X	X	X	X
2016	X	X	X	X	X	X	X	X	X	X
2017	X	X	X	X	X	X	X	X	X	X
2018	X	X	X	X	X	X	X	X	X	X
2019	X	X	X	X	X	X	X	X	X	X
3Q2019	X	X	X	X	X	X	X	X	X	X
4Q2019	X	X	X	X	X	X	X	X	X	X
1Q2020	X	X	X	X	X	X	X	X	X	X
2Q2020	X	X	X	X	X	X	X	X	X	X
3Q2020	X	X	X	X	X	X	X	X	X	X
Steam coal for households (per tonne)						Coking coal for industry (per tonne)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	X	X	X	X	X
2010	X	X	X	X	X
2011	X	X	X	X	X
2012	X	X	X	X	X
2013	X	X	X	X	X
2014	X	X	X	X	X
2015	X	X	X	X	X	X	X	X	X	X
2016	X	X	X	X	X	X	X	X	X	X
2017	X	X	X	X	X	X	X	X	X	X
2018	X	X	X	X	X	X	X	X	X	X
2019	X	X	X	X	X	X	X	X	X	X
3Q2019	X	X	X	X	X	X	X	X	X	X
4Q2019	X	X	X	X	X	X	X	X	X	X
1Q2020	X	X	X	X	X	X	X	X	X	X
2Q2020	X	X	X	X	X	X	X	X	X	X
3Q2020	X	X	X	X	X	X	X	X	X	X
Electricity for industry (per megawatt hour)						Electricity for households (per megawatt hour)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	78.00	4.00	-	4.00	82.00	100.00	0.30	9.00	9.30	109.30
2010	74.30	11.70	-	11.70	86.00	96.70	11.80	11.10	22.90	119.60
2011	77.90	12.35	-	12.35	90.25	101.40	8.60	14.40	23.00	124.40
2012	86.45	17.60	-	17.60	104.05	106.85	17.45	16.15	33.60	140.45
2013	87.15	19.75	-	19.75	106.90	118.15	26.10	18.75	44.85	163.00
2014	87.35	20.25	-	20.25	107.60	121.00	36.20	20.40	56.60	177.60
2015	82.70	12.25	-	12.25	94.95	121.90	34.65	20.35	55.00	176.90
2016	72.10	17.45	-	17.45	89.55	117.35	34.82	19.78	54.60	171.95
2017	73.60	21.45	-	21.45	95.05	111.45	45.90	20.45	66.35	177.80
2018	68.90	19.60	-	19.60	88.50	112.85	33.96	19.09	53.05	165.90
2019	70.50	16.10	-	16.10	86.60	117.75	34.65	13.19	47.80	165.55
3Q2019	72.30	17.20	-	17.20	89.50	120.90	31.53	9.15	40.60	161.50
4Q2019	72.30	17.20	-	17.20	89.50	120.90	31.53	9.15	40.60	161.50
1Q2020
2Q2020
3Q2020

GREECE**Table 4 - Indices of energy prices**

	Oil products		Electricity		Natural gas		Coal	
	Wholesale 2010=100	Retail 2009 = 100	Wholesale 2010 = 100	Retail 2009 = 100	Wholesale 2010 = 100	Retail 2009 = 100	Wholesale 2010 = 100	Retail 2009 = 100
1999	..	59.6	..	75.5	59.1	63.1
2000	50.8	75.8	..	71.0	67.6	..	65.4	65.1
2001	46.6	72.8	53.7	73.9	67.8	..	67.9	68.2
2002	46.8	71.3	55.6	76.8	62.0	..	68.7	70.9
2003	45.9	74.0	57.2	79.2	64.1	..	71.2	74.2
2004	55.3	79.7	58.3	80.8	60.5	..	71.3	77.3
2005	80.6	92.8	60.3	83.1	62.7	97.0	71.5	80.6
2006	90.3	102.8	62.6	85.6	77.1	105.6	73.0	84.9
2007	93.9	104.3	66.3	89.1	72.7	108.6	79.8	91.0
2008	124.4	119.9	75.3	97.0	105.1	147.7	81.4	96.4
2009	88.7	100.0	78.7	100.0	78.4	100.0	83.0	100.0
2010	117.2	138.3	78.8	104.8	94.8	128.0	87.3	101.0
2011	151.7	164.5	76.7	110.8	108.2	168.0	100.3	101.7
2012	168.2	184.6	84.5	127.3	130.7	196.9	99.3	105.4
2013	154.6	193.6	95.1	146.4	115.6	189.0	89.2	107.6
2014	141.9	185.3	102.6	158.0	119.3	177.0	93.6	106.4
2015	100.0	156.8	100.0	161.3	100.0	162.6	100.0	108.1
2016	81.3	144.5	95.4	159.0	67.6	140.8	108.2	111.7
2017	99.1	161.8	93.0	158.1	86.6	160.0	128.1	110.8
2018	120.6	170.5	92.0	154.7	93.4	163.2	121.3	112.9
2019	119.6	171.7	94.9	151.3	103.6	161.1	115.1	113.1
3Q2012	172.1	183.0	84.5	128.0	136.1	206.9	99.6	105.3
4Q2012	162.1	195.7	84.5	128.9	128.1	197.9	95.8	107.6
1Q2013	161.4	197.5	91.3	141.8	119.0	191.2	95.8	108.1
2Q2013	151.2	192.6	94.3	141.8	119.0	181.8	96.1	108.1
3Q2013	155.4	194.3	96.8	149.2	114.3	195.8	82.5	107.4
4Q2013	150.4	189.9	98.0	152.9	110.2	187.3	82.5	106.8
1Q2014	148.9	190.1	98.3	152.9	110.7	187.0	82.5	106.8
2Q2014	150.7	191.5	106.6	158.3	108.7	174.8	97.3	106.5
3Q2014	147.0	191.6	102.2	160.4	126.2	170.4	97.3	106.5
4Q2014	120.9	167.9	103.5	160.4	131.4	175.9	97.3	106.0
1Q2015	104.0	154.5	100.3	160.8	125.5	179.8	97.3	106.6
2Q2015	115.9	164.7	100.3	161.5	98.4	167.7	100.0	106.8
3Q2015	96.5	161.2	99.4	161.5	89.7	156.2	101.3	108.2
4Q2015	83.5	147.0	99.9	161.5	86.4	146.5	101.3	111.0
1Q2016	65.3	136.8	98.2	159.0	74.1	144.9	101.3	111.6
2Q2016	81.0	143.1	97.4	159.0	59.2	136.2	110.5	111.6
3Q2016	83.6	144.0	93.4	159.0	63.8	136.7	110.5	111.7
4Q2016	95.4	154.2	92.6	159.0	73.3	145.3	110.5	111.9
1Q2017	102.8	164.2	93.5	158.1	94.9	167.0	110.5	111.5
2Q2017	94.7	161.3	93.6	158.1	86.3	170.3	133.9	111.1
3Q2017	93.9	159.6	92.4	158.1	84.0	153.0	133.9	108.7
4Q2017	105.3	162.0	92.6	158.1	81.3	149.8	133.9	112.0
1Q2018	107.4	165.1	92.7	154.7	80.1	152.0	128.9	112.8
2Q2018	122.5	170.3	92.9	154.7	89.6	156.4	118.8	112.9
3Q2018	128.2	172.9	91.4	154.7	99.7	171.6	118.8	112.8
4Q2018	124.5	173.7	91.1	154.7	104.3	173.0	118.8	113.1
1Q2019	117.7	165.3	93.6	154.7	110.2	178.8	118.8	112.9
2Q2019	122.1	175.3	94.6	148.4	99.1	157.0	115.1	112.1
3Q2019	117.4	174.5	94.3	148.2	102.1	154.3	113.2	113.1
4Q2019	121.1	171.8	97.2	154.1	103.0	154.3	113.2	114.2
1Q2020	98.7	167.2	102.6	154.1	70.6	133.0	113.2	113.4
2Q2020	62.4	140.7	100.7	153.3	53.6	109.2	143.9	110.5
3Q2020

GREECE

Sources

Prices and taxes data for all energy products are provided on a quarterly basis by the **Ministry of Environment and Energy (the Ministry)**.

Energy price indices are provided on a quarterly basis by the **Hellenic Statistical Authority**.

Data collection methodology

Oil products

End-use prices for all oil products are based on weekly reports of the National Observatory for Prices, which are averaged for each quarter by the Ministry. Refinery prices are provided on a daily basis for each product, based on international prices (Platts). For each product, a premium is added to include additional refinery operating costs and profit margins.

Ex-tax prices are calculated by the Ministry by subtracting the applicable taxes, as described in the Energy taxation section of this document, from the end-use prices.

In accordance with law 2960/2001 (National Customs Code) as amended, light fuel oil consumption for heating only takes place during the winter period (defined as the period between 15 October and 30 April) and is subject to a reduced excise duty rate. Consequently, data for the third quarter is shown as not applicable, and data for the second quarter only includes April. Data for the second quarter only include April, except for 2Q2020 where prices include April and May as a result of the measures taken for the Covid-19 pandemic.

Natural gas

From 2016 onwards, prices and taxes are calculated as a consumption-weighted average of all the consumption bands reported to Eurostat.

Data are biannual, therefore, prices for 1Q and 2Q are the same, as are those for 3Q and 4Q.

Prior to 2016, prices and taxes for natural gas are derived by the Ministry on a quarterly basis from a survey covering all natural gas retail companies in the country.

Steam and coking coal

Steam coal used for electricity generation in Greece is mainly lignite, mined on-site by the power generations. As such, prices are not applicable, as there is no economic transaction between the mine and the power plant.

From 1Q2015 onwards, steam and coking coal prices for industry are not applicable, due to limited sectoral consumption levels.

Steam coal prices for households are not applicable, due to limited sectoral consumption levels.

Electricity

From 2019 onwards, prices and taxes are calculated as a consumption-weighted average of all the consumption bands reported to Eurostat.

From 3Q2007 to 4Q2018, prices refer to the Eurostat consumption band DC for households (annual consumption: 2 500 – 5 000 kWh) and ID for industry (annual consumption: 2 000 – 20 000 MWh).

Data are biannual, therefore, prices for 1Q and 2Q are the same, as are those for 3Q and 4Q.

No information is available from 2Q2006 to 2Q2007. Prior to 2Q2006, prices refer to annual average revenues per MWh from all utilities for sales to industry and households.

Energy price indices

Annual indices are 12-month averages. From 1Q1993 onwards, quarterly indices refer to the three-month average of the quarter. Prior to 1Q1993, indices refer to the second month of each quarter.

Prices for the wholesale indices collected for products sold on the domestic market are basic prices, excluding VAT, duties and other taxes, and including subsidies on products. Deductible taxes directly linked to turnover, are excluded.

Wholesale indices for oil products refer to the weighted-average of the Producer Price Index (PPI) series for heavy fuel oil and diesel. Retail indices refer to the weighted-average of the Consumer Price Index (CPI) series for heating oil and gasoline.

Wholesale indices for electricity refer to the weighted averages of the PPI series for electricity used in industry, services, agriculture and other uses (public lighting, traction power supply system) in low, middle and high voltage consumption. Retail indices refer to the Harmonised Indices of Consumer Prices (HICP) series for *electricity* (cp0451).

Wholesale and retail indices for natural gas refer to the PPI and CPI series, respectively, for natural gas.

Wholesale indices for coal refer to the PPI series for lignite. Retail indices refer to the HICP series for *solid fuels* (cp0454).

Energy taxation

VAT

VAT (*ΦΠΑ*) applies to all energy products. VAT is refunded for purchases for commercial purposes. Therefore, it is not included in prices shown for the industrial and electricity generation sectors, as well as for automotive fuels for commercial use.

A reduced VAT rate applies to natural gas and electricity.

From	To	General %	Reduced %
15.03.10	30.06.10	21	10
01.07.10	31.12.10	23	11
01.01.11	31.05.16	23	13
01.06.16	19.05.19	24	13
20.05.19	now	24	6

Excise tax

Excise taxation on energy and the main provisions on excise duty rates on energy products are laid down in the National Customs Code (Law 2960/2001, Governmental Gazette A 265, articles 72-78) as amended. The legal framework is consistent with the 2003 EU Energy Taxation Directive.

Tax applicability table (not exhaustive)

	HSFO	SFO	LFO	Diesel	Gasoline	LPG	Natural gas	Steam coal	Coking coal	Electricity
Excise duties	x	x	x	x	x	x	x	x	x	x
Public service obligation charges										x
Special levy on pollutant emissions										x

Excise duties (Ειδικός Φόρος Κατανάλωσης - ΕΦΚ)

Excise duties are currently levied on oil products, natural gas, coal and electricity, used for transportation or heating.

Diesel used for heating during winter (defined as the period between 15 October and 30 April) is subject to a reduced excise duty rate.

Natural gas used for heating is subject to excise duties since 1 September 2011. Natural gas used for transportation or electricity generation is exempt.

Coal (used for heating and for other uses) is subject to Excise duties. Coal used in electricity generation, as well as mineralogical and metallurgical processes and for chemical reduction is exempt.

Electricity is subject to excise duties since 2 May 2010.

Public service obligation charges (Χρεώσεις που αφορούν τις Υπηρεσίες Κοινής Ωφέλειας - ΥΚΩ)

Electricity consumers are subject to a Public service obligation charge levied, as a mechanism for financing the cost of public service obligations.

Electricity suppliers in Greece have the obligation to supply residents of the non-interconnected islands at the same prices as in the mainland, despite higher production costs. Additionally, large families and economically vulnerable consumers are entitled to a discounted social tariff.

For industrial consumers, rates differentiate between low, middle and high voltage consumption.

Special Duty

According to Law 2093/92, natural gas, electricity and liquid fuels supply companies are obliged to collect the Special Duty, currently at 5%, in their bills and render it to the Greek Customs Authorities.

The Special Duty is calculated in the “actual” bills based on the consumed quantity, surcharged by the excise duty. The Special Duty is not subject to VAT and also does not include the special levy on pollutant emissions.

Special levy on pollutant emissions (Ειδικό Τέλος Μείωσης Εκπομπών Αερίων Ρύπων - ETMEAP)

Electricity consumers are subject to an additional tax component to support the financial incentives to renewable electricity generation and high-efficiency combined heat and power facilities.

From 2019 onwards, the national legislation set a fixed rate of 17€/MWh. Reduced rates are applied for specific consumers' categories.

Excise duties (Ειδικός Φόρος Κατανάλωσης - ΕΦΚ)

From	To	Heavy fuel oil (EUR/tonne)	Light fuel oil* (EUR/1000l)	Automotive diesel (EUR/l)	Gasoline (EUR/l)	Natural gas households (EUR/MWh)	Natural gas industry (EUR/MWh)
01.01.09	25.06.09	19		0.302	0.359		
26.06.09	14.10.09	19		0.302	0.410		
15.10.09	08.02.10	19	21	0.302	0.410		
09.02.10	03.03.10	19	21	0.352	0.530		
04.03.10	02.05.10	19	21	0.382	0.610		
03.05.10	26.06.11	19	21	0.412	0.670		
27.06.11	31.08.11	38	21	0.412	0.670		
01.09.11	14.10.11	38	21	0.412	0.670	5.4	5.4
15.10.11	14.10.12	38	60	0.412	0.670	5.4	5.4
15.10.12	14.10.14	38	330	0.330	0.670	5.4	5.4
15.10.14	14.10.16	38	230	0.330	0.670	5.4	5.4
15.10.16	31.12.16	38	280	0.330	0.670	5.4	5.4
01.01.17	now	38	280	0.410	0.700	1.1	0.4**

* Light fuel oil is only consumed during winter, defined as the period between 15 October and 30 April.

** Refers to an annual consumption of 100.001 – 500.000 MWh.

Product specifications

	Low sulphur fuel oil	Light fuel oil <i>industry</i>	Automotive diesel	Premium unleaded (95 RON) gasoline	Premium leaded gasoline	Natural gas
Octane number		Fuel oil no. 3 and 5		95	96	
Density (kg/l)		0.991 – 0.995	0.820 – 0.845	0.72 – 0.775		
Sulphur content (%)	1.5	< 1	< 0.001	< 0.001		
Lead content (g/l)				< 0.005	0.15	
GCV (kcal/m ³)						8 776 – 11 796 (pipeline) 9 601 – 10 910 (LNG)
Delivery size	46 000 tonne/y	2 000 – 5 000 l (Athens area)				

HUNGARY**Table 1 - Average prices and taxes in forints**

Low sulphur fuel oil for industry (per tonne)					Heavy fuel oil for electricity generation (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	81 995	6 925	-	6 925	88 920	x	x	x	x	x
2010	105 200	7 500	-	7 500	112 700	x	x	x	x	x
2011	140 762	7 500	-	7 500	148 262	x	x	x	x	x
2012	167 884	7 500	-	7 500	175 384	x	x	x	x	x
2013	147 873	7 500	-	7 500	155 373	x	x	x	x	x
2014	167 251	7 500	-	7 500	174 751	x	x	x	x	x
2015	133 119	5 930	-	5 930	139 049	x	x	x	x	x
2016	113 584	5 930	-	5 930	119 514	x	x	x	x	x
2017	126 358	6 141	-	6 141	132 499	x	x	x	x	x
2018	179 302	6 958	-	6 958	186 260	x	x	x	x	x
2019	161 799	6 958	-	6 958	168 757	x	x	x	x	x
3Q2019	171 087	6 958	-	6 958	178 045	x	x	x	x	x
4Q2019	193 161	6 958	-	6 958	200 119	x	x	x	x	x
1Q2020	165 344	6 958	-	6 958	172 302	x	x	x	x	x
2Q2020	122 154	6 958	-	6 958	129 112	x	x	x	x	x
3Q2020	x	x	x	x	x
Light fuel oil for industry (per 1000 litres)					Light fuel oil for households (per 1000 litres)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	x	x	x	x	x
2010	x	x	x	x	x
2011	x	x	x	x	x
2012	x	x	x	x	x
2013	x	x	x	x	x
2014	x	x	x	x	x
2015	x	x	x	x	x
2016	x	x	x	x	x
2017	x	x	x	x	x
2018	x	x	x	x	x
2019	x	x	x	x	x
3Q2019	x	x	x	x	x
4Q2019	x	x	x	x	x
1Q2020	x	x	x	x	x
2Q2020	x	x	x	x	x
3Q2020	x	x	x	x	x
Automotive diesel for commercial use (per litre)					Automotive diesel for non-commercial use (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	129.00	90.56	-	90.56	219.57	129.00	90.65	49.42	140.08	269.08
2010	156.49	100.57	-	100.57	257.06	156.49	100.57	64.27	164.84	321.33
2011	201.22	102.56	-	102.56	303.77	201.22	102.56	75.94	178.50	379.72
2012	228.18	113.56	-	113.56	341.73	228.18	113.56	92.27	205.82	434.00
2013	221.68	113.56	-	113.56	335.23	221.68	113.56	90.51	204.07	425.74
2014	213.74	113.56	-	113.56	327.29	213.74	113.56	88.37	201.92	415.66
2015	168.34	113.56	-	113.56	281.89	168.34	113.56	76.11	189.67	358.00
2016	147.52	114.36	-	114.36	261.88	147.52	114.36	70.71	185.07	332.59
2017	166.93	114.28	-	114.28	281.21	166.93	114.28	75.93	190.21	357.13
2018	199.52	112.86	-	112.86	312.38	199.52	112.86	84.34	197.20	396.72
2019	201.62	112.86	-	112.86	314.48	201.62	112.86	84.91	197.77	399.39
3Q2019	202.00	112.86	-	112.86	314.86	202.00	112.86	85.01	197.87	399.87
4Q2019	207.67	112.86	-	112.86	320.53	207.67	112.86	86.54	199.40	407.07
1Q2020	192.87	112.86	-	112.86	305.72	192.87	112.86	82.54	195.40	388.26
2Q2020	155.17	113.41	-	113.41	268.58	155.17	113.41	72.52	185.93	341.10
3Q2020

HUNGARY**Table 2 - Average prices and taxes in forints**

Premium unleaded (98 RON) gasoline (per litre)						Premium unleaded (95 RON) gasoline (per litre)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	123.11	109.13	52.25	161.38	284.49
2010	147.20	123.35	67.64	190.98	338.19
2011	182.98	123.30	76.57	199.87	382.85
2012	212.59	123.30	90.69	213.99	426.58
2013	205.35	123.30	88.74	212.04	417.39
2014	196.82	123.30	86.43	209.73	406.55
2015	158.51	123.30	76.09	199.39	357.90
2016	139.77	122.77	70.89	193.66	333.43
2017	156.07	122.88	75.32	198.20	354.28
2018	178.39	122.67	81.29	203.96	382.36
2019	178.39	122.67	81.29	203.96	382.35
3Q2019	182.46	122.67	82.39	205.06	387.52
4Q2019	181.33	122.67	82.08	204.75	386.09
1Q2020	174.36	122.67	80.20	202.87	377.24
2Q2020	131.90	123.35	68.92	192.27	324.17
3Q2020
Automotive LPG for non-commercial use (per litre)						Natural gas for industry (per megawatt hour GCV)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	101.64	25.87	28.69	54.55	156.19	10 351	272	-	272	10 623
2010	121.32	25.87	36.80	62.66	183.98	7 345	290	-	290	7 635
2011	149.58	25.87	43.86	69.73	219.31	8 462	290	-	290	8 752
2012	169.35	25.87	52.71	78.57	247.92	10 468	290	-	290	10 758
2013	189.72	25.87	58.21	84.07	273.80	9 911	290	-	290	10 200
2014	182.07	25.87	56.14	82.01	264.08	11 611	290	-	290	11 900
2015	145.18	25.87	46.18	72.05	217.23	9 252	306	-	306	9 558
2016	119.77	34.49	41.65	76.14	195.91	7 666	306	-	306	7 972
2017	133.43	34.49	45.34	79.83	213.26	6 870	304	-	304	7 174
2018	149.68	34.49	49.72	84.21	233.89	8 200	304	-	304	8 503
2019	149.09	34.49	49.57	84.06	233.15	8 200	304	-	304	8 503
3Q2019	148.61	34.49	49.44	83.93	232.54	7 707	304	-	304	8 011
4Q2019	153.15	34.49	50.66	85.15	238.31	7 138	304	-	304	7 442
1Q2020	159.10	34.49	52.27	86.76	245.86	7 047	304	-	304	7 351
2Q2020	138.09	34.49	46.60	81.09	219.18	5 893	304	-	304	6 197
3Q2020
Natural gas for electricity generation (per megawatt hour GCV)						Natural gas for households (per megawatt hour GCV)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	8 927	-	-	-	8 927	10 168	-	2 288	2 288	12 456
2010	6 777	-	-	-	6 777	9 225	-	2 306	2 306	11 531
2011	8 417	-	-	-	8 417	10 226	-	2 556	2 556	12 782
2012	9 883	-	-	-	9 883	10 698	-	2 888	2 888	13 586
2013	9 426	-	-	-	9 426	10 125	-	2 734	2 734	12 858
2014	10 018	-	-	-	10 018	8 976	-	2 423	2 423	11 399
2015	8 903	-	-	-	8 903	8 764	-	2 366	2 366	11 130
2016	6 572	-	-	-	6 572	8 663	-	2 339	2 339	11 002
2017	6 823	-	-	-	6 823	8 821	-	2 382	2 382	11 203
2018	7 847	-	-	-	7 847	8 852	-	2 390	2 390	11 242
2019	7 847	-	-	-	7 847	8 852	-	2 390	2 390	11 242
3Q2019	6 185	-	-	-	6 185	8 712	-	2 352	2 352	11 064
4Q2019	7 322	-	-	-	7 322	8 673	-	2 342	2 342	11 015
1Q2020	6 302	-	-	-	6 302	8 674	-	2 342	2 342	11 015
2Q2020	4 477	-	-	-	4 477	8 674	-	2 342	2 342	11 015
3Q2020

HUNGARY**Table 3 - Average prices and taxes in forints**

Steam coal for industry (per tonne)						Steam coal for electricity generation (per tonne)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	c	c	c	c	c
2010	x	x	x	x	x	c	c	c	c	c
2011	x	x	x	x	x	c	c	c	c	c
2012	x	x	x	x	x	c	c	c	c	c
2013	x	x	x	x	x	c	c	c	c	c
2014	x	x	x	x	x	c	c	c	c	c
2015	x	x	x	x	x	c	c	c	c	c
2016	x	x	x	x	x	c	c	c	c	c
2017	x	x	x	x	x	c	c	c	c	c
2018	x	x	x	x	x	c	c	c	c	c
2019	x	x	x	x	x	c	c	c	c	c
3Q2019	x	x	x	x	x	c	c	c	c	c
4Q2019	x	x	x	x	x	c	c	c	c	c
1Q2020	x	x	x	x	x	c	c	c	c	c
2Q2020	x	x	x	x	x	c	c	c	c	c
3Q2020	x	x	x	x	x	c	c	c	c	c
Steam coal for households (per tonne)						Coking coal for industry (per tonne)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	29 842	-	6 715	6 715	36 557	c	c	c	c	c
2010	31 167	-	7 792	7 792	38 959	c	c	c	c	c
2011	32 942	-	8 236	8 236	41 178	c	c	c	c	c
2012	35 320	-	9 537	9 537	44 857	c	c	c	c	c
2013	36 874	-	9 956	9 956	46 830	c	c	c	c	c
2014	37 568	-	10 143	10 143	47 711	c	c	c	c	c
2015	38 558	-	10 411	10 411	48 970	c	c	c	c	c
2016	38 877	-	10 497	10 497	49 373	c	c	c	c	c
2017	39 570	-	10 684	10 684	50 254	c	c	c	c	c
2018	41 437	-	11 188	11 188	52 625	c	c	c	c	c
2019	44 399	-	11 988	11 988	56 387	c	c	c	c	c
3Q2019	44 246	-	11 947	11 947	56 193	c	c	c	c	c
4Q2019	45 173	-	12 197	12 197	57 370	c	c	c	c	c
1Q2020	45 597	-	12 311	12 311	57 908	c	c	c	c	c
2Q2020	45 620	-	12 318	12 318	57 938	c	c	c	c	c
3Q2020	c	c	c	c	c
Electricity for industry (per megawatt hour)						Electricity for households (per megawatt hour)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	32 025	252	-	252	32 277	34 017	-	7 654	7 654	41 670
2010	26 948	615	-	615	27 563	36 081	320	9 020	9 340	45 422
2011	26 397	1 155	-	1 155	27 552	34 436	860	8 609	9 469	43 905
2012	27 823	1 755	-	1 755	29 578	34 991	1 460	9 448	10 908	45 898
2013	27 813	1 858	-	1 858	29 672	31 084	1 217	8 393	9 609	40 693
2014	26 304	2 375	-	2 375	28 679	28 979	-	7 824	7 824	36 804
2015	25 111	2 731	-	2 731	27 842	28 169	-	7 606	7 606	35 775
2016	22 903	2 381	-	2 381	25 283	27 864	-	7 523	7 523	35 387
2017	22 038	2 295	-	2 295	24 333	27 849	-	7 519	7 519	35 369
2018	24 234	1 261	-	1 261	25 494	27 967	-	7 551	7 551	35 519
2019	24 234	1 261	-	1 261	25 494	27 967	-	7 551	7 551	35 519
3Q2019	28 161	1 201	-	1 201	29 362	28 420	-	7 673	7 673	36 093
4Q2019	29 158	1 201	-	1 201	30 359	27 906	-	7 535	7 535	35 441
1Q2020	31 600	1 201	-	1 201	32 800	27 681	-	7 474	7 474	35 155
2Q2020	30 861	1 201	-	1 201	32 061	28 084	-	7 583	7 583	35 666
3Q2020

HUNGARY**Table 4 - Indices of energy prices**

	Oil products		Electricity		Natural gas		Coal	
	Wholesale	Retail 1995 = 100	Wholesale	Retail 1995 = 100	Wholesale	Retail 1995 = 100	Wholesale	Retail 2000 = 100
1999	..	244.1	..	231.3	..	177.6	..	88.5
2000	..	328.0	..	244.2	..	211.1	..	100.0
2001	..	322.9	..	259.7	..	303.7	..	112.6
2002	..	313.5	..	273.2	..	325.5	..	117.8
2003	..	327.2	..	311.5	..	301.4	..	121.2
2004	..	347.6	..	346.4	..	297.8	..	131.9
2005	..	518.9	..	358.1	..	342.3	..	135.0
2006	..	562.8	..	395.6	..	467.4	..	146.2
2007	..	550.2	..	444.4	..	610.9	..	164.2
2008	..	615.0	..	513.5	..	716.6	..	181.6
2009	..	586.3	..	566.3	..	721.7	..	216.0
2010	..	702.9	..	606.3	..	776.2	..	230.2
2011	..	817.7	..	597.2	..	856.9	..	243.3
2012	..	921.6	..	638.7	..	910.8	..	265.0
2013	..	969.0	..	612.7	..	825.3	..	276.7
2014	..	877.1	..	580.1	..	768.4	..	281.9
2015	..	766.8	..	562.0	..	714.7	..	289.3
2016	..	708.3	..	524.3	..	635.0	..	291.7
2017	..	758.0	..	510.6	..	610.4	..	296.9
2018	..	835.2	..	531.1	..	669.8	..	310.9
2019	..	839.1	..	593.1	..	636.4	..	333.2
3Q2012	..	917.6	..	635.9	..	1072.3	..	263.0
4Q2012	..	903.1	..	636.4	..	895.5	..	271.4
1Q2013	..	917.8	..	620.9	..	822.2	..	274.6
2Q2013	..	891.3	..	610.4	..	886.8	..	275.1
3Q2013	..	916.0	..	614.3	..	954.1	..	274.1
4Q2013	..	887.6	..	605.1	..	785.0	..	282.9
1Q2014	..	892.9	..	584.4	..	757.8	..	284.3
2Q2014	..	901.3	..	582.8	..	811.6	..	278.9
3Q2014	..	901.8	..	580.4	..	812.4	..	276.9
4Q2014	..	830.6	..	572.8	..	734.1	..	287.5
1Q2015	..	762.4	..	559.4	..	711.2	..	288.6
2Q2015	..	812.2	..	553.1	..	744.3	..	288.7
3Q2015	..	770.8	..	566.5	..	764.4	..	288.9
4Q2015	..	721.7	..	568.8	..	680.0	..	291.1
1Q2016	..	661.4	..	536.4	..	639.3	..	291.2
2Q2016	..	714.3	..	515.5	..	666.3	..	291.4
3Q2016	..	711.9	..	517.7	..	670.1	..	291.7
4Q2016	..	757.6	..	527.6	..	598.2	..	292.5
1Q2017	..	790.9	..	512.9	..	614.7	..	293.7
2Q2017	..	746.8	..	502.3	..	615.4	..	295.7
3Q2017	..	734.2	..	506.9	..	604.3	..	296.4
4Q2017	..	774.5	..	520.1	..	605.2	..	301.9
1Q2018	..	781.7	..	529.0	..	615.7	..	306.3
2Q2018	..	831.7	..	518.3	..	640.6	..	307.4
3Q2018	..	867.6	..	529.2	..	675.4	..	308.7
4Q2018	..	863.1	..	548.0	..	696.2	..	321.4
1Q2019	..	803.1	..	595.2	..	663.8	..	330.3
2Q2019	..	858.0	..	583.7	..	615.0	..	331.4
3Q2019	..	846.9	..	590.6	..	644.2	..	332.0
4Q2019	..	856.8	..	601.0	..	612.8	..	339.0
1Q2020	..	823.0	..	630.0	..	614.3	..	342.1
2Q2020	..	717.9	..	626.0	..	565.3	..	342.3
3Q2020

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Sources

Data for all energy products, including energy price indices, are provided on a quarterly basis by the **Energy and Public Utility Regulatory Authority (MEKH)**.

Data collection methodology

Oil products

Oil product prices are based on periodical surveys covering the largest fuel providers in the country. In the surveys, companies report revenues related to fuel sales and total sales volumes. Ex-tax prices are calculated as the ratio of the sum of revenues from fuel sales and the total volumes sold.

End-use prices are computed by adding to ex-tax prices the applicable tax components. For commercial users, the tax elements are the excise duty and the stockholding fee, as described in the Energy Taxation section of this document. For non-commercial users, VAT is added to the tax.

The company surveys used to calculate the data are estimated to cover around 82-85% of fuel sales for gasoline, 85-90% for automotive diesel, and 100% for fuel oil.

From 1 April 1996 onwards, leaded regular gasoline (92 RON) is not sold in Hungary. Since 1 May 2004, unleaded regular (91 RON) is no longer consumed. Since 1 May 2007, unleaded premium gasoline (98 RON) is no longer sold by the country's major fuel retailers.

Natural gas

Ex-tax prices are based on periodical surveys of natural gas traders and universal service providers. Ex-tax prices are calculated as the ratio of the sum of revenues from natural gas sales and the total volumes sold. The company survey covers 100% of natural gas sales in Hungary.

End-use prices are computed by adding to the ex-tax prices the applicable tax components. For households, the only tax component is VAT. For industry, the tax components only include the excise duties.

Differently from oil products, the stockholding fee described in the Energy Taxation section of this document is included in the ex-tax price for natural gas.

Automatic subsidies for households were abolished on 1 January 2007, which had been reflected in lower ex-tax prices. Due to this, there appears to be an abnormal increase in prices for households between 4Q2006 and 1Q2007, when there was in fact no change in the cost.

Steam and coking coal

Coal-fuelled thermal power plants in Hungary tend to source their fuel from their own coal mines, resulting in confidential prices for the electricity generation sector.

Steam coal prices for households are estimated based on data for the year 2000 and updated using the monthly consumer price index for coal produced by the Central Statistical Office.

Electricity

Ex-tax prices are based on periodical surveys of electricity traders, universal service providers and distribution system operators. The company survey is estimated to cover 100% of electricity sales in Hungary.

Ex-tax prices per consumption band are calculated as the ratio of revenues and the total volumes sold in each band. Prices for households and industry presented in this publication are consumption-weighted averages for all relevant consumption bands.

End-use prices are computed by adding to the ex-tax prices the applicable tax components.

Energy price indices

The indices are calculated from weekly surveyed data. Annual indices are 52-week averages. Quarterly indices are averages of all weeks in the quarter.

For oil products, the indices from 3Q2007 onwards refer to a weighted average of premium unleaded gasoline (95 RON), automotive diesel and low sulphur fuel oil.

Prior to 3Q2007, the indices also included premium unleaded gasoline (98 RON) prices.

The retail indices for coal refer to steam coal.

Energy taxation

VAT

VAT (*ÁFA*) is refunded for purchases for commercial purposes. Therefore, it is not included in prices shown for industry and electricity generation, as well as for automotive fuels for commercial use.

From	To	%
01.01.93	31.07.93	6
01.08.93	31.12.94	10
01.01.95	31.12.03	12
01.01.04	31.08.06	15
01.09.06	30.06.09	20
01.07.09	31.12.11	25
01.01.12	now	27

Excise tax

Energy taxes in Hungary are levied in accordance with the 2003 EU Energy Taxation Directive.

Natural gas, electricity and coal for households, as well as natural gas and coal for electricity generation, are not subject to excise taxes.

LFO is subject to the same taxation regime as automotive diesel.

Tax applicability table (not exhaustive)

	HSFO/LSFO	LFO	Diesel	Gasoline	LPG	Natural gas	Steam coal	Coking coal	Electricity
Excise duties	x	x	x	x	x	x	x	x	x
Stockholding fee	x	x	x	x		x			
Other electricity taxes									x

Excise duties (*Jövedéki adó*)

Excise duties generally are levied on oil products and compressed natural gas (CNG). From 1 July 2017 onwards, this tax is also levied on natural gas, coal and electricity used for commercial purposes. Tax rates for natural gas, coal and electricity are legally expressed in HUF per GJ, tonnes and MWh, respectively.

Excise duties (*Jövedéki adó*)

From	To	Heavy fuel oil (HUF/tonne)	Automotive diesel (HUF/l)	Gasoline (HUF/l)	Automotive LPG (HUF/l)	Natural gas (HUF/MWh)	Coal (HUF/tonne)	Electricity (HUF/MWh)
01.01.03	31.12.04		82.00	n.a.	n.a.			
01.01.05	30.06.09		85.00	n.a.	n.a.			
01.01.10	30.10.11		90.40	n.a.	n.a.			
01.11.11	31.12.14		97.35	120	n.a.			
01.01.15	30.09.16		110.35	120	34.488			
01.10.16	31.03.17	4 665	120.35	125	34.488			
01.04.17	30.06.17	4 655	110.35	120	34.488			
01.07.17	now	4 655	110.35	120	34.488	303.8	2 516	310.05

Excise duties on fuels used in agriculture are refunded at an 82% rate.

In terms of coal the national tax rate is based on weight and quantity which used by households is exempted.

Energy tax (*Energiaadó*)

An energy tax is levied on natural gas, coal and electricity used for commercial purposes. Tax rates for natural gas, coal and electricity are legally expressed in HUF per GJ, tonnes and MWh, respectively.

This tax was abolished on 30 June 2017.

Stockholding fee (*Készletezési díj*)

A strategic stockholding fee has been levied on liquid fuels sales in Hungary since 1 January 2003. The revenue from this fee is used to cover the cost of maintaining the country's strategic reserves.

On 1 January 2004, this fee was extended to natural gas sales to support the stockpiling of this fuel.

Other electricity taxes

In addition to the energy tax, three additional tax components are levied on electricity sales to industry.

On 1 January 2008, a fee to support the restructuring of the coal industry ("coal cent") was introduced. Simultaneously, a second fee was introduced to support the reduced electricity prices granted to pensioners and employees of the electricity industry.

On 1 January 2011, a third fee on electricity sales to end-users was introduced to support new cogeneration units ("cogeneration restructuring fee").

From 1 January 2019, the "coal cent" is reduced to zero.

VAT is not levied on these three components. From 1 January 2013, all taxes in electricity (including the energy tax) have applied to industrial users only.

Energy tax (*Energiaadó*)

From	To	Natural gas (HUF/MWh)	Coal (HUF/tonne)	Electricity (HUF/MWh)
01.01.04	31.12.07	202		186.0
01.01.08	31.12.09	272		252.0
01.01.10	31.12.14	290	2390	295.0
01.01.15	31.12.16	306	2516	310.5
01.01.17	30.06.17	303.8	2516	310.5

Stockholding fee (*Készletezési díj*)

From	To	Heavy fuel oil (HUF/tonne)	Automotive diesel (HUF/l)	Gasoline (HUF/l)	Natural gas (HUF/MWh)
01.01.03	31.07.03	2 750	3.237	3.289	
01.08.03	31.12.03	3 025	3.237	3.289	
01.01.04	30.06.04	3 025	3.237	3.289	
01.07.04	31.12.07	3 025	2.988	2.977	
01.01.08	31.08.09	2 500	2.573	2.646	
01.09.09	30.09.09	2 750	2.830	2.911	
01.10.09	31.12.09	3 075	3.166	3.256	
01.01.10	31.12.11	3 075	3.166	3.256	
01.10.11	31.12.14	3 075	3.205	3.300	196.00
01.01.15	31.05.15	1 275	1.405	1.500	211.00
01.06.15	30.04.16	1 275	1.405	1.500	232.00
01.05.16	30.09.16	1 275	1.405	1.500	255.00
01.10.16	31.12.16	1 275	1.405	1.500	303.00
01.01.17	30.09.17	1 486	1.616	1.725	365.00
01.10.17	31.12.17	1 486	1.616	1.725	328.24
01.01.18	31.12.19	2.303	2.505	2.674	292.13
01.01.20	31.05.20	2.303	2.505	2.674	257.07
01.06.20	Now	2.303	3.883	4.145	257.07

Other electricity taxes

From	To	Coal cent (HUF/MWh)	Support for reduced electricity prices to pensioners and employees of the electricity industry (HUF/MWh)	Cogeneration restructuring fee (HUF/MWh)
01.01.08	31.12.08	225	110	
01.01.09	31.12.09	200	120	
01.01.10	31.12.10	230	90	
01.01.11	03.04.13	190	70	1200
04.04.13	31.10.13	80	70	1310
01.11.13	31.12.14	170	200	1710
01.01.15	31.12.15	210	130	2080
01.01.16	31.12.16	250	70	1750
01.01.17	22.12.17	160	100	1750
23.12.17	31.12.18	50	90	810
01.01.19	now	0	80	810

Product specifications

Oil products

	Low sulphur fuel oil	Automotive diesel	Premium unleaded (97 RON) gasoline	Premium unleaded (95 RON) gasoline
Density (kg/l)	0.973	0.83	0.72 - 0.75	0.72 - 0.75
Sulphur content (%)	<1	<0.001		
Lead content (g/l)			<0.005	<0.005
NCV (kcal/kg)		10 221		

Natural gas and coal

	Natural gas	Steam coal <i>industry</i>	Steam coal <i>electricity generation</i>	Steam coal <i>households</i>
NCV (kcal/kg)		4 441	1 526	3 422
GCV (kcal/m ³)	9 172.5			

ICELAND**Table 1 - Average prices and taxes in Icelandic krona**

Low sulphur fuel oil for industry (per tonne)					High sulphur fuel oil for industry (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020
Light fuel oil for industry (per 1000 litres)					Light fuel oil for households (per 1000 litres)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	96 788
2010	113 453
2011	141 385
2012	160 183
2013	155 385
2014	142 610
2015	119 273
2016
2017
2018
2019
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020
Automotive diesel for commercial use (per litre)					Automotive diesel for non-commercial use (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020

ICELAND**Table 2 - Average prices and taxes in Icelandic krona**

Premium unleaded (98 RON) gasoline (per litre)					Premium unleaded (95 RON) gasoline (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	176.8
2010	206.3
2011	236.6
2012	257.7
2013	254.3
2014	245.8
2015	214.8
2016
2017
2018
2019
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020
Premium leaded/lead replacement gasoline (per litre)					Natural gas for industry (per megawatt hour GCV)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020
Natural gas for electricity generation (per megawatt hour GCV)					Natural gas for households (per megawatt hour GCV)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020

ICELAND**Table 3 - Average prices and taxes in Icelandic krona**

Steam coal for industry (per tonne)					Steam coal for electricity generation (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020
Steam coal for households (per tonne)					Coking coal for industry (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020
Electricity for industry (per megawatt hour)					Electricity for households (per megawatt hour)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	9 319
2010	10 444
2011	12 042
2012	12 795
2013	13 351
2014	13 717
2015	14 023
2016
2017
2018
2019
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020

ICELAND**Table 4 - Indices of energy prices**

	Oil products		Electricity		Natural gas		Coal	
	Wholesale	Retail 2015 = 100	Wholesale	Retail 2015 = 100	Wholesale	Retail 2015 = 100	Wholesale	Retail 2015 = 100
1999	..	36.3	..	44.1
2000	..	43.1	..	45.5
2001	..	45.3	..	46.2
2002	..	43.0	..	47.9
2003	..	43.2	..	49.6
2004	..	47.3	..	51.3
2005	..	50.2	..	55.6
2006	..	56.3	..	54.6
2007	..	57.5	..	57.4
2008	..	74.8	..	61.7
2009	..	81.0	..	68.1
2010	..	94.9	..	77.5
2011	..	110.7	..	87.6
2012	..	121.2	..	93.2
2013	..	118.8	..	96.4
2014	..	114.3	..	98.9
2015	..	100.0	..	100.0
2016	..	92.6	..	101.4
2017	..	94.7	..	104.2
2018	..	104.6	..	106.6
2019	..	108.7	..	107.6
3Q2012	..	120.0	..	94.1
4Q2012	..	121.4	..	94.5
1Q2013	..	122.7	..	95.6
2Q2013	..	116.5	..	95.6
3Q2013	..	119.3	..	97.1
4Q2013	..	116.6	..	97.3
1Q2014	..	114.6	..	98.9
2Q2014	..	116.7	..	98.5
3Q2014	..	117.1	..	99.1
4Q2014	..	109.0	..	98.9
1Q2015	..	98.1	..	99.5
2Q2015	..	105.6	..	99.6
3Q2015	..	101.6	..	100.5
4Q2015	..	94.7	..	100.5
1Q2016	..	89.7	..	101.6
2Q2016	..	94.8	..	100.5
3Q2016	..	93.3	..	101.6
4Q2016	..	92.7	..	101.8
1Q2017	..	96.5	..	104.1
2Q2017	..	93.8	..	104.1
3Q2017	..	93.1	..	104.7
4Q2017	..	95.5	..	103.9
1Q2018	..	99.8	..	106.7
2Q2018	..	103.9	..	106.4
3Q2018	..	107.2	..	106.6
4Q2018	..	107.7	..	106.6
1Q2019	..	105.4	..	107.9
2Q2019	..	111.3	..	108.1
3Q2019	..	109.5	..	107.2
4Q2019	..	108.7	..	107.2
1Q2020	..	107.8	..	109.1
2Q2020	..	98.3	..	108.6
3Q2020

ICELAND

Sources

Prices for transport fuels, light fuel oil, and electricity in households are extracted from **Statistics Iceland's** website.

Retail energy price indices are derived from data extracted from the **Eurostat** website.

Data collection methodology

Oil products

Quarterly end-use prices refer to the first month of the quarter. From year 2008 onwards, prices for transport fuels and light fuel oil are collected in the middle of the reference month. Prior to year 2008, prices were collected on the first two days of the month.

Annual prices are the average of the quarterly data.

Electricity

Quarterly end-use prices refer to the first month of the quarter. From year 2008 onwards, prices for electricity in households are collected in the middle of the reference month. Prior to year 2008, prices were collected on the first two days of the month.

Prices for electricity in households refer to Reykjavik.

Annual prices are the average of the quarterly data.

Energy price indices

Annual and quarterly indices are 12-month and 3-month averages, respectively, of the Harmonised Indices of Consumer Prices (HICP) produced by Eurostat.

Retail indices for oil products refer to a consumption-weighted average of the “*liquid fuels*” (cp0453) and “*fuels and lubricants for personal transport equipment*” (cp0722) series. The relative weights used for the calculations are taken from the associated item weights series (*prc_hicp_inw*), published by Eurostat.

Retail indices for electricity refer to the “*electricity*” (cp0451) series.

Energy taxation

VAT

VAT is refunded for purchases for commercial purposes. Therefore, it is not included in prices shown for industry, electricity generation and automotive fuels for commercial use.

There are two VAT rates (*virðisaukaskattur*) in Iceland: general and reduced. Transport fuels are taxed at the general rate. Fuel oil and electricity for space heating are taxed at the reduced rate.

From	To	General %	Reduced %
01.01.10	31.12.14	25.5	7
01.01.15	now	24	11

Excise tax

The legislation for excise taxes, introduced in Iceland in 1987, is embedded in a number of acts depending on product category.

Tax applicability table (not exhaustive)

	LFO	Diesel	Gasoline	Electricity
General excise tax	x	x		
Supplementary road tax	x	x		
Carbon tax	x	x	x	x
Energy tax				x

General excise tax (*Almennt vörugjald af eldsneyti*)

The general excise tax is one of two excise taxes in Iceland applicable to transport fuels and governed by Act No. 29/1993 Law on Excise Tax on Vehicles, Fuel, etc. (*Lögum nr. 29/1993 Lög um vörugjald af ökutækjum, eldsneyti o.fl.*). Light fuel oil used for heating in households is exempted from this tax.

Supplementary road tax (*Sérstakt vörugjald af eldsneyti*)

The supplementary road tax is the second excise tax applicable to transport fuels. Revenues from this tax are used for road construction and maintenance.

Carbon tax (*Kolefnisgjald á fljótandi jarðefnaeldsneyti*)

The carbon tax, introduced in 2010, is an environmental tax applicable to transport fuels, fuel oil, aviation fuels, electricity and hot water. It is governed by the Environmental and Natural Resources Tax Act (*Lög um umhverfis- og auðlindaskatta*).

Energy tax (*Skattur af raforku og heitu vatni*)

The energy tax, introduced in 2010, is an environmental tax applicable to sales of electricity and hot water. It is governed by the Environmental and Natural Resources Tax Act (*Lög um umhverfis- og auðlindaskatta*).

Product specifications

Oil products

	Premium unleaded (95 RON) gasoline
Quality	Bílylaust bensín
Density (kg/l)	
Sulphur content (%)	<.001
Lead content (g/l)	<0.005
NCV (kcal/kg)	
GCV (kcal/m ³)	
Delivery size (l)	

IRELAND**Table 1 - Average prices and taxes in euros**

High sulphur fuel oil for industry (per tonne)					Fuel oil for electricity generation (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	512.52	14.52	-	14.52	527.04
2010	593.76	46.00	-	46.00	639.76
2011	735.62	61.52	-	61.52	797.14
2012	821.48	61.52	-	61.52	883.00
2013	770.97	61.52	-	61.52	832.49
2014	731.04	61.52	-	61.52	792.56
2015	555.33	61.52	-	61.52	616.85
2016	462.26	101.84	-	101.84	564.23
2017	594.91	101.84	-	101.84	696.75
2018	497.87	101.84	-	101.84	599.71
2019	453.29	101.84	-	101.84	555.13
3Q2019	457.21	101.84	-	101.84	559.05
4Q2019	468.02	101.84	-	101.84	569.86
1Q2020	416.89	101.84	-	101.84	518.73
2Q2020	264.89	114.86	-	114.87	379.75
3Q2020
Light fuel oil for industry (per 1000 litres)					Light fuel oil for households (per 1000 litres)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	457.11	47.36	-	47.36	504.47	529.91	47.36	77.93	125.29	655.20
2010	617.81	47.36	-	47.36	665.17	663.30	68.01	98.73	166.74	830.04
2011	772.92	47.36	-	47.36	820.28	804.41	88.66	120.57	209.23	1 013.64
2012	850.49	47.36	-	47.36	897.85	881.99	88.66	131.04	219.70	1 101.69
2013	819.39	47.36	-	47.36	866.75	850.88	88.66	126.84	215.50	1 066.38
2014	736.37	47.36	-	47.35	783.72	764.47	92.07	115.63	207.70	972.17
2015	473.53	47.36	-	47.36	520.89	491.41	102.28	80.15	182.43	673.84
2016	384.17	122.28	-	122.28	506.45	384.15	122.28	68.37	190.65	574.80
2017	433.22	122.28	-	122.28	555.50	433.22	122.28	75.00	197.28	630.49
2018	517.53	122.28	-	122.28	639.81	517.53	122.28	86.38	208.66	726.19
2019	507.09	122.28	-	122.28	629.37	507.09	122.28	84.97	207.25	714.32
3Q2019	496.65	122.28	-	122.28	618.93	496.65	122.28	83.56	205.84	702.48
4Q2019	520.88	122.28	-	122.28	643.16	520.88	122.28	86.83	209.11	729.98
1Q2020	481.23	122.28	-	122.28	603.51	481.23	122.28	81.47	203.75	684.98
2Q2020	300.28	132.61	-	132.61	432.89	300.28	132.61	58.44	191.05	491.33
3Q2020
Automotive diesel for commercial use (per litre)					Automotive diesel for non-commercial use (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.444	0.399	-	0.399	0.843	0.444	0.399	0.177	0.576	1.019
2010	0.559	0.436	-	0.436	0.995	0.559	0.436	0.209	0.645	1.205
2011	0.718	0.450	-	0.450	1.168	0.718	0.450	0.245	0.696	1.413
2012	0.786	0.479	-	0.479	1.264	0.786	0.479	0.291	0.770	1.555
2013	0.754	0.479	-	0.479	1.233	0.754	0.479	0.284	0.763	1.517
2014	0.703	0.479	-	0.479	1.182	0.703	0.479	0.272	0.751	1.454
2015	0.541	0.479	-	0.479	1.020	0.541	0.479	0.235	0.714	1.254
2016	0.437	0.499	-	0.499	0.936	0.437	0.499	0.215	0.714	1.151
2017	0.512	0.499	-	0.499	1.011	0.512	0.499	0.232	0.731	1.243
2018	0.592	0.499	-	0.499	1.091	0.592	0.499	0.251	0.750	1.342
2019	0.573	0.503	-	0.503	1.076	0.573	0.503	0.248	0.751	1.324
3Q2019	0.568	0.499	-	0.499	1.067	0.568	0.499	0.245	0.744	1.312
4Q2019	0.562	0.515	-	0.515	1.077	0.562	0.515	0.248	0.763	1.325
1Q2020	0.550	0.515	-	0.515	1.065	0.550	0.515	0.245	0.760	1.310
2Q2020	0.417	0.515	-	0.515	0.932	0.417	0.515	0.214	0.729	1.147
3Q2020

IRELAND**Table 2 - Average prices and taxes in euros**

Premium unleaded (98 RON) gasoline (per litre)						Premium unleaded (95 RON) gasoline (per litre)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.400	0.509	0.191	0.700	1.100
2010	0.533	0.542	0.226	0.768	1.301
2011	0.681	0.544	0.257	0.802	1.482
2012	0.727	0.588	0.302	0.890	1.617
2013	0.706	0.588	0.298	0.885	1.591
2014	0.653	0.588	0.286	0.873	1.527
2015	0.523	0.588	0.256	0.843	1.366
2016	0.433	0.608	0.239	0.847	1.280
2017	0.503	0.608	0.255	0.863	1.366
2018	0.562	0.608	0.269	0.877	1.439
2019	0.531	0.612	0.263	0.874	1.405
3Q2019	0.546	0.608	0.265	0.873	1.420
4Q2019	0.536	0.622	0.266	0.888	1.424
1Q2020	0.518	0.622	0.262	0.884	1.402
2Q2020	0.378	0.621	0.230	0.851	1.230
3Q2020
Premium leaded/lead replacement gasoline (per litre)						Natural gas for industry (per megawatt hour GCV)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	x	x	x	x	x	29.92	-	-	-	29.92
2010	x	x	x	x	x	25.92	2.08	-	2.08	27.99
2011	x	x	x	x	x	28.79	2.77	-	2.77	31.56
2012	x	x	x	x	x	32.07	3.39	-	3.39	35.46
2013	x	x	x	x	x	35.27	3.70	-	3.70	38.97
2014	x	x	x	x	x	32.94	3.70	-	3.70	36.64
2015	x	x	x	x	x	28.64	3.70	-	3.70	32.34
2016	x	x	x	x	x	27.19	3.70	-	3.70	30.89
2017	x	x	x	x	x	28.38	3.70	-	3.70	32.08
2018	x	x	x	x	x	31.67	3.70	-	3.70	35.37
2019	x	x	x	x	x	32.39	3.70	-	3.70	36.09
3Q2019	x	x	x	x	x	30.02	3.70	-	3.70	33.72
4Q2019	x	x	x	x	x	33.06	3.70	-	3.70	36.76
1Q2020	x	x	x	x	x	36.43	3.70	-	3.70	40.13
2Q2020	x	x	x	x	x	35.23	4.71	-	4.71	39.94
3Q2020	x	x	x	x	x
Natural gas for electricity generation (per megawatt hour GCV)						Natural gas for households (per megawatt hour GCV)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	c	c	c	c	c	55.46	-	7.49	7.49	62.95
2010	c	c	c	c	c	47.06	2.08	6.63	8.71	55.77
2011	c	c	c	c	c	48.30	2.77	6.89	9.66	57.96
2012	c	c	c	c	c	56.07	3.39	8.03	11.42	67.49
2013	c	c	c	c	c	60.67	3.70	8.69	12.39	73.05
2014	c	c	c	c	c	63.23	3.70	9.04	12.74	75.97
2015	c	c	c	c	c	60.23	3.70	8.63	12.33	72.56
2016	c	c	c	c	c	59.91	3.70	8.59	12.29	72.20
2017	c	c	c	c	c	57.51	3.70	8.26	11.96	69.48
2018	c	c	c	c	c	62.00	3.70	8.87	12.57	74.57
2019	c	c	c	c	c	63.16	3.70	9.03	12.73	75.89
3Q2019	c	c	c	c	c	76.54	3.70	10.83	14.53	91.07
4Q2019	c	c	c	c	c	60.47	3.70	8.66	12.36	72.83
1Q2020	c	c	c	c	c	58.93	3.70	8.46	12.16	71.09
2Q2020	c	c	c	c	c	60.06	4.71	8.74	13.45	73.51
3Q2020	c	c	c	c	c

IRELAND**Table 3 - Average prices and taxes in euros**

Steam coal for industry (per tonne)					Steam coal for electricity generation (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	c	c	c	c	c
2010	c	c	c	c	c
2011	c	c	c	c	c
2012	c	c	c	c	c
2013	c	c	c	c	c
2014	c	c	c	c	c
2015	c	c	c	c	c
2016	c	c	c	c	c
2017	c	c	c	c	c
2018	c	c	c	c	c
2019	c	c	c	c	c
3Q2019	c	c	c	c	c
4Q2019	c	c	c	c	c
1Q2020	c	c	c	c	c
2Q2020	c	c	c	c	c
3Q2020	c	c	c	c	c
Steam coal for households (per tonne)					Coking coal for industry (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	351.10	-	47.40	47.40	398.50	x	x	x	x	x
2010	341.13	-	46.05	46.05	387.19	x	x	x	x	x
2011	333.72	-	45.05	45.05	378.78	x	x	x	x	x
2012	331.88	-	44.80	44.80	376.68	x	x	x	x	x
2013	341.71	14.85	48.14	62.99	404.70	x	x	x	x	x
2014	349.38	40.68	52.66	93.33	442.71	x	x	x	x	x
2015	346.09	52.67	53.83	106.50	452.59	x	x	x	x	x
2016	350.76	52.67	54.46	107.13	457.89	x	x	x	x	x
2017	356.36	52.67	55.22	107.89	464.25	x	x	x	x	x
2018	371.90	52.67	57.32	109.99	481.88	x	x	x	x	x
2019	374.33	52.67	57.65	110.32	484.65	x	x	x	x	x
3Q2019	374.54	52.67	57.67	110.34	484.88	x	x	x	x	x
4Q2019	376.85	52.67	57.99	110.66	487.51	x	x	x	x	x
1Q2020	366.17	52.67	56.54	109.21	475.38	x	x	x	x	x
2Q2020	356.87	62.65	56.64	119.28	476.16	x	x	x	x	x
3Q2020	x	x	x	x	x
Electricity for industry (per megawatt hour)					Electricity for households (per megawatt hour)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	121.6	-	-	-	121.6	161.7	-	21.8	21.8	183.6
2010	103.6	-	-	-	103.6	154.8	-	20.9	20.9	175.6
2011	109.5	-	-	-	109.5	164.3	-	22.2	22.2	186.5
2012	120.7	-	-	-	120.7	185.3	-	25.0	25.0	210.3
2013	130.6	-	-	-	130.6	194.2	-	26.2	26.2	220.5
2014	125.4	-	-	-	125.4	202.7	-	27.4	27.4	230.1
2015	119.3	-	-	-	119.3	200.4	-	27.1	27.1	227.5
2016	107.0	-	-	-	107.0	193.5	-	26.1	26.1	219.6
2017	109.9	-	-	-	109.9	187.6	-	25.3	25.3	213.0
2018	108.9	-	-	-	108.9	191.7	-	25.9	25.9	217.6
2019	115.1	-	-	-	115.1	203.5	-	27.5	27.5	231.0
3Q2019	109.4	-	-	-	109.4	214.6	-	29.0	29.0	243.5
4Q2019	116.5	-	-	-	116.5	204.9	-	27.7	27.7	232.6
1Q2020	115.4	-	-	-	115.4	199.6	-	26.9	26.9	226.5
2Q2020	107.1	-	-	-	107.1	203.8	-	27.5	27.5	231.3
3Q2020

IRELAND**Table 4 - Indices of energy prices**

	Oil products		Electricity		Natural gas		Coal	
	Wholesale 2015=100	Retail 1995 = 100	Wholesale 2015 = 100	Retail 1995 = 100	Wholesale	Retail 1995 = 100	Wholesale	Retail 1995 = 100
1999	43.0	112.8	55.8	105.1	..	100.0	..	106.5
2000	57.0	139.0	55.9	105.1	..	100.0	..	112.9
2001	53.7	128.1	57.8	106.1	..	100.0	..	125.3
2002	53.6	131.2	63.4	114.6	..	100.0	..	128.1
2003	56.7	133.3	67.2	126.9	..	105.9	..	130.1
2004	60.0	147.0	72.4	136.0	..	111.1	..	134.4
2005	72.8	165.7	80.9	153.9	..	129.8	..	145.0
2006	80.9	177.9	86.7	160.3	..	165.9	..	157.4
2007	83.9	178.9	96.7	178.9	..	182.1	..	173.0
2008	100.7	200.9	99.0	183.2	..	180.1	..	195.1
2009	84.9	171.5	97.6	185.6	..	183.4	..	215.4
2010	102.4	206.3	100.9	179.2	..	158.7	..	206.8
2011	115.3	239.3	114.1	191.0	..	169.1	..	207.0
2012	122.3	261.0	118.2	212.6	..	199.9	..	207.6
2013	118.4	252.9	121.1	224.5	..	213.7	..	217.3
2014	114.2	242.7	108.0	232.5	..	218.3	..	237.0
2015	100.0	212.1	100.0	232.1	..	213.3	..	246.0
2016	94.9	194.3	82.6	223.9	..	208.2	..	244.5
2017	102.6	209.0	89.2	221.7	..	203.2	..	243.0
2018	109.4	225.9	117.4	237.3	..	213.7	..	245.9
2019	109.4	224.5	92.8	244.9	..	229.0	..	251.8
3Q2012	123.9	263.5	114.8	211.2	..	197.0	..	208.3
4Q2012	120.7	261.4	125.6	223.5	..	212.7	..	206.1
1Q2013	120.7	257.2	132.6	223.5	..	212.7	..	205.6
2Q2013	117.3	252.4	115.0	223.5	..	212.7	..	215.3
3Q2013	118.8	254.0	114.9	223.5	..	212.7	..	220.2
4Q2013	116.8	247.8	122.0	227.5	..	216.7	..	228.2
1Q2014	116.3	245.1	122.3	231.2	..	216.7	..	228.9
2Q2014	117.1	245.2	99.7	231.9	..	218.9	..	236.5
3Q2014	116.1	247.6	97.1	231.9	..	218.9	..	240.3
4Q2014	107.5	233.1	112.8	235.3	..	218.9	..	242.0
1Q2015	100.8	207.6	109.3	234.1	..	218.9	..	245.9
2Q2015	105.8	222.9	99.8	232.6	..	212.2	..	245.9
3Q2015	99.1	216.2	96.8	232.6	..	212.2	..	246.4
4Q2015	94.2	201.5	94.1	229.1	..	209.7	..	245.7
1Q2016	88.1	183.8	80.0	227.3	..	208.6	..	245.6
2Q2016	94.6	194.6	75.9	227.3	..	208.5	..	244.4
3Q2016	96.4	196.2	73.5	221.4	..	207.5	..	244.4
4Q2016	100.4	202.6	101.0	219.6	..	208.2	..	243.5
1Q2017	103.6	212.7	98.2	219.6	..	202.6	..	243.0
2Q2017	101.8	208.0	77.2	219.6	..	202.6	..	243.0
3Q2017	100.5	203.0	78.3	219.6	..	202.6	..	243.0
4Q2017	104.3	212.2	102.9	228.1	..	205.1	..	243.0
1Q2018	104.7	214.5	112.3	233.0	..	206.6	..	244.0
2Q2018	110.0	223.3	107.4	234.5	..	206.6	..	244.0
3Q2018	111.6	231.3	116.5	244.6	..	218.0	..	244.0
4Q2018	111.4	234.4	133.3	236.9	..	223.7	..	251.4
1Q2019	108.7	216.5	112.7	240.2	..	227.5	..	250.5
2Q2019	110.1	229.3	87.0	246.7	..	231.0	..	251.6
3Q2019	109.4	224.1	86.1	246.7	..	231.0	..	251.6
4Q2019	109.2	228.0	85.3	246.0	..	226.7	..	253.6
1Q2020	103.5	225.7	67.4	246.0	..	226.7	..	254.0
2Q2020	91.0	198.5	47.7	241.2	..	217.8	..	254.6
3Q2020

IRELAND

Sources

Data for all energy products, including energy price indices, are provided on a quarterly basis by the **Sustainable Energy Authority of Ireland (SEAI)**.

Data collection methodology

From 2Q2000 onwards, prices refer to mid-month, averaged over three months. From 4Q1985 to 1Q2000, prices refer to the second month of each quarter. Prior to 4Q1985, prices refer to the first month of each quarter.

Oil products

For heavy fuel oil for electricity generation, prices refer to fuel purchased in the quarter, from 1Q2009 onwards. Prices refer to list prices per litre converted to tonnes with all taxes included. Discounts are not included in these prices and may be applied by the companies.

For fuel oil for industry, prices refer to average prices, from 2Q2016 onwards. Discounts and rebates are not accounted for in the prices but may be applied by the companies. From 1Q1983 to 1Q2016, prices take into account the average rebate for medium-sized industries. Prior to 1Q1983, prices shown are maximum prices.

For fuel oil for households, prices refer to average prices, from 2Q1984 onwards. A large number of Irish home heating oil is kerosene rather than heating gasoil. The final prices are calculated based on domestic kerosene prices taken from www.cheapestoil.ie, a website that covers the whole of Ireland. The difference between list prices for kerosene and gasoil, provided on a voluntary basis by three large oil companies, is added to the calculated average kerosene price to determine average prices.

For automotive diesel and gasoline, end-use prices refer to the retail pump prices displayed at the filling stations, including all taxes. They are calculated as arithmetic average of the weekly prices published at www.pumps.ie, a website where customers input prices seen at fuel stations around Ireland. It is updated by consumers on a continuous basis.

Price control mechanisms for transport fuels were abolished on 1 October 1991. The obligation for retailers to buy 20% of fuels from domestic refineries was abolished in July 2001.

Natural gas

From 2Q1983 onwards, prices refer to Dublin and other areas in line with the historic expansion of the gas grid. Prior to 2Q1983, prices refer to Cork city, the only area with natural gas at the time.

For industry, prices refer to average revenues per MWh for all industrial and commercial sales.

For electricity generation, prices refer to the average expenditure of electrical power plants on gas purchased for public supply. These prices are currently confidential.

For households, prices refer to the average revenues per MWh, including standing charges.

All natural gas suppliers in the country are surveyed every quarter.

Steam and coking coal

Steam coal prices for households are collected quarterly under the SEAI Fuel Cost Comparison Survey, which covers major coal suppliers only and includes all applicable taxes and levies. Domestic sales of coal are collected monthly through a survey conducted under the EU Energy Statistics Regulation and used as weights to calculate average quarterly and annual prices. Ex-tax prices are calculated by subtracting VAT and the applicable excise taxes from the end-use prices.

Steam coal prices for households refer to the average price for coal delivered to households in Dublin. The type of coal varies over time according to supply. Blended coal types also occur. From 1 September 1990 onwards, bituminous coal is banned from sale in the Dublin area.

Since 2009, there is only one power plant in Ireland using steam coal for electricity generation and prices are therefore confidential.

Electricity

Prices of electricity are weighted averages of the prices charged by suppliers, using suppliers' market shares as weights. All electricity suppliers in the country are surveyed every quarter.

Electricity prices for industry refer to average revenues per MWh received by utilities from all high-voltage consumers (all industrial sectors).

Electricity prices for households refer to average revenues per MWh received by utilities from all low-voltage consumers.

Energy price indices

Quarterly wholesale indices are calculated by summing the indices for the three months in each quarter and calculating an average index.

Quarterly retail indices refer to those of mid-February, mid-May, mid-August, and mid-November of each year.

Annual indices are averages of the four quarters of the year.

Wholesale and retail indices for oil products include domestic heating oil, gasoline, automotive diesel and motor oil. Automotive LPG is included up to December 2001.

Retail prices for electricity, natural gas and coal refer to prices for households.

Energy taxation

VAT

VAT is refunded for purchases for commercial purposes. Therefore, it is not included in prices shown for the industrial and electricity generation sectors, as well as for automotive fuels for commercial use. A higher VAT rate applies to automotive diesel and gasoline sales.

From	To	General		Automotive diesel Gasoline	
		%	%	%	%
01.03.91	31.12.00	12.5		21.0	
01.01.01	28.02.02	12.5		20.0	
01.03.02	31.12.02	12.5		21.0	
01.01.03	30.11.08	13.5		21.0	
01.12.08	31.12.09	13.5		21.5	
01.01.10	31.12.11	13.5		21.0	
01.01.12	now	13.5		23.0	

Excise tax

Excise taxes on commercial energy products in Ireland are levied in accordance with the 2003 EU Energy Taxation Directive.

Tax applicability table (not exhaustive)

	HSFO/LSFO	LFO	Diesel	Gasoline	LPG	Natural gas	Steam coal	Coking coal	Electricity
Mineral oil tax	x	x	x	x	x				
NORA levy	x	x	x	x					
Natural gas carbon tax						x			
Solid fuel carbon tax							x	x	
Electricity tax									x

Mineral oil tax

Excise duties levied on the sale of mineral oils in Ireland are legally defined in Chapter 1 of Part 2 of the Finance Act 1999. This tax came into force on 1 January 2000.

Currently, the rates for each oil product covered by this tax consist of a non-carbon component and a carbon charge. The effective rates are the sum of both components.

The carbon component of this tax was introduced for gasoline and diesel on 10 December 2009. The tax was subsequently extended to all other non-transport oil products on 1 May 2010.

NORA levy

The National Oil Reserves Agency (NORA) was established as a stand-alone agency under the NORA Act 2007. Its function is to arrange for the holding of national strategic oil stocks at a level determined annually by the Ministry, for supply in an emergency.

The levy is paid by oil marketing companies and oil consumers on their relevant disposals of oil products in the State. Currently the NORA levy applies to most oil products except LPG.

Historically averaging 0.00476 EUR/l, the levy was increased to 0.01 EUR/l on 1 November 2007 and to 0.02 EUR/l on 1 October 2009.

Natural gas carbon tax

The natural gas carbon tax in Ireland is legally defined in Chapter 2 of Part 3 of the Finance Act 2010 (as amended). The Natural Gas Carbon Tax Regulations 2010 deal with administration aspects of the tax. This tax came into force on 1 May 2010.

The current tax rate is derived from the rate of 26 EUR per tonne of CO₂ emitted that has been applied to fuels.

Natural gas for electricity generation, chemical reductions, and electrolytic and metallurgical processes is exempted from this tax.

A partial relief from the tax is granted for natural gas delivered for use in an installation that is covered by a greenhouse gas emissions permit issued by the Environmental Protection Agency (EPA).

Solid fuel carbon tax

The Solid fuel gas carbon tax in Ireland is legally defined in Chapter 2 of Part 3 of the Finance Act 2010, and amendments. This tax came into force on 1 May 2013.

The current tax rate is derived from the rate of 26 EUR per tonne of CO₂ emitted that generally applies to fuels.

Coal used for electricity generation is exempt from this tax.

A partial relief from the tax is granted for coal used in an installation that is covered by a greenhouse gas emissions permit issued by the Environmental Protection Agency (EPA).

Electricity tax

The Electricity tax in Ireland is legally defined in Chapter 1 of Part 2 of the Finance Act 2008 (as amended). This tax came into force on 1 October 2008.

Electricity used in households and chemical reduction, in electrolytic or metallurgical processes, is exempted from this tax.

Mineral oil tax

From	To	Heavy fuel oil (EUR/tonne)	Light fuel oil <i>households</i> (EUR/1000l)	Light fuel oil <i>industry</i> (EUR/1000l)	Automotive diesel (EUR/l)	Gasoline (EUR/l)
07.12.00	05.12.01	n.a.	n.a.	32.12	0.249	0.349
06.12.01	04.12.02	n.a.	n.a.	32.12	0.302	0.401
05.12.02	03.12.03	n.a.	n.a.	32.12	0.327	0.401
04.12.03	14.10.08	n.a.	n.a.	32.12	0.368	0.443
15.10.08	08.04.09	n.a.	n.a.	32.12	0.368	0.509
09.04.09	09.12.09	n.a.	n.a.	32.12	0.409	0.509
10.12.09	30.04.10	n.a.	n.a.	37.36	0.449	0.543
01.05.10	07.12.10	n.a.	88.66	88.66	0.449	0.543
08.12.10	06.12.11	n.a.	88.66	88.66	0.466	0.576
07.12.11	30.04.12	n.a.	88.66	88.66	0.479	0.588
01.05.12	08.10.19	80.74	102.28	102.28	0.479	0.588
09.10.19	30.04.20	80.74	102.28	102.28	0.495	0.602
01.05.20	now	100.28	117.78	117.78	0.495	0.602

Natural gas and solid fuel carbon tax

From	To	Natural gas (EUR/MWh)	Coal (EUR/tonne)
01.05.10	30.04.10	2.77	
01.05.12	30.04.13	3.70	
01.05.13	30.04.14	3.70	26.33
01.05.14	30.04.20	3.70	52.67
01.05.20	now	4.71	68.48

Electricity tax

From	To	Electricity <i>industry</i> (EUR/MWh)
01.10.08	now	0.5

Product specifications

	High sulphur fuel oil	Light fuel oil <i>industry</i>	Natural gas	Coking coal
Quality	Heavy fuel oil with sulphur content of 1% or higher.			Smokeless coal
Density (kg/l)	0.94	0.845		
Sulphur content (%)	> 1			

	High sulphur fuel oil	Light fuel oil <i>industry</i>	Natural gas	Coking coal
Lead content (g/l)				
NCV (kcal/kg)	9 849	10 344		
GCV (kcal/m ³)			9 412	
Delivery size	25 tonnes	≥ 5 000 l		

ISRAEL**Table 1 - Average prices and taxes in new Israeli sheqels**

High sulphur fuel oil for industry (per tonne)					Heavy fuel oil for electricity generation (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	c	14	-	14	c	1 589	14	-	14	1 603
2010	c	14	-	14	c	1 838	14	-	14	1 852
2011	c	15	-	15	c	2 735	14	-	14	2 749
2012	c	15	-	15	c	3 088	15	-	15	3 103
2013	c	15	-	15	c	x	15	-	15	x
2014	c	15	-	15	c	x	15	-	15	x
2015	c	15	-	15	c	x	15	-	15	x
2016	c	15	-	15	c	x	15	-	15	x
2017	c	15	-	15	c	x	15	-	15	x
2018	c	15	-	15	c	x	15	-	15	x
2019	c	15	-	15	c	x	15	-	15	x
3Q2019	c	15	-	15	c	x	15	-	15	x
4Q2019	c	15	-	15	c	x	15	-	15	x
1Q2020	c	15	-	15	c	x	15	-	15	x
2Q2020	c	15	-	15	c	x	15	-	15	x
3Q2020	c	c	x	x
Light fuel oil for industry (per 1000 litres)					Light fuel oil for households (per 1000 litres)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	c	c	2 248	2 207	715	2 922	5 170
2010	c	c	2 627	2 505	821	3 326	5 954
2011	c	c	3 461	2 793	1 001	3 793	7 254
2012	c	c	3 900	2 849	1 102	3 951	7 851
2013	c	c	3 491	2 895	1 122	4 017	7 507
2014	c	c	3 252	2 929	1 113	4 042	7 294
2015	c	c	2 364	2 915	950	3 866	6 229
2016	c	c	2 024	2 891	836	3 727	5 751
2017	c	c	2 172	2 893	861	3 754	5 926
2018	c	c	2 600	2 911	937	3 848	6 448
2019	c	c	2 429	2 941	913	3 854	6 283
3Q2019	c	c	2 385	2 943	906	3 849	6 234
4Q2019	c	c	2 428	2 945	914	3 859	6 287
1Q2020	c	c	2 265	2 945	886	3 831	6 096
2Q2020	c	c	1 365	2 943	732	3 676	5 041
3Q2020	c	c
Automotive diesel for commercial use (per litre)					Automotive diesel for non-commercial use (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	c	2.21	-	2.21	c	3.07	2.21	0.85	3.05	6.13
2010	c	2.50	-	2.50	c	3.19	2.50	0.91	3.42	6.60
2011	c	2.79	-	2.79	c	3.77	2.79	1.05	3.84	7.62
2012	c	2.85	-	2.85	c	3.96	2.85	1.11	3.96	7.92
2013	c	2.90	-	2.90	c	3.59	2.90	1.14	4.03	7.62
2014	c	2.93	-	2.93	c	3.38	2.93	1.13	4.06	7.44
2015	c	2.92	-	2.92	c	2.48	2.92	0.97	3.89	6.37
2016	c	2.88	-	2.89	c	2.05	2.89	0.84	3.73	5.79
2017	c	2.89	-	2.89	c	2.30	2.89	0.88	3.78	6.08
2018	c	2.91	-	2.91	c	2.82	2.91	0.97	3.89	6.71
2019	c	2.94	-	2.94	c	2.73	2.94	0.96	3.91	6.63
3Q2019	c	2.94	-	2.94	c	2.71	2.94	0.96	3.90	6.61
4Q2019	c	2.95	-	2.95	c	2.73	2.95	0.96	3.91	6.64
1Q2020	c	2.95	-	2.95	c	2.53	2.95	0.93	3.88	6.41
2Q2020	c	2.94	-	2.94	c	1.79	2.94	0.80	3.75	5.54
3Q2020	c	c

ISRAEL**Table 2 - Average prices and taxes in new Israeli sheqels**

Premium leaded/lead replacement gasoline (per litre)						Premium unleaded (98 RON) gasoline (per litre)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	x	x	x	x	x	x	x	x	x	x
2010	x	x	x	x	x	x	x	x	x	x
2011	x	x	x	x	x	x	x	x	x	x
2012	x	x	x	x	x	x	x	x	x	x
2013	x	x	x	x	x	x	x	x	x	x
2014	x	x	x	x	x	x	x	x	x	x
2015	x	x	x	x	x	x	x	x	x	x
2016	x	x	x	x	x	x	x	x	x	x
2017	x	x	x	x	x	x	x	x	x	x
2018	x	x	x	x	x	x	x	x	x	x
2019	x	x	x	x	x	x	x	x	x	x
3Q2019	x	x	x	x	x	x	x	x	x	x
4Q2019	x	x	x	x	x	x	x	x	x	x
1Q2020	x	x	x	x	x	x	x	x	x	x
2Q2020	x	x	x	x	x	x	x	x	x	x
3Q2020	x	x	x	x	x	x	x	x	x	x
Premium unleaded (95 RON) gasoline (per litre)						Natural gas for industry (per megawatt hour GCV)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	2.47	2.64	0.82	3.46	5.93	c	c
2010	2.87	2.82	0.91	3.73	6.60	c	c
2011	3.51	2.89	1.02	3.91	7.43	c	c
2012	3.73	2.93	1.09	4.02	7.76	c	c
2013	3.23	3.02	1.14	4.41	7.64	c	c
2014	3.27	3.06	1.14	4.20	7.47	c	c
2015	2.39	3.04	0.98	4.02	6.41	c	c
2016	2.12	3.02	0.87	3.89	6.01	c	c
2017	2.22	3.02	0.89	3.91	6.13	c	c
2018	2.54	3.04	0.95	3.99	6.53	c	c
2019	2.36	3.04	0.92	3.95	6.31	c	c
3Q2019	2.34	3.07	0.92	3.99	6.33	c	c
4Q2019	2.30	3.07	0.91	3.99	6.29	c	c
1Q2020	2.19	3.07	0.90	3.97	6.16	c	c
2Q2020	1.30	3.07	0.74	3.82	5.12	c	c
3Q2020	c	c
Natural gas for electricity generation (per megawatt hour GCV)						Natural gas for households (per megawatt hour GCV)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	108.29	2.49	-	2.49	110.79	x	x	x	x	x
2010	137.46	2.54	-	2.54	140.00	x	x	x	x	x
2011	147.14	2.54	-	2.54	149.69	x	x	x	x	x
2012	161.17	2.28	-	2.28	163.45	x	x	x	x	x
2013	..	2.57	-	2.57	..	x	x	x	x	x
2014	..	2.38	-	2.38	..	x	x	x	x	x
2015	..	2.43	-	2.43	..	x	x	x	x	x
2016	..	2.38	-	2.38	..	x	x	x	x	x
2017	..	2.39	-	2.39	..	x	x	x	x	x
2018	..	2.41	-	2.41	..	x	x	x	x	x
2019	..	2.43	-	2.43	..	x	x	x	x	x
3Q2019	..	2.46	-	2.46	..	x	x	x	x	x
4Q2019	..	2.43	-	2.43	..	x	x	x	x	x
1Q2020	..	2.50	-	2.50	..	x	x	x	x	x
2Q2020	x	x	x	x	x
3Q2020	x	x	x	x	x

ISRAEL**Table 3 - Average prices and taxes in new Israeli sheqels**

Steam coal for industry (per tonne)						Steam coal for electricity generation (per tonne)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	x	x	x	x	x	473.3	8.5	-	8.5	481.8
2010	x	x	x	x	x	352.8	8.7	-	8.7	361.6
2011	x	x	x	x	x	460.0	43.8	-	43.8	503.7
2012	x	x	x	x	x	468.7	44.6	-	44.6	513.2
2013	x	x	x	x	x	..	45.3	-	45.3	..
2014	x	x	x	x	x	..	45.9	-	45.9	..
2015	x	x	x	x	x	..	45.7	-	45.7	..
2016	x	x	x	x	x	..	45.3	-	45.3	..
2017	x	x	x	x	x	..	45.3	-	45.3	..
2018	x	x	x	x	x	..	45.6	-	45.6	..
2019	x	x	x	x	x	..	46.1	-	46.1	..
3Q2019	x	x	x	x	x	..	46.1	-	46.1	..
4Q2019	x	x	x	x	x	..	46.1	-	46.1	..
1Q2020	x	x	x	x	x	..	46.1	-	46.1	..
2Q2020	x	x	x	x	x	..	46.1	-	46.1	..
3Q2020	x	x	x	x	x
Steam coal for households (per tonne)						Coking coal for industry (per tonne)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	x	x	x	x	x	x	x	x	x	x
2010	x	x	x	x	x	x	x	x	x	x
2011	x	x	x	x	x	x	x	x	x	x
2012	x	x	x	x	x	x	x	x	x	x
2013	x	x	x	x	x	x	x	x	x	x
2014	x	x	x	x	x	x	x	x	x	x
2015	x	x	x	x	x	x	x	x	x	x
2016	x	x	x	x	x	x	x	x	x	x
2017	x	x	x	x	x	x	x	x	x	x
2018	x	x	x	x	x	x	x	x	x	x
2019	x	x	x	x	x	x	x	x	x	x
3Q2019	x	x	x	x	x	x	x	x	x	x
4Q2019	x	x	x	x	x	x	x	x	x	x
1Q2020	x	x	x	x	x	x	x	x	x	x
2Q2020	x	x	x	x	x	x	x	x	x	x
3Q2020	x	x	x	x	x	x	x	x	x	x
Electricity for industry (per megawatt hour)						Electricity for households (per megawatt hour)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	379.0	-	-	-	379.0	461.0	-	76.1	76.1	537.1
2010	324.0	-	-	-	324.0	449.3	-	72.0	72.0	521.7
2011	346.8	-	-	-	346.8	458.3	-	73.3	73.3	531.7
2012	415.4	-	-	-	415.4	501.1	-	82.0	82.0	583.7
2013	438.0	-	-	-	438.0	526.3	-	92.6	92.6	618.9
2014	422.5	-	-	-	422.5	534.1	-	96.1	96.1	630.2
2015	353.8	-	-	-	353.8	482.3	-	86.8	86.8	569.1
2016	328.4	-	-	-	328.4	455.8	-	77.5	77.5	533.2
2017	337.8	-	-	-	337.8	472.4	-	80.3	80.3	552.7
2018
2019
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020

ISRAEL

Sources

Data for all energy products are provided on a quarterly basis by the **Central Bureau of Statistics (CBS)**.

Data collection methodology

The statistical data for Israel are supplied by and on the responsibility of the relevant Israeli authorities. The use of such data by the OECD is without prejudice to the status of the Golan Heights, East Jerusalem and Israeli settlements in the West Bank under the terms of international law.

The electricity sector is dominated by one company, the Israel Electric Corporation (IEC), which produces about 90% of the country's electricity. Additionally, some smaller power companies purchase electricity from or sell it to the IEC, or to final consumers.

Prices for heavy fuel oil, steam coal and natural gas for electricity generation are based on IEC reports, which provide the best available estimate since no supply side data are available.

Oil products

For heavy fuel oil for electricity generation, prices are based on a quarterly report by the IEC.

The IEC used to be the main user of heavy fuel oil in Israel. As of 2004, following the beginning of natural gas supply, natural gas gradually replaced fuel oil and gas oil for electricity generation. This trend was interrupted in two years: 2011 due to the interruption of imports; and 2012 because of depletion of the fields (see the section on natural gas below). As of 2013, once natural gas supply began from new fields, no major consumption of heavy fuel oil was expected for electricity generation by the IEC. Minor quantities of fuel oil are expected to be used for operational needs.

For premium leaded (96 RON) gasoline, prices are not available since 2009.

Natural gas

Natural gas is used primarily for electricity generation, and the IEC is its main consumer.

Production and supply began in February 2004. Imports from Egypt started in May 2014. Since March 2012, following supply interruptions, imports from Egypt ceased.

During 2012, there was a depletion of Israeli fields leading to a severe supply shortage. From 2013 onwards, the shortage was partially replaced by imports of liquefied natural gas (LNG). As of 2013, natural gas supply began from new Israeli fields and has been growing constantly since then.

Steam and coking coal

Coal is used almost entirely for electricity generation by the IEC.

Electricity

Electricity prices for industry and households are calculated by CBS based on the proportion of electricity sold by the IEC each month.

There are no prices available for electricity sold by small electricity producers, either to industry or to households.

Energy taxation

VAT

VAT (בָּטָחָה) applies to all energy products since its introduction in 1976. The VAT is refunded for purchases for commercial purposes. Therefore, it is not included in prices shown for the industrial and electricity generation sectors, as well as for automotive fuels for commercial use.

From	To	%
01.08.82	31.05.85	15.0
01.06.85	30.09.85	17.0
01.10.85	28.02.90	15.0
01.03.90	31.12.90	16.0
01.01.91	31.12.92	18.0
01.01.93	14.06.02	17.0
15.06.02	29.02.04	18.0
01.03.04	31.08.05	17.0
01.09.05	30.06.06	16.5
01.07.06	30.06.09	15.5
01.07.09	31.12.09	16.5
01.01.10	31.08.12	16.0
01.09.12	01.06.13	17.0
02.06.13	30.09.15	18.0
01.10.15	now	17.0

Excise tax

Excise taxation on commercial energy products consists of a single component.

Electricity consumption is not subject to excise taxation, but fuels used for electricity generation are, effectively functioning as a tax on electricity.

Tax applicability table (not exhaustive)

	HSFO	LFO	Diesel	Gasoline	LPG	Natural gas	Steam coal	Coking coal	Electricity
Excise taxes	*	*	*	*	*	*	*	*	

Excise duties (ל"ג)

Excise duties apply to oil products, natural gas and coal. Applicable rates are determined by the Customs and VAT department of the Ministry of Finance. In its current form, excise duties on commercial energy products are legally defined in the 2004 Law on Excise Duties on Fuels.

Excise duties (ל"ג)

From	To	Heavy fuel oil (NIS/tonne)	Light fuel oil (NIS/1000l)	Automotive diesel (NIS/l)	Gasoline (NIS/l)	Automotive LPG (NIS/l)	Natural gas (NIS/MWh)	Coal (NIS/tonne)
01.01.08	31.03.08	12.90	1683.93	1.6839			14.70	
01.04.08	30.06.08	12.95	1690.54	1.6905			14.76	
01.07.08	30.09.08	13.27	1731.85	1.7319			15.12	
01.10.08	31.12.08	13.55	2099.75	2.0998			15.44	
01.01.09	31.03.09	13.49	2089.94	2.0899			15.37	
01.04.09	30.06.09	13.39	2074.84	2.0748			15.26	
01.07.09	30.09.09	13.64	2114.03	2.1140			15.55	
01.10.09	31.12.09	13.97	2500.51	2.5005			15.93	
01.01.10	31.03.10	14.00	2505.27	2.5053			15.96	
01.04.10	31.08.10	13.87	2481.46	2.4815			15.81	
01.09.10	31.12.10	14.16	2533.85	2.5339			16.14	
01.01.11	13.02.11	14.32	2764.68	2.7647	3.0855	0.0615	16.32	43.29
14.02.11	30.04.11	14.32	2764.68	2.7647	2.8855	0.0615	16.32	43.29
01.05.11	31.07.11	14.47	2794.29	2.7943	2.9165	0.0622	16.49	43.75
01.08.11	31.08.11	14.47	2794.29	2.7943	2.6492	0.0622	16.49	43.75
01.09.11	30.09.11	14.64	2827.00	2.8270	2.8634	0.0629	16.68	44.26
01.10.11	31.12.11	14.64	2827.00	2.8270	2.9506	0.0629	16.68	44.26
01.01.12	29.02.12	14.68	2835.18	2.8352	2.9591	0.0631	16.73	44.39
01.03.12	31.03.12	14.68	2835.18	2.8352	2.8799	0.0631	16.73	44.39
01.04.12	30.04.12	14.68	2835.18	2.8352	2.7426	0.0631	16.73	44.39
01.05.12	30.06.12	14.74	2846.08	2.8461	2.8407	0.0633	16.79	44.54
01.07.12	31.08.12	14.74	2846.08	2.8461	2.9705	0.0633	16.79	44.54
01.09.12	31.12.13	14.84	2865.16	2.8652	2.9904	0.0638	16.90	44.86
01.01.13	30.04.13	14.90	2876.06	2.8761	3.0018	0.0640	16.96	45.03
01.05.13	31.08.13	14.93	2882.22	2.8822	3.0082	0.0641	17.00	45.13
01.09.13	31.12.13	15.17	2928.11	2.9281	3.0561	0.0652	17.27	45.85
01.01.14	30.04.14	15.18	2930.98	2.9310	3.0591	0.0652	17.29	45.89
01.05.14	31.08.14	15.12	2919.51	2.9195	3.0472	0.0650	17.22	45.71
01.09.14	31.12.14	15.21	2936.72	2.9367	3.0651	0.0653	17.32	45.98
01.01.15	30.04.15	15.17	2928.12	2.9281	3.0561	0.0652	17.27	45.85
01.05.15	31.08.15	14.97	2890.15	2.8902	3.0165	0.0643	17.05	45.26
01.09.15	31.12.15	15.17	2928.18	2.9282	3.0562	0.0652	17.27	45.86
01.01.16	30.04.16	15.03	2901.85	2.9019	3.0287	0.0646	17.11	45.45
01.05.16	31.08.16	14.86	2869.67	2.8804	2.9951	0.0639	16.92	44.95
01.09.16	31.12.16	15.07	2910.62	2.8833	3.0379	0.0648	17.16	45.59
01.01.17	30.04.17	14.98	2893.07	2.8931	3.0196	0.0648	17.06	45.32
01.05.17	31.08.17	14.99	2895.96	2.8959	3.0226	0.1194	17.08	45.37
01.09.17	31.12.17	14.96	2890.17	2.8901	3.0165	0.1191	17.05	45.28
01.01.18	31.08.18	15.02	2901.74	2.9017	3.0286	0.1196	17.12	45.46
01.09.18	31.12.18	15.17	2930.67	2.9307	3.0387		17.29	45.91

From	To	Heavy fuel oil (NIS/tonne)	Light fuel oil (NIS/1000l)	Automotive diesel (NIS/l)	Gasoline (NIS/l)	Automotive LPG (NIS/l)	Natural gas (NIS/MWh)	Coal (NIS/tonne)
01.01.19	30.04.19	15.2	2936.46	2.9365	3.06485		17.32	46
01.05.19	31.08.19	15.23	2942.45	2.9425	3.0711		17.36	46.09
01.09.19	31.12.19	15.25	2945.37	2.9454	3.07415		17.38	46.14
01.01.20	01.05.20	15.25	2945.37	2.9454	3.07415		17.38	46.14
01.05.20	now	15.23	2942.45	2.9425	3.0711		17.36	46.09

ITALY**Table 1 - Average prices and taxes in euros**

Low sulphur fuel oil for industry (per tonne)					High sulphur fuel oil for industry (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	299.60	31.39	-	31.39	330.99
2010	408.39	31.39	-	31.39	439.78
2011	528.31	31.39	-	31.39	559.70
2012	612.40	31.39	-	31.39	643.79
2013	542.56	31.39	-	31.39	573.95
2014	506.22	31.39	-	31.39	537.61
2015	354.76	31.39	-	31.39	386.15
2016	283.56	31.39	-	31.39	314.95
2017	350.57	31.39	-	31.39	381.96
2018	412.64	31.39	-	31.39	444.03
2019	451.81	31.39	-	31.39	483.20
3Q2019	448.62	31.39	-	31.39	480.01
4Q2019	457.32	31.39	-	31.39	488.71
1Q2020	449.84	31.39	-	31.39	481.23
2Q2020	292.12	31.39	-	31.39	323.51
3Q2020
Light fuel oil for industry (per 1000 litres)					Light fuel oil for households (per 1000 litres)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	464.89	403.21	-	403.21	868.10	464.89	403.21	173.62	576.83	1 041.72
2010	573.21	403.21	-	403.21	976.42	573.21	403.21	195.28	598.49	1 171.71
2011	722.71	403.21	-	403.21	1 125.92	722.71	403.21	228.45	631.66	1 354.37
2012	799.08	403.21	-	403.21	1 202.29	799.08	403.21	252.48	655.69	1 454.76
2013	767.58	403.21	-	403.21	1 170.79	767.58	403.21	248.79	652.00	1 420.80
2014	727.12	403.21	-	403.21	1 130.33	727.12	403.21	248.67	651.88	1 379.00
2015	553.77	403.21	-	403.21	956.98	553.77	403.21	210.54	613.75	1 167.51
2016	494.17	403.21	-	403.21	897.38	494.17	403.21	197.42	600.63	1 094.81
2017	554.21	403.21	-	403.21	957.42	554.21	403.21	210.63	613.84	1 168.05
2018	638.17	403.21	-	403.21	1 041.38	638.17	403.21	229.10	632.31	1 270.48
2019	667.77	403.21	-	403.21	1 070.98	667.77	403.21	235.62	638.83	1 306.60
3Q2019	662.98	403.21	-	403.21	1 066.19	662.98	403.21	234.56	637.77	1 300.75
4Q2019	676.22	403.21	-	403.21	1 079.43	676.22	403.21	237.47	640.68	1 316.90
1Q2020	639.55	403.21	-	403.21	1 042.76	639.55	403.21	229.41	632.62	1 272.17
2Q2020	493.18	403.21	-	403.21	896.39	493.18	403.21	197.21	600.42	1 093.60
3Q2020
Automotive diesel for commercial use (per litre)					Automotive diesel for non-commercial use (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.478	0.423	-	0.423	0.901	0.478	0.423	0.180	0.603	1.081
2010	0.590	0.423	-	0.423	1.013	0.590	0.423	0.203	0.626	1.216
2011	0.745	0.459	-	0.459	1.204	0.745	0.459	0.244	0.703	1.448
2012	0.804	0.606	-	0.606	1.410	0.804	0.606	0.296	0.902	1.706
2013	0.750	0.617	-	0.617	1.367	0.750	0.617	0.291	0.908	1.658
2014	0.700	0.619	-	0.619	1.320	0.700	0.619	0.290	0.910	1.610
2015	0.535	0.617	-	0.617	1.153	0.535	0.617	0.254	0.871	1.406
2016	0.434	0.617	-	0.617	1.051	0.434	0.617	0.231	0.849	1.282
2017	0.517	0.617	-	0.617	1.134	0.517	0.617	0.249	0.867	1.384
2018	0.603	0.617	-	0.617	1.220	0.603	0.617	0.268	0.886	1.488
2019	0.595	0.617	-	0.617	1.213	0.595	0.617	0.267	0.884	1.480
3Q2019	0.589	0.617	-	0.617	1.206	0.589	0.617	0.265	0.883	1.471
4Q2019	0.592	0.617	-	0.617	1.209	0.592	0.617	0.266	0.883	1.475
1Q2020	0.568	0.617	-	0.617	1.186	0.568	0.617	0.261	0.878	1.447
2Q2020	0.433	0.617	-	0.617	1.050	0.433	0.617	0.231	0.848	1.281
3Q2020

ITALY**Table 2 - Average prices and taxes in euros**

Premium unleaded (95 RON) gasoline (per litre)					Premium leaded/lead replacement gasoline (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.464	0.564	0.206	0.770	1.234	x	x	x	x	x
2010	0.573	0.564	0.227	0.791	1.364	x	x	x	x	x
2011	0.696	0.598	0.262	0.860	1.555	x	x	x	x	x
2012	0.760	0.717	0.310	1.027	1.787	x	x	x	x	x
2013	0.714	0.728	0.306	1.035	1.749	x	x	x	x	x
2014	0.673	0.730	0.309	1.039	1.712	x	x	x	x	x
2015	0.532	0.728	0.277	1.006	1.538	x	x	x	x	x
2016	0.455	0.728	0.260	0.989	1.444	x	x	x	x	x
2017	0.524	0.728	0.276	1.004	1.528	x	x	x	x	x
2018	0.583	0.728	0.288	1.017	1.599	x	x	x	x	x
2019	0.562	0.728	0.284	1.012	1.574	x	x	x	x	x
3Q2019	0.569	0.728	0.285	1.014	1.582	x	x	x	x	x
4Q2019	0.566	0.728	0.285	1.013	1.579	x	x	x	x	x
1Q2020	0.543	0.728	0.280	1.008	1.551	x	x	x	x	x
2Q2020	0.411	0.728	0.251	0.979	1.390	x	x	x	x	x
3Q2020	x	x	x	x	x
Automotive LPG for non-commercial use (per litre)					Natural gas for industry (per megawatt hour GCV)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.342	0.125	0.094	0.219	0.561	30.26	4.26	-	4.26	34.52
2010	0.426	0.125	0.110	0.235	0.661	29.15	2.20	-	2.20	31.36
2011	0.502	0.125	0.127	0.253	0.755	32.53	2.82	-	2.82	35.36
2012	0.533	0.147	0.143	0.290	0.823	38.81	3.78	-	3.78	42.59
2013	0.517	0.147	0.141	0.288	0.806	38.40	4.08	-	4.08	42.49
2014	0.484	0.147	0.139	0.286	0.770	34.77	3.58	-	3.58	38.35
2015	0.355	0.147	0.111	0.258	0.613	33.81	3.83	..	3.83	37.64
2016	0.314	0.147	0.102	0.249	0.563	29.50	3.57	..	3.57	33.08
2017	0.372	0.147	0.114	0.261	0.633	27.30	3.30	..	3.30	30.60
2018	0.405	0.147	0.121	0.269	0.674	30.19	3.22	..	3.22	33.41
2019	0.371	0.147	0.114	0.261	0.632	29.02	4.89	..	4.89	33.91
3Q2019	0.355	0.147	0.110	0.258	0.613	25.60	3.64	..	3.64	29.24
4Q2019	0.355	0.147	0.110	0.258	0.612	25.60	3.64	..	3.64	29.24
1Q2020	0.371	0.147	0.114	0.261	0.632
2Q2020	0.343	0.147	0.108	0.255	0.598
3Q2020
Natural gas for electricity generation (per megawatt hour GCV)					Natural gas for households (per megawatt hour GCV)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	c	c	c	c	c	43.53	-	-	22.05	65.57
2010	c	c	c	c	c	43.90	16.74	10.50	27.24	71.14
2011	c	c	c	c	c	49.27	16.42	11.12	27.54	76.81
2012	c	c	c	c	c	55.45	15.56	12.22	27.78	83.22
2013	c	c	c	c	c	59.18	15.71	12.96	28.67	87.85
2014	c	c	c	c	c	57.56	15.57	12.91	28.47	86.03
2015	c	c	c	c	c	54.58	15.65	12.47	28.11	82.69
2016	c	c	c	c	c	50.84	15.63	11.86	27.49	78.32
2017	c	c	c	c	c	49.54	15.55	11.67	27.22	76.77
2018	c	c	c	c	c	51.37	15.63	12.08	27.70	79.07
2019	c	c	c	c	c	54.16	16.89	12.56	29.45	83.61
3Q2019	c	c	c	c	c	69.56	14.37	16.63	31.00	100.56
4Q2019	c	c	c	c	c	69.56	14.37	16.63	31.00	100.56
1Q2020	c	c	c	c	c
2Q2020	c	c	c	c	c
3Q2020	c	c	c	c	c

ITALY**Table 3 - Average prices and taxes in euros**

Steam coal for industry (per tonne)					Steam coal for electricity generation (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	82.06	-	-	-	82.06	74.07	-	-	-	74.07
2010	84.53	-	-	-	84.53	81.33	-	-	-	81.33
2011	100.81	-	-	-	100.81
2012
2013
2014
2015
2016
2017
2018
2019
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020
Steam coal for households (per tonne)					Coking coal for industry (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	103.94	-	-	-	103.94
2010	133.21	-	-	-	133.21
2011	173.97	-	-	-	173.97
2012
2013
2014
2015
2016
2017
2018
2019
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020
Electricity for industry (per megawatt hour)					Electricity for households (per megawatt hour)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	146.4	18.9	..	209.5
2010	151.5	17.7	..	199.6
2011	121.3	36.3	-	36.3	157.5	145.9	38.8	18.3	57.1	203.0
2012	126.0	49.5	-	49.5	175.4	156.4	48.8	20.8	69.6	226.0
2013	120.9	58.5	-	58.5	179.3	158.4	55.1	21.5	76.5	234.9
2014	113.2	64.4	-	64.4	177.7	160.2	61.7	22.3	84.0	244.3
2015	101.3	68.5	-	68.5	169.8	158.7	65.9	22.5	88.5	247.2
2016	96.7	70.3	-	70.3	167.0	153.2	68.0	22.2	90.2	243.4
2017	94.3	62.8	-	62.8	157.1	157.4	54.6	21.6	76.1	233.5
2018	97.3	50.5	-	50.5	147.8	161.8	53.1	22.1	75.2	237.0
2019	102.5	62.8	-	62.8	165.4	166.1	68.7	23.6	92.4	258.4
3Q2019	100.9	62.7	-	62.7	163.6	166.0	71.0	23.8	94.8	260.8
4Q2019	100.9	62.7	-	62.7	163.6	166.0	71.0	23.8	94.8	260.8
1Q2020
2Q2020
3Q2020

ITALY**Table 4 - Indices of energy prices**

	Oil products		Electricity		Natural gas		Coal	
	Wholesale 1995 = 100	Retail 2015 = 100	Wholesale 2015 = 100	Retail 2015 = 100	Wholesale 2015 = 100	Retail 2015 = 100	Wholesale 1995 = 100	Retail 2015 = 100
1999	106.5	60.7	..	62.4	..	60.9
2000	129.8	68.7	..	67.5	..	67.4
2001	..	67.2	..	69.6	..	72.4
2002	..	66.0	..	68.6	..	68.9
2003	..	67.5	..	70.6	..	72.4
2004	..	71.4	..	68.3	..	72.5
2005	..	79.3	..	71.0	..	78.1
2006	..	84.0	..	79.9	..	85.4
2007	..	84.0	..	83.7	..	85.4
2008	..	92.9	..	91.8	..	93.7	..	91.4
2009	..	79.8	..	90.0	..	92.3	..	91.6
2010	..	89.2	..	83.9	..	90.0	..	93.6
2011	..	102.9	..	85.5	..	98.0	..	94.8
2012	..	117.6	..	97.5	..	110.1	..	96.1
2013	..	115.4	..	100.3	..	111.2	..	97.0
2014	..	112.7	..	101.2	..	103.7	..	97.7
2015	..	100.0	..	100.0	..	100.0	..	100.0
2016	..	93.7	..	99.3	..	91.8	..	99.0
2017	..	100.1	..	103.1	..	93.7	..	99.0
2018	..	106.6	..	107.7	..	98.9	..	100.0
2019	..	105.6	..	113.0	..	98.0	..	101.5
3Q2012	..	117.9	..	99.6	..	111.4	..	95.9
4Q2012	..	118.4	..	101.0	..	112.9	..	95.8
1Q2013	..	117.8	..	100.3	..	114.8	..	96.7
2Q2013	..	114.0	..	99.7	..	110.9	..	96.8
3Q2013	..	115.5	..	100.9	..	110.3	..	96.9
4Q2013	..	114.3	..	100.4	..	108.7	..	97.7
1Q2014	..	114.3	..	101.4	..	108.1	..	97.6
2Q2014	..	113.5	..	100.6	..	104.5	..	97.6
3Q2014	..	114.0	..	100.6	..	99.1	..	97.8
4Q2014	..	108.8	..	102.2	..	103.2	..	97.7
1Q2015	..	99.5	..	100.0	..	102.7	..	100.0
2Q2015	..	103.9	..	99.2	..	99.1	..	100.3
3Q2015	..	100.7	..	99.0	..	98.3	..	100.0
4Q2015	..	95.8	..	101.8	..	99.9	..	99.8
1Q2016	..	90.3	..	101.5	..	97.1	..	99.3
2Q2016	..	93.5	..	97.4	..	89.3	..	99.2
3Q2016	..	94.4	..	98.5	..	89.8	..	98.8
4Q2016	..	96.6	..	99.8	..	91.1	..	98.8
1Q2017	..	101.1	..	100.4	..	94.6	..	98.9
2Q2017	..	100.0	..	102.7	..	94.6	..	98.9
3Q2017	..	97.9	..	104.9	..	91.6	..	98.9
4Q2017	..	101.3	..	104.4	..	93.8	..	99.1
1Q2018	..	103.1	..	108.5	..	97.8	..	99.7
2Q2018	..	106.2	..	102.1	..	93.2	..	99.9
3Q2018	..	108.3	..	106.9	..	99.7	..	99.7
4Q2018	..	108.6	..	113.3	..	105.0	..	100.6
1Q2019	..	103.5	..	115.8	..	107.1	..	101.4
2Q2019	..	107.6	..	111.1	..	97.9	..	101.6
3Q2019	..	105.5	..	111.7	..	92.1	..	101.2
4Q2019	..	105.7	..	113.5	..	95.0	..	101.7
1Q2020	..	104.3	..	111.4	..	95.8	..	102.5
2Q2020	..	94.3	..	100.7	..	84.7	..	102.7
3Q2020

ITALY

Sources

Prices and taxes data for oil products, natural gas and electricity are provided on a quarterly basis by the **Ministry of Economic Development**.

Retail energy price indices are based on data published by **Eurostat**.

Data collection methodology

From 1Q1990 onwards, prices refer to weekly averages of the quarter. From 1Q1985 to 4Q1989 prices refer to the second month of each quarter. Prior to 1Q1985, prices refer to the first month of each quarter.

Oil products

From May 1994 onwards, oil product prices are completely deregulated and set by oil companies. From May 1986 until April 1994, prices for gasoline and light fuel oil followed EU averages automatically, while fuel oil prices were free market prices.

For heavy fuel oil for electricity generation, prices are confidential from 4Q1996 onwards. Prior to 4Q1996, prices refer to the annual and quarterly average expenditure per tonne incurred by ENEL for all oil consumed (including transport).

For low sulphur fuel oil, light fuel oil, automotive diesel, premium unleaded (95 RON) gasoline and automotive LPG, end-use and ex-tax prices are collected by the reporting agency through a weekly survey of the ten largest oil companies in the country and a selection of fuel traders, independent operators and around thirty supermarkets with fuel selling facilities. Companies report their weekly weighted average prices based on sales volumes recorded for different modes of self-service.

Excise taxes are then calculated by the reporting agency as the subtraction of the ex-tax prices from the end-use prices, including VAT when applicable.

The surveyed sample is estimated to cover over 95% of all sales for each of the products. The market share of each company is based on quantities sold in the previous year, collected by the Ministry through a monthly survey on consumption of petroleum products in Italy.

Natural gas

Before the liberalisation of the gas market in Italy, the prices for natural gas sales were calculated in accordance with national agreements established between the Società Nazionale Metanodotti (SNAM) and the most representative industrial association (Confindustria and Confapi).

As a result of liberalisation, new prices are negotiated between the different sellers and the buyers. Pricing systems are different for each seller but the access to public facilities (transmission networks, storages, liquefied natural gas (LNG) plants and local distribution networks) is regulated by tariffs determined based on criteria set by the Energy Regulator (*Autorità per l'energia elettrica e il gas*).

Data are bi-annual, therefore, prices for 1Q and 2Q are the same, as are those for 3Q and 4Q.

Prices for industry, from 1Q2010 onwards, are calculated by the Ministry based on the disaggregated data transmitted by individual electricity sales company pursuant to the Italian Regulatory Authority for Energy, Networks and Environment Resolution 20 November 2008, ARG/elt 167/08 and subsequent amendments. Average prices are calculated as consumption-weighted averages of the average prices for each consumption band, which are consistent with the Eurostat methodology.

From 1Q2004 to 4Q2009, prices for industry refer to the weighted average of users with continuous contracts (*industria continuo*) and non-continuous contracts (*industria interrompibile*). Between 1Q2000 and 4Q2003, prices for industry were confidential. Prior to 4Q1999, prices for industry refer to the annual average revenues per MWh received by distributors from industry.

For households, tariffs charged by local distribution companies (LDCs) to companies that sell gas are determined on the basis of a procedure set by the Energy Regulator and have to be published by the LDCs. These prices differ from town to town. The commodity charge is updated every three months with reference to the average quotations of gasoil, LSFO and crude oil of the six months before the month of supply. Since January 2003, natural gas prices for households can be renegotiated by users. The Energy Regulator established a reference price that the selling company, previously acting as part of the local distribution company, must continue to offer to local customers unless they change their supplier.

Prices for households from 1Q2010 to 4Q2018, are calculated by the Ministry, based on the disaggregated data transmitted by individual natural gas sales companies pursuant to the Italian Regulatory Authority for Energy,

Networks and Environment Resolution of 4 June 2009, ARG/gas 64/09 and subsequent amendments.

From 1Q2019 onwards, data are calculated by the Ministry, based on the disaggregated data transmitted by individual natural gas sales company pursuant to the Italian Regulatory Authority for Energy, Networks and Environment Resolution 29 March 2018, 168/2018/R/com. Average prices are calculated as consumption-weighted averages of the average prices per consumption band, which are consistent with the Eurostat methodology.

From 1Q2004 to 4Q2009, prices for households refer to the weighted average of all users. Prices between 1Q2000 and 4Q2003 were confidential. Prior to 4Q1999, annual prices refer to annual average revenues per MWh received by distributors from households.

Price and tax information for electricity generation is confidential since 1995.

Steam and coking coal

For steam coal for industry, prices refer to first month of each quarter, from 1Q1983 onwards. Prior to 1Q1983, prices refer to quarterly averages. Prices refer to the average import price including insurance and freight.

For steam coal for electricity generation, prices refer to half-yearly averages of hard coal imported from third countries, from 2002 onwards, generation. Prior to 2000, prices refer to annual and quarterly average expenditure per tonne incurred by ENEL for consumption of steam coal (including transport).

Steam coal prices for households refer to the wholesale price in Milan.

Coking coal prices for industry refer to the average import price including insurance and freight.

Electricity

From 1Q2008 to 4Q2018, data are calculated by the Ministry, based on the disaggregated data transmitted by individual electricity sales company pursuant to the Italian Regulatory Authority for Energy, Networks and Environment Resolution 20 November 2008, ARG/elt 167/08 and subsequent amendments.

From 1Q2019 onwards, data are calculated by the Ministry, based on the disaggregated data transmitted by individual electricity sales company pursuant to the Italian Regulatory Authority for Energy, Networks and Environment Resolution 29 March 2018, 168/2018/R/com.

Average prices are calculated as consumption-weighted averages of the average prices per consumption band, which are consistent with the Eurostat methodology.

Data are bi-annual, therefore, prices for 1Q and 2Q are the same, as are those for 3Q and 4Q.

Until 4Q2007, prices for industry and households refer to annual average revenues received by ENEL Servizio Elettrico (ESE) from each consumer sector.

Energy price indices

Annual and quarterly indices are 12-month and 3-month averages, respectively, of the Harmonised Indices of Consumer Prices (HICP) published by Eurostat.

Retail indices for oil products refer to a consumption-weighted average of the *liquid fuels* (cp0453) and *fuels and lubricants for personal transport equipment* (cp0722) series. Relative weights used for the calculations are taken from the associated item weights series (prc_hicp_inw), published by Eurostat.

Retail indices for electricity refer to the *electricity* (cp0451) series.

Retail indices for natural gas refer to the *gas* (cp0452) series.

Retail indices for coal refer to the *solid fuel* (cp0454) series.

Energy taxation

VAT

VAT (*IVA*) applies to all energy products. VAT is refunded for purchases for commercial purposes. Therefore, it is not included in prices shown for the industrial and electricity generation sectors, as well as for automotive fuels for commercial use.

VAT is levied at a reduced rate for electricity consumption in the residential sector, as well as in agriculture, manufacturing and extractive activities.

The reduced VAT rate also applies, since 2008, to residential natural gas consumption below 480m³/year, as well as in agriculture, manufacturing and extractive activities.

From	To	General %	Reduced %
01.01.78	31.12.80	14	
01.01.81	31.12.82	15	
01.01.83	19.03.85	18	
20.03.85	31.07.88	18	10
01.08.88	30.09.97	19	10
01.10.97	16.09.11	20	10
17.09.11	30.09.13	21	10
01.10.13	now	22	10

Excise tax

The legal framework in place in Italy is consistent with the 2003 EU Energy Taxation Directive.

A single indirect tax, referred to as the excise duty, is levied on consumption of oil products, natural gas, coal and electricity. Additional regional tax components on electricity were abolished on 1 April 2012. Additional regional tax components on natural gas consumption are still in place.

Tax applicability table (not exhaustive)

	HSFO/LSFO	LFO	Diesel	Gasoline	LPG	Natural gas	Steam coal	Coking coal	Electricity
Excise duties	*	*	*	*	*	*	*	*	*

Excise duties (*Accise*)

The current excise duty system in place for oil products, natural gas, coal and electricity in Italy was introduced by the Legislative Decree no.26 of 2 February 2007, which came in force on 1 June 2007.

For oil products, tax rates distinguish between final uses. The rates for heavy fuel oil shown in the tax tables at the end of section refer to light sulphur fuel oil (*olio combustibile BTZ*).

For natural gas, consumption by households in the south of Italy is taxed at a lower rate than in the rest of the country. This reduced rate covers the territories of the former Mezzogiorno Fund (*Cassa del Mezzogiorno*), as listed in Article 1 of the Presidential Decree no. 218 of 6 March 1978. Excise duty rates for natural gas used in industry are not regionalized. Tax rates for both industry

and households vary for different consumption bands and are expressed in EUR/m³.

In addition to the excise duties on natural gas, a regional component is levied in most regions of the country. These additional taxes cannot exceed 50% of the value of the national excise tax. Natural gas used for chemical reduction, metallurgical and mineralogical processes is exempt. Natural gas used for electricity production is taxed at a reduced rate.

Coal used for electricity generation is taxed at a rate of 2.60 EUR/tonne. Coal used in chemical reduction processed is exempt. Coke has the same tax treatment as coal.

For electricity in households, consumption below 150 kWh when capacity is below 3 kW is exempt from excise duties. The rates for electricity for households shown in the tax tables at the end of section refer to residential consumers with a monthly consumption exceeding 150 kWh.

For electricity in industry, the first 200 MWh of monthly electricity consumption are taxed proportionally to consumption. For users with a monthly consumption below 1 200 MWh, consumption beyond 200 MWh is taxed at a lower rate per MWh. For users with a monthly consumption exceeding 1 200 MWh, consumption beyond 200 MWh is taxed at a flat monthly fee amounting to 4 820 EUR as of November 2016. The rates for electricity for industry shown in the tax tables at the end of section refer to industrial consumers with a monthly consumption not exceeding 200 MWh.

Regional taxes on electricity, which had been levied in addition to the national tax, were abolished on 1 January 2012 for most regions. On 1 April 2012, regional taxes in the remaining autonomous provinces and special regional entities were abolished.

Excise duties (*Accise*)

From	To	Heavy fuel oil (EUR/tonne)	Light fuel oil (EUR/1000l)	Automotive diesel (EUR/l)	Gasoline (EUR/l)	Automotive LPG (EUR/l)	Coal industry (EUR/tonne)	Electricity households (EUR/MWh)	Electricity industry (EUR/MWh)
01.01.09	05.04.11	31.39	403.21	0.423	0.564	0.125	4.6	4.7	3.1
06.04.11	27.06.11	31.39	403.21	0.430	0.571	0.125	4.6	4.7	3.1
28.06.11	30.06.11	31.39	403.21	0.470	0.611	0.125	4.6	4.7	3.1
01.07.11	31.10.11	31.39	403.21	0.472	0.613	0.125	4.6	4.7	3.1
01.11.11	31.12.11	31.39	403.21	0.481	0.622	0.125	4.6	4.7	3.1
01.01.12	31.05.12	31.39	403.21	0.593	0.704	0.147	4.6	22.7	12.1
01.06.12	07.06.12	31.39	403.21	0.593	0.704	0.147	4.6	22.7	12.5
08.06.12	10.08.12	31.39	403.21	0.613	0.724	0.147	4.6	22.7	12.5
11.08.12	28.14.14	31.39	403.21	0.617	0.728	0.147	4.6	22.7	12.5
01.03.14	31.12.14	31.39	403.21	0.620	0.731	0.147	4.6	22.7	12.5
01.01.15	now	31.39	403.21	0.617	0.728	0.147	4.6	22.7	12.5

Product specifications

Oil products

	High sulphur fuel oil	Low sulphur fuel oil	Light fuel oil	Automotive diesel	Premium unleaded (98 RON) gasoline	Premium unleaded (95 RON) gasoline	Automotive LPG
Quality	Olio combustibile ATZ	Olio combustibile BTZ	Gasolio riscaldamento (Regime di sorveglianza "Fascia C")	Gasolio autotrazione			
Density (kg/l)	0.94 - 0.97	0.94 - 0.97	0.82 - 0.84	0.82 - 0.84	0.72 - 0.76	0.72 - 0.76	0.549
Sulphur content (%)	3 - 4	1					
Lead content (g/l)					≤ 0.6	≤ 0.6	
NCV (kcal/kg)	9 600	9 800	10 210				
Delivery size	< 24 000 tonne/year	< 24 000 tonne/year	2 – 5 kl				

Natural gas and coal

	Natural gas	Steam coal <i>industry</i>	Steam coal <i>electricity generation</i>	Steam coal <i>households</i>	Coking coal
Grain size					0/30 mm
Volatile matter (%)					21
Ash content (%)		14 – 16			6
Moisture content (%)					5
Sulphur content (%)		1			1
NCV (kcal/kg)		6 162	5 900	5 900	6 650
GCV (kcal/kg)*	9 100	6 890			7 000

*kcal/m³ for natural gas

JAPAN**Table 1 - Average prices and taxes in yen**

Low sulphur fuel oil for industry (per tonne)					High sulphur fuel oil for industry (per tonne)					
	Ex-tax price	Excise tax	Consump. tax	Total tax	Total price	Ex-tax price	Excise tax	Consump. tax	Total tax	Total price
2009	52 101	-	-	-	52 101
2010	62 052	-	-	-	62 052
2011	74 800	-	-	-	74 800
2012	77 638	-	-	-	77 638
2013	84 592	-	-	-	84 592
2014	87 875	-	-	-	87 875
2015	62 258	-	-	-	62 258
2016	48 150	-	-	-	48 150
2017	59 633	-	-	-	59 633
2018	74 092	-	-	-	74 092
2019	71 775	-	-	-	71 775
3Q2019	70 400	-	-	-	70 400
4Q2019	71 467	-	-	-	71 467
1Q2020	69 100	-	-	-	69 100
2Q2020	49 833	-	-	-	49 833
3Q2020	55 000	-	-	-	55 000
Light fuel oil for industry (per 1000 litres)					Kerosene for households (per 1000 litres)					
	Ex-tax price	Excise tax	Consump. tax	Total tax	Total price	Ex-tax price	Excise tax	Consump. tax	Total tax	Total price
2009	52 163	2 040	-	2 040	54 203	61 468	2 040	3 175	5 215	66 683
2010	58 166	2 040	-	2 040	60 206	70 591	2 040	3 632	5 672	76 263
2011	69 198	2 040	-	2 040	71 238	84 158	2 040	4 310	6 350	90 508
2012	74 170	2 103	-	2 103	76 273	85 232	2 103	4 367	6 469	91 701
2013	84 592	2 290	-	2 290	86 882	91 929	2 290	4 711	7 001	98 930
2014	87 883	2 478	-	2 478	90 361	95 615	2 478	7 104	9 582	105 197
2015	62 258	2 540	-	2 540	64 798	73 488	2 540	6 082	8 622	82 110
2016	48 175	2 735	-	2 735	50 910	56 686	2 735	4 754	7 489	64 174
2017	59 650	2 800	-	2 800	62 450	69 474	2 800	5 782	8 582	78 056
2018	74 092	2 800	-	2 800	76 892	82 244	2 800	6 804	9 604	91 847
2019	71 775	2 800	-	2 800	74 575	80 989	2 800	7 121	9 921	90 910
3Q2019	70 400	2 800	-	2 800	73 200	81 173	2 800	6 718	9 518	90 691
4Q2019	71 467	2 800	-	2 800	74 267	80 777	2 800	8 358	11 158	91 935
1Q2020	69 100	2 800	-	2 800	71 900	80 922	2 800	8 372	11 172	92 094
2Q2020	49 833	2 800	-	2 800	52 633	68 479	2 800	7 128	9 928	78 407
3Q2020
Automotive diesel for commercial use (per litre)					Automotive diesel for non-commercial use (per litre)					
	Ex-tax price	Excise tax	Consump. tax	Total tax	Total price	Ex-tax price	Excise tax	Consump. tax	Total tax	Total price
2009	45.6	34.1	-	34.1	79.8	66.0	34.1	3.4	37.5	103.5
2010	57.6	34.1	-	34.1	91.7	74.8	34.1	3.8	38.0	112.8
2011	70.9	34.1	-	34.1	105.1	87.4	34.1	4.5	38.6	126.0
2012	73.9	34.2	-	34.2	108.1	88.5	34.2	4.5	38.7	127.2
2013	81.8	34.4	-	34.4	116.2	95.9	34.4	4.9	39.3	135.2
2014	85.7	34.6	-	34.6	120.3	99.9	34.6	7.4	42.0	141.9
2015	59.6	34.6	-	34.6	94.2	76.1	34.6	6.3	40.9	117.0
2016	47.3	34.8	-	34.8	82.1	62.0	34.8	5.2	40.0	102.0
2017	57.7	34.9	-	34.9	92.6	71.4	34.9	5.9	40.8	112.2
2018	72.7	34.9	-	34.9	107.6	86.4	34.9	7.1	42.0	128.4
2019	70.2	34.9	-	34.9	105.1	84.6	34.9	7.4	42.3	126.9
3Q2019	68.7	34.9	-	34.9	103.6	84.0	34.9	6.9	41.8	125.8
4Q2019	70.0	34.9	-	34.9	104.9	84.2	34.9	8.7	43.6	127.8
1Q2020	67.3	34.9	-	34.9	102.2	84.2	34.9	8.7	43.6	127.8
2Q2020	47.9	34.9	-	34.9	82.8	68.4	34.9	7.1	42.0	110.4
3Q2020

JAPAN**Table 2 - Average prices and taxes in yen**

Regular unleaded (91 RON) gasoline (per litre)						Automotive LPG for commercial use (per litre)				
	Ex-tax price	Excise tax	Consump. tax	Total tax	Total price	Ex-tax price	Excise tax	Consump. tax	Total tax	Total price
2009	58.6	55.8	5.7	61.6	120.2	58.9	9.8	-	9.8	68.7
2010	70.8	55.8	6.3	62.2	132.9	65.1	9.8	-	9.8	74.9
2011	83.0	55.8	6.9	62.8	145.8
2012	84.0	55.9	7.0	62.9	146.9
2013	92.5	56.1	7.4	63.5	156.0	77.4	9.8	-	9.8	87.2
2014	95.6	56.3	11.0	67.3	162.9	81.1	9.8	-	9.8	90.9
2015	71.1	56.3	10.2	66.5	137.6	65.8	9.8	-	9.8	75.6
2016	55.1	56.5	8.9	65.5	120.6	57.4	9.8	-	9.8	67.2
2017	67.0	56.6	9.9	66.5	133.5	67.5	9.8	-	9.8	77.3
2018	82.0	56.6	11.1	67.7	149.7	70.0	9.8	-	9.8	79.8
2019	78.0	56.6	11.4	68.0	146.0	68.0	9.8	-	9.8	77.8
3Q2019	77.4	56.6	10.7	67.3	144.7	72.7	9.8	-	9.8	82.5
4Q2019	77.3	56.6	13.4	70.0	147.3	69.5	9.8	-	9.8	79.3
1Q2020	77.3	56.6	13.4	70.0	147.3	69.8	9.8	-	9.8	79.6
2Q2020	60.9	56.6	11.8	68.4	129.3	58.5	9.8	-	9.8	68.3
3Q2020
Automotive LPG for non-commercial use (per litre)						Natural gas for industry (per megawatt hour GCV)				
	Ex-tax price	Excise tax	Consump. tax	Total tax	Total price	Ex-tax price	Excise tax	Consump. tax	Total tax	Total price
2009	63.6	9.8	3.7	13.5	77.1	4 332	-	-	-	4 332
2010	69.5	9.8	4.0	13.8	83.3	4 561	-	-	-	4 561
2011	5 344	-	-	-	5 344
2012	5 853	-	-	-	5 853
2013	81.9	9.8	4.6	14.4	96.2	6 697	-	-	-	6 697
2014	85.9	9.8	6.9	16.7	102.6	7 081	-	-	-	7 081
2015	71.2	9.8	6.5	16.3	87.3	5 364	-	-	-	5 364
2016	62.9	9.8	5.8	15.6	78.5	3 843	-	-	-	3 843
2017	72.7	9.8	6.6	16.4	89.1	4 400	-	-	-	4 400
2018	75.2	9.8	6.8	16.6	91.8	5 079	-	-	-	5 079
2019	77.8	9.8	7.0	16.8	94.6	5 092	-	-	-	5 092
3Q2019	77.6	9.8	7.0	16.8	94.4
4Q2019	75.2	9.8	6.8	16.6	91.8
1Q2020	75.7	9.8	8.5	18.3	94.0
2Q2020	64.7	10.8	7.6	18.4	83.1
3Q2020
Natural gas for electricity generation (per megawatt hour GCV)						Natural gas for households (per megawatt hour GCV)				
	Ex-tax price	Excise tax	Consump. tax	Total tax	Total price	Ex-tax price	Excise tax	Consump. tax	Total tax	Total price
2009	12 069	-	603	603	12 672
2010	11 879	-	594	594	12 473
2011	12 572	-	629	629	13 201
2012	12 894	-	645	645	13 539
2013	13 580	-	679	679	14 259
2014	14 025	-	1 122	1 122	15 147
2015	12 734	-	1 018	1 018	13 752
2016	10 942	-	875	875	11 817
2017	11 154	-	892	892	12 046
2018	12 009	-	960	960	12 969
2019	11 810	-	944	944	12 754
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020

JAPAN**Table 3 - Average prices and taxes in yen**

Steam coal for industry (per tonne)						Steam coal for electricity generation (per tonne)				
	Ex-tax price	Excise tax	Consump. tax	Total tax	Total price	Ex-tax price	Excise tax	Consump. tax	Total tax	Total price
2009	10 144	700	-	700	10 844
2010	9 405	700	-	700	10 105
2011	10 986	700	-	700	11 686
2012	10 688	755	-	755	11 443
2013	10 811	920	-	920	11 731
2014	10 259	1 085	-	1 085	11 344
2015	9 673	1 140	-	1 140	10 813
2016	7 949	1 313	-	1 313	9 262
2017	11 145	1 370	-	1 370	12 515
2018	12 966	1 370	-	1 370	14 336
2019	11 867	1 370	-	1 370	13 237
3Q2019	11 209	1 370	-	1 370	12 579
4Q2019	10 523	1 370	-	1 370	11 893
1Q2020	9 932	1 370	-	1 370	11 302
2Q2020	8 867	1 370	-	1 370	10 237
3Q2020
Steam coal for households (per tonne)						Coking coal for industry (per tonne)				
	Ex-tax price	Excise tax	Consump. tax	Total tax	Total price	Ex-tax price	Excise tax	Consump. tax	Total tax	Total price
2009	x	x	x	x	x	16 274	700	-	700	16 974
2010	x	x	x	x	x	13 932	700	-	700	14 632
2011	x	x	x	x	x	18 238	700	-	700	18 938
2012	x	x	x	x	x	15 223	755	-	755	15 978
2013	x	x	x	x	x	13 600	920	-	920	14 520
2014	x	x	x	x	x	12 017	1 085	-	1 085	13 102
2015	x	x	x	x	x	11 457	1 140	-	1 140	12 597
2016	x	x	x	x	x	9 736	1 313	-	1 313	11 049
2017	x	x	x	x	x	16 847	1 370	-	1 370	18 217
2018	x	x	x	x	x	17 490	1 370	-	1 370	18 860
2019	x	x	x	x	x	16 255	1 370	-	1 370	17 625
3Q2019	x	x	x	x	x	15 598	1 370	-	1 370	16 968
4Q2019	x	x	x	x	x	14 518	1 370	-	1 370	15 888
1Q2020	x	x	x	x	x	12 669	1 370	-	1 370	14 039
2Q2020	x	x	x	x	x	12 599	1 370	-	1 370	13 969
3Q2020	x	x	x	x	x
Electricity for industry (per megawatt hour)						Electricity for households (per megawatt hour)				
	Ex-tax price	Excise tax	Consump. tax	Total tax	Total price	Ex-tax price	Excise tax	Consump. tax	Total tax	Total price
2009	14 388	375	-	375	14 763	20 925	375	1 065	1 440	22 365
2010	13 175	375	-	375	13 550	19 999	375	1 019	1 394	21 393
2011	13 919	375	-	375	14 294	20 458	375	1 042	1 417	21 874
2012	15 130	375	-	375	15 505	21 713	375	1 104	1 479	23 192
2013	16 629	375	-	375	17 004	23 258	375	1 182	1 557	24 815
2014	18 188	375	-	375	18 563	24 665	375	1 768	2 143	26 808
2015	17 774	375	-	375	18 149	24 847	375	2 018	2 393	27 239
2016	16 058	375	-	375	16 433	22 121	375	1 800	2 175	24 295
2017	16 500	375	-	375	16 875	23 158	375	1 883	2 258	25 415
2018	17 368	375	-	375	17 743	24 059	375	1 955	2 330	26 389
2019	17 542	375	-	375	17 917	25 239	375	2 032	2 407	27 646
3Q2019	17 477	375	-	375	17 852	25 678	375	2 084	2 459	28 138
4Q2019	16 907	375	-	375	17 282	24 634	375	2 474	2 849	27 483
1Q2020	19 299	375	-	375	19 674	26 722	375	2 683	3 058	29 780
2Q2020
3Q2020

JAPAN**Table 4 - Indices of energy prices**

	Oil products		Electricity		Natural gas		Coal	
	Wholesale 2015 = 100	Retail 2015 = 100	Wholesale 2015 = 100	Retail 2015 = 100	Wholesale 2015 = 100	Retail 2015 = 100	Wholesale 2015 = 100	Retail
1999	46.4	68.7	80.5	85.8	58.8	76.3	46.8	..
2000	54.5	72.6	81.2	86.4	60.0	77.4	44.0	..
2001	57.5	73.9	80.3	85.2	63.0	78.8	44.3	..
2002	60.4	71.8	77.6	83.3	60.3	78.3	46.4	..
2003	63.7	73.4	75.1	81.5	60.9	78.3	46.0	..
2004	69.2	76.4	74.6	81.1	59.8	78.1	63.1	..
2005	83.4	84.0	72.7	79.2	60.5	78.8	83.6	..
2006	98.9	92.8	73.9	79.7	68.0	82.6	80.5	..
2007	104.9	95.3	74.4	80.0	71.8	84.0	81.4	..
2008	127.7	108.7	78.2	82.9	82.8	89.4	152.9	..
2009	83.3	86.5	77.8	82.4	80.2	88.9	156.6	..
2010	97.4	94.2	74.2	79.9	75.4	88.2	142.2	..
2011	111.1	103.0	77.3	82.2	83.3	90.7	155.2	..
2012	113.3	104.6	84.0	87.0	95.7	94.4	125.7	..
2013	123.9	110.2	91.2	93.2	104.9	96.9	109.6	..
2014	131.4	116.1	100.8	100.7	114.9	102.6	104.2	..
2015	100.0	100.0	100.0	100.0	100.0	100.0	100.0	..
2016	83.4	88.4	90.3	92.1	68.8	90.4	92.8	..
2017	97.9	97.2	93.9	95.0	72.4	90.2	140.3	..
2018	114.9	107.6	99.5	99.3	81.2	93.1	147.1	..
2019	109.3	106.3	103.3	102.2	87.3	96.0	145.5	..
3Q2012	108.5	102.5	89.6	88.2	97.8	94.8	127.5	..
4Q2012	113.0	104.6	84.6	89.3	95.8	95.3	109.1	..
1Q2013	121.6	108.8	83.6	88.0	96.8	94.5	108.5	..
2Q2013	121.4	108.5	89.1	92.0	105.2	96.3	112.4	..
3Q2013	125.2	111.5	98.0	96.0	109.8	98.3	107.7	..
4Q2013	127.4	111.9	94.4	96.6	108.0	98.4	110.0	..
1Q2014	130.3	113.1	93.9	96.2	110.9	99.0	108.0	..
2Q2014	135.4	117.7	101.4	101.6	117.1	103.4	104.6	..
3Q2014	136.4	119.5	106.8	103.0	115.8	104.4	104.0	..
4Q2014	123.3	114.2	101.1	102.2	115.6	103.6	100.4	..
1Q2015	101.4	101.2	102.1	103.0	120.0	104.4	104.0	..
2Q2015	106.2	102.2	103.3	103.0	107.7	103.8	104.9	..
3Q2015	100.6	101.2	100.4	97.6	87.5	97.2	97.6	..
4Q2015	91.9	95.4	94.2	96.4	84.8	94.6	93.4	..
1Q2016	78.0	85.3	92.7	95.0	82.3	94.5	87.5	..
2Q2016	82.7	87.7	90.3	93.0	69.9	91.6	81.9	..
3Q2016	84.2	89.3	91.6	90.4	60.8	88.3	84.0	..
4Q2016	88.7	91.5	86.5	89.9	62.2	87.1	117.6	..
1Q2017	97.9	96.2	88.3	91.4	68.5	88.4	161.3	..
2Q2017	95.6	96.6	93.5	95.6	72.5	90.2	140.6	..
3Q2017	94.3	95.7	99.4	96.7	74.3	91.0	124.2	..
4Q2017	103.8	100.2	94.6	96.4	74.3	91.3	135.0	..
1Q2018	108.7	103.8	94.8	96.6	76.1	91.4	147.2	..
2Q2018	113.6	106.1	97.9	99.0	79.1	92.5	157.6	..
3Q2018	119.0	109.4	103.5	99.7	81.1	93.4	141.3	..
4Q2018	118.5	111.1	101.6	101.7	88.4	94.9	142.3	..
1Q2019	107.6	104.8	104.0	103.7	93.6	96.9	155.5	..
2Q2019	113.3	107.5	103.0	102.9	89.7	96.8	149.2	..
3Q2019	106.5	105.5	105.5	101.3	82.3	95.0	146.8	..
4Q2019	110.0	107.5	100.8	101.0	83.8	95.1	130.4	..
1Q2020	108.0	108.5	100.0	100.8	83.6	95.6	117.1	..
2Q2020	77.8	96.6	99.9	100.8	82.5	95.4	120.3	..
3Q2020

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Sources

Prices and taxes data for all energy products are provided on a quarterly basis by the **Ministry of Economy, Trade and Industry (METI)**.

Wholesale price indices are extracted from the **Bank of Japan** website.

Retail price indices are extracted from the **Statistics Japan** website.

Data collection methodology

Oil products

For high and low sulphur fuel oil, prices for industry refer to arithmetical average prices based on surveys by METI in Tokyo, Osaka and Nagoya. Prices for heavy fuel oil for electricity generation refer to average annual expenditure per tonne incurred by nine major electric power companies.

For light fuel oil for industry and automotive diesel for commercial users, prices are collected by METI in a monthly survey covering around 1 500 filling stations throughout Japan. Quarterly and annual prices are calculated as arithmetical averages of the weekly data, excluding the top 2.5% and bottom 2.5% values.

For light fuel oil for households, gasoline and automotive diesel for non-commercial, prices users are derived from a weekly METI survey of approximately 2 000 filling stations throughout Japan. Quarterly and annual prices are calculated as arithmetical averages of the weekly data.

Natural gas

As of 2014, natural gas sold in Japan was a mix of oil-based gas (3.4%) and natural gas (96.6%).

Prices are derived from fiscal year average revenues per MWh starting in April (i.e. 2015 data refer to April 2015 – March 2016). Prices are derived from data submitted by three major gas utilities from industry and households. Industry includes commercial and wholesale use.

Steam and coking coal

For steam coal, prices from 1Q1995 onwards refer to imports. Prior to 1Q1995, prices refer to weighted averages of import prices and domestic prices. Prices are produced by METI based on monthly customs statistics

of monthly average unit values and volumes for tariff positions 2701.12-099, 2701.19-010 and 2701.19-090.

Coking coal prices, from 1Q1990 onwards refer to imports. Prior to 1Q1990, prices refer to the weighted average of domestic and imported coking coal prices. Domestic prices refer to the average of various free-gate prices to major domestic steel mills, and were adjusted from an original fiscal year to a calendar year base. Prices are produced by METI based on monthly customs statistics stating monthly average unit values and volumes for tariff positions 2701.12-011, 2701.12 019, 2701.12-091 and 2701.12-092.

Coal consumed in the iron and steel sector is exempted from excise taxation, provided that companies file an application to the Japanese government. The prices shown in the tables do not consider this exemption, as the impact on the overall average cannot be calculated.

Electricity

Prices shown for industry and households refer to fiscal years starting in April (i.e. 2015 data refer to April 2015 – March 2016). End-use prices are average revenues per MWh of the ten major electric power companies under contracts for “*power*” (industry and commercial) and for “*light*” (households).

After the liberalisation of the electricity market in 2000, large companies are able to purchase electricity directly in the open market. Prices shown do not take into account electricity purchases in the free market, however, the general electricity utility companies covered by survey are responsible for around 94% of total electricity sales as of May 2016.

Energy price indices

Annual indices are 12-month averages. Quarterly indices refer to the 3-month average.

Wholesale indices for oil products refer to petroleum products (Series PR'PRCG10_2200630001). Prior to 1Q2000, data refer to the domestic wholesale price index, petroleum products total. Retail indices for oil products refer to petroleum products.

Wholesale indices for electricity refer to electric power (Series PR'PRCG10_2202230001). Prior to 1Q2000, data refer to the domestic wholesale price index. Retail indices for electricity refer to electricity.

Wholesale indices for natural gas refer to gas (Series PR'PRCG10_2202230002). Prior to 1Q2000, data refer to the domestic wholesale price index, gas for big users. Retail indices for natural gas refer to gas.

Wholesale indices for coal refer to coal products (Series PR'PRCG10_2200640006).

Energy taxation

VAT

For the purposes of this publication, Consumption tax (消費税) is considered to be equivalent to the VAT of other OECD countries.

Introduced in 1989, the Consumption tax applies to all energy products and is refunded for purchases for commercial purposes. Therefore, it is not included in prices shown for industry and electricity generation and for automotive fuels for commercial use.

Consumption tax

From	To	%
01.04.89	31.03.97	3
01.04.97	31.03.14	5
01.04.14	30.09.19	8
01.10.19	now	10

Excise tax

In addition to the general consumption tax, energy taxation in Japan comprises several taxes that apply to specific commercial energy products based on their intended use.

The excise tax figures shown in this publication are the sum of the applicable taxes.

Tax applicability table (not exhaustive)

	HSFO/LSFO	Kerosene	Diesel	Gasoline	LPG	Natural gas	Steam coal	Coking coal	Electricity
Petroleum and coal tax	x	x	x	x	x	x	x		
Gasoline and local gasoline tax				x					
Diesel tax			x						
LPG tax					x				
Promotion of power resources development tax								x	

Petroleum and coal tax (石油石炭税)

Introduced in 1978, the Petroleum and coal tax applies to a number of energy carriers with differentiated rates for oil products, natural gas and coal. The tax revenue resulting from the application of this tax is meant to finance stockpiling of imported fuels in order to ensure a stable and inexpensive supply in the country.

Companies in the iron and steel and the cement sectors are eligible for an exemption to this tax if they file an application to the Japanese government. Similarly, LSFO used in agriculture, fishing and forestry can be exempted. Coal used for electricity generation in the Okinawa prefecture is also exempted.

In October 2012, a special provision for the Tax for climate change mitigation, a CO₂ content based tax component, was introduced in the Petroleum and coal tax, based initially on a 95 JPY/tonne of CO₂ and progressively increased to reach 289 JPY/tonne of CO₂ in 2016.

The revenue from this tax component is earmarked for financing energy saving measures and greenhouse gas emissions reduction initiatives.

From	To	Oil products (JPY/l)	LPG (JPY/l)	Natural gas (JPY/MWh)	Coal (JPY/tonne)
01.10.03	31.03.05	2.040	0.448	65.70	230
01.04.05	31.03.07	2.040	0.5264	75.09	460
01.04.07	30.09.12	2.040	0.6048	84.48	700
01.10.12	31.03.14	2.290	0.7504	104.81	920
01.04.14	31.03.16	2.540	0.896	125.15	1140
01.04.16	now	2.800	1.0416	145.49	1370

Gasoline tax and local gasoline tax

(揮発油税 / 地方揮発油税)

Introduced in 1957, the volatile oil tax, or Gasoline tax, applies to oil products with a specific gravity not exceeding 0.8017 at 15°C. The Gasoline Tax Act explicitly exempts kerosene sales from this tax, despite its physical properties being within the range of its application.

The resulting tax revenue is earmarked for the central government's general finances.

An additional component, referred to as the local gasoline tax, is levied simultaneously at a lower rate by the local administrations. The tax rate for this tax component is flat across the country and set through national legal instruments.

From	To	Gasoline tax JPY/l	Local gasoline tax JPY/l
01.06.79	30.11.93	45.6	8.2
01.12.93	31.03.08	48.6	5.2
01.04.08	30.04.08	24.3	4.4
01.05.08	now	48.6	5.2

Diesel tax (軽油引取税)

Introduced in 1957, the light oil delivery tax, or diesel tax, applies to oil products with a specific gravity between 0.8017 and 0.8762 at 15°C. In contrast with other tax components, the diesel tax is not part of the base to calculate the consumption tax.

The revenue from this tax component is split equally between central and local government and is used for general finances.

From	To	JPY/l
01.06.79	30.11.93	24.3
01.12.93	31.03.08	32.1
01.04.08	30.04.08	15.0
01.05.08	now	32.1

LPG tax (石油ガス税)

Introduced in 1965, the petroleum gas tax, or LPG tax, applies specifically to LPG used for road transport. The resulting tax revenue is used for general government finances.

The law establishes a rate per kilogram and specifies that volume conversions should use a density of 0.56 kg/l for taxation purposes.

From	To	JPY/l
01.01.70	now	9.8

Promotion of power resources development tax (電源開発促進税)

Introduced in 1974, the Promotion of power resources development tax applies specifically to electricity consumption in all sectors of the economy. The resulting tax revenue is used to encourage diversification in the power generation segment and to ensure safety of the neighbouring areas of power plants.

A flat rate applies to electricity consumption regardless of its use.

From	To	JPY/MWh
01.11.74	30.06.80	85
01.07.80	30.09.83	300
01.10.83	30.09.03	445
01.10.03	31.03.05	425
01.04.05	31.03.07	400
01.04.07	now	375

Product specifications

Oil products

	High sulphur fuel oil	Heavy fuel oil <i>electricity generation</i>	Low sulphur fuel oil	Light fuel oil <i>industry</i>	Kerosene <i>households</i>	Automotive LPG
Quality	Fuel oil C		Fuel oil A		Kerosene	
Density (kg/l)	0.95	0.95	0.95		0.8	0.56
Sulphur content (%)	<3	0.66	<1			
Delivery size (l)				8 000	18	

Natural gas and coal

	Natural gas	Steam coal <i>industry</i>	Coking coal
Sulphur content (%)		0.71	
NCV (kcal/kg)		6 139	
GCV (kcal/kg)*	11 000	5 375	6 928

*kcal/m³ for natural gas

KOREA**Table 1 - Average prices and taxes in won**

Low sulphur fuel oil for industry (per tonne)					High sulphur fuel oil for industry (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	544 220	20 703	56 492	77 196	621 416	555 361	20 703	57 606	78 310	633 671
2010	682 801	20 703	70 350	91 054	773 855	634 945	20 703	65 565	86 268	721 213
2011	894 823	20 703	91 553	112 256	1 007 079	811 565	20 703	83 227	103 930	915 495
2012	1 010 191	20 703	103 089	123 793	1 133 984	925 640	20 703	94 634	115 338	1 040 978
2013	872 034	20 703	89 274	109 977	982 011	793 646	20 703	81 435	102 138	895 785
2014	812 560	20 703	83 326	104 030	916 590	709 879	20 703	73 058	93 762	803 641
2015	521 589	20 703	54 229	74 933	596 522	428 080	20 703	44 878	65 582	493 661
2016	432 083	20 703	45 279	65 982	498 065	341 866	20 703	36 257	56 960	398 827
2017	540 980	20 703	56 168	76 872	617 851	455 073	20 703	47 578	68 281	523 355
2018	631 217	20 703	65 192	85 895	717 112	569 435	20 703	59 014	79 717	649 152
2019	649 029	20 703	66 973	87 677	736 706	556 081	20 703	57 678	78 382	634 463
3Q2019	682 758	20 704	70 346	91 050	773 808	549 144	20 704	56 985	77 688	626 833
4Q2019	634 330	20 703	65 503	86 207	720 537	534 117	20 703	55 482	76 186	610 303
1Q2020	669 510	20 703	69 021	89 725	759 235	536 828	20 703	55 753	76 457	613 285
2Q2020	385 518	20 703	40 622	61 326	446 844	381 579	20 703	40 228	60 932	442 511
3Q2020
Light fuel oil for industry (per 1000 litres)					Kerosene for households (per 1000 litres)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	779 038	98 325	87 736	186 061	965 099	789 002	98 480	88 748	187 228	976 230
2010	865 855	103 500	96 935	200 435	1 066 290	874 682	103 500	97 818	201 318	1 076 000
2011	x	x	x	x	x	1 097 609	103 500	120 111	223 611	1 321 220
2012	x	x	x	x	x	1 163 836	103 500	126 734	230 234	1 394 070
2013	x	x	x	x	x	1 138 936	103 500	124 244	227 744	1 366 680
2014	x	x	x	x	x	1 090 986	87 850	117 884	205 734	1 296 720
2015	x	x	x	x	x	788 814	72 450	86 126	158 576	947 390
2016	x	x	x	x	x	640 714	72 450	71 316	143 766	784 480
2017	x	x	x	x	x	703 077	72 450	77 553	150 003	853 080
2018	x	x	x	x	x	784 223	72 450	85 667	158 117	942 340
2019	x	x	x	x	x	801 786	72 450	87 424	159 874	961 660
3Q2019	x	x	x	x	x	808 177	72 450	88 063	160 513	968 690
4Q2019	x	x	x	x	x	811 059	72 450	88 351	160 801	971 860
1Q2020	x	x	x	x	x	799 041	72 450	87 149	159 599	958 640
2Q2020	x	x	x	x	x	672 423	72 450	74 487	146 937	819 360
3Q2020	x	x	x	x	x
Automotive diesel for commercial use (per litre)					Automotive diesel for non-commercial use (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	749.96	520.47	127.04	647.51	1 397.47
2010	848.00	518.18	136.62	654.80	1 502.80
2011	1 068.83	518.18	158.70	676.88	1 745.71
2012	1 113.38	528.75	164.21	692.96	1 806.34
2013	1 043.62	528.75	157.24	685.99	1 729.61
2014	959.14	528.75	148.79	677.54	1 636.68
2015	652.68	528.75	118.14	646.89	1 299.57
2016	546.29	528.75	107.50	636.25	1 182.54
2017	637.19	528.75	116.59	645.34	1 282.53
2018	748.72	516.64	126.54	643.18	1 391.90
2019	728.91	489.74	121.87	611.61	1 340.52
3Q2019	733.53	504.04	123.76	627.80	1 361.33
4Q2019	729.98	528.75	125.87	654.62	1 384.60
1Q2020	697.81	528.75	122.66	651.41	1 349.22
2Q2020	478.74	528.75	100.75	629.50	1 108.24
3Q2020

KOREA**Table 2 - Average prices and taxes in won**

Premium unleaded (95 RON) gasoline (per litre)						Regular unleaded (92 RON) gasoline (per litre)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	844.04	781.66	162.57	944.23	1 788.27	709.54	745.66	145.52	891.18	1 600.72
2010	955.06	781.89	173.69	955.58	1 910.64	809.03	745.89	155.49	901.38	1 710.41
2011	1 160.10	781.89	194.20	976.09	2 136.19	1 007.98	745.89	175.39	921.28	1 929.26
2012	1 248.72	781.89	203.06	984.95	2 233.67	1 059.35	745.89	180.52	926.41	1 985.76
2013	1 232.80	781.89	201.47	983.36	2 216.16	1 003.64	745.89	174.95	920.84	1 924.48
2014	1 183.80	781.89	196.57	978.46	2 162.26	915.27	745.89	166.12	912.01	1 827.28
2015	923.69	781.89	170.56	952.45	1 876.14	627.20	745.89	137.31	883.20	1 510.40
2016	815.92	781.89	159.78	941.67	1 757.59	529.24	745.89	127.51	873.40	1 402.64
2017	877.28	781.89	165.92	947.81	1 825.09	609.84	745.89	135.57	881.46	1 491.30
2018	941.98	764.80	170.68	935.48	1 877.46	708.81	728.80	143.76	872.56	1 581.37
2019	897.32	726.72	162.40	889.12	1 786.44	647.86	690.72	133.86	824.58	1 472.44
3Q2019	896.61	746.74	164.34	911.08	1 807.69	657.40	710.74	136.78	847.52	1 504.56
4Q2019	877.03	781.89	165.89	947.78	1 824.81	655.56	745.89	140.14	886.03	1 541.59
1Q2020	858.63	781.89	164.05	945.94	1 804.57	642.48	745.89	138.84	884.73	1 527.21
2Q2020	683.85	781.89	146.57	928.46	1 612.31	435.96	745.89	118.18	864.07	1 300.03
3Q2020
Automotive LPG for non-commercial use (per litre)						Natural gas for industry (per megawatt hour GCV)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	532.30	221.06	75.34	296.40	828.70	56 459	-	-	-	56 459
2010	644.54	221.06	86.56	307.62	952.16	55 654	-	-	-	55 654
2011	757.19	221.06	97.83	318.89	1 076.08	65 318	-	-	-	65 318
2012	780.63	221.06	100.17	321.23	1 101.86	69 212	-	-	-	69 212
2013	752.37	221.06	97.34	318.40	1 070.77	72 536	-	-	-	72 536
2014	734.59	221.06	95.57	316.63	1 051.22	76 148	-	-	-	76 148
2015	511.99	221.06	73.31	294.37	806.36	56 247	-	-	-	56 247
2016	446.25	221.06	66.73	287.79	734.04	47 509	-	-	-	47 509
2017	530.27	221.06	75.13	296.19	826.46	49 354	-	-	-	49 354
2018	573.97	221.06	79.50	300.56	874.53	47 527	..	-	-	47 527
2019	511.91	221.06	73.30	294.36	806.27	50 237	..	-	-	50 237
3Q2019	504.82	212.47	71.73	284.20	789.02	49 338	..	-	-	49 338
4Q2019	510.67	221.06	73.17	294.23	804.90	52 077	..	-	-	52 077
1Q2020	557.20	221.06	77.83	298.89	856.09	53 411	..	-	-	53 411
2Q2020	473.37	221.06	69.44	290.50	763.87	51 409	..	-	-	51 409
3Q2020
Natural gas for electricity generation (per megawatt hour GCV)						Natural gas for households (per megawatt hour GCV)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	47 608	-	-	-	47 608	60 225	-	6 023	6 023	66 247
2010	51 369	-	-	-	51 369	60 732	-	6 073	6 073	66 805
2011	58 899	-	-	-	58 899	69 989	-	6 999	6 999	76 987
2012	63 459	-	-	-	63 459	74 293	-	7 429	7 429	81 723
2013	65 995	-	-	-	65 995	78 533	-	7 853	7 853	86 386
2014	69 607	-	-	-	69 607	82 322	-	8 232	8 232	90 554
2015	50 146	-	-	-	50 146	65 428	-	6 543	6 543	71 971
2016	39 035	-	-	-	39 035	58 044	-	5 804	5 804	63 849
2017	43 603	-	-	-	43 603	59 781	-	5 978	5 978	65 759
2018	50 563	..	-	-	50 563	57 912	..	5 791	5 791	63 703
2019	47 379	..	-	-	47 379	60 105	..	6 011	6 011	66 115
3Q2019	43 022	..	-	-	43 022	71 275	..	7 128	7 128	78 402
4Q2019	43 467	..	-	-	43 467	61 250	..	6 125	6 125	67 375
1Q2020	42 479	..	-	-	42 479	60 536	..	6 054	6 054	66 589
2Q2020	42 648	..	-	-	42 648	53 638	..	5 364	5 364	59 001
3Q2020

KOREA**Table 3 - Average prices and taxes in won**

Steam coal for industry (per tonne)					Steam coal for electricity generation (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	113 138	105 229
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020
Steam coal for households (per tonne)					Coking coal for industry (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	203 671
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020
Electricity for industry (per megawatt hour)					Electricity for households (per megawatt hour)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	73 690	2 727	-	2 727	76 417	98 070	3 629	9 807	13 436	111 506
2010	76 630	2 835	-	2 835	79 465	103 380	3 825	10 338	14 163	117 543
2011	81 230	3 006	-	3 006	84 236	119 990	4 440	11 999	16 439	136 429
2012	92 830	3 435	-	3 435	96 265	123 690	4 577	12 369	16 946	140 636
2013	100 700	3 726	-	3 726	104 426	127 020	4 700	12 702	17 402	144 422
2014	106 830	3 953	-	3 953	110 783	125 140	4 630	12 514	17 144	142 284
2015	107 410	3 974	-	3 974	111 384	123 690	4 577	12 369	16 946	140 636
2016	107 110	3 963	-	3 963	111 073	121 520	4 496	12 152	16 648	138 168
2017	107 408	3 974	-	3 974	111 382	108 504	4 015	10 850	14 865	123 369
2018	106 456	3 939	-	3 939	110 395	106 872	3 954	10 687	14 642	121 514
2019	106 560	3 943	-	3 943	110 502	104 953	3 883	10 495	14 379	119 332
3Q2019	110 605	4 092	-	4 092	114 697	104 115	3 852	10 412	14 264	118 378
4Q2019	107 346	3 972	-	3 972	111 317	103 315	3 823	10 332	14 154	117 469
1Q2020	108 703	4 022	-	4 022	112 725	110 769	4 099	11 077	15 175	125 945
2Q2020	101 962	3 773	-	3 773	105 734	106 349	3 935	10 635	14 570	120 919
3Q2020

KOREA**Table 4 - Indices of energy prices**

	Oil products		Electricity		Natural gas		Coal	
	Wholesale 2015 = 100	Retail 2015 = 100						
1999	51.8	70.8	63.8	92.6	40.4	45.6	38.9	55.4
2000	61.6	75.1	67.1	93.0	60.0	52.1	44.7	55.1
2001	65.2	77.6	69.3	97.3	61.4	61.8	44.7	55.3
2002	66.4	77.6	69.1	95.9	57.3	55.4	44.7	55.3
2003	73.9	80.0	69.1	92.8	65.0	58.3	47.0	56.6
2004	83.5	84.9	68.1	90.4	73.5	60.1	49.3	58.6
2005	93.8	89.8	67.9	89.6	89.9	62.9	53.8	60.4
2006	103.8	95.5	69.4	91.0	96.7	72.0	58.2	61.6
2007	109.3	98.5	71.7	91.3	95.3	75.5	64.0	66.2
2008	144.5	115.5	71.7	91.3	83.2	80.9	72.2	78.3
2009	122.1	104.9	75.9	91.3	107.7	86.2	82.0	85.4
2010	138.4	114.2	78.9	92.1	112.4	89.7	86.8	99.1
2011	175.6	129.2	81.8	94.0	126.8	97.7	92.2	99.1
2012	184.0	133.9	88.9	95.9	134.6	105.2	99.8	99.2
2013	172.6	129.2	95.8	99.5	130.5	111.7	99.9	99.8
2014	155.3	123.4	100.5	101.7	125.6	118.8	100.6	100.0
2015	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2016	84.6	92.1	99.2	95.9	86.9	82.7	102.0	103.1
2017	101.3	99.2	98.6	89.8	94.5	85.6	109.5	113.6
2018	120.9	105.9	98.3	87.2	97.7	81.9	118.3	130.5
2019	115.7	99.5	98.3	87.4	101.4	84.8	126.1	148.4
3Q2012	180.6	131.8	89.9	96.4	135.0	107.5	99.8	99.1
4Q2012	178.1	132.6	91.3	97.1	126.1	107.5	99.8	99.4
1Q2013	178.1	131.7	94.7	99.0	130.9	109.0	99.8	99.6
2Q2013	168.8	128.6	95.3	99.0	134.5	111.9	99.8	99.7
3Q2013	174.1	129.8	95.3	99.0	128.4	112.7	100.0	99.8
4Q2013	169.4	126.9	97.7	100.8	128.0	113.1	100.2	100.1
1Q2014	169.6	127.8	100.5	101.7	128.2	119.2	100.8	100.2
2Q2014	164.3	126.3	100.5	101.7	123.9	119.2	100.8	100.0
3Q2014	156.7	123.6	100.5	101.7	124.1	118.4	100.7	99.9
4Q2014	130.5	116.0	100.5	101.7	126.2	118.5	100.2	100.0
1Q2015	100.1	99.6	100.5	101.6	108.9	108.8	100.0	100.0
2Q2015	109.6	102.6	100.5	101.6	93.3	97.1	100.0	100.1
3Q2015	99.8	101.6	99.1	95.1	103.2	95.8	100.0	100.0
4Q2015	90.5	96.2	99.9	101.6	94.7	98.4	100.0	99.9
1Q2016	74.8	89.3	99.9	101.6	90.3	88.0	100.0	99.9
2Q2016	85.2	91.3	99.9	101.6	81.0	80.7	100.0	99.9
3Q2016	84.8	93.6	97.3	82.6	86.4	79.6	100.0	99.9
4Q2016	93.8	94.3	99.9	97.7	90.1	82.4	108.0	112.4
1Q2017	103.2	100.3	98.6	89.8	93.9	84.6	108.0	112.3
2Q2017	96.1	98.3	98.6	89.8	95.0	87.1	108.0	112.2
3Q2017	97.3	96.7	98.6	89.8	93.5	87.7	108.0	112.2
4Q2017	108.6	101.8	98.6	89.8	95.5	82.9	113.8	117.8
1Q2018	111.9	104.0	98.6	89.8	94.3	80.5	116.7	129.2
2Q2018	120.2	104.9	98.6	89.8	97.2	80.5	116.7	129.0
3Q2018	129.5	108.1	97.1	79.3	99.5	83.3	116.7	128.6
4Q2018	122.1	106.7	98.7	89.8	99.8	83.3	123.0	135.1
1Q2019	109.2	92.7	98.7	89.8	98.1	83.2	126.1	148.5
2Q2019	119.8	100.8	98.7	89.8	98.6	83.2	126.1	148.4
3Q2019	115.8	101.2	97.2	80.1	106.0	86.3	126.1	148.3
4Q2019	117.9	103.3	98.7	89.8	102.9	86.3	126.1	148.3
1Q2020	105.3	102.8	98.7	89.8	103.4	86.3	126.1	148.3
2Q2020	68.8	86.7	98.7	89.8	109.1	86.3	126.1	148.3
3Q2020

KOREA

Sources

Prices and taxes data for oil products are provided on a quarterly basis by the **Korea National Oil Company (KNOC)**.

Natural gas and electricity prices are provided on a quarterly basis by the **Korea Energy Economics Institute (KEEI)**.

Energy price indices are collected from the **Bank of Korea** website.

Data collection methodology

Oil products

For premium and regular gasoline, automotive diesel, LPG and kerosene for households, end-use prices are collected using an electronic reporting system known as VAN (value-added network). Around 94% of the country's filling stations report their credit card transaction data through this system. After sorting and validation, the data are transmitted to the KNOC's servers. The rest of the country's filling stations use other data transmission methods such as the Automatic Response System (ARS) and a direct input on the KNOC's website. Prices data transmission to the KNOC, a public company, is an obligation for all oil product sellers under Korea's Oil Act. Therefore, average end-use prices include all oil product sellers in the country and are highly representative.

Ex-tax prices and tax components are subsequently derived by KNOC using the applicable tax rates, as set by the relevant legislation.

Distribution and production of light fuel oil for industry in Korea was banned by law on 1 July 2011.

Natural gas

Ex-tax prices are derived from monthly revenues for natural gas sales to households and industry, provided by natural gas distribution companies throughout the country and published by the Korea City Gas Association in the *Monthly City Gas Statistics* and *Annual City Gas Statistics* reports.

Natural gas prices are based on the price tables and sales figures published by the Korea City Gas Association, which include the individual consumption tax. Therefore, ex-tax prices shown in the tables include the individual consumption tax.

Prices for households refer to individual and central heating but exclude natural gas used for cooking. Quarterly prices for households are computed using provisional values.

Prices for electricity generation are derived from monthly revenues for natural gas sold to electric utilities by the Korea Gas Corporation (KOGAS).

Quarterly prices for households from 1Q2001 to 4Q2012 are not available.

Electricity

From 1Q1997 onwards, prices are derived from monthly revenues for electricity sales to industry and households, published by the Korea Electric Power Corporation (KEPCO) in its *Monthly Report on Major Electric Power Statistics*.

Quarterly prices for households from 1Q1997 to 4Q2002 are not available.

Energy price indices

Quarterly and annual indices are computed as arithmetic averages of the relevant monthly indices, as published in the Bank of Korea's Economic Statistics System website.

Wholesale price indices for oil products refer to the *Producer price indices (basic groups)*, *refined petroleum products* series. Retail price indices refer to the *Consumer price indices (all cities)*, *fuels and lubricants for personal transport equipment* series, which include gasoline, diesel and automotive LPG.

Wholesale price indices for electricity refer to the *Producer price indices (basic groups)*, *electric power* series. Retail price indices refer to the *Consumer price indices (all cities)*, *electricity* series.

Wholesale price indices for natural gas refer to the *Producer price indices (item groups)*, *natural gas* series. Retail price indices refer to the *Consumer price indices (all cities)*, *city gas* series.

Wholesale price indices for coal refer to the *Producer price indices (basic groups)*, *anthracite* series. Retail price indices refer to the *Consumer price indices (all cities)*, *briquet* series.

Energy taxation

VAT

According to the Restriction of Special Taxation Act, VAT (부가세) is refunded for purchases for commercial purposes such as the farming and fishing industry and electricity generation sectors. Therefore, it is not included in prices shown for the industrial and electricity generation sectors, as well as for automotive fuels for commercial use.

VAT was introduced on 1 July 1977 at a rate of 10%. In contrast with other OECD countries, where rates were revised upwards on several occasions in the last decades, the VAT rate in Korea has been kept constant since its introduction.

From	To	%
01.07.77	now	10

Excise tax

Depending on the product, fuels sales to end-users in Korea are subject to a series of taxes set at differential rates.

Electricity consumption in Korea is not taxed, but fuels used to generate electricity are. Fuels used to produce commercial heat are not taxed.

The excise tax columns in Tables 1, 2 and 3 is the sum of the applicable tax components.

Tax applicability table (not exhaustive)

	HSFO/LSFO	Kerosene	Diesel	Premium gasoline	Regular gasoline	LPG	Natural gas	Coal	Electricity
Transportation, energy and environment tax			x	x	x				
Individual consumption tax	x	x				x	x	x	
Education tax	x	x	x	x	x	x	x	x	
Motor fuel tax			x	x	x				
Sales charges				x		x			
Electric power industry base fund									x

Transportation, energy and environment tax (교통·에너지·환경세)

The transportation, energy and environment tax levied on gasoline and diesel sales is the largest excise tax component for these products. The revenue from this tax is earmarked for energy and transportation infrastructure and environmental protection, among others.

Established on 31 December 1993 by the Transportation, Energy and Environment Tax Law, this tax came into force on 1 January 1994. Rates for gasoline and diesel are expressed on a volume basis and are regularly updated through presidential decrees.

Individual consumption tax (개별소비세)

The individual consumption tax was introduced on 22 December 1976 and came into effect on 1 July 1977. Currently, it is levied on kerosene, heavy fuel oil, LPG, coal and natural gas sales in Korea and is the largest excise tax component for these products. The revenue from this tax is earmarked used for general government spending.

Rates are expressed on a per litre basis for kerosene and heavy fuel oil, and on a per kilogram basis for LPG and natural gas. Propane and butane, the two main hydrocarbons in LPG, are subject to different tax rates.

Education tax (교육세)

The education tax was introduced on 5 December 1981 and came into effect on 1 January 1982. Currently, it is levied on all fuel sales and calculated as 15% of the individual consumption tax or the transportation, energy and environment tax, as applicable. The revenue from this tax is earmarked for government spending on education.

Motor fuel tax (주행세)

The motor fuel tax was introduced on 28 December 1999 and came into effect on 1 January 2000. Currently, it is levied on gasoline and diesel sales, and is calculated as 26% of the transportation, energy and environment tax amount as applicable. The revenue from this tax is earmarked for financing subsidized fuel prices for commercial users, among other uses.

Sales charges (판매부과금)

Premium gasoline and automotive LPG are subject to a sales charge set at a fixed rate of 36 KRW/l and 36.37 KRW/l, respectively.

Electric power industry base fund (전력기금)

The electric power industry base fund is a mandatory *ad valorem* contribution levied on electricity consumed in the residential and non-residential sectors. It is legally defined in the Electric Utility Act (Art. 48) and was introduced in Korea in 2001.

The tax rate is legally limited to 6.5% of the ex-tax electricity price (Art. 51). The applicable tax rate, set through successive enforcement decrees, was set at 3.23% from June 2001, 4.59% from January 2002, and 3.7% from January 2016 onwards.

Pursuant to Article 49 of the Electric Utility Act, the revenue from this tax is used to support the development of renewable energy sources, the implementation of demand-side management policies, the supply of electricity to remote regions and R&D in the electricity sector.

Individual consumption tax (개별소비세)

From	To	Heavy fuel oil (KRW/tonne)	Kerosene (KRW/1000l)	Automotive LPG (KRW/l)	Propane (KRW/tonne)	Butane (KRW/tonne)
01.01.97	31.12.97		25000		18000	18000
01.01.98	08.01.98		25000	23.36	40000	40000
09.01.98	01.03.00		60000	23.36	40000	40000
02.03.00	30.04.00		43000	23.36	40000	40000
01.05.00	30.06.01		60000	23.36	40000	40000
01.07.01	30.06.02	3176.9	82000	66.58	40000	114000
01.07.02	30.06.03	6353.9	107000	118.55	40000	203000
01.07.03	30.06.04	9530.8	131000	173.45	40000	297000
01.07.04	30.06.05	11648.8	154000	223.09	40000	382000
01.07.05	07.07.05	15884.7	178000	223.09	40000	382000
08.07.05	31.12.05	15884.7	154000	223.09	40000	382000
01.01.06	30.06.07	15884.7	154000	178.70	40000	306000
01.07.06	22.07.07	18002.6	134000	178.70	40000	306000
23.07.07	31.12.07	18002.6	134000	160.60	40000	275000
01.01.08	29.02.08	18002.6	63000	160.60	28000	275000
01.03.08	09.03.08	18002.6	90000	160.60	28000	275000
10.03.08	27.03.08	18002.6	90000	147.17	28000	252000
28.03.08	30.06.08	18002.6	90000	147.17	20000	252000
01.03.08	30.11.08	18002.6	90000	147.17	20000	252000
01.12.08	31.12.08	18002.6	63000	147.17	14000	252000
01.01.09	28.02.09	18002.6	63000	160.60	14000	275000
01.03.09	18.11.09	18002.6	90000	160.60	20000	275000
19.11.09	31.12.11	18002.6	90000	160.60	20000	275000
01.01.12	30.04.12	18002.6	90000	160.60	14000	275000
01.05.12	30.06.14	18002.6	90000	160.60	20000	275000
01.07.14	05.11.18	18002.6	63000	160.60	14000	275000
06.11.18	06.05.19	18002.6	63000	136.66	14000	234000
07.05.19	31.08.19	18002.6	63000	149.50	14000	256000
01.09.19	now	18002.6	63000	160.60	14000	275000

Transportation, energy and environment tax (교통·에너지·환경세)

From	To	Automotive diesel (KRW/l)	Gasoline (KRW/l)
01.01.97	08.01.98	48	414
09.01.98	02.05.98	85	455
03.05.98	16.09.98	110	591
17.09.98	05.05.99	160	691
06.05.99	31.12.99	160	651
01.01.00	01.03.00	155	630
02.03.00	30.04.00	137	600
01.05.00	30.06.01	155	630
01.07.01	30.06.02	185	588
01.07.02	30.06.03	232	586
01.07.03	29.02.04	261	572
01.03.04	30.06.04	255	559
<hr/>			
01.07.04	07.07.05	287	559
08.07.05	30.06.06	323	545
01.07.06	22.07.07	349.25	535
23.07.07	09.03.08	354.42	526
10.03.08	06.10.08	331.65	505
07.10.08	31.12.08	324.72	472
01.01.09	20.05.09	358.54	462
21.05.09	18.11.09	369.38	514
19.11.09	31.12.09	369.38	529
01.01.10	31.12.11	367.5	529
01.01.12	05.11.18	375	529
06.11.18	06.05.19	319	450
07.05.19	31.08.19	349	492
01.09.19	now	375	529

Sales charges (판매부과금)

From	To	Premium gasoline (KRW/l)	Kerosene (KRW/1000l)	Automotive LPG (KRW/l)
01.01.97	31.12.97	36	20000	
01.01.98	30.06.01	36	20000	11.68
01.07.01	30.06.02	36	23000	11.11
01.07.02	30.06.03	36	23000	15.15
01.07.03	30.06.04	36	23000	17.18
01.07.04	31.12.05	36	23000	25.58
01.01.06	31.12.07	36	23000	36.37
01.01.08	now	36	0	36.37

Product specifications

Oil products

	High sulphur fuel oil	Low sulphur fuel oil	Light fuel oil <i>industry</i>	Kerosene <i>households</i>	Automotive diesel	Premium unleaded (95 RON) gasoline	Regular unleaded gasoline	Automotive LPG
Quality	Bunker type C >> 3.0%	Bunker type C < 1.0%	Heating oil	Kerosene				Butane
Density (kg/l)	0.944	0.944	0.87	0.87	0.84	0.74	0.74	0.584
Sulphur content (%)	>3	<1						
NCV (kcal/kg)	9 203	9 203	8 117	8 356	8 476	7 164		

Natural gas

	Natural gas
GCV (kcal/m ³)	10 400

LATVIA**Table 1 - Average prices and taxes in euros**

Low sulphur fuel oil for industry (per tonne)					High sulphur fuel oil for industry (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	146.37	15.65	-	15.65	162.02
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020
Light fuel oil for industry (per 1000 litres)					Light fuel oil for households (per 1000 litres)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	428.37	21.34	-	21.34	449.71	428.37	21.34	94.44	115.78	544.15
2010	557.23	26.90	-	26.90	584.13	557.23	26.90	122.67	149.57	706.79
2011	714.69	36.16	-	36.16	750.85	714.69	36.16	165.19	201.35	916.04
2012	783.58	34.98	-	34.98	818.56	783.58	34.98	176.21	211.19	994.77
2013	727.95	35.27	-	35.27	763.22	727.95	35.27	160.28	195.55	923.50
2014	683.06	40.82	-	40.82	723.89	683.06	40.82	152.02	192.84	875.90
2015	519.50	48.49	-	48.49	567.98	519.50	48.49	119.28	167.76	687.26
2016	435.98	45.78	-	45.78	481.76	435.98	45.78	101.17	146.95	582.93
2017	516.52	46.03	-	46.03	562.56	516.52	46.03	118.14	164.17	680.69
2018	588.68	46.41	-	46.41	635.10	588.68	46.41	133.37	179.78	768.47
2019	606.88	48.14	-	48.14	655.02	606.88	48.14	137.56	185.70	792.58
3Q2019	597.35	33.32	-	33.32	630.67	597.35	33.32	132.44	165.76	763.11
4Q2019	608.20	57.03	-	57.03	665.23	608.20	57.03	139.70	196.73	804.93
1Q2020	561.37	68.89	-	68.89	630.26	561.37	68.89	132.36	201.25	762.62
2Q2020	359.95	33.32	-	33.32	393.27	359.95	33.32	82.59	115.91	475.85
3Q2020	435.46	33.32	-	33.32	468.78	435.46	33.32	98.44	131.76	567.22
Automotive diesel for commercial use (per litre)					Automotive diesel for non-commercial use (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.435	0.326	-	0.326	0.761	0.435	0.326	0.160	0.486	0.921
2010	0.560	0.328	-	0.328	0.887	0.560	0.328	0.186	0.514	1.073
2011	0.715	0.333	-	0.333	1.048	0.715	0.333	0.231	0.564	1.279
2012	0.771	0.349	-	0.349	1.120	0.771	0.349	0.241	0.590	1.361
2013	0.728	0.351	-	0.351	1.079	0.728	0.351	0.227	0.578	1.306
2014	0.690	0.349	-	0.349	1.038	0.690	0.349	0.218	0.567	1.256
2015	0.531	0.345	-	0.345	0.876	0.531	0.345	0.184	0.528	1.059
2016	0.437	0.350	-	0.350	0.787	0.437	0.350	0.165	0.515	0.952
2017	0.516	0.350	-	0.350	0.865	0.516	0.350	0.182	0.532	1.047
2018	0.587	0.397	-	0.397	0.984	0.587	0.397	0.207	0.603	1.190
2019	0.607	0.385	-	0.385	0.992	0.607	0.385	0.208	0.593	1.200
3Q2019	0.598	0.384	-	0.384	0.982	0.598	0.384	0.206	0.590	1.188
4Q2019	0.608	0.387	-	0.387	0.995	0.608	0.387	0.209	0.596	1.204
1Q2020	0.561	0.426	-	0.426	0.987	0.561	0.426	0.207	0.633	1.194
2Q2020	0.360	0.426	-	0.426	0.786	0.360	0.426	0.165	0.591	0.951
3Q2020	0.436	0.426	-	0.426	0.862	0.436	0.426	0.181	0.607	1.043

LATVIA**Table 2 - Average prices and taxes in euros**

Premium unleaded (98 RON) gasoline (per litre)					Premium unleaded (95 RON) gasoline (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.418	0.376	0.167	0.543	0.961
2010	0.533	0.374	0.191	0.564	1.097
2011	0.654	0.399	0.232	0.631	1.285
2012	0.719	0.431	0.247	0.678	1.397
2013	0.681	0.433	0.234	0.666	1.347
2014	0.634	0.429	0.223	0.652	1.286
2015	0.508	0.422	0.195	0.618	1.126
2016	0.442	0.444	0.186	0.630	1.072
2017	0.508	0.444	0.200	0.644	1.152
2018	0.551	0.497	0.220	0.717	1.268
2019	0.553	0.488	0.219	0.706	1.259
3Q2019	0.568	0.487	0.222	0.709	1.277
4Q2019	0.561	0.489	0.221	0.710	1.271
1Q2020	0.533	0.520	0.221	0.741	1.274
2Q2020	0.334	0.520	0.179	0.699	1.033
3Q2020	0.418	0.520	0.197	0.717	1.135
Automotive LPG for non-commercial use (per litre)					Natural gas for industry (per megawatt hour GCV)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.300	0.128	0.090	0.217	0.517	34.33	0.03	-	0.03	34.36
2010	0.320	0.128	0.094	0.222	0.542	28.10	0.05	-	0.05	28.16
2011	0.370	0.128	0.110	0.238	0.607	29.49	0.88	-	0.88	30.37
2012	0.383	0.128	0.110	0.238	0.621	35.93	1.51	-	1.51	37.43
2013	0.346	0.135	0.101	0.236	0.582	35.00	1.71	-	1.71	36.71
2014	0.389	0.100	0.103	0.202	0.591	32.77	1.57	-	1.57	34.34
2015	0.356	0.097	0.095	0.192	0.548	30.02	1.70	-	1.70	31.73
2016	0.302	0.120	0.088	0.208	0.509	23.70	1.71	-	1.71	25.41
2017	0.322	0.120	0.093	0.213	0.534	25.41	1.48	-	1.48	26.89
2018	0.297	0.149	0.094	0.243	0.540	29.38	1.40	-	1.40	30.79
2019	0.318	0.143	0.097	0.239	0.557	26.42	1.39	5.84	7.23	33.66
3Q2019	0.313	0.142	0.096	0.238	0.551	23.85	1.40	-	1.40	25.25
4Q2019	0.321	0.144	0.098	0.242	0.563	23.85	1.40	-	1.40	25.25
1Q2020	0.319	0.165	0.102	0.267	0.586
2Q2020	0.231	0.165	0.083	0.248	0.479
3Q2020	0.260	0.165	0.089	0.254	0.514
Natural gas for electricity generation (per megawatt hour GCV)					Natural gas for households (per megawatt hour GCV)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	49.35	0.04	4.94	4.98	54.33
2010	36.51	0.07	3.66	3.73	40.24
2011	37.44	0.91	6.52	7.43	44.87
2012	44.08	1.72	9.85	11.56	55.64
2013	43.81	1.74	9.56	11.30	55.10
2014	42.23	1.70	9.22	10.92	53.15
2015	42.66	1.77	9.33	11.10	53.76
2016	35.88	1.76	7.91	9.67	45.55
2017	c	c	c	c	c	33.10	1.73	7.31	9.04	42.15
2018	c	c	c	c	c	35.41	1.69	7.79	9.48	44.89
2019	c	c	c	c	c	38.34	1.70	8.41	10.11	48.45
3Q2019	c	c	c	c	c	35.09	1.70	7.73	9.43	44.52
4Q2019	c	c	c	c	c	35.09	1.70	7.73	9.43	44.52
1Q2020	c	c	c	c	c
2Q2020	c	c	c	c	c
3Q2020	c	c	c	c	c

LATVIA**Table 3 - Average prices and taxes in euros**

Steam coal for industry (per tonne)					Steam coal for electricity generation (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020
Steam coal for households (per tonne)					Coking coal for industry (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020
Electricity for industry (per megawatt hour)					Electricity for households (per megawatt hour)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	89.89	-	-	-	89.89	96.04	-	9.60	9.60	105.65
2010	87.71	-	-	-	87.71	96.12	-	9.61	9.61	105.73
2011	103.87	-	-	-	103.87	102.94	-	22.65	22.65	125.59
2012	89.25	17.50	-	17.50	106.75	101.32	8.75	23.12	31.87	133.19
2013	92.81	22.21	-	22.21	115.02	87.38	22.21	23.01	45.23	132.60
2014	79.36	26.79	-	26.79	106.15	83.58	26.79	23.18	49.97	133.55
2015	70.72	26.79	-	26.79	97.51	107.52	26.79	28.21	55.00	162.52
2016	72.49	26.79	-	26.79	99.28	109.29	26.79	28.58	55.37	164.65
2017	82.97	26.79	-	26.79	109.76	106.59	26.79	28.01	54.80	161.39
2018	85.59	23.28	-	23.28	108.88	107.26	24.56	27.68	52.25	159.51
2019	88.56	22.48	-	22.48	111.04	117.71	23.28	29.61	52.89	170.60
3Q2019	89.56	22.73	-	22.73	112.29	118.76	23.85	29.95	53.80	172.56
4Q2019	89.56	22.73	-	22.73	112.29	118.76	23.85	29.95	53.80	172.56
1Q2020
2Q2020
3Q2020

LATVIA**Table 4 - Indices of energy prices**

	Oil products		Electricity		Natural gas		Coal	
	Wholesale	Retail 2015 = 100	Wholesale	Retail 2015 = 100	Wholesale	Retail 2015 = 100	Wholesale	Retail 2015 = 100
1999	..	42.5	..	32.7	..	29.4	..	37.8
2000	..	48.6	..	32.7	..	32.8	..	35.4
2001	..	48.3	..	32.7	..	33.4	..	35.9
2002	..	47.8	..	32.7	..	31.9	..	36.8
2003	..	51.5	..	32.7	..	33.3	..	40.8
2004	..	58.6	..	37.8	..	36.1	..	44.7
2005	..	72.9	..	37.8	..	45.2	..	52.3
2006	..	78.7	..	39.9	..	58.4	..	61.2
2007	..	82.3	..	42.8	..	59.8	..	76.0
2008	..	95.1	..	55.4	..	79.8	..	88.8
2009	..	87.0	..	62.4	..	92.0	..	83.9
2010	..	99.7	..	62.4	..	87.1	..	81.5
2011	..	117.1	..	76.6	..	95.1	..	92.1
2012	..	125.7	..	78.7	..	110.7	..	93.4
2013	..	121.3	..	78.4	..	107.3	..	95.4
2014	..	116.9	..	78.4	..	105.5	..	100.6
2015	..	100.0	..	100.0	..	100.0	..	100.0
2016	..	92.3	..	98.1	..	89.1	..	99.0
2017	..	99.9	..	97.5	..	89.7	..	101.1
2018	..	112.3	..	96.5	..	94.6	..	118.2
2019	..	112.7	..	105.2	..	100.0	..	121.2
3Q2012	..	125.7	..	78.4	..	112.4	..	93.1
4Q2012	..	124.7	..	78.4	..	112.5	..	93.5
1Q2013	..	124.7	..	78.4	..	108.1	..	93.8
2Q2013	..	120.2	..	78.4	..	107.8	..	93.1
3Q2013	..	121.7	..	78.4	..	106.7	..	94.5
4Q2013	..	118.4	..	78.4	..	106.7	..	100.0
1Q2014	..	119.5	..	78.4	..	105.5	..	101.0
2Q2014	..	119.1	..	78.4	..	105.4	..	100.5
3Q2014	..	118.4	..	78.4	..	105.5	..	100.0
4Q2014	..	110.6	..	78.4	..	105.5	..	100.9
1Q2015	..	99.4	..	100.0	..	104.4	..	100.6
2Q2015	..	105.4	..	100.0	..	104.6	..	100.8
3Q2015	..	101.4	..	100.0	..	95.4	..	98.4
4Q2015	..	93.7	..	100.0	..	95.5	..	100.2
1Q2016	..	87.9	..	98.1	..	93.0	..	100.2
2Q2016	..	92.1	..	98.1	..	93.1	..	99.7
3Q2016	..	92.0	..	98.1	..	85.0	..	97.9
4Q2016	..	97.0	..	98.1	..	85.0	..	98.4
1Q2017	..	103.1	..	97.5	..	88.6	..	99.8
2Q2017	..	99.0	..	97.5	..	88.6	..	100.1
3Q2017	..	95.7	..	97.6	..	90.9	..	100.8
4Q2017	..	102.0	..	97.5	..	90.7	..	103.8
1Q2018	..	108.2	..	97.6	..	89.7	..	114.0
2Q2018	..	110.7	..	97.7	..	89.5	..	117.3
3Q2018	..	114.1	..	95.4	..	99.2	..	117.9
4Q2018	..	116.1	..	95.3	..	99.8	..	123.6
1Q2019	..	109.9	..	105.2	..	107.4	..	122.5
2Q2019	..	115.6	..	105.1	..	107.4	..	120.8
3Q2019	..	112.8	..	105.3	..	92.6	..	121.2
4Q2019	..	112.3	..	105.1	..	92.5	..	120.2
1Q2020	..	113.1	..	102.3	..	87.6	..	117.4
2Q2020	..	92.3	..	102.2	..	87.5	..	114.6
3Q2020

LATVIA

Sources

Prices and taxes data for oil products are based on weekly data published in the **European Commission's Weekly Oil Bulletin**.

Prices and taxes data for natural gas and electricity are provided on a bi-annual basis by the **Central Statistical Bureau of Latvia (CSB)**.

Retail energy price indices, are based on data published by **Eurostat**.

Data collection methodology

Prices and taxes prior to 1 January 2014, the date of entry into the Economic and Monetary Union, have been converted from Latvian lats using the appropriate irrevocable conversion rate of 0.702804 LVL/EUR. This methodology facilitates comparisons within a country over time and ensures that the historical evolution (i.e. growth rates) is preserved. However, pre-EMU euros are a notional unit and are not normally suitable to form area aggregates or to carry out cross-country comparisons.

Oil products

Oil product prices are derived from data published in the European Commission's *Weekly Oil Bulletin*, which reports weekly ex-tax and end-use prices for a series of oil products in all EU countries.

Quarterly and annual figures are calculated as arithmetical averages of the weekly data. Total taxes are calculated as the subtraction of the quarterly and annual ex-tax from the end-use prices. Excise taxes for non-commercial users are calculated by subtracting the VAT from the total taxes. For commercial users, excise taxes are equal to the total taxes, as they are exempt from the VAT.

Natural gas

From 3Q2007 onwards, prices refer to the Eurostat consumption bands D1, D2 and D3 for households; and bands I1, I2, I3, I4 and I5, for industry, covering the whole consumption spectrum for households.

National average prices are computed by CSB as consumption-weighted averages of the average prices per band published by Eurostat. The weights used for this calculation are bi-annual consumption figures per band collected through surveys.

Eurostat data are bi-annual, therefore, prices for 1Q and 2Q are the same, as are those for 3Q and 4Q.

Excise taxes are calculated as the subtraction of the prices excluding taxes from the prices including non-VAT taxes, as published by Eurostat.

Latvia uses a significant share of natural gas for cogeneration power plants. However, prices for natural gas used for electricity generation are confidential from 2Q2017 onwards.

Electricity

From 3Q2007 onwards, prices refer to the Eurostat consumption bands DA, DB, DC, DD and DE for households; and bands IA, IB, IC, ID, IE and IF, for industry, covering the whole consumption spectrum for households.

National average prices are computed by CSB as consumption-weighted averages of the average prices per band published by Eurostat. The weights used for this calculation are bi-annual consumption figures per band collected through surveys.

Eurostat data are bi-annual, therefore, prices for 1Q and 2Q are the same, as are those for 3Q and 4Q.

Excise taxes are calculated as the subtraction of the prices excluding taxes from the prices including non-VAT taxes, as published by Eurostat.

Energy price indices

Annual and quarterly indices are 12-month and 3-month averages, respectively, of the Harmonised Indices of Consumer Prices (HICP) published by Eurostat.

Retail indices for oil products refer to a consumption-weighted average of the *liquid fuels* (cp0453) and *fuels and lubricants for personal transport equipment* (cp0722) series. Relative weights used for the calculations are taken from the associated item weights series (prc_hicp_inw), published by Eurostat.

Retail indices for electricity refer to the *electricity* (cp0451) series.

Retail indices for natural gas refer to the *gas* (cp0452) series.

Energy taxation

VAT

VAT (*PVN*) applies to all energy products. The VAT is refunded for purchases for commercial purposes. Therefore, it is not included in prices shown for industry

and electricity generation and for automotive fuels for commercial use.

From	To	%
01.05.04	30.06.06	18
01.07.06	31.12.08	5
01.01.09	31.12.10	10
01.01.11	30.06.11	12
01.07.11	30.06.12	22
01.07.12	now	21

Excise tax

The legal framework for excise taxation on energy in place in Latvia is consistent with the 2003 EU Energy Taxation Directive.

Excise duties are regulated by the On Excise Duties Law, which came into force on 1 May 2004.

Tax applicability table (not exhaustive)

	HSFO	LFO	Diesel	Gasoline	LPG	Natural gas	Steam coal	Coking coal	Electricity
Excise duties	x	x	x	x	x	x			
Electricity tax									x
Mandatory procurement component									x
Regulation of public utilities fee						x			x
Maintenance of emergency stocks fee	x	x	x	x	x				

Excise duties (*Akcīzes nodoklis*)

The law on Excise Duties establishes the list of commercial oil products taxable by the excise duty including gasoline, automotive diesel, light and heavy fuel oils, LPG and natural gas (expressed on a volume or energy basis).

The excise duty applicable for natural gas used as the heating fuel is 1.65 EUR/MWh (based on the highest heating value of natural gas).

The excise duty applicable for natural gas used as heating fuel in industrial manufacturing processes and other processes related to manufacturing, for operation of technological equipment, for re-treatment of agricultural raw materials, and for the provision of heat for technological purposes in industrial manufacturing premises and premises for pre-treatment of

agricultural raw materials is 0.55 EUR/MWh (based on the highest higher heating value of natural gas).

Electricity tax (*Elektroenerģijas nodoklis*)

The Electricity Tax Law, which came into force on 1 January 2007, establishes a tax on electricity traders. Taxes are paid by electricity traders and direct buyers from market exchanges. Industrial autoproducers (excluding autoproducers with capacity above 2 MW) and producers that use excise products (including coal) for electricity production are exempted from this tax. Electricity for lighting as well as for use in households and public transport are also exempted from this tax.

Mandatory procurement component (*Obligātā iepirkuma komponente*)

The mandatory procurement component of electricity (MPC) is a government support mechanism for producers of renewable or combined heat and power (CHP) electricity. The MPC is financed by electricity end-users. The Electricity Market Act provides that entities which produce electricity from renewable energy sources or provide efficient production of electricity by using renewable energy sources, may acquire the rights to sell produced electricity within the framework of compulsory purchase.

From 2018 onwards, the MPC contains two parts: a fixed component for connection (depending on connection capacity) and a variable component (depending on customer consumption). The MPC is approved by the Public Utilities Commission (*Sabiedrisko pakalpojumu regulēšanas komisija*). Since January 2019, the approved MPC for end-users is 0.02268 EUR/kWh with the following breakdown:

- Fixed component for producers of electricity from CHP: 0.00599 EUR/kWh
- Fixed component for producers of electricity from renewable energy resources: 0.00875 EUR/kWh
- Average variable component on capacity for end users: 0.00794 EUR/kWh

Regulation of public utilities fee (*Valsts nodeva par sabiedrisko pakalpojumu regulēšanu*)

A public utility provider pays a state fee for public service regulation in accordance with the Cabinet of Ministers Regulations No. 1623 on the *Rate of the State Fee for Public Utilities Regulation and the Payment Procedure of the Fee* of 22 December 2009.

The fee is paid by merchants and the rate is 0.2% of the respective net turnover of the relevant public service provided by a public utility provider in the previous calendar year. The minimum rate is 200 EUR.

Maintenance of Emergency Stocks fee

The Cabinet of Ministers Regulations No. 450
Regarding the Amount of the State Petroleum Product Stocks, the Amount of the State Fee to be Paid for the Maintenance of Emergency Stocks, and the Procedures for the Calculation, Payment and Administration

Thereof regulate the state fee for motor gasoline, aviation gasoline, LPG, kerosene, diesel oil, kerosene-type jet fuel, and fuel oil. The state fee is paid by merchants at a rate of 12.35 EUR for each tonne of Category I, II, and III petroleum products released for consumption and consumed within the territory of the Republic of Latvia.

Excise duties (*Akcīzes nodoklis*)

The excise duties in the table below are based on the European Commission's *Excise Duty Tables*.

From	To	Heavy fuel oil (EUR/tonne)	Light fuel oil (EUR/1000l)	Automotive diesel (EUR/l)	Unleaded gasoline (EUR/l)	Automotive LPG (EUR/kg)	Natural gas (EUR/MWh)
01.01.14	31.12.15	15.65	56.91	0.333	0.411	0.161	1.65
01.01.16	31.12.17	15.65	56.91	0.341	0.436	0.206	1.65
01.01.18	now	15.65	56.91	0.372	0.476	0.244	1.65

Electricity tax (*Elektroenerģijas nodoklis*)

From	To	Electricity (EUR/MWh)
01.01.14	now	1.01

LITHUANIA**Table 1 - Average prices and taxes in euros**

Low sulphur fuel oil for industry (per tonne)					High sulphur fuel oil for industry (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	255.43	15.06	-	15.06	270.49
2010	346.79	15.06	-	15.06	361.85
2011	449.73	15.06	-	15.06	464.79
2012	487.61	15.06	-	15.06	502.67
2013	444.57	15.06	-	15.06	459.63
2014	450.62	15.06	-	15.06	465.68
2015	292.65	15.06	-	15.06	307.71
2016	293.06	15.06	-	15.06	308.12
2017	266.63	15.06	-	15.06	281.69
2018	312.72	15.06	-	15.06	327.78
2019	358.35	15.06	-	15.06	373.41
3Q2019	369.88	15.06	-	15.06	384.94
4Q2019	369.88	15.06	-	15.06	384.94
1Q2020	369.88	15.06	-	15.06	384.94
2Q2020	366.80	15.06	-	15.06	381.86
3Q2020	323.74	15.06	-	15.06	338.80
Light fuel oil for industry (per 1000 litres)					Light fuel oil for households (per 1000 litres)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	387.49	21.14	-	21.14	408.64	387.49	21.14	80.20	101.34	488.83
2010	502.27	21.14	-	21.14	523.41	502.27	21.14	109.92	131.06	633.33
2011	644.18	21.14	-	21.14	665.32	644.18	21.14	139.72	160.86	805.04
2012	702.69	21.14	-	21.14	723.83	702.69	21.14	152.00	173.15	875.83
2013	653.23	21.14	-	21.14	674.37	653.23	21.14	141.62	162.76	815.99
2014	602.77	21.14	-	21.14	623.91	602.77	21.14	131.02	152.16	754.93
2015	451.81	21.14	-	21.14	472.95	451.81	21.14	99.32	120.46	572.27
2016	361.44	21.14	-	21.14	382.58	361.44	21.14	80.34	101.48	462.92
2017	448.81	21.14	-	21.14	469.95	448.81	21.14	98.69	119.83	568.64
2018	521.56	21.14	-	21.14	542.70	521.56	21.14	113.97	135.11	656.67
2019	514.34	21.14	-	21.14	535.48	514.34	21.14	112.45	133.59	647.94
3Q2019	502.94	21.14	-	21.14	524.08	502.94	21.14	110.06	131.20	634.13
4Q2019	517.12	21.14	-	21.14	538.26	517.12	21.14	113.03	134.17	651.29
1Q2020	460.11	21.14	-	21.14	481.25	460.11	21.14	101.06	122.20	582.32
2Q2020	276.37	21.14	-	21.14	297.51	276.37	21.14	62.48	83.62	359.99
3Q2020	320.16	21.14	-	21.14	341.30	320.16	21.14	71.67	92.81	412.97
Automotive diesel for commercial use (per litre)					Automotive diesel for non-commercial use (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.436	0.307	-	0.307	0.743	0.436	0.307	0.146	0.453	0.889
2010	0.567	0.274	-	0.274	0.841	0.567	0.274	0.177	0.451	1.017
2011	0.720	0.302	-	0.302	1.022	0.720	0.302	0.215	0.517	1.236
2012	0.798	0.302	-	0.302	1.100	0.798	0.302	0.231	0.533	1.331
2013	0.762	0.330	-	0.330	1.092	0.762	0.330	0.229	0.559	1.322
2014	0.716	0.330	-	0.330	1.046	0.716	0.330	0.220	0.550	1.265
2015	0.553	0.330	-	0.330	0.883	0.553	0.330	0.185	0.515	1.068
2016	0.454	0.330	-	0.330	0.784	0.454	0.330	0.165	0.495	0.948
2017	0.521	0.330	-	0.330	0.851	0.521	0.330	0.179	0.509	1.030
2018	0.602	0.347	-	0.347	0.949	0.602	0.347	0.199	0.546	1.148
2019	0.597	0.348	-	0.348	0.944	0.597	0.348	0.198	0.546	1.142
3Q2019	0.598	0.347	-	0.347	0.945	0.598	0.347	0.198	0.545	1.143
4Q2019	0.598	0.349	-	0.349	0.947	0.598	0.349	0.199	0.548	1.146
1Q2020	0.560	0.372	-	0.372	0.932	0.560	0.372	0.196	0.568	1.128
2Q2020	0.390	0.372	-	0.372	0.762	0.390	0.372	0.160	0.532	0.922
3Q2020	0.436	0.372	-	0.372	0.808	0.436	0.372	0.170	0.542	0.978

LITHUANIA**Table 2 - Average prices and taxes in euros**

Premium unleaded (98 RON) gasoline (per litre)					Premium unleaded (95 RON) gasoline (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.418	0.434	0.168	0.602	1.020
2010	0.537	0.434	0.204	0.639	1.176
2011	0.659	0.434	0.230	0.664	1.323
2012	0.731	0.434	0.245	0.679	1.410
2013	0.701	0.434	0.239	0.673	1.373
2014	0.653	0.434	0.228	0.662	1.315
2015	0.519	0.434	0.200	0.634	1.153
2016	0.445	0.434	0.185	0.619	1.063
2017	0.502	0.434	0.197	0.631	1.133
2018	0.568	0.434	0.210	0.644	1.212
2019	0.558	0.435	0.208	0.643	1.200
3Q2019	0.584	0.434	0.214	0.648	1.232
4Q2019	0.566	0.436	0.210	0.646	1.212
1Q2020	0.530	0.466	0.209	0.675	1.205
2Q2020	0.378	0.466	0.177	0.643	1.021
3Q2020	0.432	0.466	0.189	0.655	1.087
Automotive LPG for non-commercial use (per litre)					Natural gas for industry (per megawatt hour GCV)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.253	0.167	0.083	0.250	0.503	31.30	-	-	-	31.30
2010	0.316	0.167	0.101	0.269	0.584	33.65	-	-	-	33.65
2011	0.381	0.167	0.115	0.283	0.663	40.15	-	-	-	40.15
2012	0.396	0.167	0.118	0.285	0.681	45.15	-	-	-	45.15
2013	0.380	0.167	0.115	0.282	0.662	42.85	-	-	-	42.85
2014	0.383	0.164	0.115	0.279	0.661	41.85	-	-	-	41.85
2015	0.278	0.161	0.092	0.253	0.531	29.75	-	-	-	29.75
2016	0.234	0.161	0.083	0.244	0.479	27.50	-	-	-	27.50
2017	0.292	0.161	0.095	0.256	0.548	28.05	3.20	-	3.20	31.25
2018	0.310	0.161	0.099	0.260	0.569	32.70	4.70	-	4.70	37.40
2019	0.277	0.161	0.092	0.253	0.530	27.35	5.70	-	5.70	33.05
3Q2019	0.258	0.161	0.088	0.249	0.507	24.50	6.80	-	6.80	31.30
4Q2019	0.296	0.161	0.096	0.257	0.553	24.50	6.80	-	6.80	31.30
1Q2020	0.295	0.161	0.096	0.257	0.552
2Q2020	0.217	0.161	0.079	0.240	0.457
3Q2020	0.273	0.161	0.091	0.252	0.525
Natural gas for electricity generation (per megawatt hour GCV)					Natural gas for households (per megawatt hour GCV)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	34.90	-	6.65	6.65	41.55
2010	34.20	-	7.20	7.20	41.40
2011	40.25	-	8.50	8.50	48.75
2012	46.30	-	9.75	9.75	56.05
2013	50.25	-	10.60	10.60	60.85
2014	43.75	-	9.15	9.15	52.90
2015	35.50	-	7.45	7.45	42.95
2016	33.05	-	6.95	6.95	40.00
2017	29.60	1.85	6.55	8.40	38.00
2018	29.10	4.15	6.95	11.10	40.20
2019	30.40	4.95	7.45	12.40	42.80
3Q2019	28.70	4.80	7.10	11.90	40.60
4Q2019	28.70	4.80	7.10	11.90	40.60
1Q2020
2Q2020
3Q2020

LITHUANIA**Table 3 - Average prices and taxes in euros**

Steam coal for industry (per tonne)						Steam coal for electricity generation (per tonne)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020
Steam coal for households (per tonne)						Coking coal for industry (per tonne)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020
Electricity for industry (per megawatt hour)						Electricity for households (per megawatt hour)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	97.35	-	-	-	97.35	80.85	-	16.00	16.00	96.85
2010	108.25	2.50	-	2.50	110.75	100.05	-	21.00	21.00	121.05
2011	113.75	0.40	-	0.40	114.15	104.40	-	21.90	21.90	126.30
2012	119.75	0.40	-	0.40	120.15	106.65	-	22.40	22.40	129.05
2013	101.90	27.45	-	27.45	129.35	88.85	27.15	24.30	51.45	140.30
2014	102.70	20.95	-	20.95	123.65	90.50	20.70	23.30	44.00	134.50
2015	92.50	17.05	-	17.05	109.55	88.60	16.40	22.05	38.45	127.05
2016	86.85	15.65	-	15.65	102.50	85.45	15.35	21.15	36.50	121.95
2017	79.50	14.10	-	14.10	93.60	79.30	13.85	19.55	33.40	112.70
2018	84.95	13.25	-	13.25	98.20	78.50	13.50	19.35	32.85	111.35
2019	95.05	9.40	-	9.40	104.45	96.40	9.05	22.20	31.25	127.65
3Q2019	96.00	9.40	-	9.40	105.40	96.40	9.00	22.20	31.20	127.60
4Q2019	96.00	9.40	-	9.40	105.40	96.40	9.00	22.20	31.20	127.60
1Q2020
2Q2020
3Q2020

LITHUANIA**Table 4 - Indices of energy prices**

	Oil products		Electricity		Natural gas		Coal	
	Wholesale	Retail 2015 = 100	Wholesale	Retail 2015 = 100	Wholesale	Retail 2015 = 100	Wholesale	Retail 2015 = 100
1999	..	53.1	..	44.0	..	38.8	..	36.5
2000	..	63.4	..	57.2	..	47.7	..	36.1
2001	..	60.0	..	57.2	..	49.7	..	34.8
2002	..	58.8	..	60.5	..	48.1	..	35.3
2003	..	61.0	..	60.5	..	48.0	..	36.4
2004	..	66.1	..	60.5	..	47.9	..	39.0
2005	..	73.9	..	65.9	..	52.7	..	48.3
2006	..	80.4	..	65.9	..	65.5	..	55.0
2007	..	80.8	..	70.5	..	70.3	..	65.8
2008	..	92.7	..	70.5	..	94.1	..	87.5
2009	..	88.7	..	77.4	..	95.3	..	78.8
2010	..	102.1	..	99.7	..	96.6	..	82.7
2011	..	116.0	..	99.3	..	109.8	..	112.2
2012	..	123.2	..	103.0	..	125.2	..	100.6
2013	..	120.6	..	112.7	..	127.7	..	97.7
2014	..	116.3	..	106.7	..	115.9	..	114.7
2015	..	100.0	..	100.0	..	100.0	..	100.0
2016	..	90.8	..	95.8	..	91.6	..	99.7
2017	..	98.4	..	88.6	..	94.0	..	112.3
2018	..	106.7	..	87.7	..	97.9	..	138.1
2019	..	104.2	..	100.8	..	107.7	..	129.7
3Q2012	..	124.7	..	103.0	..	132.8	..	96.8
4Q2012	..	123.5	..	103.0	..	134.1	..	93.4
1Q2013	..	122.3	..	112.7	..	130.2	..	95.2
2Q2013	..	119.9	..	112.7	..	127.6	..	95.5
3Q2013	..	120.5	..	112.7	..	125.4	..	99.0
4Q2013	..	119.8	..	112.7	..	127.6	..	101.1
1Q2014	..	118.7	..	106.7	..	122.6	..	116.0
2Q2014	..	117.9	..	106.7	..	119.5	..	117.5
3Q2014	..	117.5	..	106.7	..	110.5	..	114.0
4Q2014	..	111.1	..	106.7	..	111.1	..	111.5
1Q2015	..	97.1	..	100.0	..	102.4	..	102.9
2Q2015	..	106.3	..	100.0	..	99.9	..	100.9
3Q2015	..	102.5	..	100.0	..	98.9	..	98.1
4Q2015	..	94.1	..	100.0	..	98.9	..	98.2
1Q2016	..	86.6	..	98.4	..	96.9	..	99.2
2Q2016	..	90.4	..	98.4	..	92.7	..	97.5
3Q2016	..	91.0	..	93.1	..	86.4	..	100.1
4Q2016	..	95.2	..	93.1	..	90.5	..	102.0
1Q2017	..	100.1	..	88.6	..	92.8	..	110.5
2Q2017	..	98.3	..	88.6	..	91.8	..	111.8
3Q2017	..	95.7	..	88.6	..	94.8	..	112.4
4Q2017	..	99.6	..	88.6	..	96.6	..	114.4
1Q2018	..	102.2	..	87.7	..	95.7	..	133.4
2Q2018	..	106.1	..	87.7	..	95.4	..	133.9
3Q2018	..	110.2	..	87.7	..	97.9	..	139.8
4Q2018	..	108.4	..	87.7	..	102.4	..	145.5
1Q2019	..	99.5	..	100.8	..	107.9	..	141.3
2Q2019	..	107.7	..	100.8	..	108.1	..	139.5
3Q2019	..	105.1	..	100.8	..	106.8	..	125.0
4Q2019	..	104.3	..	100.8	..	107.9	..	113.1
1Q2020	..	104.2	..	115.3	..	97.0	..	100.5
2Q2020	..	88.0	..	115.3	..	91.7	..	97.5
3Q2020

LITHUANIA

Sources

Prices and taxes data for oil products are based on weekly data published in the **European Commission's Weekly Oil Bulletin**.

Prices and taxes data for natural gas and electricity are based on data published by **Eurostat**.

Retail energy price indices are based on data published by **Eurostat**.

Data collection methodology

Prices and taxes prior to 1 January 2015, the date of entry into the Economic and Monetary Union, have been converted from Lithuanian litai using the appropriate irrevocable conversion rate of 3.45280 LTL/EUR. This methodology facilitates comparisons within a country over time and ensures that the historical evolution (i.e. growth rates) is preserved. However, pre-EMU euros are a national unit and are not normally suitable to form area aggregates or to carry out cross-country comparisons.

Oil products

Oil product prices are derived from data published in the European Commission's *Weekly Oil Bulletin*, which reports weekly ex-tax and end-use prices for a series of oil products in all EU countries.

Quarterly and annual figures are calculated as arithmetical averages of the weekly data. Total taxes are calculated as the subtraction of the quarterly and annual ex-tax from the end-use prices. Excise taxes for non-commercial users are calculated by subtracting the VAT from the total taxes. For commercial users, excise taxes are equal to the total taxes, as they are exempt from the VAT.

Natural gas

From 3Q2007 onwards, prices refer to the Eurostat consumption band D2 for households (annual consumption: 20 GJ – 200 GJ) and band I2 for industry (annual consumption: 1 000 GJ – 10 000 GJ).

Eurostat data are bi-annual, therefore, prices for 1Q and 2Q are the same, as are those for 3Q and 4Q.

Excise taxes are calculated as the subtraction of the prices excluding taxes from the prices including non-VAT taxes, as published by Eurostat.

Electricity

From 3Q2007 onwards, prices refer to the Eurostat consumption band DB for households (annual consumption: 1 000 kWh – 2 500 kWh); and band IB for industry (annual consumption: 20 MWh – 500 MWh).

Eurostat data are bi-annual, therefore, prices for 1Q and 2Q are the same, as are those for 3Q and 4Q.

Excise taxes are calculated as the subtraction of the prices excluding taxes from the prices including non-VAT taxes, as published by Eurostat.

Energy price indices

Annual and quarterly indices are 12-month and 3-month averages, respectively, of the Harmonised Indices of Consumer Prices (HICP) published by Eurostat.

Retail indices for oil products refer to a consumption-weighted average of the *liquid fuels* (cp0453) and *fuels and lubricants for personal transport equipment* (cp0722) series. Relative weights used for the calculations are taken from the associated item weights series (prc_hicp_inw), published by Eurostat.

Retail indices for electricity refer to the *electricity* (cp0451) series.

Retail indices for natural gas refer to the *gas* (cp0452) series.

Energy taxation

VAT

VAT (*Pridėtinės vertės mokesčis*) is refunded for purchases for commercial purposes. Therefore, it is not included in prices shown for industry and electricity generation and for automotive fuels for commercial use.

There are two VAT rates in Lithuania: standard and reduced. All energy products are taxed at the standard rate.

From	To	Standard %
01.05.94	31.12.08	18
01.01.09	31.08.09	19
01.09.09	now	21

Excise tax

The legal framework for excise taxation on energy in place in Lithuania is consistent with the 2003 EU Energy Taxation Directive.

Excise duties are regulated by the Republic of Lithuania Law Amending the Law on Excise Duties No. IX-1987, which came into force on 1 May 2004.

Tax applicability table (not exhaustive)

	HSFO/LSFO	LFO	Diesel	Gasoline	LPG	Natural gas	Steam coal	Coking coal	Electricity
Excise duties	x	x	x	x	x	x	x	x	x

Excise duties

The Lithuanian Law on Excise Duty, which came into force on 1 May 2004, establishes a list of commercial

oil products subject to excise duties. Gasoline, diesel, light fuel oil and natural gas are subject to an excise duty expressed on a volume basis. Heavy fuel oil, LPG, steam coal and coking coal are subject to an excise duty expressed on a mass basis. Electricity is subject to an excise duty expressed on an energy basis.

Consumption of electricity by households and electricity sold or transmitted to entities using electricity in electricity-intensive processes, as well as electricity from renewable sources are exempted from excise duty.

LUXEMBOURG

Table 1 - Average prices and taxes in euros

Low sulphur fuel oil for industry (per tonne)					High sulphur fuel oil for industry (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	x	x	x	x	x
2010	x	x	x	x	x
2011	x	x	x	x	x
2012	x	x	x	x	x
2013	x	x	x	x	x
2014	x	x	x	x	x
2015	x	x	x	x	x
2016	x	x	x	x	x
2017	x	x	x	x	x
2018	x	x	x	x	x
2019	x	x	x	x	x
3Q2019	x	x	x	x	x
4Q2019	x	x	x	x	x
1Q2020	x	x	x	x	x
2Q2020	x	x	x	x	x
3Q2020	x	x	x	x	x
Light fuel oil for industry (per 1000 litres)					Light fuel oil for households (per 1000 litres)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	404.62	21.00	-	21.00	425.62	404.62	10.00	49.75	59.75	464.37
2010	516.14	21.00	-	21.00	537.14	516.14	10.00	63.14	73.14	589.28
2011	649.61	21.00	-	21.00	670.61	649.61	10.00	79.15	89.15	738.76
2012	717.24	21.00	-	21.00	738.24	717.24	10.00	87.27	97.27	814.51
2013	678.18	21.00	-	21.00	699.18	678.18	10.00	82.58	92.58	770.77
2014	630.37	21.00	-	21.00	651.37	630.37	10.00	76.84	86.84	717.21
2015	467.64	21.00	-	21.00	488.64	467.64	10.00	66.87	76.87	544.51
2016	395.30	21.00	-	21.00	416.30	395.30	10.00	56.74	66.74	462.04
2017	462.11	21.00	-	21.00	483.11	462.11	10.00	66.10	76.10	538.21
2018	554.59	21.00	-	21.00	575.59	554.59	10.00	79.04	89.04	643.63
2019	541.56	21.00	-	21.00	562.56	541.56	10.00	77.22	87.22	628.78
3Q2019	537.13	21.00	-	21.00	558.13	537.13	10.00	76.60	86.60	623.72
4Q2019	544.68	21.00	-	21.00	565.68	544.68	10.00	77.66	87.66	632.33
1Q2020	472.18	21.00	-	21.00	493.18	472.18	10.00	67.50	77.50	549.68
2Q2020	312.50	21.00	-	21.00	333.50	312.50	10.00	45.20	55.20	367.70
3Q2020
Automotive diesel for commercial use (per litre)					Automotive diesel for non-commercial use (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.433	0.302	-	0.302	0.735	0.433	0.302	0.110	0.412	0.845
2010	0.557	0.310	-	0.310	0.867	0.557	0.310	0.130	0.440	0.997
2011	0.695	0.320	-	0.320	1.015	0.695	0.320	0.152	0.472	1.167
2012	0.763	0.330	-	0.330	1.093	0.763	0.330	0.164	0.494	1.257
2013	0.724	0.335	-	0.335	1.059	0.724	0.335	0.159	0.494	1.218
2014	0.678	0.335	-	0.335	1.013	0.678	0.335	0.152	0.487	1.165
2015	0.536	0.335	-	0.335	0.871	0.536	0.335	0.148	0.483	1.019
2016	0.455	0.335	-	0.335	0.790	0.455	0.335	0.134	0.469	0.924
2017	0.516	0.335	-	0.335	0.851	0.516	0.335	0.145	0.480	0.996
2018	0.601	0.335	-	0.335	0.936	0.601	0.339	0.159	0.498	1.099
2019	0.594	0.348	-	0.348	0.942	0.594	0.348	0.160	0.509	1.102
3Q2019	0.589	0.355	-	0.355	0.944	0.589	0.355	0.160	0.515	1.105
4Q2019	0.599	0.355	-	0.355	0.954	0.599	0.355	0.162	0.517	1.116
1Q2020	0.570	0.355	-	0.355	0.925	0.570	0.355	0.157	0.512	1.083
2Q2020	0.411	0.355	-	0.355	0.766	0.411	0.355	0.130	0.485	0.896
3Q2020

LUXEMBOURG**Table 2 - Average prices and taxes in euros**

Premium unleaded (98 RON) gasoline (per litre)					Premium unleaded (95 RON) gasoline (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.456	0.462	0.138	0.600	1.056	0.438	0.462	0.135	0.597	1.035
2010	0.573	0.462	0.155	0.617	1.190	0.549	0.462	0.152	0.614	1.163
2011	0.684	0.462	0.172	0.634	1.318	0.658	0.462	0.168	0.630	1.288
2012	0.770	0.462	0.185	0.647	1.417	0.740	0.462	0.180	0.642	1.382
2013	0.746	0.462	0.181	0.643	1.389	0.699	0.462	0.174	0.636	1.335
2014	0.701	0.462	0.175	0.637	1.338	0.660	0.462	0.168	0.630	1.290
2015	0.596	0.462	0.180	0.642	1.238	0.541	0.462	0.171	0.633	1.174
2016	0.525	0.462	0.168	0.630	1.155	0.472	0.462	0.159	0.621	1.093
2017	0.584	0.462	0.178	0.640	1.224	0.530	0.462	0.169	0.631	1.161
2018	0.629	0.462	0.185	0.647	1.276	0.579	0.462	0.177	0.639	1.218
2019	0.576	0.469	0.178	0.647	1.223	0.621	0.469	0.185	0.654	1.275
3Q2019	0.545	0.472	0.173	0.645	1.190	0.668	0.472	0.194	0.666	1.333
4Q2019	0.534	0.472	0.171	0.643	1.177	0.652	0.472	0.191	0.663	1.315
1Q2020	0.511	0.472	0.167	0.639	1.151	0.609	0.472	0.184	0.656	1.265
2Q2020	0.441	0.472	0.155	0.627	1.068	0.366	0.472	0.142	0.614	0.980
3Q2020
Automotive LPG for non-commercial use (per litre)					Natural gas for industry (per megawatt hour GCV)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.362	0.054	0.025	0.079	0.441	28.25	0.54	-	0.54	28.79
2010	0.464	0.054	0.031	0.085	0.549	31.22	0.54	-	0.54	31.76
2011	0.515	0.054	0.034	0.088	0.603	35.49	0.54	-	0.54	36.02
2012	0.562	0.054	0.037	0.091	0.653	38.02	0.54	-	0.54	38.56
2013	0.510	0.054	0.034	0.088	0.598	39.79	0.54	-	0.54	40.32
2014	0.469	0.054	0.031	0.085	0.554	33.25	0.54	-	0.54	33.79
2015	0.361	0.054	0.033	0.087	0.448	37.65	0.54	-	0.54	38.19
2016	0.334	0.054	0.031	0.085	0.419	27.42	0.54	-	0.54	27.96
2017	0.396	0.054	0.036	0.090	0.486	25.09	0.54	-	0.54	25.63
2018	0.434	0.054	0.039	0.093	0.527	27.47	0.54	-	0.54	28.01
2019	0.393	0.054	0.036	0.090	0.483	23.33	0.53	-	0.54	23.86
3Q2019	0.356	0.054	0.033	0.087	0.443	21.44	0.54	-	0.54	21.98
4Q2019	0.410	0.054	0.037	0.091	0.501	21.44	0.54	-	0.54	21.98
1Q2020	0.400	0.054	0.036	0.090	0.491
2Q2020	0.316	0.054	0.030	0.084	0.400
3Q2020
Natural gas for electricity generation (per megawatt hour GCV)					Natural gas for households (per megawatt hour GCV)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	c	c	c	c	c	40.55	1.08	2.50	3.58	44.13
2010	c	c	c	c	c	40.09	1.08	2.47	3.55	43.64
2011	c	c	c	c	c	49.16	1.08	3.01	4.09	53.25
2012	c	c	c	c	c	53.69	1.08	3.29	4.36	58.05
2013	c	c	c	c	c	54.98	1.08	3.36	4.44	59.42
2014	c	c	c	c	c	48.09	1.08	2.95	4.03	52.12
2015	c	c	c	c	c	43.83	1.08	3.59	4.67	48.50
2016	c	c	c	c	c	39.05	1.08	3.21	4.29	43.33
2017	c	c	c	c	c	36.49	1.08	3.01	4.08	40.57
2018	c	c	c	c	c	38.72	1.08	3.18	4.26	42.98
2019	c	c	c	c	c	38.51	1.08	3.17	4.25	42.75
3Q2019	c	c	c	c	c	36.85	1.08	3.03	4.11	40.96
4Q2019	c	c	c	c	c	36.85	1.08	3.03	4.11	40.96
1Q2020	c	c	c	c	c
2Q2020	c	c	c	c	c
3Q2020	c	c	c	c	c

LUXEMBOURG**Table 3 - Average prices and taxes in euros**

Steam coal for industry (per tonne)						Steam coal for electricity generation (per tonne)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	x	x	x	x	x	x	x	x	x	x
2010	x	x	x	x	x	x	x	x	x	x
2011	x	x	x	x	x	x	x	x	x	x
2012	x	x	x	x	x	x	x	x	x	x
2013	x	x	x	x	x	x	x	x	x	x
2014	x	x	x	x	x	x	x	x	x	x
2015	x	x	x	x	x	x	x	x	x	x
2016	x	x	x	x	x	x	x	x	x	x
2017	x	x	x	x	x	x	x	x	x	x
2018	x	x	x	x	x	x	x	x	x	x
2019	x	x	x	x	x	x	x	x	x	x
3Q2019	x	x	x	x	x	x	x	x	x	x
4Q2019	x	x	x	x	x	x	x	x	x	x
1Q2020	x	x	x	x	x	x	x	x	x	x
2Q2020	x	x	x	x	x	x	x	x	x	x
3Q2020	x	x	x	x	x	x	x	x	x	x
Steam coal for households (per tonne)						Coking coal for industry (per tonne)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	x	x	x	x	x	x	x	x	x	x
2010	x	x	x	x	x	x	x	x	x	x
2011	x	x	x	x	x	x	x	x	x	x
2012	x	x	x	x	x	x	x	x	x	x
2013	x	x	x	x	x	x	x	x	x	x
2014	x	x	x	x	x	x	x	x	x	x
2015	x	x	x	x	x	x	x	x	x	x
2016	x	x	x	x	x	x	x	x	x	x
2017	x	x	x	x	x	x	x	x	x	x
2018	x	x	x	x	x	x	x	x	x	x
2019	x	x	x	x	x	x	x	x	x	x
3Q2019	x	x	x	x	x	x	x	x	x	x
4Q2019	x	x	x	x	x	x	x	x	x	x
1Q2020	x	x	x	x	x	x	x	x	x	x
2Q2020	x	x	x	x	x	x	x	x	x	x
3Q2020	x	x	x	x	x	x	x	x	x	x
Electricity for industry (per megawatt hour)						Electricity for households (per megawatt hour)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	94.1	4.1	-	4.1	98.2	148.0	12.2	9.6	21.8	169.8
2010	80.8	6.7	-	6.7	87.5	133.3	21.0	9.3	29.3	162.6
2011	80.5	4.3	-	4.3	84.8	136.7	13.2	9.0	22.2	158.9
2012	82.6	4.3	-	4.3	86.9	140.4	13.2	9.2	22.4	162.8
2013	76.1	4.3	-	4.3	80.4	135.6	12.4	8.9	21.3	156.9
2014	67.9	6.7	-	6.7	74.6	135.4	20.9	9.4	30.3	165.7
2015	56.2	8.6	-	8.6	64.8	126.9	30.5	12.6	43.1	170.0
2016	53.6	8.6	-	8.6	62.2	127.1	24.5	12.1	36.6	163.7
2017	58.8	9.4	-	9.4	68.2	109.6	32.8	11.4	44.2	153.8
2018	61.4	9.4	-	9.4	70.7	123.8	26.4	12.0	38.4	162.2
2019	63.6	9.4	-	9.4	73.0	125.7	34.0	12.8	46.8	172.5
3Q2019	64.3	9.4	-	9.4	73.7	126.0	34.0	12.8	46.8	172.8
4Q2019	64.3	9.4	-	9.4	73.7	126.0	34.0	12.8	46.8	172.8
1Q2020
2Q2020
3Q2020

LUXEMBOURG**Table 4 - Indices of energy prices**

	Oil products		Electricity		Natural gas		Coal	
	Wholesale	Retail 2015 = 100	Wholesale	Retail 2015 = 100	Wholesale	Retail 2015 = 100	Wholesale	Retail 2015 = 100
1999	..	50.0	..	75.6	..	49.8	..	85.0
2000	..	65.3	..	74.6	..	55.9	..	87.7
2001	..	64.2	..	72.9	..	64.9	..	90.7
2002	..	60.0	..	74.7	..	58.7	..	88.5
2003	..	61.1	..	76.8	..	59.7	..	88.4
2004	..	68.9	..	78.6	..	60.3	..	88.7
2005	..	81.7	..	85.5	..	67.6	..	91.2
2006	..	90.2	..	91.5	..	83.0	..	92.4
2007	..	91.7	..	96.3	..	82.0	..	94.3
2008	..	107.9	..	95.2	..	100.2	..	93.5
2009	..	86.0	..	104.5	..	91.3	..	95.0
2010	..	98.3	..	100.6	..	94.3	..	96.1
2011	..	114.8	..	99.0	..	106.4	..	97.7
2012	..	124.5	..	101.0	..	116.3	..	99.1
2013	..	121.1	..	98.6	..	120.6	..	101.5
2014	..	114.2	..	98.4	..	105.5	..	102.5
2015	..	100.0	..	100.0	..	100.0	..	100.0
2016	..	89.6	..	97.1	..	91.0	..	103.6
2017	..	97.5	..	93.6	..	92.3	..	108.4
2018	..	117.8	..	97.9	..	97.9	..	113.3
2019	..	114.3	..	103.9	..	100.6	..	116.7
3Q2012	..	125.5	..	101.0	..	117.5	..	97.9
4Q2012	..	125.1	..	100.9	..	120.1	..	101.7
1Q2013	..	124.4	..	98.6	..	123.0	..	102.2
2Q2013	..	120.6	..	98.6	..	121.5	..	99.2
3Q2013	..	121.9	..	98.6	..	117.8	..	100.5
4Q2013	..	117.7	..	98.6	..	111.5	..	104.3
1Q2014	..	117.0	..	98.4	..	109.1	..	104.8
2Q2014	..	116.1	..	98.4	..	105.5	..	100.2
3Q2014	..	115.8	..	98.4	..	103.6	..	101.6
4Q2014	..	108.0	..	98.4	..	103.6	..	103.2
1Q2015	..	100.6	..	100.0	..	103.6	..	101.3
2Q2015	..	105.6	..	100.0	..	100.3	..	98.6
3Q2015	..	100.2	..	100.0	..	98.8	..	99.5
4Q2015	..	93.7	..	100.0	..	97.3	..	100.6
1Q2016	..	86.5	..	99.7	..	97.3	..	102.4
2Q2016	..	89.0	..	96.2	..	89.2	..	103.1
3Q2016	..	89.6	..	96.2	..	89.2	..	104.3
4Q2016	..	93.2	..	96.2	..	88.2	..	104.9
1Q2017	..	98.1	..	93.6	..	92.1	..	107.5
2Q2017	..	95.0	..	93.6	..	92.1	..	106.8
3Q2017	..	93.0	..	93.6	..	92.2	..	107.6
4Q2017	..	103.8	..	93.6	..	92.8	..	111.8
1Q2018	..	106.2	..	97.0	..	95.0	..	114.1
2Q2018	..	117.5	..	97.0	..	95.0	..	112.8
3Q2018	..	123.0	..	97.9	..	97.6	..	110.7
4Q2018	..	124.3	..	99.7	..	103.8	..	115.5
1Q2019	..	111.5	..	103.9	..	106.5	..	117.4
2Q2019	..	117.1	..	103.9	..	99.7	..	116.1
3Q2019	..	113.4	..	103.9	..	98.0	..	116.1
4Q2019	..	115.1	..	103.9	..	98.0	..	117.1
1Q2020	..	102.9	..	114.1	..	100.9	..	117.1
2Q2020	..	66.5	..	114.1	..	93.5	..	117.7
3Q2020

LUXEMBOURG

Sources

Prices and taxes data for all products, as well as all energy price indices, are provided on a quarterly basis by the **National Institute of Statistics and Economic Studies of the Grand Duchy of Luxembourg (STATEC)**.

Data collection methodology

From 4Q1989 onwards, quarterly prices refer to the average of weekly prices. Prior to 4Q1989, prices refer to the second month of each quarter.

Oil products

Luxembourg maintains a maximum price-setting mechanism for oil products. In compliance with an agreement between the Luxembourgish State and the oil-importing companies, a maximum price is set for oil products sold to final consumers, including gasoline, automotive diesel, heating oil and LPG.

The formula is based on the spot price of oil products, to which are added a standard cost of transport from Antwerp to Luxembourg, a standard distribution margin for the market actors, and the cost of compulsory storage. Companies are free to set prices below the maximum daily levels set by the Ministry of the Economy.

End-use prices for oil products are collected through monthly consumer price surveys. Ex tax prices are calculated by subtracting the applicable tax components from the end-use prices.

From 1Q1994 onwards, high sulphur fuel oil consumption in industry has been negligible. Prices and taxes data from this date onwards are therefore marked as not applicable.

Natural gas

Prices shown are calculated through a bi-annual survey where utilities report average revenues per MWh from all high-voltage customers (industry) and all low-voltage consumers (households). Prices include all consumption bands and are representative for the whole country.

Electricity

Prices shown are calculated through a bi-annual survey where utilities report average revenues per MWh from all high-voltage customers (industry) and all low-voltage

consumers (households). Prices include all consumption bands and are representative for the whole country.

Energy price indices

Annual and quarterly indices are 12-month and 3-month averages, respectively, of the monthly indices produced by STATEC.

Retail indices for oil products are a weighted average of the series referring to heating oil and gasoline.

Retail indices for electricity and natural gas refer to utility tariffs for residential consumers.

Retail indices for coal refer to minimal consumption.

Energy taxation

VAT

VAT (*TVA*) in Luxembourg is refunded for purchases for commercial purposes. Therefore, it is not included in prices shown for the industrial and electricity generation sectors, as well as for automotive fuels for commercial use.

Light fuel oil for households and coal, as well as LPG, natural gas and electricity, are subject to a reduced VAT rates.

From	To	General	LFO Coal	LPG Natural gas Electricity
		%	%	%
01.01.93	31.12.04	12	12	6
01.01.05	31.12.14	15	12	6
01.01.15	now	17	14	8

Excise tax

Excise taxes on commercial energy products in Luxembourg are levied in accordance with the 2003 EU Energy Taxation Directive.

Tax applicability table (not exhaustive)

	HSFO/LSFO	LFO	Diesel	Gasoline	LPG	Natural gas	Steam coal	Coking coal	Electricity
Excise duties	x	x	x	x	x	x			x
Public service obligation compensation mechanism									x

Excise duties (*Droits d'accise*)

Excise duties levied on energy products consist of two distinct components.

The first component, referred to as the UEBL component, is levied at the same rate as in Belgium, pursuant to the terms of the Belgian-Luxembourgish Economic Union (UEBL). The rates for this component correspond to the ordinary excise duties levied in Belgium, excluding special excise taxes and other contributions.

The current system for the UEBL component is legally defined in the Ministerial regulations of 4 August 2004. These regulations were updated as a consequence of the publication of the Royal Belgian decree of 29 February 2004. As of 2016, the UEBL component applied to gasoline, automotive diesel, heavy fuel oil and light fuel oil for industrial use.

The second component, referred to as the autonomous component, is levied on commercial energy product sales. This component is legally defined, in its current form, in the Law of 17 December 2010.

The autonomous component is further subdivided into several categories applicable to certain commercial energy products. Gasoline and diesel sales are subject to a social contribution (*contribution sociale*) and a climate change contribution (*contribution changement climatique*). Light fuel oil for households is subject to a control fee (*redevance de contrôle*), while electricity and natural gas are subject to consumption taxes (*taxe sur la consommation*).

Compressed natural gas (CNG) and natural gas for combined heat and power generation is tax-free. Residential and industrial consumption are taxed at different rates. In the tables at the end of this section, "households" refers to an annual consumption below 550 MWh GCV and "industry" refers to an annual consumption over 550 MWh GCV.

Large natural gas consumers participating in the European Trading System (ETS), as well as those investing in energy efficiency, are subject to reduced tax rates not shown in the tables at the end of this section.

Steam and coking coal are exempt from all excise tax components.

Tax rates for electricity vary depending on annual consumption. In the tables at the end of this section, "households" refers to an annual consumption below 25 MWh and "industry" refers to an annual consumption over 25 MWh. Electricity consumption for metallurgical and mineral processes is tax-free.

Public service obligation compensation mechanism (*Mécanisme de compensation pour obligation de service public*)

Electrical companies are subject to a series of public service obligations (*obligations de service public*), financed through an additional indirect tax levied on electricity consumption.

Currently, the only public service obligation applicable to electrical companies relates to the obligation to purchase all electricity produced from renewable sources or high efficiency CHP units. The additional costs borne by some companies as a result of said obligation are offset by the revenue from this tax, designed as a way to ensure a fair competition between different market players.

In its current form, the public service obligation compensation mechanism is legally defined in the Law of 1 August 2007, on the organisation of the electrical market, and the Grand-Ducal regulation of 31 March 2010. Tax rates for households and industry are updated annually by the Luxembourgish Institute for Regulation.

Tax rates for electricity vary depending on annual consumption. In the tables at the end of this section, *households* refers to an annual consumption below 25 MWh and *industry* refers to an annual consumption above 25 MWh.

Excise duties (*Droits d'accise*)

From	To	Heavy fuel oil (EUR/tonne)	Light fuel oil households (EUR/1000l)	Light fuel oil industry (EUR/1000l)	Automotive diesel (EUR/l)	Gasoline (EUR/l)	Automotive LPG (EUR/l)
01.01.05	31.12.05	15	10	21	0.265	0.442	0.054
01.01.06	31.12.06	15	10	21	0.278	0.442	0.054
01.01.07	31.12.07	15	10	21	0.29	0.462	0.054
01.01.08	31.12.09	15	10	21	0.302	0.462	0.054
01.01.10	31.12.10	15	10	21	0.31	0.462	0.054
01.01.11	31.12.11	15	10	21	0.32	0.462	0.054
01.01.12	30.09.12	15	10	21	0.33	0.462	0.054
01.10.12	30.04.19	15	10	21	0.335	0.462	0.054
01.05.19	now	15	10	21	0.355	0.472	0.054

Excise duties (Droits d'accise)

From	To	Natural gas households (EUR/MWh)	Natural gas <i>industry</i> (EUR/MWh)	Electricity households (EUR/MWh)	Electricity <i>industry</i> (EUR/MWh)
01.01.05	31.12.05	0	0	2.36	1.66
01.01.06	31.12.06	0	0	1	0.5
01.01.07	now	1.08	0.54	1	0.5

Public service obligation compensation mechanism*(Mécanisme de compensation pour obligation de service public)*

From	To	Electricity households (EUR/MWh)	Electricity <i>industry</i> (EUR/MWh)
01.01.08	31.12.08	8.80	3.00
01.01.09	31.12.09	11.20	3.60
01.01.10	31.12.10	20.00	6.20
01.01.11	31.12.12	12.70	3.80
01.01.13	31.12.13	11.40	3.80
01.01.14	31.12.14	19.90	6.20
01.01.15	31.12.15	29.50	8.10
01.01.16	31.01.17	23.50	8.10
01.02.17	now	31.80	8.90

Product specifications

	Light fuel oil	Automotive diesel	Premium unleaded (98 RON) gasoline	Premium unleaded (95 RON) gasoline	Automotive LPG	Natural gas
Quality	Gasoil chauffage	Gasoil carburant	Essence	Essence	GLP carburant	
Density (kg/l)	0.845	0.85	0.76	0.755	0.53	
Sulphur content (%)		≤1				
Lead content (g/l)				0.002	0.005	
NCV (kcal/kg)	10 250	10 147	10 281	10 281	10 987	
GCV (kcal/m ³)						8 700
Delivery size (l)	1 500 – 2 000					

MEXICO**Table 1 - Average prices and taxes in Mexican pesos**

High sulphur fuel oil for industry (per tonne)					Heavy fuel oil for electricity generation (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	4 090	-	-	-	4 090	4 090	-	-	-	4 090
2010	5 200	-	-	-	5 200	5 209	-	-	-	5 209
2011	6 714	-	-	-	6 714	6 685	-	-	-	6 685
2012	7 901	-	-	-	7 901	7 927	-	-	-	7 927
2013	7 003	-	-	-	7 003	7 027	-	-	-	7 027
2014	6 669	-	-	-	6 669	6 673	-	-	-	6 673
2015	4 106	-	-	-	4 106	4 133	-	-	-	4 133
2016	2 807	-	-	-	2 807	2 553	-	-	-	2 553
2017	4 847	-	-	-	4 847	5 020	-	-	-	5 020
2018	5 458	-	-	-	5 458	5 934	-	-	-	5 934
2019
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020
Light fuel oil for industry (per 1000 litres)					Light fuel oil for households (per 1000 litres)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	4 768	-	-	-	4 768	x	x	x	x	x
2010	6 048	-	-	-	6 048	x	x	x	x	x
2011	7 974	-	-	-	7 974	x	x	x	x	x
2012	8 709	-	-	-	8 709	x	x	x	x	x
2013	8 830	-	-	-	8 830	x	x	x	x	x
2014	8 888	-	-	-	8 888	x	x	x	x	x
2015	4 460	-	-	-	4 460	x	x	x	x	x
2016	3 503	-	-	-	3 503	x	x	x	x	x
2017	6 674	-	-	-	6 674	x	x	x	x	x
2018	8 895	-	-	-	8 895	x	x	x	x	x
2019	x	x	x	x	x
3Q2019	x	x	x	x	x
4Q2019	x	x	x	x	x
1Q2020	x	x	x	x	x
2Q2020	x	x	x	x	x
3Q2020	x	x	x	x	x
Automotive diesel for commercial use (per litre)					Automotive diesel for non-commercial use (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	6.580	0.191	-	0.191	6.773	6.701	-	1.005	1.005	7.706
2010	7.440	-	-	-	7.440	7.359	-	1.177	1.177	8.536
2011	8.271	-	-	-	8.271	8.184	-	1.309	1.309	9.493
2012	9.162	-	-	-	9.162	9.069	-	1.451	1.451	10.520
2013	10.217	-	-	-	10.217	10.118	-	1.619	1.619	11.737
2014	11.430	-	-	-	11.430	11.390	-	1.820	1.820	13.210
2015	12.214	-	-	-	12.214	12.172	-	1.948	1.948	14.120
2016	12.075	-	-	-	12.075	12.075	-	1.932	1.932	14.007
2017	14.253	-	-	-	14.253	14.543	-	2.325	2.325	16.873
2018	16.320	-	-	-	16.320	16.310	-	2.607	2.607	18.938
2019
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020

MEXICO**Table 2 - Average prices and taxes in Mexican pesos**

Premium unleaded (95 RON) gasoline (per litre)					Regular unleaded (92 RON) gasoline (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax		Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	8.203	-	1.230	1.230	9.433	6.630	-	0.995	0.995	7.625
2010	8.456	-	1.353	1.353	9.809	7.092	-	1.135	1.135	8.227
2011	8.881	-	1.421	1.421	10.302	7.909	-	1.266	1.266	9.175
2012	9.385	-	1.502	1.502	10.887	8.796	-	1.407	1.407	10.203
2013	10.344	-	1.655	1.655	11.999	9.823	-	1.572	1.572	11.395
2014	11.530	-	1.840	1.840	13.370	10.880	-	1.740	1.740	12.620
2015	12.153	-	1.944	1.944	14.097	11.382	-	1.821	1.821	13.204
2016	12.243	-	1.959	1.959	14.202	11.523	-	1.844	1.844	13.367
2017	15.260	-	2.443	2.443	17.703	13.730	-	2.198	2.198	15.930
2018	16.655	-	2.657	2.657	19.315	15.378	-	2.455	2.455	17.840
2019
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020
Regular leaded gasoline (per litre)					Natural gas for industry (per megawatt hour GCV)					
	Ex-tax price	Excise tax	VAT	Total tax		Ex-tax price	Excise tax	VAT	Total tax	Total price
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020
Natural gas for electricity generation (per megawatt hour GCV)					Natural gas for households (per megawatt hour GCV)					
	Ex-tax price	Excise tax	VAT	Total tax		Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	230.0	-	-	-	230.0	433.1	-	65.0	65.0	498.1
2010	253.1	-	-	-	253.1	429.6	-	68.7	68.7	498.4
2011	234.0	-	-	-	234.0	392.0	-	62.7	62.7	454.7
2012	184.8	-	-	-	184.8	343.6	-	55.0	55.0	398.5
2013	247.6	-	-	-	247.6	380.0	-	60.8	60.8	440.8
2014	283.2	-	-	-	283.2	405.8	-	64.9	64.9	470.8
2015	212.5	-	-	-	212.5	372.1	-	59.5	59.5	431.7
2016	239.5	-	-	-	239.5	397.8	-	63.6	63.6	461.5
2017	327.4	-	-	-	327.4
2018	296.8	-	-	-	296.8
2019
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020

MEXICO**Table 3 - Average prices and taxes in Mexican pesos**

Steam coal for industry (per tonne)						Steam coal for electricity generation (per tonne)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	x	x	x	x	x	690.2	-	-	-	690.2
2010	x	x	x	x	x	689.3	-	-	-	689.3
2011	x	x	x	x	x	697.8	-	-	-	697.8
2012	x	x	x	x	x	748.7	-	-	-	748.7
2013	x	x	x	x	x	777.2	-	-	-	777.2
2014	x	x	x	x	x	839.9	-	-	-	839.9
2015	x	x	x	x	x	900.5	-	-	-	900.5
2016	x	x	x	x	x	950.6	-	-	-	950.6
2017	x	x	x	x	x	1050.0	-	-	-	1050.0
2018	x	x	x	x	x	1049.3	-	-	-	1049.3
2019	x	x	x	x	x
3Q2019	x	x	x	x	x
4Q2019	x	x	x	x	x
1Q2020	x	x	x	x	x
2Q2020	x	x	x	x	x
3Q2020	x	x	x	x	x
Steam coal for households (per tonne)						Coking coal for industry (per tonne)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	x	x	x	x	x	x	x	x	x	x
2010	x	x	x	x	x	x	x	x	x	x
2011	x	x	x	x	x	x	x	x	x	x
2012	x	x	x	x	x	x	x	x	x	x
2013	x	x	x	x	x	x	x	x	x	x
2014	x	x	x	x	x	x	x	x	x	x
2015	x	x	x	x	x	x	x	x	x	x
2016	x	x	x	x	x	x	x	x	x	x
2017	x	x	x	x	x	x	x	x	x	x
2018	x	x	x	x	x	x	x	x	x	x
2019	x	x	x	x	x	x	x	x	x	x
3Q2019	x	x	x	x	x	x	x	x	x	x
4Q2019	x	x	x	x	x	x	x	x	x	x
1Q2020	x	x	x	x	x	x	x	x	x	x
2Q2020	x	x	x	x	x	x	x	x	x	x
3Q2020	x	x	x	x	x	x	x	x	x	x
Electricity for industry (per megawatt hour)						Electricity for households (per megawatt hour)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	1 164	-	-	-	1 164	938	-	141	141	1 079
2010	1 314	-	-	-	1 314	976	-	156	156	1 133
2011	1 434	-	-	-	1 434	1 020	-	163	163	1 183
2012	1 509	-	-	-	1 509	1 022	-	164	164	1 186
2013	1 552	-	-	-	1 552	1 000	-	160	160	1 160
2014	1 616	-	-	-	1 616	1 033	-	165	165	1 199
2015	1 297	-	-	-	1 297	1 031	-	165	165	1 196
2016	1 313	-	-	-	1 313	1 023	-	164	164	1 187
2017	1 678	-	-	-	1 678	1 037	-	166	166	1 203
2018	1 717	-	-	-	1 717	1 040	-	166	166	1 207
2019
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020

MEXICO**Table 4 - Indices of energy prices**

	Oil products		Electricity		Natural gas		Coal	
	Wholesale Jun2012=100	Retail Dec2012=100	Wholesale Jun2012=100	Retail Dec2012=100	Wholesale Jun2012=100	Retail Dec2012=100	Wholesale Jun2012=100	Retail Dec2012=100
1999	26.4	..	31.4	35.6	52.2	..	44.2	..
2000	32.5	..	36.6	39.8	84.9	..	50.7	..
2001	33.7	..	36.9	43.4	91.3	..	54.7	..
2002	35.1	..	40.5	55.8	71.0	..	58.0	..
2003	39.3	..	49.3	61.6	135.5	..	63.2	..
2004	43.0	..	56.9	67.0	177.5	..	67.5	..
2005	49.4	..	61.7	68.0	197.0	..	72.2	..
2006	55.9	..	69.4	72.7	186.2	..	74.4	..
2007	59.7	..	72.2	75.1	206.8	..	80.6	..
2008	70.9	..	84.9	81.3	275.5	..	93.2	..
2009	67.7	..	76.4	81.6	213.3	..	94.8	..
2010	76.9	..	87.4	87.4	187.2	..	93.0	..
2011	90.0	104.0	95.9	89.0	156.4	104.3	94.9	..
2012	99.5	113.4	101.4	91.5	106.3	98.8	99.7	..
2013	101.4	123.3	104.0	89.8	129.1	109.8	111.0	..
2014	106.8	135.3	112.0	92.7	161.1	119.5	121.9	..
2015	98.2	142.3	92.5	91.0	117.5	108.8	138.2	..
2016	85.1	140.7	94.7	89.8	145.6	118.4	145.6	..
2017	119.8	162.7	118.8	93.0	195.0	139.0	162.9	..
2018	142.5	99.2	137.3	122.3	234.5	98.2	192.5	..
2019
3Q2012	98.5	114.5	101.6	77.7	106.1	100.3	104.7	..
4Q2012	98.9	117.3	100.7	97.5	124.2	104.6	99.8	..
1Q2013	100.0	119.8	101.2	104.2	117.8	103.6	105.3	..
2Q2013	99.0	122.0	104.4	79.9	140.4	111.7	110.5	..
3Q2013	102.5	124.5	103.0	73.9	128.1	111.7	113.8	..
4Q2013	104.0	127.1	107.6	101.0	130.1	112.3	114.3	..
1Q2014	106.4	131.6	111.0	110.0	178.7	124.9	117.2	..
2Q2014	107.6	134.7	112.5	81.2	165.4	120.5	118.9	..
3Q2014	108.7	136.3	114.6	74.7	146.4	115.9	123.8	..
4Q2014	104.3	138.5	110.1	105.1	153.7	116.6	127.8	..
1Q2015	97.3	142.3	100.8	110.0	123.7	109.1	135.9	..
2Q2015	100.8	142.3	90.8	79.5	113.2	108.0	136.2	..
3Q2015	100.0	142.3	90.7	72.4	126.2	111.1	142.4	..
4Q2015	94.8	142.3	87.9	101.9	106.8	107.1	138.2	..
1Q2016	87.4	146.2	86.9	107.2	122.2	110.0	144.5	..
2Q2016	90.5	146.2	88.0	78.2	117.8	112.2	142.3	..
3Q2016	97.2	138.8	97.8	71.8	155.9	122.7	144.4	..
4Q2016	105.3	131.5	106.1	102.2	186.3	128.8	151.4	..
1Q2017	122.9	157.5	120.1	111.3	220.4	139.9	160.9	..
2Q2017	117.1	154.8	121.2	82.3	179.9	136.4	161.1	..
3Q2017	114.9	154.2	116.8	74.6	181.1	139.3	159.5	..
4Q2017	124.3	184.1	117.0	103.9	198.6	140.5	170.2	..
1Q2018	132.2	96.9	121.0	145.4	229.4	94.4	180.6	..
2Q2018	140.1	93.9	131.0	107.7	224.5	97.6	189.9	..
3Q2018	148.2	102.3	147.6	100.1	223.2	100.7	192.0	..
4Q2018	149.5	103.7	149.5	136.1	261.1	100.1	207.4	..
1Q2019	137.6	99.7	143.9	145.3	259.4	109.4	205.3	..
2Q2019
3Q2019
4Q2019
1Q2020	-	-	-	-	-	-	-	-
2Q2020	-	-	-	-	-	-	-	-
3Q2020	-	-	-	-	-	-	-	-

MEXICO

Sources

Data for all energy products, as well as energy price indices, are provided on a quarterly basis by the **Secretariat of Energy (SENER)**.

Data collection methodology

Oil products

Prices for all oil products are national averages.

Heavy fuel oil and light fuel oil end-use prices are currently set by PEMEX, which reports average monthly prices to SENER. Quarterly and annual prices are calculated as simple arithmetical averages of the monthly data. Ex-tax prices are calculated by subtracting VAT from the end-use prices, as these products are only used in industry and electricity generation sectors.

For automotive diesel and gasoline, maximum end-use prices have been set every month by the Ministry of Finance and Public Credit (*Secretaría de Hacienda y Crédito Público – SHCP*) until November 2017. From this date onwards, with the finalization of gasoline and diesel market liberalization, the final price is determined by retailers and is regulated by the Energy Regulatory Commission (*Comisión Reguladora de Energía – CRE*).

For non-commercial users, VAT is subtracted from the end-use price. The disaggregation between the ex-tax price and the excise tax applicable to automotive fuels is currently not available.

Natural gas

As of January 2017, there were no surveys on natural-gas end-use prices for households.

Prices for households refer to the prices paid by natural gas distribution companies. From June 2017, the CRE approved the elimination of the maximum price of natural gas for households.

Due to pending methodological issues in the reporting source, prices for industry are not available from 4Q2009 onwards.

Steam and coking coal

Steam coal prices for electricity generation refer to the amounts paid by the Federal Comission for Electricity (*Comisión Federal de Electricidad - CFE*) to the Río

Escondido coal mining company (*Minera Carbonífera Río Escondido - MICARE*), excluding the cost of handling and disposal of ashes.

Electricity

End-use prices are calculated by SENER based on monthly electricity sales data to industry and households. End-use prices are calculated by dividing revenue from sales by the sales volume for the three months of each quarter.

Prices for industry include all medium and high-voltage consumption bands. Ex-tax prices for industry match end-use prices, as electricity consumption is not taxed and VAT is refunded to industrial consumers.

Prices for households include consumption bands 1A, 1B, 1C, 1D, 1E, 1F and DAC. Ex-tax prices are calculated by subtracting VAT from the average end-use prices.

Energy price indices

Annual and quarterly indices are 12-month and 3-month averages, respectively, of the monthly energy prices indices produced by INEGI (*Instituto Nacional de Estadística y Geografía*).

Wholesale indices refer to the monthly national indices of producer prices, price indices for generic goods (*Índice nacional de precios productor, índices de precios de productos genéricos*), June 2012=100 (SCIAN 2007).

Retail indices refer to the monthly national consumer prices indices by purpose of expenditure (*Índice nacional de precios al consumidor, nacional, por objeto del gasto*), December 2012=100.

Wholesale indices for oil products refer to LPG, gasoline, automotive diesel, jet fuel, fuel oil and other oil products. Retail indices refer to LPG prices only.

Wholesale indices for electricity refer to industrial electricity prices at medium voltage. Retail indices refer to residential electricity prices.

Wholesale indices for natural gas refer to “dry gas” prices. Retail indices refer to “natural gas”.

Wholesale indices for coal refer to “coal”.

Energy taxation

VAT

VAT (*IVA*) applies to all energy products. VAT is refunded for purchases for commercial purposes. Therefore, it is not included in prices shown for the industrial

and electricity generation sectors, as well as for automotive fuels for commercial use.

In Mexico, the VAT is paid on the ex-tax price only, instead of the sum of ex-tax price and excise tax, as is the case in most countries.

From	To	%
01.01.80	31.12.82	10
01.01.83	11.09.91	15
11.10.91	31.03.95	10
01.04.95	31.12.09	15
01.01.10	now	16

Excise tax

Tax applicability table (not exhaustive)

	HFO	SFO	LFO	Diesel	Gasoline	LPG	Natural gas	Steam coal	Coking coal	Electricity
IEPS				x	x					

Tax on production and services (*Impuesto específico sobre producción y servicios - IEPS*)

The IEPS is an excise tax applied to the sale of automotive fuels used for final consumption.

Prior to 2016, the IEPS rates published by the SHCP were designed to protect consumers from price movements in commodity markets. Therefore, IEPS could work as a tax or a subsidy, depending on the price differences between local production costs and an international benchmark.

In 2016, the IEPS calculation methodology was updated to establish an orderly transition towards market liberalization in 2018, as set out by the wider energy reform in the country.

For the years 2016 and 2017, monthly tax rates will remain more or less stable, linking commodity spot prices with final prices for oil products, but still restricting price movements to some extent, in order to avoid large variations.

Due to the rate adjusting mechanism in place, historical IEPS tax rates are currently not available.

Product specifications

Oil products

	High sulphur fuel oil	Light fuel oil	Automotive diesel	Premium unleaded (95 RON) gasoline	Regular unleaded gasoline
Quality	Combustoleo pesado	Diesel industrial bajo azufre	Pemex diesel	Pemex premium	Pemex magna
PON number*				92	87
Cetane index			>48		
Density (kg/l)	0.982	0.852	0.852	0.707	0.729
Sulphur content (%)	<4	<0.05	<0.05	<0.05	<0.1
NCV (kcal/kg)	10 139	10 849	10 849		

*The PON number is the average of the RON and Motor Octane Number (MON).

Natural gas and coal

	Natural gas	Steam coal <i>electricity generation</i>
Quality		Carbón MICARE, sub-bituminous coal
Ash content (%)		38.55
Moisture content (%)		4.16
Sulphur content (%)		1.01
GCV (kcal/m ³)	8 460	
NCV (kcal/kg)		4 575

NETHERLANDS**Table 1 - Average prices and taxes in euros**

Low sulphur fuel oil for industry (per tonne)					High sulphur fuel oil for industry (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	248.41	32.51	-	32.51	280.92	x	x	x	x	x
2010	348.85	33.06	-	33.06	381.91	x	x	x	x	x
2011	460.42	33.89	-	33.89	494.31	x	x	x	x	x
2012	524.33	34.47	-	34.47	558.80	x	x	x	x	x
2013	462.40	35.07	-	35.07	497.47	x	x	x	x	x
2014	461.29	35.83	-	35.83	497.12	x	x	x	x	x
2015	463.14	36.15	-	36.15	499.29	x	x	x	x	x
2016	466.50	36.33	-	36.33	502.83	x	x	x	x	x
2017	559.85	36.44	-	36.44	596.29	x	x	x	x	x
2018	686.94	36.74	-	36.74	723.68	x	x	x	x	x
2019	667.73	37.18	-	37.18	704.91	x	x	x	x	x
3Q2019	660.53	37.17	-	37.17	697.70	x	x	x	x	x
4Q2019	668.42	37.21	-	37.21	705.63	x	x	x	x	x
1Q2020	556.76	37.76	-	37.76	594.52	x	x	x	x	x
2Q2020	335.97	37.76	-	37.76	373.73	x	x	x	x	x
3Q2020	408.12	37.76	-	37.76	445.88	x	x	x	x	x
Light fuel oil for industry (per 1000 litres)					Light fuel oil for households (per 1000 litres)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	..	254.42	-	254.42	..	305.95	254.42	106.47	360.89	666.83
2010	428.64	254.20	-	254.20	682.84	428.64	254.20	129.74	383.94	812.58
2011	437.52	260.43	-	260.43	697.95	437.52	260.43	132.61	393.04	830.57
2012	470.88	264.76	-	264.76	735.64	470.88	264.76	142.82	407.58	878.46
2013	408.95	409.92	-	409.92	818.88	408.95	409.92	171.96	581.89	990.84
2014	368.03	485.76	-	485.76	853.79	368.03	485.76	179.30	665.06	1 033.09
2015	356.63	490.11	-	490.11	846.74	356.63	490.11	177.82	667.93	1 024.56
2016	257.24	492.47	-	492.47	749.71	257.24	492.47	157.44	649.91	907.15
2017	339.71	493.96	-	493.96	833.67	339.71	493.96	175.07	669.03	1 008.74
2018	405.81	497.91	-	497.91	903.72	405.81	497.91	189.78	687.69	1 093.50
2019	405.75	503.82	-	503.82	909.57	405.75	503.82	191.01	694.83	1 100.58
3Q2019	390.24	503.69	-	503.69	893.93	390.24	503.69	187.73	691.42	1 081.65
4Q2019	413.51	504.22	-	504.22	917.73	413.51	504.22	192.72	696.94	1 110.45
1Q2020	375.23	511.62	-	511.62	886.85	375.23	511.62	186.24	697.86	1 073.09
2Q2020	230.80	511.62	-	511.62	742.42	230.80	511.62	155.91	667.53	898.33
3Q2020	289.93	511.62	-	511.62	801.55	289.93	511.62	168.33	679.95	969.88
Automotive diesel for commercial use (per litre)					Automotive diesel for non-commercial use (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.417	0.420	-	0.420	0.837	0.417	0.420	0.159	0.579	0.996
2010	0.555	0.428	-	0.428	0.983	0.555	0.428	0.187	0.615	1.170
2011	0.703	0.430	-	0.430	1.133	0.703	0.430	0.215	0.645	1.348
2012	0.772	0.437	-	0.437	1.208	0.772	0.437	0.236	0.672	1.444
2013	0.728	0.446	-	0.446	1.174	0.726	0.448	0.247	0.694	1.421
2014	0.676	0.486	-	0.486	1.162	0.676	0.486	0.244	0.730	1.406
2015	0.527	0.490	-	0.490	1.017	0.527	0.490	0.214	0.704	1.231
2016	0.450	0.493	-	0.493	0.943	0.450	0.493	0.198	0.691	1.141
2017	0.515	0.494	-	0.494	1.009	0.515	0.494	0.212	0.706	1.221
2018	0.609	0.494	-	0.494	1.103	0.609	0.494	0.232	0.726	1.335
2019	0.627	0.494	-	0.494	1.121	0.627	0.494	0.235	0.729	1.356
3Q2019	0.619	0.494	-	0.494	1.113	0.619	0.494	0.234	0.728	1.346
4Q2019	0.642	0.494	-	0.494	1.136	0.642	0.494	0.239	0.732	1.375
1Q2020	0.619	0.494	-	0.494	1.113	0.619	0.494	0.234	0.728	1.347
2Q2020	0.504	0.494	-	0.494	0.998	0.504	0.494	0.210	0.703	1.207
3Q2020

NETHERLANDS**Table 2 - Average prices and taxes in euros**

Premium unleaded (98 RON) gasoline (per litre)						Premium unleaded (95 RON) gasoline (per litre)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.465	0.709	0.223	0.932	1.397	0.419	0.709	0.214	0.923	1.343
2010	0.540	0.723	0.240	0.963	1.503
2011	0.654	0.724	0.262	0.986	1.640
2012	0.735	0.736	0.287	1.023	1.759
2013	0.681	0.754	0.301	1.055	1.736
2014	0.641	0.767	0.296	1.063	1.705
2015	0.513	0.774	0.270	1.044	1.558
2016	0.442	0.778	0.256	1.034	1.477
2017	0.503	0.780	0.269	1.050	1.552
2018	0.557	0.780	0.281	1.061	1.618
2019	0.581	0.780	0.286	1.066	1.647
3Q2019	0.589	0.780	0.288	1.068	1.657
4Q2019	0.587	0.780	0.287	1.067	1.654
1Q2020	0.577	0.780	0.285	1.065	1.643
2Q2020	0.456	0.780	0.260	1.040	1.496
3Q2020
Automotive LPG for non-commercial use (per litre)						Natural gas for industry (per megawatt hour GCV)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.414	0.071	0.092	0.163	0.578	28.30	2.20	-	2.20	30.50
2010	0.455	0.087	0.103	0.189	0.644	23.90	2.10	-	2.10	26.00
2011	0.502	0.087	0.112	0.199	0.700	25.60	2.10	-	2.10	27.70
2012	0.549	0.094	0.126	0.219	0.769	27.95	2.10	-	2.10	30.05
2013	0.504	0.101	0.127	0.228	0.732	28.80	2.65	-	2.65	31.45
2014	0.444	0.178	0.131	0.309	0.752	26.95	3.95	-	3.95	30.90
2015	0.327	0.185	0.107	0.292	0.619	24.70	3.85	-	3.85	28.55
2016	0.286	0.186	0.099	0.285	0.571	20.75	3.90	-	3.90	24.65
2017	0.337	0.186	0.110	0.296	0.633	20.25	3.90	-	3.90	24.15
2018	0.380	0.186	0.119	0.305	0.685	21.40	4.25	-	4.25	25.65
2019	0.337	0.186	0.110	0.296	0.633	19.25	4.25	-	4.25	23.50
3Q2019	0.307	0.186	0.104	0.290	0.597	17.90	3.10	-	3.10	21.00
4Q2019	0.338	0.186	0.110	0.297	0.635	17.90	3.10	-	3.10	21.00
1Q2020	0.357	0.186	0.114	0.301	0.657
2Q2020	0.271	0.186	0.096	0.283	0.554
3Q2020
Natural gas for electricity generation (per megawatt hour GCV)						Natural gas for households (per megawatt hour GCV)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	44.31	16.16	11.49	27.65	71.96
2010	37.96	16.66	10.38	27.04	65.00
2011	41.72	16.77	11.11	27.88	69.60
2012	47.20	17.05	12.54	29.59	76.79
2013	45.27	19.28	13.55	32.84	78.10
2014	44.28	19.61	13.42	33.03	77.31
2015	41.21	19.93	12.84	32.76	73.97
2016	35.89	26.32	13.06	39.39	75.27
2017	34.98	27.45	13.11	40.56	75.54
2018	37.02	29.51	13.97	43.48	80.50
2019	41.31	35.34	16.10	51.44	92.76
3Q2019	39.72	35.34	15.76	51.11	90.83
4Q2019	39.72	35.34	15.76	51.11	90.83
1Q2020	39.86	42.00	17.19	59.19	99.05
2Q2020	38.25	42.00	16.85	58.85	97.10
3Q2020

NETHERLANDS**Table 3 - Average prices and taxes in euros**

Steam coal for industry (per tonne)					Steam coal for electricity generation (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020
Steam coal for households (per tonne)					Coking coal for industry (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020
Electricity for industry (per megawatt hour)					Electricity for households (per megawatt hour)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	88.9	10.9	-	10.9	99.8	153.8	2.3	29.7	31.9	185.7
2010	76.8	10.9	-	10.9	87.7	135.1	5.2	26.7	31.9	167.0
2011	74.4	10.8	-	10.8	85.2	137.8	5.9	27.3	33.2	171.0
2012	74.1	11.1	-	11.1	85.2	147.3	7.8	30.2	38.0	185.3
2013	74.0	11.1	-	11.1	85.0	148.7	11.4	33.6	45.0	193.7
2014	71.9	17.1	-	17.1	89.0	143.8	13.4	33.0	46.4	190.3
2015	66.6	14.2	-	14.2	80.7	137.3	16.9	32.4	49.2	186.5
2016	61.4	15.7	-	15.7	77.0	132.3	-1.0	27.6	26.5	158.8
2017	59.8	16.9	-	16.9	76.6	124.3	5.9	27.3	33.2	157.5
2018	59.6	19.3	-	19.3	78.8	132.7	14.9	31.0	45.9	178.7
2019	64.3	22.0	-	22.0	86.3	152.8	31.7	38.7	70.4	223.2
3Q2019	64.3	21.6	-	21.6	85.9	149.7	31.7	38.1	69.8	219.5
4Q2019	64.3	21.6	-	21.6	85.9	149.7	31.7	38.1	69.8	219.5
1Q2020	151.4	-29.3	25.6	-3.7	147.7
2Q2020	147.2	-29.3	24.8	-4.6	142.7
3Q2020

NETHERLANDS**Table 4 - Indices of energy prices**

	Oil products		Electricity		Natural gas		Coal	
	Wholesale 2000 = 100	Retail 2000 = 100	Wholesale 2000 = 100	Retail 2000 = 100	Wholesale 2000 = 100	Retail 2000 = 100	Wholesale	Retail
1999	..	85.5	..	85.5	..	88.9
2000	100.0	99.8	100.0	99.7	..	99.7
2001	91.0	99.2	98.0	112.2	..	116.4
2002	85.0	98.2	94.0	115.1	..	125.5
2003	87.0	99.4	99.0	118.2	..	139.1
2004	102.0	107.3	96.0	123.2	..	143.4
2005	133.3	117.2	110.0	133.9	..	168.7
2006	151.4	122.7	140.2	144.0	..	187.0
2007	153.3	126.6	145.3	148.2	..	196.2
2008	183.7	134.7	161.2	126.2	..	225.5
2009	142.5	121.9	148.2	135.5	..	219.9
2010	186.5	136.0	142.5	126.4	..	200.9
2011	232.7	149.8	143.2	130.2	..	215.8
2012	257.5	160.8	143.1	136.4	..	231.3
2013	241.3	158.4	138.4	141.4	..	236.2
2014	224.4	155.6	129.9	139.8	..	233.2
2015	164.2	141.5	105.7	138.7	..	224.0
2016	141.1	115.8	105.0	122.8	..	188.9
2017	167.1	122.6	105.0	124.1	..	192.8
2018	196.6	129.5	110.3	143.6	..	207.2
2019	188.0	131.8	109.8	166.1	..	229.2
3Q2012	261.6	162.1	140.0	135.4	..	233.5
4Q2012	256.5	162.1	145.8	137.6	..	237.0
1Q2013	251.7	161.5	141.2	142.5	..	238.4
2Q2013	233.1	157.6	138.4	141.6	..	237.5
3Q2013	243.1	160.1	135.4	141.0	..	234.5
4Q2013	237.3	154.5	138.6	140.4	..	234.2
1Q2014	238.9	155.9	135.2	140.8	..	235.4
2Q2014	235.4	159.2	126.6	140.4	..	234.0
3Q2014	231.6	158.6	125.9	138.9	..	231.6
4Q2014	191.5	148.5	131.8	139.2	..	231.9
1Q2015	165.4	139.8	122.4	139.5	..	227.7
2Q2015	182.2	148.8	119.3	139.5	..	227.0
3Q2015	161.3	142.8	94.6	138.1	..	221.7
4Q2015	147.9	134.4	86.3	137.5	..	219.7
1Q2016	122.0	110.2	102.4	124.2	..	193.4
2Q2016	140.8	116.8	102.1	122.4	..	190.3
3Q2016	142.5	115.8	104.4	122.2	..	185.9
4Q2016	159.2	120.3	110.9	122.4	..	185.9
1Q2017	176.0	124.1	107.5	123.8	..	192.9
2Q2017	157.6	121.6	102.2	123.7	..	192.4
3Q2017	157.4	120.7	102.1	123.8	..	192.6
4Q2017	177.4	124.1	108.0	125.2	..	193.3
1Q2018	177.9	124.8	106.4	139.7	..	203.6
2Q2018	201.5	131.3	106.1	140.2	..	203.2
3Q2018	211.9	133.5	113.2	145.5	..	209.1
4Q2018	194.9	128.2	115.6	149.0	..	212.9
1Q2019	182.5	127.3	122.8	169.4	..	234.4
2Q2019	199.5	135.2	105.4	167.4	..	231.9
3Q2019	185.1	132.1	104.8	163.8	..	225.8
4Q2019	184.7	132.6	107.2	163.6	..	224.8
1Q2020	156.3	131.4	97.2	103.3	..	242.5
2Q2020	104.8	119.2	85.4	99.1	..	236.5
3Q2020

NETHERLANDS

Sources

Prices and taxes data for transportation fuels, natural gas and electricity for households, as well as energy price indices, are provided on a quarterly basis by the **Central Bureau of Statistics (CBS)**.

Prices and taxes data for low sulphur fuel oil and light fuel oil are based on weekly data published in the **European Commission's Weekly Oil Bulletin**.

Prices and taxes data for natural gas and electricity for industry are based on data published by **Eurostat**.

Data collection methodology

From 1Q1984 onwards, prices refer to the average of the daily prices. Prior to 1Q1984, prices refer to the first month of the quarter.

Oil products

For low sulphur fuel oil and light fuel oil, prices are derived from the European Commission's *Weekly Oil Bulletin*, which reports weekly ex-tax and total prices. Quarterly and annual figures are calculated as arithmetical averages of the weekly data. Total taxes are calculated as the subtraction of the ex-tax prices from the final prices. Excise taxes for non-commercial users are calculated by subtracting VAT from the total taxes. For commercial users, excise taxes are equal to total taxes, as they are exempt from VAT.

For automotive diesel, unleaded premium (95 RON) gasoline and automotive LPG, end-use prices are average of prices gathered from most filling stations in the country. Prices refer to self-service pumps. Ex-tax prices are calculated by subtracting the applicable tax components from the end-use prices.

Prices for premium unleaded (98RON) gasoline, from 1Q2010 onwards, are not available since the traded volumes in the country are negligible.

Natural gas

For industry, prices refer to the Eurostat consumption band I4 for industry (annual consumption: 100 000 – 1 000 000 GJ), which represented 23% of total consumption in 2008.

Eurostat data are bi-annual, therefore, prices for 1Q and 2Q are the same, as are those for 3Q and 4Q.

Excise taxes are calculated by subtracting prices excluding taxes from prices including non-VAT taxes, as published by Eurostat.

Until 4Q2006, prices refer to large-consumers based on an annual consumption of 25 million m³. Industries with an assumed consumption of 25 million m³ were subject to a tariff for the first 10 million m³, and a lower tariff for the remaining 15 million m³.

For households, prices and taxes for households are calculated by CBS using an annual consumption of 2 000 standard m³ (Sm³) and include standing charges and the average tariffs of all distributors during the period. The applicable tax components are then added to the ex-tax price to obtain the end-use price.

Coal

Coal prices are currently not available.

Electricity

For industry, prices refer to the Eurostat consumption band ID for industry (annual consumption: 2 000 – 20 000 MWh), which represented 25% of total consumption in 2008.

Eurostat data are bi-annual, therefore, prices for 1Q and 2Q are the same, as are those for 3Q and 4Q.

Excise taxes are calculated by subtracting prices excluding taxes from prices including non-VAT taxes, as published by Eurostat.

For households, prices refer to the average tariff per MWh charged by distributors. Excise taxes on electricity for households consist of a variable component, proportional to consumption, and a fixed yearly discount, independent of consumption. For the purpose of calculating an effective excise tax rate per MWh, an average consumption of 3 MWh per year is assumed. Because of this assumption, excise tax rates for electricity can be negative for certain quarters.

Energy price indices

Annual and quarterly indices are 12-month and 3-month averages, respectively, of the monthly indices produced by CBS.

Retail indices are chained series that have been extended backwards from 4Q2002. Therefore, the value in the base year may not be exactly equal to 100.

Wholesale indices for oil products refer to the Producer Prices Indices (PPIs) for *oil refinery products*. Retail indices refer to the Consumer Prices Indices (CPIs) for *fuels and lubricants*.

Wholesale and retail indices for electricity refer to the PPIs and CPIs for electricity, respectively.

Wholesale indices for natural gas refer to the PPIs for liquid and gaseous natural gas. Retail indices refer to the CPIs for gas.

Energy taxation

VAT

VAT (*BTW*) was introduced on 1 January 1969 through the Value Added Tax Act 1968. The VAT is refunded for purchases for commercial purposes. Therefore, it is not included in prices shown for the industrial and electricity generation sectors, as well as for automotive fuels for commercial use.

From	To	%
01.01.78	31.12.83	18.0
01.01.84	30.09.86	19.0
01.10.86	31.12.88	20.0
01.01.89	30.09.92	18.5
01.10.92	31.12.00	17.5
01.01.01	30.09.12	19.0
01.10.12	now	21.0

Excise tax

Excise taxes on commercial energy products are levied in accordance with the 2003 EU Energy Taxation Directive.

Excise taxes in the Netherlands comprise excise duties, stockholding fees and environmental taxes.

Tax applicability table (not exhaustive)

	HSFO/LSFO	LFO	Diesel	Gasoline	LPG	Natural gas	Steam coal	Coking coal	Electricity
Excise duties	x	x	x	x	x				
Stockholding fee		x	x	x	x				
Energy tax						x			x
Coal tax							x	x	

Excise duties (*Accijns*)

The current excise taxation system on energy products is legally defined in the Excise Duties Act of 1991, which came into effect on 14 November 1991.

Excise duties apply to gasoline, automotive diesel, light and heavy fuel oil and automotive LPG. There is no separate excise rate for biofuels in the Excise Duties Act, and so the excise rate for biofuels is that of the closest fossil fuel. A partial rebate scheme was introduced for the excise duty on biofuels, to compensate for the lower energy content per unit compared to fossil fuels.

For light fuel oil, automotive diesel and LPG, large consumers as well as churches, non-profit associations and greenhouses without access to natural gas, paid excise duties on these products at a discounted rate until 1 January 2013.

Stockholding fee (*Voorraadheffing*)

The Stockholding fee was introduced on 1 August 2009 on gasoline, automotive diesel, light fuel oil and LPG sales. This fee is used to finance infrastructure spending and operations of the country's stockholding obligations, pursuant to its membership to the IEA.

The Netherlands' strategic oil stocks are managed by COVA (*Centraal Orgaan Voorraadvorming Aardolieproducten*), an independent national non-profit organisation, legally established through the 2012 Oil Stockpiling Act (Chapter 2, Art. 15-22).

Energy tax (*Energiebelasting*)

The Energy tax is an environmental tax (*milieubelasting*) that applies to natural gas and electricity consumption. It is legally defined in the Environmental Taxes Act, which first came into effect on 1 January 1995, as amended.

The tax applies to natural gas and electricity, whether it is purchased via a distribution system operator or in the free market, except for natural gas used for electricity production.

The tax comprises two variable components, expressed per consumption unit (Sm³ for natural gas and kWh for electricity), and a fixed annual credit (*belastingvermindering*).

The first component consists of a base rate that depends on the consumption band, and certain activities, like greenhouses, benefit from a reduced rate for natural gas. The second component, introduced on 1 January 2013, consists of a renewable energy storage support contribution (*opslag duurzame energie*). The fixed annual tax credit (*belastingvermindering*) is deducted from the energy tax payments on electricity for households. The justification for this system is that the Administration considers that energy use, to a certain extent, is a basic need. Tax credit being a negative component of the excise tax, its increase combined with decrease in taxation has led in 1Q2020 to negative values for excise tax. Tax credits for other electricity consumers were abolished on 1 January 2015. Tax credits for natural gas consumption were abolished on 1 January 2008.

In the tax rate tables shown at the end of this section, the rates per MWh include both variable components for standard users.

Coal tax (*Kolenbelasting*)

The Coal tax in the Netherlands is an environmental tax (*milieubelasting*) that applies to coal consumption. It is legally defined in the Environmental Taxes Act, as amended, which came in force on 1 January 1995. Rates are expressed on a per tonne basis.

Excise duties (*Accijns*)

From	To	Heavy fuel oil (EUR/tonne)	Light fuel oil (EUR/1000l)	Automotive diesel (EUR/l)	Gasoline (EUR/l)	Automotive LPG (EUR/l)
01.01.11	31.12.11	33.89	423.6	0.4236	0.71827	0.082
01.01.12	31.12.12	34.47	430.8	0.4308	0.73048	0.088
01.01.13	31.12.13	35.23	440.28	0.44028	0.74655	0.095
01.01.14	31.12.14	35.83	477.76	0.47776	0.75924	0.174
01.01.15	31.12.15	36.15	482.06	0.48206	0.76607	0.181
01.01.16	31.12.16	36.33	484.47	0.48447	0.76990	0.182
01.01.17	31.12.17	36.44	485.92	0.48592	0.77221	0.182
01.01.18	31.12.18	36.73	489.81	0.48981	0.77839	0.184
01.01.19	31.12.19	37.17	495.69	0.49569	0.78773	0.186
01.01.20	Now	37.76	503.62	0.50362	0.80033	0.189

Stockholding fee (*Voorraadheffing*)

From	To	Light fuel oil (EUR/1000l)	Automotive diesel (EUR/l)	Gasoline (EUR/l)	Automotive LPG (EUR/l)
01.08.09	31.03.13	5.9	0.0059	0.0059	0.0059
01.04.13	now	8.0	0.008	0.008	0.008

Energy tax (*Energiebelasting*) - Natural gas

From	To	Category I (EUR/MWh)	Category II (EUR/MWh)	Category III (EUR/MWh)	Category IV (EUR/MWh)	Category V (EUR/MWh)	Category VI (EUR/MWh)	Annual discount (EUR)
01.01.02	31.12.02	13.77	7.01	2.18	1.08	0.72	0.72	96.00
01.01.03	31.12.03	14.27	7.26	2.26	1.13	0.75	0.75	96.84
01.01.04	31.12.04	14.62	7.44	2.32	1.16	1.08	0.77	98.18
01.01.05	31.12.05	15.29	10.43	3.18	1.18	1.09	0.78	0
01.01.06	31.12.06	15.42	12.67	3.48	1.19	1.10	0.79	0
01.01.07	31.12.07	15.67	13.72	3.80	1.21	1.12	0.80	0
01.01.08	30.06.08	15.89	13.92	3.86	1.23	1.15	0.81	0
01.07.08	31.12.08	15.89	13.92	3.86	1.23	1.15	0.89	0
01.01.09	31.12.09	16.16	14.17	3.93	1.25	1.17	0.82	0
01.01.10	31.12.10	16.66	14.43	4.00	1.27	1.19	0.84	0
01.01.11	31.12.11	16.77	14.52	4.02	1.28	1.20	0.84	0
01.01.12	31.12.12	17.05	14.76	4.09	1.30	1.22	0.85	0
01.01.13	31.12.13	19.29	19.29	4.58	1.67	1.20	1.20	0
01.01.14	31.12.14	19.84	19.84	4.73	1.72	1.24	1.24	0
01.01.15	31.12.15	20.31	20.31	7.22	2.61	1.27	1.27	0
01.01.16	31.12.16	26.90	26.90	7.54	2.73	1.33	1.33	0
01.01.17	31.12.17	27.41	27.41	7.10	2.59	1.37	1.37	0
01.01.18	31.12.18	29.45	29.45	7.67	2.80	1.90	1.90	0
01.01.19	31.12.19	35.22	35.22	8.30	3.03	1.62	1.62	0
01.01.20	now	41.82	41.82	8.73	4.52	3.41	3.41	0

Energy tax (*Energiebelasting*) - Electricity

From	To	Category I (EUR/MWh)	Category II (EUR/MWh)	Category III (EUR/MWh)	Category IV (EUR/MWh)	Category V (EUR/MWh)	Annual discount (EUR)
01.01.01	31.12.01	58.30	19.40	5.90			45.38
01.01.02	31.12.02	60.10	20.00	6.10			46.00
01.01.03	31.12.03	63.90	20.70	6.30			46.00
01.01.04	31.12.04	65.40	21.20	6.50	1.00	0.50	46.00
01.01.05	31.12.05	69.90	26.30	8.60	1.00	0.50	46.00
01.01.06	31.12.06	70.50	34.30	9.40	1.00	0.50	48.16

From	To	Category I (EUR/MWh)	Category II (EUR/MWh)	Category III (EUR/MWh)	Category IV (EUR/MWh)	Category V (EUR/MWh)	Annual discount (EUR)
01.01.07	31.12.07	71.60	36.90	10.20	1.00	0.50	100.82
01.01.08	30.06.08	75.20	37.50	10.40	1.00	0.50	100.82
01.07.08	31.12.08	75.20	37.50	10.40	1.00	0.50	199.00
01.01.09	31.12.09	108.50	39.80	10.60	1.00	0.50	318.62
01.01.10	31.12.10	111.40	40.60	10.80	1.00	0.50	318.62
01.01.11	31.12.11	112.10	40.80	10.90	1.00	0.50	318.62
01.01.12	31.12.12	114.00	41.50	11.10	1.00	0.50	318.62
01.01.13	31.12.13	117.60	43.80	11.70	1.02	0.52	318.62
01.01.14	31.12.14	120.80	45.80	12.20	1.03	0.53	318.62
01.01.15	31.12.15	123.20	51.50	13.70	1.06	0.56	311.84
01.01.16	31.12.16	106.30	56.96	15.21	1.15	0.61	310.81
01.01.17	31.12.17	107.70	61.31	16.35	1.20	0.66	308.54
01.01.18	31.12.18	117.78	70.74	18.84	1.35	0.76	308.54
01.01.19	31.12.19	117.50	81.17	21.61	1.47	0.88	257.54
01.01.20	now	125.00	88.33	34.03	1.51	0.95	435.68

Coal tax (*Kolenbelasting*)

From	To	Coal (EUR/tonne)
01.01.09	31.12.09	13.17
01.01.10	31.12.10	13.42
01.01.11	31.12.11	13.50
01.01.12	31.12.12	13.73
01.01.13	31.12.13	14.03
01.01.14	31.12.14	14.27
01.01.15	31.12.15	14.40
01.01.16	31.12.16	14.47
01.01.17	31.12.17	14.51
01.01.18	31.12.18	14.63
01.01.19	31.12.19	14.81
01.01.20	now	15.05

Product specifications

Oil products

	Low sulphur fuel oil	Light fuel oil	Automotive diesel	Premium unleaded (98 RON) gasoline	Premium unleaded (95 RON) gasoline	Automotive LPG
Quality		HBO I		Euro 98	Euro 95	
Density (kg/l)		0.84	0.84	0.745	0.745	0.53
Sulphur content (%)	< 1					
NCV (kcal/kg)	9 760	10 100				
Delivery size	25 000 tonne/y	3 000 – 5 000 l				

Natural gas and coal

	Natural gas	Steam coal industry electricity generation	Steam coal <i>households</i>
Quality			
GCV (kcal/m ³)	8 406	Hard coal	Anthracite
NCV (kcal/kg)		7 000	

NEW ZEALAND

Table 1 - Average prices and taxes in NZ dollars

Low sulphur fuel oil for industry (per tonne)					High sulphur fuel oil for industry (per tonne)					
	Ex-tax price	Excise tax	GST	Total tax	Total price	Ex-tax price	Excise tax	GST	Total tax	Total price
2009	684.1	-	-	-	684.1
2010	822.4	-	-	-	822.4
2011	844.9	-	-	-	844.9
2012	861.4	-	-	-	861.4
2013	825.2	-	-	-	825.2
2014	769.9	-	-	-	769.9
2015	549.9	-	-	-	549.9
2016	434.8	-	-	-	434.8
2017	581.6	-	-	-	581.6
2018	700.2	-	-	-	700.2
2019	686.4	-	-	-	686.4
3Q2019	777.3	-	-	-	777.3
4Q2019	584.6	-	-	-	584.6
1Q2020	631.0	-	-	-	631.0
2Q2020	387.7	-	-	-	387.7
3Q2020
Light fuel oil for industry (per 1000 litres)					Light fuel oil for households (per 1000 litres)					
	Ex-tax price	Excise tax	GST	Total tax	Total price	Ex-tax price	Excise tax	GST	Total tax	Total price
2009	698.9	-	-	-	698.9
2010	799.3	-	-	-	799.3
2011	976.6	-	-	-	976.6
2012	969.1	-	-	-	969.1
2013	928.1	-	-	-	928.1
2014	856.5	-	-	-	856.5
2015	633.8	-	-	-	633.8
2016	520.0	-	-	-	520.0
2017	682.3	-	-	-	682.3
2018	864.0	-	-	-	864.0
2019	790.0	-	-	-	790.0
3Q2019	810.6	-	-	-	810.6
4Q2019	714.8	-	-	-	714.8
1Q2020	678.2	-	-	-	678.2
2Q2020	527.1	-	-	-	527.1
3Q2020
Automotive diesel for commercial use (per litre)					Automotive diesel for non-commercial use (per litre)					
	Ex-tax price	Excise tax	GST	Total tax	Total price	Ex-tax price	Excise tax	GST	Total tax	Total price
2009	0.903	0.004	-	0.004	0.906	0.903	0.004	0.113	0.117	1.020
2010	0.982	0.004	-	0.004	0.986	1.034	0.004	0.136	0.140	1.174
2011	1.172	0.004	-	0.004	1.176	1.288	0.004	0.194	0.198	1.486
2012	1.178	0.004	-	0.004	1.182	1.303	0.004	0.196	0.200	1.502
2013	1.143	0.004	-	0.004	1.147	1.276	0.004	0.192	0.196	1.472
2014	1.049	0.004	-	0.004	1.053	1.225	0.004	0.184	0.188	1.414
2015	0.809	0.004	-	0.004	0.812	0.991	0.004	0.149	0.153	1.143
2016	0.622	0.005	-	0.005	0.626	0.876	0.005	0.132	0.137	1.013
2017	0.785	0.006	-	0.006	0.791	1.020	0.006	0.154	0.160	1.180
2018	1.036	0.024	-	0.024	1.060	1.224	0.024	0.187	0.211	1.434
2019	0.979	0.043	-	0.043	1.021	1.219	0.043	0.189	0.232	1.451
3Q2019	1.000	0.044	-	0.044	1.044	1.193	0.044	0.185	0.229	1.422
4Q2019	0.980	0.044	-	0.044	1.024	1.191	0.044	0.185	0.229	1.420
1Q2020	0.897	0.044	-	0.044	0.941	1.158	0.044	0.180	0.224	1.382
2Q2020	0.630	0.044	-	0.044	0.674	0.966	0.044	0.152	0.196	1.162
3Q2020

NEW ZEALAND

Table 2 - Average prices and taxes in NZ dollars

Premium unleaded (96 RON) gasoline (per litre)					Regular unleaded (91 RON) gasoline (per litre)					
	Ex-tax price	Excise tax	GST	Total tax	Total price	Ex-tax price	Excise tax	GST	Total tax	Total price
2009	0.957	0.536	0.187	0.723	1.679	0.889	0.536	0.178	0.714	1.603
2010	1.077	0.569	0.216	0.785	1.861	0.971	0.591	0.205	0.796	1.768
2011	1.284	0.591	0.281	0.873	2.157	1.195	0.595	0.268	0.863	2.058
2012	1.313	0.600	0.287	0.887	2.200	1.221	0.600	0.273	0.873	2.094
2013	1.308	0.626	0.290	0.916	2.224	1.203	0.626	0.274	0.901	2.103
2014	1.277	0.656	0.290	0.946	2.223	1.157	0.656	0.272	0.928	2.085
2015	1.087	0.671	0.264	0.935	2.022	0.968	0.671	0.246	0.917	1.885
2016	0.994	0.672	0.250	0.922	1.915	0.860	0.672	0.230	0.902	1.762
2017	1.110	0.669	0.267	0.936	2.046	0.970	0.669	0.246	0.915	1.885
2018	1.265	0.691	0.293	0.984	2.249	1.136	0.691	0.274	0.965	2.101
2019	1.212	0.754	0.295	1.048	2.260	1.071	0.754	0.274	1.027	2.098
3Q2019	1.201	0.773	0.296	1.069	2.270	1.064	0.773	0.275	1.048	2.112
4Q2019	1.249	0.773	0.303	1.076	2.325	1.088	0.773	0.279	1.052	2.140
1Q2020	1.206	0.773	0.297	1.069	2.275	1.044	0.773	0.272	1.045	2.089
2Q2020	0.989	0.773	0.264	1.037	2.026	0.819	0.773	0.239	1.011	1.830
3Q2020
Premium leaded/lead replacement gasoline (per litre)					Natural gas for industry (per megawatt hour GCV)					
	Ex-tax price	Excise tax	GST	Total tax	Total price	Ex-tax price	Excise tax	GST	Total tax	Total price
2009	x	x	x	x	x	31.28	1.75	-	1.75	33.03
2010	x	x	x	x	x	27.15	1.76	-	1.76	28.91
2011	x	x	x	x	x	25.62	1.76	-	1.76	27.37
2012	x	x	x	x	x	26.41	1.75	-	1.75	28.17
2013	x	x	x	x	x	27.12	1.75	-	1.75	28.88
2014	x	x	x	x	x	25.04	1.74	-	1.74	26.78
2015	x	x	x	x	x	23.61	1.74	-	1.74	25.34
2016	x	x	x	x	x	20.30	1.73	-	1.73	22.03
2017	x	x	x	x	x	23.42	1.73	-	1.73	25.15
2018	x	x	x	x	x	24.79	1.74	-	1.74	26.53
2019	x	x	x	x	x	22.75	1.73	-	1.73	24.48
3Q2019	x	x	x	x	x	22.68	1.73	-	1.73	24.42
4Q2019	x	x	x	x	x	23.79	1.73	-	1.73	25.52
1Q2020	x	x	x	x	x	23.29	1.73	-	1.73	25.02
2Q2020	x	x	x	x	x	21.58	1.73	-	1.73	23.32
3Q2020	x	x	x	x	x
Natural gas for electricity generation (per megawatt hour GCV)					Natural gas for households (per megawatt hour GCV)					
	Ex-tax price	Excise tax	GST	Total tax	Total price	Ex-tax price	Excise tax	GST	Total tax	Total price
2009	c	c	c	c	c	102.33	1.75	13.01	14.77	117.10
2010	c	c	c	c	c	103.80	1.76	13.85	15.61	119.40
2011	c	c	c	c	c	112.45	1.76	17.13	18.89	131.34
2012	c	c	c	c	c	113.91	1.75	17.35	19.10	133.01
2013	c	c	c	c	c	116.75	1.75	17.78	19.53	136.28
2014	c	c	c	c	c	113.50	1.74	17.29	19.03	132.53
2015	c	c	c	c	c	113.79	1.74	17.33	19.06	132.86
2016	c	c	c	c	c	118.65	1.73	18.06	19.79	138.44
2017	c	c	c	c	c	109.70	1.73	16.71	18.45	128.14
2018	c	c	c	c	c	123.26	1.74	18.75	20.49	143.74
2019	c	c	c	c	c	123.95	1.73	18.85	20.59	144.54
3Q2019	c	c	c	c	c	104.92	1.73	16.00	17.73	122.65
4Q2019	c	c	c	c	c	119.31	1.73	18.16	19.89	139.20
1Q2020	c	c	c	c	c	168.68	1.73	25.56	27.29	195.97
2Q2020	c	c	c	c	c	118.60	1.73	18.05	19.78	138.39
3Q2020	c	c	c	c	c

NEW ZEALAND**Table 3 - Average prices and taxes in NZ dollars**

Steam coal for industry (per tonne)						Steam coal for electricity generation (per tonne)				
	Ex-tax price	Excise tax	GST	Total tax	Total price	Ex-tax price	Excise tax	GST	Total tax	Total price
2009	c	c	c	c	c	c	c	c	c	c
2010	c	c	c	c	c	c	c	c	c	c
2011	c	c	c	c	c	c	c	c	c	c
2012	c	c	c	c	c	c	c	c	c	c
2013	c	c	c	c	c	c	c	c	c	c
2014	c	c	c	c	c	c	c	c	c	c
2015	c	c	c	c	c	c	c	c	c	c
2016	c	c	c	c	c	c	c	c	c	c
2017	c	c	c	c	c	c	c	c	c	c
2018	c	c	c	c	c	c	c	c	c	c
2019	c	c	c	c	c	c	c	c	c	c
3Q2019	c	c	c	c	c	c	c	c	c	c
4Q2019	c	c	c	c	c	c	c	c	c	c
1Q2020	c	c	c	c	c	c	c	c	c	c
2Q2020	c	c	c	c	c	c	c	c	c	c
3Q2020	c	c	c	c	c	c	c	c	c	c
Steam coal for households (per tonne)						Coking coal for industry (per tonne)				
	Ex-tax price	Excise tax	GST	Total tax	Total price	Ex-tax price	Excise tax	GST	Total tax	Total price
2009	x	x	x	x	x	c	c	c	c	c
2010	x	x	x	x	x	c	c	c	c	c
2011	x	x	x	x	x	c	c	c	c	c
2012	x	x	x	x	x	c	c	c	c	c
2013	x	x	x	x	x	c	c	c	c	c
2014	x	x	x	x	x	c	c	c	c	c
2015	x	x	x	x	x	c	c	c	c	c
2016	x	x	x	x	x	c	c	c	c	c
2017	x	x	x	x	x	c	c	c	c	c
2018	x	x	x	x	x	c	c	c	c	c
2019	x	x	x	x	x	c	c	c	c	c
3Q2019	x	x	x	x	x	c	c	c	c	c
4Q2019	x	x	x	x	x	c	c	c	c	c
1Q2020	x	x	x	x	x	c	c	c	c	c
2Q2020	x	x	x	x	x	c	c	c	c	c
3Q2020	x	x	x	x	x	c	c	c	c	c
Electricity for industry (per megawatt hour)						Electricity for households (per megawatt hour)				
	Ex-tax price	Excise tax	GST	Total tax	Total price	Ex-tax price	Excise tax	GST	Total tax	Total price
2009	102.5	-	-	-	102.5	204.1	-	25.5	25.5	229.6
2010	97.8	-	-	-	97.8	215.0	-	28.2	28.2	243.2
2011	103.1	-	-	-	103.1	223.6	-	33.5	33.5	257.2
2012	105.9	-	-	-	105.9	232.0	-	34.8	34.8	266.8
2013	114.8	-	-	-	114.8	239.9	-	36.0	36.0	275.9
2014	120.5	-	-	-	120.5	246.6	-	37.0	37.0	283.6
2015	115.0	-	-	-	115.0	245.6	-	36.8	36.8	282.5
2016	107.1	-	-	-	107.1	248.3	-	37.3	37.3	285.6
2017	122.2	-	-	-	122.2	251.3	-	37.7	37.7	289.0
2018	142.6	-	-	-	142.6	252.6	-	37.9	37.9	290.5
2019	253.1	-	38.0	38.0	291.0
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020

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Table 4 - Indices of energy prices

	Oil products		Electricity		Natural gas		Coal	
	Wholesale 4Q2010 = 100	Retail 2Q2017 = 100	Wholesale 4Q1997 = 100	Retail 2Q2017 = 100	Wholesale 4Q1997 = 100	Retail 2Q2017 = 100	Wholesale 4Q1997 = 100	Retail 2Q2017 = 100
1999	43.3	45.6	96.2	47.0	100.9	43.4	100.0	54.1
2000	56.0	56.9	92.9	47.5	103.1	45.1	99.9	55.4
2001	58.9	55.8	95.3	47.4	109.1	47.3	101.4	58.1
2002	57.8	54.9	100.8	49.8	113.8	50.1	105.7	60.5
2003	57.4	56.0	104.4	53.0	125.6	53.9	113.1	61.7
2004	61.8	62.1	114.5	57.9	143.4	60.1	127.9	63.8
2005	72.3	70.3	126.3	62.1	159.0	65.1	143.7	68.5
2006	86.8	82.7	134.8	66.0	169.0	70.7	156.2	72.6
2007	90.6	82.1	124.6	70.3	187.3	76.3	177.4	74.8
2008	113.5	96.4	160.6	75.1	190.5	85.6	193.3	76.0
2009	91.5	85.4	147.7	78.7	193.3	87.6	211.0	78.5
2010	99.1	94.2	147.8	81.1	188.3	91.4	219.1	80.4
2011	117.2	109.7	147.0	85.3	188.0	94.7	227.1	83.0
2012	121.8	111.7	158.6	88.6	182.5	94.6	236.4	85.4
2013	115.2	112.3	157.9	92.0	179.9	94.3	243.6	85.2
2014	108.3	111.5	156.8	95.3	169.0	96.3	260.0	87.8
2015	80.8	101.1	154.2	96.3	166.8	96.0	..	90.2
2016	64.4	94.7	150.6	97.9	172.7	99.0	..	93.7
2017	75.3	101.1	154.1	99.8	174.0	100.4	..	99.0
2018	91.4	112.5	159.5	102.3	178.6	102.0	..	104.7
2019	89.7	112.5	163.7	104.0	189.9	104.3	..	110.0
3Q2012	121.1	111.5	167.8	89.7	178.8	94.0	241.8	86.0
4Q2012	121.2	110.6	141.3	89.9	183.7	95.4	242.0	86.0
1Q2013	118.9	112.3	156.5	90.0	184.9	94.4	242.0	86.0
2Q2013	116.2	109.5	173.1	92.4	183.8	94.7	243.4	86.2
3Q2013	113.7	115.6	162.7	92.9	184.1	94.6	244.4	84.4
4Q2013	112.0	111.6	139.2	92.6	166.9	93.3	244.4	84.4
1Q2014	112.4	112.7	150.6	92.6	167.2	96.4	259.1	84.4
2Q2014	111.6	112.5	170.7	96.5	167.2	96.3	261.1	86.3
3Q2014	108.7	113.6	162.5	96.3	168.9	96.3	258.8	90.2
4Q2014	100.6	107.1	143.3	95.9	172.8	96.4	260.9	90.2
1Q2015	81.3	95.8	146.3	95.9	166.0	95.9	260.6	90.2
2Q2015	83.2	104.2	163.6	96.5	166.0	95.4	..	91.2
3Q2015	83.6	105.9	164.6	96.4	165.7	95.5	..	89.7
4Q2015	75.0	98.5	142.3	96.3	169.4	97.0	..	89.7
1Q2016	61.3	90.9	148.5	96.4	176.1	97.0	..	89.7
2Q2016	62.2	95.7	158.6	98.2	169.6	99.4	..	94.4
3Q2016	63.7	94.1	157.6	98.6	172.8	99.4	..	95.3
4Q2016	70.5	97.9	137.7	98.4	172.4	100.1	..	95.3
1Q2017	73.2	102.0	144.5	98.6	173.9	99.7	..	95.3
2Q2017	75.1	100.0	155.5	100.0	172.5	100.0	..	100.0
3Q2017	74.6	98.3	166.0	100.2	174.2	100.7	..	100.3
4Q2017	78.2	104.3	150.5	100.4	175.2	101.1	..	100.3
1Q2018	81.6	107.1	157.3	101.2	177.6	101.5	..	100.3
2Q2018	90.5	110.5	152.7	102.9	178.3	101.5	..	105.4
3Q2018	97.0	116.6	157.5	102.7	176.9	101.4	..	106.5
4Q2018	96.6	115.9	170.4	102.5	181.6	103.4	..	106.5
1Q2019	87.7	107.8	164.9	103.8	188.1	103.6	..	106.5
2Q2019	90.2	114.1	165.0	104.3	188.5	103.6	..	111.1
3Q2019	91.1	113.2	167.6	104.1	186.7	103.9	..	111.1
4Q2019	89.9	115.0	157.3	103.9	196.3	106.0	..	111.1
1Q2020	81.5	112.3	162.5	105.2	200.8	106.0	..	111.1
2Q2020	64.8	98.7	164.2	105.7	193.9	105.4	..	116.8
3Q2020

NEW ZEALAND

Sources

Prices and taxes data for all energy products are provided on a quarterly basis by the **Ministry of Business, Innovation and Employment (MBIE)**.

Energy price indices are provided on a quarterly basis by **Statistics New Zealand**.

Data collection methodology

Prior to 1Q1986, prices refer to the end of the quarter. From 1Q1986 to 4Q1989, prices refer to the second month of the quarter. From 1Q1990 onwards, prices refer to quarterly averages.

Data collection for all products covers the whole country. For all products, MBIE collects end-use prices and calculates the ex-tax price by subtracting the applicable taxes from the end-use prices.

Oil products

From 3Q1987 onwards, oil product prices refer to market prices (no price control). Prior to 3Q1987, prices refer to retail prices set by Government regulation.

For high sulphur fuel oil, low sulphur fuel oil and automotive diesel for commercial users, prices are calculated based on a quarterly price survey of the four largest oil companies in the country and monthly sales data for the same companies collected by MBIE analysts. These two series are combined to obtain quarterly and annual average price series, weighted by each company's market share.

For automotive diesel for non-commercial users, premium unleaded (95 RON) gasoline and regular unleaded gasoline, quarterly prices are collected by Statistics New Zealand. Prices are net of discounts obtained through supermarkets and loyalty schemes.

Since 1998, electricity generation from heavy fuel oil, used for peak capacity, has been negligible.

Natural gas

For industry and households, prices are calculated by dividing the total sales revenues by total consumption, based on data obtained in quarterly surveys of retailers.

For electricity generation, prices are confidential.

Steam and coking coal

For steam and coking coal prices for industry and electricity generation, prices are confidential.

Electricity

For industry and households, prices are calculated by adding sales revenues, obtained in quarterly surveys of electricity retailers, and dividing the total by sectoral consumption data obtained in the same survey.

For industry, MBIE supplements the information with quarterly data on large industrial consumers connected to the national grid and purchasing electricity directly in an open market, supplied by Transpower, the national grid operator.

Electricity distribution companies supply additional detailed information regarding directly invoiced customers on an annual basis. As these companies reconcile their financial accounts in March each year, there is a mismatch between the sources. In order to ensure consistency with historical series, MBIE can only produce annual electricity data.

Energy price indices

Wholesale indices refer to the Producer Price Indices (PPIs). Retail indices refer to the Consumer Price Indices (CPIs). Both indices are produced by Statistics New Zealand on a quarterly basis.

Annual figures are averages of the quarterly data shown.

PPI indices for oil products refer to Series PPIQ.SQUCC5110. Prices for petrol and diesel make up 63% of the index, with other (non-crude) petroleum oils making up a further 30% which include other fuel oils such as aviation fuel, light fuel oil and lubricating oils. Prices for this index are collected from the three major oil product retailers in New Zealand.

Retail indices for oil products refer to petrol (Series CPIQ.SE907202).

PPI indices for electricity refer to Series PPIQ.SPB17100M. These are quarterly average prices for electricity sold to business customers. Prices for this index are collected from the five major electricity retailers in New Zealand.

Retail indices for electricity refer to electricity (Series CPIQ.SE904501).

PPI indices for natural gas refer to Series PPIQ.SPB12000E. This index comprised of quarterly

average prices for gas sold to business customers and weighted average prices for regional gas sales. Prices for this index are collected from the four major gas retailers in New Zealand.

Retail indices for natural gas refer to gas (Series CPIQ.SE904502).

Wholesale indices for coal are not released due to confidentiality reasons.

Retail indices for coal refer to solid fuels (Series CPIQ.SE904503).

Energy taxation

GST

The Goods and services tax (*GST*) applies to all energy products. The GST is refunded for purchases for commercial consumers. Therefore, it is not included in prices shown for the industrial and electricity generation sectors, as well as for automotive fuels for commercial use.

From	To	%
01.10.86	30.06.89	10.0
01.07.89	30.09.10	12.5
01.10.10	now	15.0

Excise tax

The Energy (Fuels, Levies, and References) Act (1989/140) sets out the basic legal framework for the energy taxation system.

In general, excise taxes imposed on energy products are applied for the purposes of covering the costs incurred by the administration as a result of energy use.

Automotive diesel is not taxed at the pump, as diesel-powered vehicle owners are subject to annual Road User Charges (RUC), paid on a per-kilometer basis and contribute to the Accident Compensation Corporation (ACC) through annual licensing fees. These charges are not included in the excise tax column for automotive diesel. Similarly, bioethanol is subject to excise duty but biodiesel is subject to the RUC. The combination of levies is set so that the average gasoline-powered vehicle pays a similar amount to what is paid by diesel-powered vehicle owners.

Electricity and fuels used for electricity generation are not taxed. Fuels for heating and process uses are, in general, either not taxed or subject to a full refund, and

are therefore not included in the excise tax column in this publication.

Levies are exclusive of goods and services tax under the Goods and Services Tax Act 1985.

Tax applicability table (not exhaustive)

	HSFO/LSFO	LFO	Diesel	Gasoline	LPG	Natural gas	Steam coal	Coking coal	Electricity
National land transport fund				✗	✗				
Accident compensation corporation levy				✗					
Petroleum or engine fuel monitoring levy			✗	✗					
Local authorities fuel tax			✗	✗					
Regional fuel tax			✗	✗					
Energy resources levy					✗	✗	✗	✗	
Wholesale gas levy						✗			

National land transport fund

Land transport funding is governed by the Land Transport Management Act 2003 and subsequent amendments.

The revenue collected goes to the National Land Transport Fund to fund the National Land Transport Programme, which focuses on building and maintaining New Zealand's transport network.

Accident compensation corporation levy

The Accident Compensation Corporation (ACC) levy was introduced on 1 July 2003, to cover the cost of accidents and rehabilitation for victims of accidents in public roads, and is financed by annual licensing fees and levies on road fuels.

Petroleum or engine fuel monitoring levy

An additional levy applies to transportation fuels. In 2016, the Energy (Fuels, Levies, and References) Act (1989/140) was amended to eliminate the previous maximum rate of 0.00045 NZD/l.

The Petroleum or engine fuel monitoring levy is a funding mechanism for New Zealand's IEA oil stockholding obligations, which were previously funded through general taxation.

Local authorities fuel tax

Cities and district councils impose an additional tax on transportation fuels, available for general local government expenditure. The tax rate, on a per litre basis, does not vary across the country and is relatively stable in time.

Regional fuel tax

In 2018, the Land Transport Management Act (2003/118) was amended to allow for regional transport fuel taxes. These taxes apply to all transport fuel sales within a given administrative region, with some exceptions depending on end use. The maximum rate of regional fuel tax is 0.10 NZD/l.

The amendment allows for the immediate introduction of a regional fuel tax in the Auckland region. Other regions may introduce regional fuel taxes from 1 January 2021.

On 1 July 2018 Auckland introduced a regional fuel tax of 0.10 NZD/l. The 1Q2019 publication is the first to include the Auckland regional fuel tax in the calculation of prices. A national weighted-average of this tax has been calculated using population as at 30 June 2018 as the weights. Previously published data which did not include the Auckland regional fuel tax have been revised accordingly.

National land transport fund

From	To	Gasoline (NZD/l)
15.05.98	30.06.00	0.136
01.07.00	28.02.02	0.135
01.03.02	30.09.04	0.177
01.10.04	31.03.05	0.175
01.04.05	31.03.06	0.225
01.04.06	31.03.07	0.232
01.04.07	30.09.08	0.238
01.10.08	30.09.09	0.425
01.10.09	30.09.10	0.455
01.10.10	31.07.12	0.485
01.08.12	30.06.13	0.505
01.07.13	30.06.14	0.535
01.07.14	30.06.15	0.565
01.07.15	29.09.18	0.595
30.09.18	30.06.19	0.630
01.07.19	30.06.20	0.665
01.07.20	now	0.700

Energy resources levy

The Energy resources levy, established by the Energy Resources Levy Act (1976/71) applies to locally produced coal, as well as natural gas and LPG produced from certain fields.

Natural gas produced in fields discovered after 1 January 1986 is exempt.

Since its introduction on 1 January 1977, this levy has remained at a flat rate of 1.5 NZD/tonne for South Island lignite, 2 NZD/tonne for all other local coal qualities, and 0.45 NZD/GJ for natural gas.

Wholesale gas levy

Under the Energy (Fuels, Levies, and References) Act (1989/140), natural gas used for electricity generation is exempt from levies. This Act also establishes a maximum tax rate of 0.02 NZD/GJ.

Under the Gas Levy (1992/124), the Gas Industry Company (the gas industry co-regulator) can recommend the natural gas levy rates imposed on industrial consumers on a per GJ basis.

Retail natural gas consumers are subject to a fixed annual levy independent of consumption.

Accident compensation corporation levy

From	To	Gasoline (NZD/l)
01.10.91	19.03.01	0.020
20.03.01	30.06.01	0.030
01.07.01	30.06.03	0.023
01.07.03	30.06.05	0.051
01.07.05	30.06.07	0.058
01.07.07	30.06.08	0.073
01.07.08	30.06.09	0.093
01.07.09	30.06.15	0.099
01.07.15	30.05.17	0.069
01.06.17	now	0.060

Petroleum or engine fuel monitoring levy

From	To	Automotive diesel (NZD/l)	Gasoline (NZD/l)
01.01.89	30.09.08	0.00025	0.00025
01.10.08	30.06.16	0.00045	0.00045
01.07.16	30.06.17	0.00200	0.00200
01.07.17	30.06.19	0.00300	0.00300
01.07.19	30.06.20	0.00600	0.00600
01.07.20	now	0.00610	0.00610

Local authorities fuel tax

From	To	Automotive diesel (NZD/l)	Gasoline (NZD/l)
01.02.71	now	0.0033	0.0066

Wholesale gas levy

From	To	Natural gas <i>industry</i> (NZD/MWh)
01.07.05	30.06.06	0.054
01.07.06	30.06.07	0.064
01.07.07	30.06.08	0.069
01.07.08	30.06.09	0.064
01.07.09	30.06.10	0.060
01.07.10	30.06.11	0.066
01.07.11	30.06.12	0.060
01.07.12	30.06.13	0.063
01.07.13	30.06.14	0.059
01.07.14	30.06.15	0.047
01.07.15	30.06.13	0.040
01.07.16	30.06.17	0.041
01.07.17	30.06.18	0.044
01.07.18	30.06.19	0.045
01.07.19	30.06.20	0.041
01.07.20	now	0.040

Regional fuel tax: Auckland

From	To	All transport fuels (NZD/l)	National-weighted average (NZD/l)
01.07.18	now	0.10	0.0347

Product specifications

	High sulphur fuel oil	Light fuel oil	Automotive diesel	Premium unleaded (95 RON) gasoline	Regular unleaded gasoline	Natural gas	Steam coal
Quality	Heavy fuel oil	Blended heating oil	Automotive gasoil				Bituminous coal
Octane number				95	91		
Density (kg/l)	0.945	0.824	0.822	0.757	0.739		
Sulphur content (%)	<3	<2	<0.01	<0.005	<0.005		
NCV (kcal/kg)							
GCV (kcal/m ³)	10 129	10 366	10 297	10 466	10 296		6 836

NORWAY**Table 1 - Average prices and taxes in Norwegian kroner**

Low sulphur fuel oil for industry (per tonne)					High sulphur fuel oil for industry (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	x	x	x	x	x
2010	x	x	x	x	x
2011	x	x	x	x	x
2012	x	x	x	x	x
2013	x	x	x	x	x
2014	x	x	x	x	x
2015	x	x	x	x	x
2016	x	x	x	x	x
2017	x	x	x	x	x
2018	x	x	x	x	x
2019	x	x	x	x	x
3Q2019	x	x	x	x	x
4Q2019	x	x	x	x	x
1Q2020	x	x	x	x	x
2Q2020	x	x	x	x	x
3Q2020	x	x	x	x	x
Light fuel oil for industry (per 1000 litres)					Light fuel oil for households (per 1000 litres)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	4 294	1 440	-	1 440	5 734	4 294	1 440	1 434	2 874	7 168
2010	5 094	1 466	-	1 466	6 560	5 094	1 466	1 640	3 106	8 200
2011	5 874	1 573	-	1 573	7 447	5 874	1 573	1 862	3 435	9 309
2012	6 491	1 599	-	1 599	8 090	6 491	1 599	2 023	3 622	10 113
2013	6 288	1 599	-	1 599	7 887	6 288	1 599	1 972	3 571	9 858
2014	7 198	1 599	-	1 599	8 797	7 198	1 599	2 199	3 798	10 997
2015	6 256	1 599	-	1 599	7 855	6 256	1 599	1 964	3 563	9 819
2016	5 893	1 599	-	1 599	7 492	5 893	1 599	1 873	3 472	9 365
2017	5 204	2 803	-	2 803	8 007	5 204	2 803	2 002	4 805	10 009
2018	5 987	2 960	-	2 960	8 947	5 987	2 960	2 237	5 197	11 183
2019	6 576	2 960	-	2 960	9 536	6 576	2 960	2 384	5 344	11 921
3Q2019	6 526	2 960	-	2 960	9 486	6 526	2 960	2 372	5 332	11 858
4Q2019	6 748	2 960	-	2 960	9 708	6 748	2 960	2 427	5 387	12 135
1Q2020	x	x	x	x	x	x	x	x	x	x
2Q2020	x	x	x	x	x	x	x	x	x	x
3Q2020	x	x	x	x	x	x	x	x	x	x
Automotive diesel for commercial use (per litre)					Automotive diesel for non-commercial use (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	4.51	4.07	-	4.07	8.58	4.51	4.07	2.14	6.21	10.72
2010	5.27	4.14	-	4.14	9.41	5.27	4.14	2.35	6.49	11.76
2011	5.94	4.21	-	4.21	10.15	5.94	4.21	2.54	6.75	12.69
2012	6.30	4.28	-	4.28	10.58	6.30	4.28	2.64	6.92	13.22
2013	6.17	4.36	-	4.36	10.53	6.17	4.36	2.63	6.99	13.16
2014	6.04	4.44	-	4.44	10.48	6.04	4.44	2.62	7.06	13.10
2015	5.33	4.45	-	4.45	9.78	5.33	4.45	2.45	6.90	12.23
2016	4.77	4.56	-	4.56	9.33	4.77	4.56	2.33	6.89	11.66
2017	5.79	5.00	-	5.00	10.79	5.79	5.00	2.70	7.70	13.49
2018	6.80	5.08	-	5.08	11.88	6.80	5.08	2.97	8.05	14.86
2019	6.83	5.08	-	5.08	11.91	6.83	5.08	2.98	8.06	14.89
3Q2019	6.81	5.08	-	5.08	11.89	6.81	5.08	2.97	8.05	14.86
4Q2019	6.85	5.08	-	5.08	11.93	6.85	5.08	2.98	8.06	14.91
1Q2020	6.81	5.08	-	5.08	11.89	6.81	5.08	2.97	8.05	14.86
2Q2020	5.81	5.08	-	5.08	10.89	5.81	5.08	2.72	7.80	13.62
3Q2020

NORWAY**Table 2 - Average prices and taxes in Norwegian kroner**

Premium unleaded (98 RON) gasoline (per litre)					Premium unleaded (95 RON) gasoline (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	4.41	5.30	2.43	7.73	12.14	4.20	5.30	2.38	7.68	11.88
2010	5.10	5.40	2.62	8.02	13.12	4.75	5.40	2.54	7.94	12.69
2011	5.83	5.50	2.83	8.33	14.16	5.44	5.50	2.74	8.24	13.67
2012	6.50	5.58	3.02	8.60	15.26	6.33	5.58	2.98	8.56	14.89
2013	x	x	x	x	x	6.09	5.69	2.95	8.64	14.72
2014	x	x	x	x	x	6.02	5.80	2.96	8.76	14.78
2015	x	x	x	x	x	5.16	5.82	2.75	8.57	13.73
2016	x	x	x	x	x	4.88	5.96	2.71	8.67	13.55
2017	x	x	x	x	x	5.48	6.23	2.93	9.16	14.63
2018	x	x	x	x	x	6.11	6.33	3.11	9.44	15.55
2019	x	x	x	x	x	6.22	6.33	3.14	9.47	15.69
3Q2019	x	x	x	x	x	6.43	6.33	3.19	9.52	15.95
4Q2019	x	x	x	x	x	6.28	6.33	3.15	9.48	15.77
1Q2020	x	x	x	x	x	6.13	6.33	3.11	9.44	15.57
2Q2020	x	x	x	x	x	5.01	6.33	2.84	9.17	14.18
3Q2020	x	x	x	x	x
Premium leaded/lead replacement gasoline (per litre)					Natural gas for industry (per megawatt hour GCV)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	4.65	5.30	2.49	7.79	12.44	x	x	x	x	x
2010	5.34	5.40	2.68	8.08	13.42	x	x	x	x	x
2011	x	x	x	x	x	x	x	x	x	x
2012	x	x	x	x	x	x	x	x	x	x
2013	x	x	x	x	x	x	x	x	x	x
2014	x	x	x	x	x	x	x	x	x	x
2015	x	x	x	x	x	x	x	x	x	x
2016	x	x	x	x	x	x	x	x	x	x
2017	x	x	x	x	x	x	x	x	x	x
2018	x	x	x	x	x	x	x	x	x	x
2019	x	x	x	x	x	x	x	x	x	x
3Q2019	x	x	x	x	x	x	x	x	x	x
4Q2019	x	x	x	x	x	x	x	x	x	x
1Q2020	x	x	x	x	x	x	x	x	x	x
2Q2020	x	x	x	x	x	x	x	x	x	x
3Q2020	x	x	x	x	x	x	x	x	x	x
Natural gas for electricity generation (per megawatt hour GCV)					Natural gas for households (per megawatt hour GCV)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	x	x	x	x	x
2010	x	x	x	x	x
2011	x	x	x	x	x
2012	x	x	x	x	x
2013	x	x	x	x	x
2014	x	x	x	x	x
2015	x	x	x	x	x
2016	x	x	x	x	x
2017	x	x	x	x	x
2018	x	x	x	x	x
2019	x	x	x	x	x
3Q2019	x	x	x	x	x
4Q2019	x	x	x	x	x
1Q2020	x	x	x	x	x
2Q2020	x	x	x	x	x
3Q2020	x	x	x	x	x

NORWAY**Table 3 - Average prices and taxes in Norwegian kroner**

Steam coal for industry (per tonne)					Steam coal for electricity generation (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020
Steam coal for households (per tonne)					Coking coal for industry (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	x	x	x	x	x
2010	x	x	x	x	x
2011	x	x	x	x	x
2012	x	x	x	x	x
2013	x	x	x	x	x
2014	x	x	x	x	x
2015	x	x	x	x	x
2016	x	x	x	x	x
2017	x	x	x	x	x
2018	x	x	x	x	x
2019	x	x	x	x	x
3Q2019	x	x	x	x	x
4Q2019	x	x	x	x	x
1Q2020	x	x	x	x	x
2Q2020	x	x	x	x	x
3Q2020	x	x	x	x	x
Electricity for industry (per megawatt hour)					Electricity for households (per megawatt hour)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	295.3	-	73.9	73.9	369.1	559.1	108.2	166.8	275.0	834.1
2010	356.5	-	89.1	89.1	445.6	740.2	110.1	212.5	322.6	1062.8
2011	318.8	-	79.7	79.7	398.4	652.5	112.1	191.1	303.2	955.7
2012	267.8	-	66.9	66.9	334.7	518.7	113.9	158.1	272.0	790.7
2013	323.0	-	80.8	80.8	403.8	582.1	116.1	174.5	290.6	872.7
2014	275.3	-	68.8	68.8	344.1	516.9	123.9	160.2	284.1	801.0
2015	228.0	-	57.0	57.0	285.0	470.8	139.0	152.4	291.4	762.2
2016	285.0	-	71.3	71.3	356.3	542.1	160.0	175.5	335.5	877.6
2017	301.3	-	75.3	75.3	376.6	583.0	163.2	186.6	349.8	932.8
2018	443.3	-	110.8	110.8	554.1	719.9	165.8	221.4	387.2	1107.2
2019	422.0	-	105.5	105.5	527.5	726.5	158.3	221.2	379.5	1106.0
3Q2019	366.0	-	91.5	91.5	457.5	666.3	158.3	206.2	364.5	1030.8
4Q2019	431.0	-	107.8	107.8	538.8	733.0	158.3	222.8	381.1	1114.1
1Q2020	228.0	-	57.0	57.0	285.0	516.4	161.3	169.4	330.7	847.1
2Q2020	104.0	-	26.0	26.0	130.0	412.4	161.3	143.4	304.7	717.1
3Q2020

NORWAY**Table 4 - Indices of energy prices**

	Oil products		Electricity		Natural gas		Coal	
	Wholesale 2015 = 100	Retail 2015 = 100	Wholesale 1995 = 100	Retail 2015 = 100	Wholesale	Retail	Wholesale 1995 = 100	Retail 2015 = 100
1999	..	60.3	..	51.4	100.8	61.0
2000	61.7	69.5	..	54.2	104.6	73.4
2001	59.8	64.6	..	69.3	109.2	76.7
2002	49.8	62.2	..	68.2	102.0	78.2
2003	55.4	63.8	..	93.2	102.0	81.2
2004	63.1	68.0	..	85.1	78.2
2005	76.1	73.9	..	83.0	75.7
2006	82.6	79.7	..	106.2	81.0
2007	84.5	81.6	..	83.4	83.7
2008	102.9	89.6	..	105.9	87.9
2009	87.5	84.1	..	102.3	95.8
2010	100.2	91.5	..	124.1	97.2
2011	123.0	100.9	..	118.6	100.5
2012	131.8	105.6	..	96.0	98.3
2013	130.1	105.2	..	111.5	95.6
2014	126.8	106.0	..	103.8	98.0
2015	100.0	100.0	..	100.0	100.0
2016	93.3	96.6	..	122.2	104.0
2017	113.8	103.5	..	133.6	99.6
2018	144.0	111.9	..	167.8	102.2
2019	135.9	112.4	..	168.9	107.7
3Q2012	131.9	106.1	..	81.7	99.5
4Q2012	131.8	103.9	..	100.7	97.5
1Q2013	129.7	104.4	..	113.7	96.1
2Q2013	125.4	103.6	..	112.5	95.4
3Q2013	132.2	107.3	..	108.3	95.9
4Q2013	133.1	105.6	..	111.4	94.9
1Q2014	132.1	106.8	..	107.5	95.5
2Q2014	130.1	106.5	..	96.9	95.3
3Q2014	129.3	108.0	..	104.2	99.4
4Q2014	115.5	102.7	..	106.6	101.9
1Q2015	99.8	99.1	..	108.1	99.4
2Q2015	107.3	102.3	..	97.8	98.6
3Q2015	98.2	101.7	..	89.8	101.1
4Q2015	94.7	96.8	..	104.2	100.9
1Q2016	80.6	94.4	..	117.6	103.4
2Q2016	95.0	96.8	..	117.4	104.0
3Q2016	96.8	97.3	..	119.3	104.4
4Q2016	100.7	97.9	..	134.6	104.1
1Q2017	114.2	104.9	..	133.9	102.2
2Q2017	108.5	101.6	..	130.5	98.7
3Q2017	105.7	104.1	..	131.0	98.2
4Q2017	126.9	103.2	..	139.1	99.4
1Q2018	132.1	108.1	..	156.2	102.0
2Q2018	141.4	111.8	..	158.3	101.4
3Q2018	150.3	113.8	..	177.6	102.6
4Q2018	152.2	113.8	..	179.3	102.9
1Q2019	137.6	110.1	..	183.0	108.4
2Q2019	140.5	113.5	..	164.6	108.0
3Q2019	125.8	113.0	..	159.5	107.0
4Q2019	139.9	112.8	..	168.5	107.4
1Q2020	142.9	111.8	..	134.0	108.7
2Q2020	93.9	102.9	..	109.9	111.6
3Q2020

NORWAY

Sources

Prices and taxes data for oil products are provided on a quarterly basis by **Statistics Norway**.

Prices and taxes data for electricity are provided on a quarterly basis by the **Ministry of Petroleum and Energy (the Ministry)**.

Energy price indices are derived from data extracted from the **Statistics Norway** website.

Data collection methodology

From 1Q1993 onwards, prices refer to the average of the weekly prices. From 1Q1986 to 4Q1992, prices refer to the second month of the quarter. From 1Q1983 to 4Q1986, prices refer to the first month of the quarter. Prior to 1Q1983, prices are quarterly averages.

Annual averages for oil and electricity are final and represent the official statistics. The most recent quarterly prices are provisional.

Oil products

For light fuel oil, automotive diesel and unleaded premium (95 RON) gasoline, end-use prices are based on electronic data received on a monthly basis from a representative population of distributors and producers. Ex-tax prices are calculated by subtracting the applicable taxes from the end-use prices, based on information from the Norwegian Petroleum Institute.

The use of light fuel oil was banned in Norway on 1st January 2020; data are consequently not applicable from 1Q2020 onwards.

Natural gas

Prices for industry and households are currently not available.

Prices for electricity generation are not available, as power generation from natural gas is negligible.

Electricity

The network components of electricity prices are collected by the Norwegian Water Resources and Energy Directorate (NVE), a government agency within the Ministry, from all distribution system operators (DSOs).

Prices for households refer to national averages computed by NVE based on characteristics of the DSOs and an estimated annual consumption of 20 000 kWh. The whole country is covered.

Prices for industry are based on annual wholesale prices collected from Nord Pool, the largest electricity exchange in Northern Europe. A mark-up on the wholesale price is computed by NVE, including a yearly increase in the cost of renewable energy certificates. The estimation is checked against the data available in a price comparison tool managed by the Norwegian Consumer Council.

The applicable tax components are then added to these price estimates, resulting in a final price.

Energy price indices

Annual indices are 12-month averages. From 1Q1993 onwards, quarterly indices refer to the 3-month average. Until 4Q1992, indices refer to the second month of the quarter.

Wholesale price indices for oil products refer to the Producer Price Index (PPI), refined petroleum products, domestic market. Retail price indices for oil products refer to the weighted average of the Consumer Price Indices (CPIs) for *fuels and lubricants for personal transport equipment and liquid fuels*.

Retail prices indices for electricity refer to the CPI for electricity.

Wholesale price indices for coal refer to the PPI for *coal, coke and briquette* in the domestic market. Retail prices indices for coal refer to the CPI for *solid fuels*.

Energy taxation

VAT

VAT (*MVA*) applies to all energy products. The VAT is refunded for purchases for commercial purposes. Therefore, it is not included in prices shown for industry, electricity generation and automotive fuels for commercial use.

From	To	%
01.01.70	31.12.92	20
01.01.93	31.12.94	22
01.01.95	31.12.00	23
01.01.01	31.12.04	24
01.01.05	now	25

Excise tax

Excise taxation on energy in Norway consists of five different tax components. The current excise taxation system is legally defined by the Act of 19 May 1933 no. 11 on Excise Duties and the Regulations on Excise Taxation of 20 December 2001, as amended, which came in force on 1 January 2002.

Tax applicability table (not exhaustive)

	HFO	LFO	Diesel	Gasoline	LPG	Natural gas	Steam coal	Coking coal	Electricity
Road use tax			x	x	x				
Basic tax	x	x							
CO ₂ tax	x	x	x	x	x	x	x	x	
Sulphur tax	x	x	x	x	x				
Electricity consumption tax									x

Road use tax (*Veibruksavgift*)

A Road use duty was introduced in 2011, replacing the duties on diesel and gasoline that had been in place in Norway since 1993 and 1933, respectively.

In its current form, the road use duty is legally defined in the Act of 19 May 1933 n°11 on Excise Duties, as amended. Gasoline, automotive diesel, liquid biofuels, automotive LPG and compressed natural gas (CNG) are subject to this tax. Hydrogen and electricity used for transportation are exempt.

Basic tax (*Grunnavgift*)

The Basic tax, applicable to oil products not used in transportation, was introduced in Norway in 2000.

Road use tax (*Veibruksavgift*)

From	To	Automotive diesel (NOK/l)	Gasoline (NOK/l)	Automotive LPG (NOK/kg)
01.01.11	31.12.11	3.62	4.62	
01.01.12	31.12.12	3.68	4.69	
01.01.13	31.12.13	3.75	4.78	
01.01.14	30.06.15	3.82	4.87	
01.07.15	31.12.15	3.36	4.87	
01.01.16	30.06.16	3.44	4.99	
01.07.16	31.12.16	3.44	4.99	0.69
01.01.17	31.12.17	3.80	5.19	1.43
01.01.18	31.12.18	3.75	5.17	2.23
01.01.19	now	3.81	5.25	2.98

This tax component was introduced simultaneously to a significant increase in the electricity consumption tax rate, as a way of discouraging the use of mineral oils for heating in favour of electricity.

Oil products used in the pulp and paper industry are taxed at a reduced rate. Jet fuel and oil products subject to the road use tax are exempt.

CO₂ tax (*CO₂-avgift*)

A CO₂ tax was introduced in 1991 through the Law of 21 December 1990 on Taxes on CO₂ Emissions. It applies to oil products, natural gas and coal.

Consumers participating in the Emissions Trading System (ETS) are subject to reduced tax rates (not shown in the tables at the end of this section).

Sulphur tax (*Svovelavgift*)

The Sulphur tax was introduced in 1970. It is levied on oil products containing more than 0.05% sulphur on a mass basis. The tax rate increases with increments of 0.25% of sulphur content.

The tax is refunded if the sulphur content is removed before the product is consumed.

Electricity consumption tax (*Forbruksavgift på elektrisk kraft*)

An Electricity consumption tax was introduced in Norway in 1951.

A reduced tax rate applies to industry, as well as to commercial customers in Finnmark and Nord-Troms. Households in Finnmark and Nord-Troms, as well as certain power-intensive industrial processes, are exempt from.

The rates shown in the table at the end of this section refer to households in regions other than Finnmark and Nord-Troms.

Basic tax (*Grunnavgift*)

From	To	Heavy fuel oil (NOK/tonne)	Light fuel oil (NOK/1000l)
01.01.00	31.12.00	190	190
01.01.01	31.12.01	382	382
01.01.02	31.12.02	389	389
01.01.03	31.12.03	398	398
01.01.04	31.12.04	405	405
01.01.05	31.12.05	414	414
01.01.06	31.12.06	421	421
01.01.07	31.12.07	429	429
01.01.08	31.12.08	845	845
01.01.09	31.12.09	870	870
01.01.10	31.12.10	886	886
01.01.11	31.12.11	983	983
01.01.12	31.12.12	999	999
01.01.13	31.12.13	1018	1018
01.01.14	31.12.14	1557	1557
01.01.15	31.12.15	1590	1590
01.01.16	31.12.16	1630	1630
01.01.17	31.12.17	1603	1603
01.01.18	31.12.18	1630	1630
01.01.19	now	1650	1650

CO₂ tax (CO₂-avgift)

From	To	Heavy fuel oil (NOK/tonne)	Light fuel oil (NOK/1000l)	Automotive diesel (NOK/l)	Gasoline (NOK/l)	Automotive LPG (NOK/kg)	Natural gas (NOK /Sm ³)	Coal (NOK/tonne)
01.01.91	31.12.91				0.600			
01.01.92	31.12.92				0.800			
01.01.93	31.12.93				0.800			400
01.01.94	31.12.94				0.820			410
01.01.95	31.12.95	415	415	0.415	0.830			415
01.01.96	31.12.96	425	425	0.425	0.850			425
01.01.97	31.12.97	435	435	0.435	0.870			435
01.01.98	31.12.98	445	445	0.445	0.890			445
01.01.99	31.12.99	460	460	0.460	0.920			460
01.01.00	31.12.00	470	470	0.470	0.940			470
01.01.01	31.12.01	480	480	0.480	0.720			480
01.01.02	31.12.02	490	490	0.490	0.730			490
01.01.03	31.12.03	500	500	0.500	0.750			500
01.01.04	31.12.04	510	510	0.510	0.760			500
01.01.05	31.12.05	520	520	0.520	0.780			500
01.01.06	31.12.06	530	530	0.530	0.790			500
01.01.07	31.12.07	540	540	0.540	0.800			500
01.01.08	31.12.08	550	550	0.550	0.820			500
01.01.09	31.12.09	570	570	0.570	0.840			500
01.01.10	31.12.10	580	580	0.580	0.860	0.650		500
01.01.11	31.12.11	590	590	0.590	0.880	0.660	0.440	500
01.01.12	31.12.12	600	600	0.600	0.890	0.670	0.450	500
01.01.13	31.12.13	610	610	0.610	0.910	0.680	0.460	500
01.01.14	31.12.14	880	880	0.620	0.930	0.990	0.660	500
01.01.15	30.06.15	900	900	1.090	0.950	1.010	0.670	500
01.07.15	31.12.15	900	900	1.090	0.950	1.230	0.820	500
01.01.16	31.12.17	920	920	1.120	0.970	1.260	0.840	500
01.01.17	31.12.17	1200	1200	1.200	1.040	1.350		
01.01.18	31.12.18	1330	1330	1.330	1.160	1.500		
01.01.19	now	1350	1350	1.350	1.180	1.520		

Electricity consumption tax (*Forbruksavgift på elektrisk kraft*)

From	To	Electricity (NOK/MWh)
01.05.74	30.06.78	10.0
01.07.78	31.12.80	20.0
01.01.81	31.12.82	22.0
01.01.83	31.12.83	25.0
01.01.84	31.12.84	27.0
01.01.85	31.12.85	29.0
01.01.86	30.06.86	31.0
01.07.86	31.12.86	32.0
01.01.87	31.12.87	34.0
01.01.88	31.12.88	36.0
01.01.89	31.12.89	37.0
01.01.90	31.12.90	38.5
01.01.91	31.12.91	40.0
01.01.92	31.12.92	41.5
01.01.93	31.12.93	46.0
01.01.94	31.12.94	51.0
01.01.95	31.12.95	52.0
01.01.96	31.12.96	53.0
01.01.97	31.12.97	56.2
01.01.98	31.12.98	57.5
01.01.99	31.12.99	59.4
01.01.00	31.12.00	85.6
01.01.01	31.12.01	113.0
01.01.02	31.12.02	93.0
01.01.03	31.12.03	95.0
01.01.04	31.12.04	96.7
01.01.05	31.12.05	98.8
01.01.06	31.12.06	100.5
01.01.07	31.12.07	102.3
01.01.08	31.12.08	105.0
01.01.09	31.12.09	108.2
01.01.10	31.12.10	110.1
01.01.11	31.12.11	112.1
01.01.12	31.12.12	113.9
01.01.13	31.12.13	116.1
01.01.14	31.12.14	123.9
01.01.15	31.06.15	136.5
01.07.15	31.12.15	141.5
01.01.16	31.12.17	160.0
01.01.18	31.12.18	165.8
01.01.19	now	158.3

Product specifications

	High sulphur fuel oil	Low sulphur fuel oil	Light fuel oil <i>industry</i>	Light fuel oil <i>households</i>
Quality	Fuel oil no. 6		Fuel oil no. 2	Fuel oil no. 1
Density (kg/l)	0.98	0.82 – 0.86	0.85	0.83
Sulphur content (%)	1	< 0.2		
NCV (kcal/kg)		9 974		
Delivery size (l)		2 400 – 3 999		

POLAND**Table 1 - Average prices and taxes in zlotys**

Low sulphur fuel oil for industry (per tonne)					High sulphur fuel oil for industry (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	1 383	60	-	60	1 443	1 051	60	-	60	1 111
2010	1 695	64	-	64	1 759	1 370	64	-	64	1 434
2011	2 148	64	-	64	2 212	1 863	64	-	64	1 927
2012	2 536	64	-	64	2 600	2 235	64	-	64	2 299
2013	2 383	64	-	64	2 447	2 054	64	-	64	2 118
2014	2 311	64	-	64	2 375	1 916	64	-	64	1 980
2015	1 647	64	-	64	1 711	1 150	64	-	64	1 214
2016	1 301	64	-	64	1 365	846	64	-	64	910
2017	1 577	64	-	64	1 641	1 202	64	-	64	1 266
2018	1 742	64	-	64	1 806	1 497	64	-	64	1 561
2019	1 720	64	-	64	1 784	1 319	64	-	64	1 383
3Q2019	1 687	64	-	64	1 751	1 350	64	-	64	1 414
4Q2019	1 681	64	-	64	1 745	950	64	-	64	1 014
1Q2020	1 685	64	-	64	1 749	1 425	64	-	64	1 489
2Q2020	982	64	-	64	1 046	1 037	64	-	64	1 101
3Q2020
Light fuel oil for industry (per 1000 litres)					Light fuel oil for households (per 1000 litres)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	1 649	233	-	233	1 882	1 816	233	451	684	2 499
2010	2 037	232	-	232	2 269	2 134	232	521	753	2 887
2011	2 691	232	-	232	2 923	2 761	232	688	920	3 682
2012	3 020	232	-	232	3 252	3 134	232	774	1 006	4 140
2013	2 850	232	-	232	3 082	2 952	232	732	964	3 916
2014	2 702	232	-	232	2 934	2 807	232	699	931	3 737
2015	2 138	232	-	232	2 370	2 236	232	568	800	3 036
2016	1 895	232	-	232	2 127	1 895	232	489	721	2 616
2017	2 123	232	-	232	2 355	2 143	232	546	778	2 921
2018	2 496	232	-	232	2 728	2 470	232	621	853	3 323
2019	2 459	232	-	232	2 691	2 507	232	630	862	3 369
3Q2019	2 409	232	-	232	2 641	2 492	232	626	858	3 350
4Q2019	2 489	232	-	232	2 721	2 538	232	637	869	3 407
1Q2020	2 301	232	-	232	2 533	2 372	232	599	831	3 203
2Q2020	1 824	232	-	232	2 056	1 885	232	487	719	2 603
3Q2020
Automotive diesel for commercial use (per litre)					Automotive diesel for non-commercial use (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	1.842	1.144	-	1.144	2.986	1.842	1.144	0.657	1.801	3.642
2010	2.207	1.282	-	1.282	3.489	2.207	1.282	0.768	2.050	4.257
2011	2.807	1.288	-	1.288	4.095	2.807	1.288	0.942	2.230	5.037
2012	3.159	1.446	-	1.446	4.605	3.159	1.446	1.059	2.505	5.664
2013	2.994	1.456	-	1.456	4.450	2.994	1.456	1.024	2.479	5.474
2014	2.774	1.459	-	1.459	4.232	2.774	1.459	0.973	2.432	5.206
2015	2.181	1.459	-	1.459	3.640	2.181	1.459	0.837	2.296	4.477
2016	1.901	1.459	-	1.459	3.360	1.901	1.459	0.773	2.232	4.133
2017	2.140	1.459	-	1.459	3.599	2.140	1.459	0.828	2.287	4.427
2018	2.534	1.464	-	1.464	3.998	2.534	1.464	0.919	2.384	4.917
2019	2.637	1.469	-	1.469	4.106	2.637	1.469	0.944	2.413	5.050
3Q2019	2.614	1.469	-	1.469	4.083	2.614	1.469	0.939	2.408	5.022
4Q2019	2.596	1.469	-	1.469	4.065	2.596	1.469	0.935	2.403	4.999
1Q2020	2.558	1.474	-	1.474	4.032	2.558	1.474	0.927	2.401	4.959
2Q2020	1.887	1.474	-	1.474	3.361	1.887	1.474	0.773	2.247	4.135
3Q2020

POLAND**Table 2 - Average prices and taxes in zlotys**

Premium unleaded (98 RON) gasoline (per litre)						Premium unleaded (95 RON) gasoline (per litre)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	1.933	1.652	0.789	2.441	4.374	1.727	1.652	0.743	2.395	4.122
2010	2.285	1.658	0.867	2.525	4.810	2.070	1.658	0.820	2.478	4.548
2011	2.698	1.660	1.002	2.662	5.360	2.504	1.660	0.957	2.617	5.122
2012	3.147	1.664	1.107	2.771	5.918	2.967	1.664	1.065	2.729	5.696
2013	2.999	1.668	1.073	2.741	5.740	2.785	1.668	1.024	2.692	5.477
2014	2.843	1.669	1.038	2.707	5.550	2.618	1.669	0.986	2.655	5.273
2015	2.344	1.669	0.923	2.592	4.936	2.094	1.669	0.866	2.535	4.629
2016	2.154	1.669	0.879	2.549	4.703	1.874	1.669	0.815	2.484	4.358
2017	2.346	1.669	0.924	2.593	4.939	2.063	1.669	0.858	2.528	4.591
2018	2.612	1.671	0.985	2.657	5.269	2.347	1.671	0.924	2.596	4.943
2019	2.677	1.673	1.000	2.674	5.351	2.394	1.673	0.935	2.608	5.002
3Q2019	2.744	1.673	1.016	2.689	5.433	2.459	1.673	0.950	2.623	5.082
4Q2019	2.614	1.673	0.986	2.659	5.273	2.337	1.673	0.922	2.595	4.932
1Q2020	2.583	1.675	0.979	2.654	5.237	2.214	1.675	0.895	2.570	4.784
2Q2020	1.924	1.675	0.828	2.503	4.427	1.622	1.675	0.758	2.433	4.055
3Q2020
Automotive LPG for non-commercial use (per litre)						Natural gas for industry (per megawatt hour GCV)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	1.051	0.455	0.331	0.786	1.838	116.0	-	-	-	116.0
2010	1.360	0.457	0.400	0.857	2.217	117.9	-	-	-	117.9
2011	1.655	0.459	0.486	0.945	2.600	125.9	-	-	-	125.9
2012	1.791	0.462	0.518	0.981	2.772	143.0	-	-	-	143.0
2013	1.560	0.465	0.466	0.931	2.491	133.6	-	-	-	133.6
2014	1.617	0.466	0.479	0.945	2.562	137.0	1.2	-	1.2	138.2
2015	1.130	0.466	0.367	0.833	1.963	119.0	1.0	-	1.0	120.0
2016	1.003	0.466	0.338	0.804	1.807	92.1	1.0	-	1.0	93.1
2017	1.221	0.466	0.388	0.854	2.075	94.6	0.8	-	0.8	95.5
2018	1.348	0.468	0.418	0.884	2.233	108.0	0.8	-	0.8	108.8
2019	1.261	0.469	0.398	0.867	2.128	97.3	0.7	-	0.7	98.0
3Q2019	1.165	0.469	0.376	0.845	2.009	87.3	0.8	-	0.8	88.1
4Q2019	1.266	0.469	0.399	0.868	2.134	92.6	0.8	-	0.8	93.4
1Q2020	1.341	0.471	0.417	0.887	2.228	85.1	0.9	-	0.9	86.1
2Q2020	0.992	0.471	0.336	0.807	1.800	68.9	0.7	-	0.7	69.6
3Q2020
Natural gas for electricity generation (per megawatt hour GCV)						Natural gas for households (per megawatt hour GCV)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	75.2	-	-	-	75.2	176.3	-	38.8	38.8	215.0
2010	75.6	-	-	-	75.6	164.2	-	36.1	36.1	200.3
2011	81.4	-	-	-	81.4	175.0	-	40.3	40.3	215.3
2012	92.2	-	-	-	92.2	186.8	-	43.0	43.0	229.7
2013	85.2	-	-	-	85.2	174.8	-	40.2	40.2	215.0
2014	82.4	-	-	-	82.4	186.2	0.0	42.8	42.8	229.1
2015	84.2	-	-	-	84.2	182.6	0.2	42.1	42.2	224.8
2016	68.7	-	-	-	68.7	161.4	-	37.1	37.1	198.6
2017	72.4	-	-	-	72.4	155.7	-	35.8	35.8	191.6
2018	81.0	-	-	-	81.0	157.0	-	36.1	36.1	193.1
2019	76.0	-	-	-	76.0	161.5	-	37.2	37.2	198.7
3Q2019	71.2	-	-	-	71.2	189.4	-	43.6	43.6	233.0
4Q2019	68.8	-	-	-	68.8	158.3	-	36.4	36.4	194.8
1Q2020	72.9	-	-	-	72.9	148.9	-	34.3	34.3	183.2
2Q2020	55.9	-	-	-	55.9	167.8	-	38.6	38.6	206.5
3Q2020

POLAND**Table 3 - Average prices and taxes in zlotys**

Steam coal for industry (per tonne)					Steam coal for electricity generation (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	294.6	-	-	-	294.6	250.9	-	-	-	250.9
2010	290.5	-	-	-	290.5	236.7	-	-	-	236.7
2011	324.3	-	-	-	324.3	251.4	-	-	-	251.4
2012	-	..	355.8	270.4	-	-	-	270.4
2013	-	..	317.3	245.5	-	-	-	245.5
2014	-	..	292.0	237.1	-	-	-	237.1
2015	-	..	264.3	223.9	-	-	-	223.9
2016	-	..	236.6	202.4	-	-	-	202.4
2017	-	..	286.5	201.9	-	-	-	201.9
2018	-	..	333.3	240.9	-	-	-	240.9
2019	-	..	320.6	265.6	-	-	-	265.6
3Q2019	-	..	316.3	265.3	-	-	-	265.3
4Q2019	-	..	307.3	262.3	-	-	-	262.3
1Q2020	-	..	337.1	267.0	-	-	-	267.0
2Q2020	-	..	325.8	253.8	-	-	-	253.8
3Q2020
Steam coal for households (per tonne)					Coking coal for industry (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	591.9	-	130.2	130.2	722.1	407.5	-	-	-	407.5
2010	611.4	-	134.5	134.5	746.0	571.2	-	-	-	571.2
2011	652.6	-	150.1	150.1	802.7	756.7	-	-	-	756.7
2012	684.9	-	157.5	157.5	842.5	-	-	604.0
2013	679.4	-	156.3	156.3	835.6	-	-	475.4
2014	672.7	-	154.7	154.7	827.4	-	-	422.9
2015	660.0	-	151.8	151.8	811.7	-	-	401.0
2016	652.8	-	150.1	150.1	803.0	-	-	407.7
2017	697.4	-	160.4	160.4	857.8	-	-	676.0
2018	740.4	-	170.3	170.3	910.7	-	-	688.8
2019	740.2	-	170.2	170.2	910.4	-	-	666.1
3Q2019	735.4	-	169.1	169.1	904.6	-	-	648.9
4Q2019	741.3	-	170.5	170.5	911.8	-	-	564.1
1Q2020	741.1	-	170.4	170.4	911.5	-	-	531.6
2Q2020	736.1	-	169.3	169.3	905.4	-	-	497.3
3Q2020
Electricity for industry (per megawatt hour)					Electricity for households (per megawatt hour)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	353.5	20.0	-	20.0	373.5	408.2	20.0	94.2	114.2	522.4
2010	342.9	20.0	-	20.0	362.9	422.6	20.0	97.4	117.4	540.0
2011	340.2	20.0	-	20.0	360.2	457.3	20.0	109.8	129.8	587.1
2012	352.6	20.0	-	20.0	372.6	484.6	20.0	116.1	136.1	620.7
2013	326.0	20.0	-	20.0	346.0	484.4	20.0	116.0	136.0	620.4
2014	295.2	20.0	-	20.0	315.2	472.8	20.0	113.3	133.3	606.1
2015	318.2	20.0	-	20.0	338.2	482.1	20.0	115.5	135.5	617.6
2016	306.5	20.0	-	20.0	326.5	477.8	20.0	114.5	134.5	612.3
2017	310.9	20.0	-	20.0	330.9	484.0	20.0	115.9	135.9	619.9
2018	325.2	20.0	-	20.0	345.2	485.4	20.0	116.2	136.2	621.6
2019	374.6	5.0	-	5.0	379.6	481.3	5.0	111.9	116.9	598.2
3Q2019	339.7	5.0	-	5.0	344.7	492.7	5.0	114.5	119.5	612.2
4Q2019	384.7	5.0	-	5.0	389.7	475.7	5.0	110.6	115.6	591.2
1Q2020	413.1	5.0	-	5.0	418.1	500.7	5.0	116.3	121.3	622.1
2Q2020	415.0	5.0	-	5.0	420.0	543.7	5.0	126.2	131.2	675.0
3Q2020

POLAND**Table 4 - Indices of energy prices**

	Oil products		Electricity		Natural gas		Coal	
	Wholesale	Retail 2000 = 100	Wholesale	Retail 2000 = 100	Wholesale	Retail 2000 = 100	Wholesale	Retail 2000 = 100
1999	..	73.5	..	91.9	..	85.4	..	91.8
2000	..	100.0	..	100.0	..	100.0	..	100.0
2001	..	92.9	..	114.1	..	111.7	..	109.6
2002	..	92.2	..	122.6	..	116.1	..	115.4
2003	..	99.4	..	128.7	..	120.0	..	115.4
2004	..	111.6	..	131.1	..	124.9	..	119.3
2005	..	123.7	..	135.6	..	134.2	..	122.3
2006	..	124.8	..	141.3	..	160.7	..	128.2
2007	..	129.8	..	143.6	..	170.9	..	135.9
2008	..	135.9	..	159.0	..	188.6	..	159.7
2009	..	126.7	..	178.0	..	199.9	..	188.6
2010	..	142.3	..	187.6	..	206.7	..	191.2
2011	..	161.6	..	200.9	..	223.9	..	205.7
2012	..	179.2	..	212.7	..	246.7	..	217.8
2013	..	172.2	..	213.2	..	231.6	..	216.3
2014	..	166.6	..	205.9	..	241.6	..	213.5
2015	..	144.4	..	209.2	..	235.4	..	209.4
2016	..	135.6	..	205.6	..	216.8	..	205.3
2017	..	145.2	..	210.8	..	213.9	..	216.5
2018	..	156.4	..	210.8	..	213.9	..	233.2
2019	..	159.1	..	198.0	..	220.2	..	233.7
3Q2012	..	178.3	..	212.9	..	247.7	..	216.9
4Q2012	..	177.0	..	212.9	..	248.2	..	218.9
1Q2013	..	173.7	..	215.5	..	230.6	..	217.3
2Q2013	..	169.7	..	215.5	..	229.4	..	213.6
3Q2013	..	173.1	..	211.0	..	228.5	..	213.8
4Q2013	..	170.5	..	211.0	..	229.4	..	216.6
1Q2014	..	168.4	..	206.1	..	239.3	..	216.0
2Q2014	..	167.4	..	206.1	..	238.6	..	211.7
3Q2014	..	168.7	..	206.1	..	239.6	..	210.4
4Q2014	..	159.6	..	206.1	..	240.1	..	212.4
1Q2015	..	141.9	..	209.4	..	237.2	..	210.9
2Q2015	..	148.2	..	209.4	..	235.3	..	208.1
3Q2015	..	147.7	..	209.4	..	231.8	..	207.3
4Q2015	..	138.4	..	209.4	..	227.2	..	207.9
1Q2016	..	125.8	..	205.4	..	220.6	..	206.6
2Q2016	..	133.0	..	205.4	..	214.4	..	202.9
3Q2016	..	135.8	..	206.5	..	212.5	..	202.5
4Q2016	..	143.5	..	206.5	..	214.9	..	206.0
1Q2017	..	148.8	..	211.0	..	214.9	..	208.4
2Q2017	..	142.4	..	211.0	..	212.9	..	209.0
3Q2017	..	138.8	..	211.0	..	211.9	..	214.7
4Q2017	..	145.9	..	211.0	..	212.9	..	231.0
1Q2018	..	145.9	..	211.0	..	211.7	..	233.1
2Q2018	..	154.4	..	211.0	..	209.6	..	231.0
3Q2018	..	159.6	..	211.0	..	213.5	..	231.7
4Q2018	..	160.9	..	211.0	..	218.7	..	234.7
1Q2019	..	154.5	..	196.0	..	220.0	..	234.7
2Q2019	..	162.4	..	198.9	..	219.5	..	231.9
3Q2019	..	158.3	..	198.9	..	219.1	..	231.6
4Q2019	..	155.4	..	198.9	..	219.3	..	233.5
1Q2020	..	155.9	..	219.4	..	217.5	..	233.0
2Q2020	..	129.2	..	222.0	..	219.3	..	231.1
3Q2020

POLAND

Sources

Data for all energy products, including energy price indices, are provided on a quarterly basis by the **Energy Market Agency (ARE)**.

Data collection methodology

Oil products

Ex-tax prices for all oil products, with the exception of light fuel oil for households, are derived from regular statistical surveys conducted by ARE covering practically 100% of consumption. The applicable tax components are then added to the ex-tax prices to calculate end-use prices.

For high and low sulphur fuel oil, quarterly and annual end-use prices are average prices per tonne paid by industry to distributors.

For heavy fuel oil for electricity generation, prices from 1Q2004 onwards are weighted averages of the prices paid by electricity generators to distributors for high and low sulphur fuel oils. Prior to 2004, prices shown for electricity generation were the equal to prices per tonne of high sulphur fuel oil paid to distributors.

For light fuel oil for industry, prices refer to the average list prices from major distributors.

For automotive diesel, gasoline and automotive LPG, prices refer to pump prices at filling stations owned by the major distributors.

For light fuel oil for households, end-use prices are derived from regular statistical survey of retailers conducted by the Central Statistical Office. Ex-tax prices are then calculated by subtracting the applicable tax components from the end-use prices.

Natural gas

For households and industry, prices refer to average expenditures per MWh of natural gas (high methane) paid to the sellers. Ex-tax prices and excise taxes for natural gas are derived from a statistical survey, which covers practically 100% of total consumption.

Prices shown for the electricity generation sector are weighted averages of high and low methane natural gas prices paid to the sellers by electricity generators.

Prices for electricity generation are derived from a statistical survey limited to five major natural gas-fired power plants, which cover around 90% of consumption for electricity generation. As described in the Energy taxation section of this document, natural gas used for electricity generation is not taxed. Therefore, end-use prices and ex-tax prices are equal.

Steam and coking coal

For steam coal for households, end-use prices are derived from a statistical survey of retailers conducted by the Central Statistical Office. Ex-tax prices are then calculated by subtracting the applicable tax components from the end-use prices.

For steam coal for industry and electricity generation, as well as coking coal for industry, end-use prices are derived from a statistical survey.

As described in the Energy taxation section of this document, coal used for electricity generation is not taxed. Therefore, end-use prices and ex-tax prices are equal.

Due to the numerous tax exemptions listed in the Energy taxation section of this document, the reporting agency is currently unable to estimate ex-tax prices or average excise taxes for steam and coking coal for industry. These are therefore shown as not available from 2012 onwards.

Electricity

For industry and households, prices refer to annual and quarterly average expenditures per MWh paid to the electricity utilities. Ex-tax prices for electricity are derived from a statistical survey covering practically 100% of total consumption. The applicable tax components are then added to the ex-tax prices to calculate end-use prices.

Energy price indices

The retail price index for oil products includes gasoline, lubricants and oils. For natural gas, the index includes both piped and bottled gas.

Energy taxation

VAT

VAT (*VAT or PTU*) is refunded for purchases for commercial purposes. Therefore, it is not included in prices shown for the industrial and electricity generation sectors, as well as for automotive fuels for commercial use.

Oil products used in transportation have been subject to the general VAT rate since its introduction in 1993.

Commercial energy products for other uses were subject to a reduced VAT rate, which was abolished on 1 January 1998.

From	To	General %	Reduced %
05.07.93	31.12.95	22	7
01.01.96	31.12.96	22	12
01.01.97	31.12.97	22	17
01.01.98	31.12.10	22	
01.01.11	now	23	

Excise tax

Energy taxes in Poland are levied in accordance with the 2003 EU Energy Taxation Directive.

The excise tax columns in Tables 1, 2 and 3 is the sum of two tax components (excise duties and fuel surcharge).

Tax applicability table (not exhaustive)

	HSFO/LSFO	LFO	Diesel	Gasoline	LPG	Natural gas	Steam coal	Coking coal	Electricity
Excise duties	x	x	x	x	x	x	x	x	x
Fuel surcharge			x	x	x				

Excise duties (*Podatek akcyzowy*)

Excise duties are levied on road fuels, oil products for heat raising, natural gas, steam and coking coal, as well as electricity.

In general, fuels used for transportation and industrial purposes are taxed at a higher rate than those used for heating.

Excise duties are set by the Ministry of Finance and are updated annually.

Excise duties (*Podatek akcyzowy*)

From	To	Heavy fuel oil (PLN/tonne)	Light fuel oil (PLN/1000l)	Automotive diesel (PLN/l)	Gasoline (PLN/l)	Automotive LPG (PLN/l)	Natural gas (PLN/MWh)	Coal (PLN/tonne)	Electricity (PLN/MWh)
01.01.00	31.12.00		110.83	0.804	1.145				
01.01.01	31.12.01		127.08	0.844	1.314				
01.01.02	31.12.02		160.00	0.891	1.385	0.1600			15
01.01.03	31.12.03		195.00	0.914	1.419	0.1940			20
01.01.04	31.12.04		197.00	1.014	1.483	0.3220			20
01.01.05	31.12.05	60	233.00	1.099	1.492	0.3900			20
01.01.06	31.12.06	60	233.00	1.097	1.315	0.3895			20
01.01.07	31.12.07	60	233.00	1.099	1.565	0.3906			20

The following uses of natural gas and coal are exempt from excise duties:

- for electricity generation;
- for producing secondary energy products;
- for passenger and freight rail transport;
- for production of power and heat in co-generation;
- in farm work;
- in horticulture;
- in forestry and fishing;
- in mineralogical processes;
- in electrolytic processes;
- in metallurgy;
- in chemical reduction.

In addition to this list, natural gas and coal used for heating by energy-intensive facilities that have introduced measures aimed at environmental protection, as well as consumption by specific types of users (households, public administration authorities, armed forces, hospitals, outpatient clinics, public benefit organizations) are exempted.

Electricity generated from renewable sources is exempt from the excise duty. There are excise duty reductions for the industrial consumers which belong to the specified list of branches and whose annual cost of electricity purchases is above 3% of the total industrial production value.

Fuel surcharge (*Oplata paliwowa*)

In addition to the excise duties described above, an additional tax is levied on road fuels, including automotive diesel, gasoline and automotive LPG.

The fuel surcharge is set by the Ministry of Infrastructure and Construction and is updated annually.

From	To	Heavy fuel oil (PLN/tonne)	Light fuel oil (PLN/1000l)	Automotive diesel (PLN/l)	Gasoline (PLN/l)	Automotive LPG (PLN/l)	Natural gas (PLN/MWh)	Coal (PLN/tonne)	Electricity (PLN/MWh)
01.01.08	31.12.08	60	233.00	1.099	1.565	0.3906			20
01.01.09	31.12.09	60	233.00	1.048	1.565	0.3906			20
01.01.10	31.12.10	64	232.00	1.048	1.565	0.3906			20
01.01.11	31.12.11	64	232.00	1.048	1.565	0.3906			20
01.01.12	31.12.12	64	232.00	1.196	1.565	0.3906			20
01.01.13	31.12.13	64	232.00	1.196	1.565	0.3906			20
01.01.14	31.12.14	64	232.00	1.196	1.565	0.3906	1.2006		20
01.01.15	31.12.15	64	232.00	1.171	1.540	0.3764	1.0261		20
01.01.16	31.12.18	64	232.00	1.171	1.540	0.3764	0.8693		20
01.01.19	31.12.19	64	232.00	1.171	1.540	0.3764	0.7466		5
01.01.20	29.02.20	64	232.00	1.168	1.537	0.3747	0.9203		5
01.03.20	31.03.20	64	232.00	1.151	1.520	0.3652	0.9203		5
01.04.20	now	64	232.00	1.151	1.520	0.3652	0.66886		5

Fuel surcharge (*Oplata paliwowa*)

From	To	Automotive diesel (PLN/l)	Gasoline (PLN/l)	Automotive LPG (PLN/l)
01.01.00	31.12.00	0.08873	0.07854	
01.01.01	31.12.01	0.08873	0.07854	
01.01.02	31.12.02	0.08873	0.07854	0.05901
01.01.03	31.12.03	0.08873	0.07854	0.05901
01.01.04	31.12.04	0.08873	0.07854	0.05901
01.01.05	31.12.05	0.08873	0.07854	0.05901
01.01.06	31.12.06	0.09095	0.08051	0.06049
01.01.07	31.12.07	0.09177	0.08123	0.06103
01.01.08	31.12.08	0.09369	0.08294	0.06231
01.01.09	31.12.09	0.09643	0.08659	0.06506
01.01.10	31.12.10	0.23399	0.09287	0.06734
01.01.11	31.12.11	0.23984	0.09519	0.06902
01.01.12	31.12.12	0.24992	0.09919	0.07192
01.01.13	31.12.13	0.25992	0.10316	0.07480
01.01.14	31.12.14	0.26252	0.10420	0.07556
01.01.15	31.12.17	0.28805	0.12941	0.08972
01.01.18	31.12.18	0.29305	0.13140	0.09116
01.01.19	31.12.19	0.29761	0.13321	0.09248
01.01.20	29.02.20	0.30634	0.13849	0.09581
01.03.20	now	0.32334	0.15549	0.10537

Product specifications

Oil products

	High sulphur fuel oil	Heavy fuel oil <i>electricity generation</i>	Low sulphur fuel oil	Light fuel oil	Automotive diesel	Premium unleaded (98 RON) gasoline	Premium unleaded (95 RON) gasoline	Automotive LPG
Quality	Cieźki olej opałowy	Cieźki olej opałowy	Cieźki olej opałowy niskosiarkowy	Ekoterm Plus, Lotos Red	Olej napędowy	Super Plus 98	Euro Super 95	Gaz ciekły
Density (kg/l)	0.94	0.94	0.925	0.837	0.832	0.748	0.748	0.562
Sulphur content (%)	1 - 3	<3	<1	<0.1	≤ 0.001			
NCV (kcal/kg)	9 772	9 875	9 906	10 270	10 270	10 698	10 698	11 297

Natural gas and coal

	Natural gas	Steam coal <i>industry</i>	Steam coal <i>electricity generation</i>	Steam coal <i>households</i>	Coking coal
Quality		Węgiel energetyczny dla przemysłu	Węgiel energetyczny dla elektrowni cieplnych zawodowych	Węgiel energetyczny dla gospodarstw domowych	Węgiel dla koksowni
NCV (kcal/kg)		5 505	5 036	6 210	6 981
GCV (kcal/m ³)	9 441				

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Table 1 - Average prices and taxes in euros

Low sulphur fuel oil for industry (per tonne)					Heavy fuel oil for electricity generation (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	387.7	15.3	-	15.3	403.0	242.1	-	-	-	242.1
2010	476.7	15.3	-	15.3	492.0	x	x	x	x	x
2011	678.1	15.3	-	15.3	693.4	x	x	x	x	x
2012	740.4	15.7	-	15.7	756.0	x	x	x	x	x
2013	696.7	15.7	-	15.7	712.3	x	x	x	x	x
2014	660.9	15.7	-	15.7	676.5	x	x	x	x	x
2015	485.2	31.4	-	31.4	516.6	x	x	x	x	x
2016	443.5	36.3	-	36.3	479.8	x	x	x	x	x
2017	561.1	36.9	-	36.9	597.9	x	x	x	x	x
2018	615.6	36.9	-	36.9	652.5	x	x	x	x	x
2019	592.0	55.1	-	55.1	647.1	x	x	x	x	x
3Q2019	589.0	55.1	-	55.1	644.1	x	x	x	x	x
4Q2019	598.9	55.1	-	55.1	654.0	x	x	x	x	x
1Q2020	597.7	73.2	-	73.2	670.9	x	x	x	x	x
2Q2020	409.7	88.8	-	88.8	498.4	x	x	x	x	x
3Q2020	x	x	x	x	x
Light fuel oil for industry (per 1000 litres)					Light fuel oil for households (per 1000 litres)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	432.4	176.2	73.0	249.2	681.6
2010	545.3	188.7	91.9	280.6	825.9
2011	689.3	245.2	121.5	366.7	1 056.0
2012	759.0	292.5	241.8	534.3	1 293.3
2013	722.8	323.7	240.7	564.4	1 287.3
2014	683.5	330.0	233.1	563.1	1 246.6
2015	521.0	342.6	198.6	541.2	1 062.3
2016	437.9	346.5	180.4	526.9	964.9
2017	509.2	347.0	196.9	543.9	1 053.1
2018	595.2	347.0	216.7	563.6	1 158.8
2019	605.5	361.5	222.4	584.0	1 189.5
3Q2019	605.6	361.5	222.4	584.0	1 189.6
4Q2019	611.9	361.5	223.9	585.4	1 197.4
1Q2020	571.7	376.0	218.0	594.0	1 165.7
2Q2020	401.6	388.5	181.7	570.2	971.8
3Q2020
Automotive diesel for commercial use (per litre)					Automotive diesel for non-commercial use (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.471	0.364	0.084	0.448	0.919	0.472	0.364	0.167	0.531	1.003
2010	0.592	0.364	0.098	0.462	1.054	0.592	0.364	0.196	0.560	1.152
2011	0.751	0.364	0.128	0.493	1.244	0.752	0.364	0.257	0.621	1.372
2012	0.813	0.366	0.136	0.502	1.315	0.813	0.366	0.271	0.638	1.451
2013	0.761	0.368	0.130	0.497	1.259	0.761	0.368	0.260	0.627	1.389
2014	0.690	0.369	0.122	0.491	1.181	0.690	0.369	0.244	0.613	1.303
2015	0.563	0.402	0.111	0.513	1.076	0.563	0.402	0.222	0.624	1.187
2016	0.470	0.452	0.106	0.557	1.028	0.470	0.452	0.212	0.663	1.134
2017	0.543	0.466	0.116	0.582	1.126	0.543	0.466	0.232	0.699	1.242
2018	0.621	0.471	0.126	0.597	1.217	0.621	0.471	0.251	0.722	1.343
2019	0.622	0.486	0.127	0.613	1.236	0.622	0.486	0.255	0.741	1.363
3Q2019	0.611	0.486	0.126	0.612	1.223	0.611	0.486	0.252	0.738	1.349
4Q2019	0.627	0.486	0.128	0.614	1.241	0.627	0.486	0.256	0.742	1.369
1Q2020	0.597	0.500	0.126	0.626	1.224	0.597	0.500	0.252	0.753	1.350
2Q2020	0.444	0.513	0.110	0.623	1.067	0.444	0.513	0.220	0.733	1.177
3Q2020

PORTUGAL**Table 2 - Average prices and taxes in euros**

Premium unleaded (98 RON) gasoline (per litre)						Premium unleaded (95 RON) gasoline (per litre)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.514	0.583	0.219	0.802	1.317	0.447	0.583	0.206	0.789	1.235
2010	0.609	0.583	0.244	0.827	1.436	0.556	0.583	0.233	0.816	1.372
2011	0.729	0.583	0.302	0.885	1.614	0.674	0.583	0.289	0.872	1.546
2012	0.815	0.584	0.322	0.906	1.721	0.750	0.584	0.307	0.891	1.641
2013	0.765	0.585	0.311	0.896	1.661	0.699	0.585	0.295	0.881	1.579
2014	0.722	0.586	0.301	0.887	1.609	0.653	0.586	0.285	0.871	1.524
2015	0.593	0.618	0.279	0.896	1.490	0.546	0.618	0.268	0.885	1.431
2016	0.520	0.668	0.273	0.941	1.461	0.455	0.668	0.258	0.926	1.382
2017	0.597	0.652	0.287	0.939	1.535	0.538	0.652	0.273	0.925	1.463
2018	0.660	0.659	0.303	0.962	1.623	0.591	0.659	0.288	0.947	1.538
2019	0.640	0.643	0.295	0.937	1.577	0.570	0.643	0.279	0.921	1.491
3Q2019	0.650	0.643	0.297	0.940	1.590	0.577	0.643	0.281	0.923	1.500
4Q2019	0.640	0.643	0.295	0.938	1.578	0.566	0.643	0.278	0.921	1.486
1Q2020	0.659	0.656	0.302	0.958	1.617	0.537	0.656	0.274	0.930	1.467
2Q2020	0.478	0.667	0.263	0.931	1.408	0.389	0.667	0.243	0.910	1.299
3Q2020
Automotive LPG for non-commercial use (per litre)						Natural gas for industry (per megawatt hour GCV)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.422	0.055	0.095	0.150	0.572	30.66	-	-	-	30.66
2010	0.506	0.056	0.115	0.171	0.677	30.42	-	-	-	30.42
2011	0.562	0.064	0.144	0.208	0.770	35.89	0.09	-	0.09	35.98
2012	0.577	0.065	0.148	0.213	0.790	40.91	0.09	-	0.09	41.00
2013	0.544	0.065	0.140	0.205	0.750	41.22	0.76	-	0.76	41.97
2014	0.473	0.118	0.136	0.254	0.727	42.78	0.76	-	0.76	43.54
2015	0.356	0.135	0.113	0.249	0.605	39.25	0.50	-	0.50	39.76
2016	0.305	0.138	0.102	0.240	0.545	30.16	0.66	-	0.66	30.81
2017	0.349	0.140	0.113	0.253	0.602	26.70	0.77	-	0.77	27.47
2018	0.390	0.141	0.122	0.263	0.653	27.73	0.69	-	0.69	28.42
2019	0.355	0.150	0.116	0.266	0.621	31.16	0.73	-	0.73	31.89
3Q2019	0.336	0.150	0.112	0.261	0.597	30.49	0.70	-	0.71	31.20
4Q2019	0.352	0.150	0.115	0.265	0.618	30.49	0.71	-	0.71	31.20
1Q2020	0.396	0.158	0.127	0.285	0.681
2Q2020	0.352	0.166	0.119	0.285	0.637
3Q2020
Natural gas for electricity generation (per megawatt hour GCV)						Natural gas for households (per megawatt hour GCV)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	22.37	-	-	-	22.37	56.54	-	2.85	2.85	59.93
2010	25.29	-	-	-	25.29	57.73	0.25	3.20	3.44	61.17
2011	29.73	-	-	-	29.73	60.49	1.12	6.22	7.34	67.42
2012	35.85	-	-	-	35.85	63.77	0.92	14.88	15.80	79.57
2013	35.82	-	-	-	35.82	69.01	2.93	16.55	19.48	88.48
2014	35.03	-	-	-	35.03	80.17	4.32	19.43	23.75	103.92
2015	27.79	-	-	-	27.79	75.58	4.01	18.31	22.32	97.89
2016	20.35	-	-	-	20.35	66.02	4.19	16.15	20.34	86.36
2017	23.05	-	-	-	23.05	57.55	6.34	14.69	21.03	78.58
2018	26.01	-	-	-	26.01	57.64	5.05	14.42	19.47	77.11
2019	23.46	-	-	-	23.46	58.51	3.95	14.37	18.35	76.82
3Q2019	20.48	-	-	-	20.48	59.09	4.02	14.52	18.54	77.63
4Q2019	22.41	-	-	-	22.41	59.09	4.02	14.52	18.54	77.63
1Q2020	21.54	-	-	-	21.54
2Q2020	16.19	-	-	-	16.19
3Q2020

PORTUGAL**Table 3 - Average prices and taxes in euros**

Steam coal for industry (per tonne)						Steam coal for electricity generation (per tonne)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	58.58	-	-	-	58.58
2010	104.05	4.16	-	4.16	108.21	66.63	-	-	-	66.63
2011	150.88	4.16	-	4.16	155.04	81.45	-	-	-	81.45
2012	188.86	4.26	-	4.26	193.12	70.15	-	-	-	70.15
2013	148.09	4.26	-	4.26	152.35	58.87	-	-	-	58.87
2014	132.00	4.26	-	4.26	136.26	54.36	-	-	-	54.36
2015	94.18	4.26	-	4.26	98.44	50.54	-	-	-	50.54
2016	178.74	19.37	-	19.37	198.11	49.66	-	-	-	49.66
2017	c	c	c	c	c	75.59	-	-	-	75.59
2018	c	c	c	c	c	77.31	1.98	-	1.98	79.29
2019	c	c	c	c	c	51.33	3.90	-	3.90	55.23
3Q2019	c	c	c	c	c	46.72	3.90	-	3.90	50.62
4Q2019	c	c	c	c	c	48.15	3.90	-	3.90	52.05
1Q2020	c	c	c	c	c	c	c	c	c	c
2Q2020	c	c	c	c	c	c	c	c	c	c
3Q2020	c	c	c	c	c	c	c	c	c	c
Steam coal for households (per tonne)						Coking coal for industry (per tonne)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009
2010	299.66	4.16	-	4.16	303.82
2011	360.49	4.16	-	4.16	364.65
2012	299.08	4.26	-	4.26	303.34
2013	367.59	4.26	-	4.26	371.85
2014	377.20	4.26	-	4.26	381.46
2015	354.82	15.79	-	15.79	370.61
2016	311.67	19.37	-	19.37	331.04
2017	c	c	c	c	c
2018	c	c	c	c	c
2019	c	c	c	c	c
3Q2019	c	c	c	c	c
4Q2019	c	c	c	c	c
1Q2020	c	c	c	c	c
2Q2020	c	c	c	c	c
3Q2020	c	c	c	c	c
Electricity for industry (per megawatt hour)						Electricity for households (per megawatt hour)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	92.6	1.8	-	1.8	94.4	132.4	15.5	7.3	22.8	155.1
2010	88.2	4.6	-	4.6	92.8	107.7	45.9	8.9	54.8	162.5
2011	89.9	10.2	-	10.2	100.1	104.2	55.4	17.2	72.6	176.8
2012	102.1	12.5	-	12.5	114.6	114.0	51.5	37.4	88.9	202.8
2013	101.3	13.3	-	13.3	114.6	122.7	48.9	39.1	88.0	210.6
2014	104.1	13.4	-	13.4	117.5	128.5	51.0	40.9	91.9	220.3
2015	99.5	15.2	-	15.2	114.7	115.2	70.7	42.4	113.1	228.2
2016	94.7	18.2	-	18.2	112.9	122.5	66.5	43.4	109.9	232.4
2017	89.4	25.2	-	25.2	114.6	109.3	74.3	42.2	116.5	225.7
2018	79.8	34.9	-	34.9	114.7	101.8	82.8	42.4	125.2	226.9
2019	83.6	30.9	-	30.9	114.5	110.9	65.2	40.5	105.7	216.6
3Q2019	83.6	30.9	-	30.9	114.5	111.7	65.6	40.8	106.4	218.1
4Q2019	83.6	30.9	-	30.9	114.5	111.7	65.6	40.8	106.4	218.1
1Q2020
2Q2020
3Q2020

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Table 4 - Indices of energy prices

	Oil products		Electricity		Natural gas		Coal	
	Wholesale	Retail 2015 = 100	Wholesale	Retail 2015 = 100	Wholesale	Retail 2015 = 100	Wholesale	Retail 2015 = 100
1999	..	42.4	..	55.3	..	41.5	..	80.6
2000	..	44.8	..	55.0	..	48.1	..	87.4
2001	..	45.8	..	55.6	..	55.2	..	91.6
2002	..	47.9	..	56.9	..	53.3	..	91.5
2003	..	49.6	..	58.4	..	57.8	..	93.5
2004	..	54.8	..	59.7	..	60.1	..	91.4
2005	..	60.8	..	61.1	..	68.1	..	95.8
2006	..	66.9	..	61.9	..	74.6	..	98.0
2007	..	76.8	..	65.3	..	75.4	..	98.2
2008	..	84.3	..	67.8	..	79.8	..	100.5
2009	..	84.6	..	70.6	..	74.0	..	100.5
2010	..	95.6	..	72.8	..	81.6	..	104.2
2011	..	110.2	..	78.9	..	91.5	..	103.8
2012	..	117.7	..	91.3	..	99.5	..	105.1
2013	..	113.3	..	93.9	..	104.6	..	105.2
2014	..	108.3	..	96.6	..	105.9	..	103.0
2015	..	100.0	..	100.0	..	100.0	..	100.0
2016	..	97.8	..	101.9	..	93.7	..	103.6
2017	..	105.8	..	101.1	..	92.8	..	101.1
2018	..	113.4	..	103.4	..	94.5	..	100.6
2019	..	112.9	..	99.0	..	94.4	..	100.1
3Q2012	..	118.8	..	91.7	..	100.2	..	105.0
4Q2012	..	116.5	..	91.7	..	103.3	..	107.0
1Q2013	..	116.0	..	93.8	..	105.6	..	106.0
2Q2013	..	112.5	..	94.1	..	104.4	..	106.0
3Q2013	..	113.7	..	94.1	..	104.3	..	104.5
4Q2013	..	111.2	..	93.8	..	104.3	..	104.2
1Q2014	..	110.7	..	96.5	..	106.7	..	103.6
2Q2014	..	110.8	..	96.5	..	105.9	..	103.4
3Q2014	..	109.8	..	96.6	..	105.9	..	102.5
4Q2014	..	101.8	..	96.6	..	105.2	..	102.7
1Q2015	..	97.5	..	100.0	..	102.9	..	99.7
2Q2015	..	105.2	..	100.0	..	101.3	..	99.6
3Q2015	..	101.7	..	100.0	..	98.2	..	100.3
4Q2015	..	95.7	..	100.0	..	97.7	..	100.5
1Q2016	..	91.9	..	103.1	..	97.3	..	102.7
2Q2016	..	98.9	..	102.9	..	96.1	..	104.4
3Q2016	..	98.8	..	101.8	..	90.2	..	103.5
4Q2016	..	101.7	..	100.0	..	91.0	..	103.9
1Q2017	..	107.6	..	101.2	..	92.7	..	101.8
2Q2017	..	104.6	..	101.1	..	93.3	..	100.6
3Q2017	..	103.6	..	101.0	..	91.8	..	101.0
4Q2017	..	107.4	..	101.0	..	93.3	..	100.9
1Q2018	..	109.2	..	103.4	..	94.3	..	102.0
2Q2018	..	113.7	..	103.3	..	93.8	..	100.6
3Q2018	..	116.1	..	103.4	..	94.3	..	99.7
4Q2018	..	114.4	..	103.5	..	95.6	..	100.0
1Q2019	..	110.5	..	99.7	..	95.5	..	100.8
2Q2019	..	115.1	..	99.6	..	95.6	..	98.5
3Q2019	..	112.8	..	98.4	..	93.3	..	99.8
4Q2019	..	113.3	..	98.5	..	93.0	..	101.3
1Q2020	..	112.4	..	97.9	..	94.6	..	100.9
2Q2020	..	98.3	..	97.3	..	89.9	..	100.3
3Q2020

PORTUGAL

Sources

Prices and taxes data for all products are provided on a quarterly basis by the **Directorate General for Energy and Geology (DGEG)**.

Prices and taxes data for natural gas and electricity and retail energy price indices are based on data published by **Eurostat**.

Data collection methodology

From 1Q1993 onwards, prices refer to the monthly average of the quarter. From 1Q1986 to 4Q1992, prices refer to the second month of each quarter. Prior to 1Q1986, prices refer to the first month of each quarter.

Oil products

On 1 January 2004, all oil product prices were liberalised. Until 31 December 2003, unleaded premium (95 RON) gasoline and automotive diesel and diesel for off-road use had maximum prices set by the government. Prior to 1 January 1991, all energy prices, except coal, were determined by the government.

Heavy fuel oil sales in Portugal were discontinued in January 2003 and replaced by low sulphur fuel oil.

For low sulphur fuel oil for industry, end-used prices are based on a weekly survey covering three out of four companies selling this product in the country. Quarterly and annual end-use prices are calculated as consumption-weighted averages of the weekly prices, using sales data for the previous year. Ex-tax prices are calculated by the reporting agency by subtracting the applicable taxes from the end-use prices.

For light fuel oil for households, automotive diesel, unleaded premium (95 RON) gasoline and automotive LPG, end-use prices are, from 1Q2009 onwards, based on retail prices reported by about 3 000 filling stations throughout continental Portugal, available at www.precoscombustiveis.dgeg.pt. Filling stations are required to report changes in prices to DGEG before their implementation. Prices are automatically calculated on a daily basis by DGEG using sales data for the previous year, as well as information on discounts applied to fuel sales, to produce a national average price. Ex-tax prices are calculated by the reporting agency by subtracting the applicable taxes from the end-use prices.

Natural gas

Prior to 4Q2007, prices refer the unweighted average, but according to the categories of consumers duly typified (Council Directive 90/377/CEE of 29 June 1990), referring to the situations at the beginning of each semester (1 January and 1 July).

From 1Q2008 to 4Q2016, data are calculated according to the methodology under the application of Community Directive 2008/92/EC of 28 October.

From 1Q2017 onwards, data are calculated according to Regulation (EU) 2016/1952 of 26 October. According to the Regulation, prices refer to the price paid by industrial and households consumers for natural gas by consumption band. Prices are weighted by the market share of each consumption band.

Prices from July 2007 onwards refer to the Eurostat consumption band I3 (annual consumption 10 000 – 100 000 GJ) for industry; and band D2 for households (annual consumption 20 – 200 GJ), which are considered to be the most representative consumption bands for each sector by Eurostat.

Eurostat data are bi-annual, therefore, prices for 1Q and 2Q are the same, as are those for 3Q and 4Q.

Steam and coking coal

For steam coal, prices for industry from 2010 onwards refer to anthracite consumed mainly in the chemical industry. Prices between 2004 and 2009 are unavailable. Prior to 2004, prices refer to coal consumed in the cement industry.

For steam coal, prices for electricity generation from 1996 onwards refer to the average price of imported coal, as there is no domestic production during this period. Prices between 1984 and 1995 refer to the weighted average of imported and domestically produced coal delivered to power stations. Prior to 1984, prices refer to coal delivered to power stations.

Steam coal prices for households are currently not available.

For coking coal, prices from 2004 onwards refer mainly to consumption in the cement industry. Prior to 2004, prices refer to average quarterly import prices (CIF) for coking coal bought by large industrial consumers.

Prices for coking coal and anthracite for industry are confidential due to low consumption.

Electricity

Prior to 4Q2007, prices refer the unweighted average, but according to the categories of consumers duly typified (Council Directive 90/377/CEE of 29 June 1990),

referring to the situations at the beginning of each semester (1 January and 1 July).

From 1Q2008 to 4Q2016, data are calculated according to the methodology under the application of Community Directive 2008/92/EC of 28 October.

From 1Q2017 onwards, data are calculated according to Regulation (EU) 2016/1952 of 26 October. According to the regulation, prices refer to the price paid by industrial and households consumers for electricity by consumption band.

Prices refer to the Eurostat consumption band IC (annual consumption 500 - 2 000 MWh) for industry; and band DC for households (annual consumption 2 500 – 5 000 kWh), which are considered to be the most representative consumption bands for each sector by Eurostat.

Prices are weighted according to the consumption of each consumption band.

Eurostat data are bi-annual, therefore, prices for 1Q and 2Q are the same, as are those for 3Q and 4Q.

Energy price indices

Annual and quarterly indices are 12-month and 3-month averages, respectively, of the Harmonised Indices of Consumer Prices (HICP) published by Eurostat.

Retail indices for oil products refer to a consumption-weighted average of the *liquid fuels* (cp0453) and *fuels and lubricants for personal transport equipment* (cp0722) series. Weights used for the calculations are taken from the associated item weights series (prc_hicp_inw), published by Eurostat.

Retail indices for electricity refer to the *electricity* (cp0451) series.

Retail indices for natural gas refer to the *gas* (cp0452) series.

Retail indices for coal refer to the *solid fuel* (cp0454) series.

Energy taxation

VAT

VAT (*IVA*) applies to all energy products. VAT is refunded for purchases for industry. Therefore, it is not included in prices shown for industry and electricity generation. For transport fuels for commercial use, only 50% of the VAT expenditure is refunded.

Until 1 January 2011, natural gas and electricity sales were taxed at a reduced VAT rate. Light fuel oil was taxed at a reduced rate until 1 January 2012.

Until 1991, only 50% of VAT was *reimbursed* to industry and to commercial users of transport fuels.

The table below shows the applicable VAT rates in continental Portugal. The *autonomous* regions of Azores and Madeira benefit from reduced VAT rates.

From	To	General %	Natural gas Electricity %	Light fuel oil %
05.06.02	30.06.05	19	5	12
01.07.05	30.06.08	21	5	12
01.07.08	30.06.10	20	5	12
01.07.10	31.12.10	21	6	13
01.01.11	30.09.11	23	6	13
01.10.11	31.12.11	23	23	13
01.01.12	now	23	23	23

Excise tax

The legal framework for excise taxation on energy is consistent with the 2003 EU Energy Taxation Directive.

The total excise tax is the sum of different applicable excise taxation as showed into the table below.

Tax applicability table (not exhaustive)

	HSFO	LFO	Diesel	Gasoline	LPG	Natural gas	Steam coal	Coking coal	Electricity
ISP	x	x	x	x	x	x	x	x	x
Road Service Contribution			x	x	x				
CO ₂ tax	x	x	x	x	x	x	x	x	
Renewable taxes*						x			x
Capacity taxes*						x			x
All other taxes, fees, levies and charges*						x			x

*Annual basis

Tax on energy and petroleum products (ISP)

The Tax on energy and petroleum products (ISP) was introduced on 1 June 1994. Its applicable rates, exemptions and rebates are listed in the Special Consumption Tax Code (*Código dos Impostos Especiais de Consumo – CIEC* and *Portaria nº 117-A/2008* of 8 February 2008).

Originally, the ISP applied to oil products only. It was then expanded to cover electricity and coal (on 1 January 2012) and natural gas (on 1 January 2013).

Road Service Contribution (contribuição de serviço rodoviário)

The Road Service Contribution was created by the Law nr.º 55/2007, of 31 August, with the purpose of financing the national road network. This tax is applicable for transport fuels only.

Carbon tax (CO₂ tax)

The Carbon tax was introduced by the Law n.º 82-D/2014 of 31 December. The Carbon tax is applicable to all the energy products.

Other taxes fees, levies and charges

For electricity and Natural Gas with new Regulation was created a new component comprising taxes, fees, levies and charges beyond ISP and Carbon tax.

These taxes, fees, levies or charges were introduced to support the following actions:

- promotion of renewable energy sources, energy efficiency and CHP generation;
- capacity payments, energy security and generation adequacy
- coal industry restructuring
- taxes on electricity distribution
- stranded costs and levies on financing energy regulatory authorities or market and system operators;
- All other taxes, fees, levies or charges not covered by any of the previous five categories: support for district heating; local or regional fiscal charges; island compensation; concession fees relating to licenses and fees for the occupation of land and public or private property by networks or other devices.

The tax rates shown in the tables at the end of this section are the sum of the ISP, Road Service Levy and Carbon tax and do not apply to the islands of Azores and Madeira.

Tax on petroleum and energy products

From	To	Low sulphur fuel oil (EUR/tonne)	Light fuel oil (EUR/1000l)	Automotive diesel (EUR/l)	Gasoline 95 RON (EUR/l)	Automotive LPG (EUR/l)	Natural gas (EUR/MWh)	Coal (EUR/tonne)	Coal el. gen. (EUR/tonne)	Electricity (EUR/MWh)
01.01.04	12.02.04	13.26	89.65	0.2998	0.5176	0.0510				
13.02.04	31.12.04	15.00	89.65	0.3083	0.5226	0.0510				
01.01.05	09.06.05	15.00	89.65	0.3083	0.5226	0.0520				
10.06.05	31.12.05	15.30	91.44	0.3144	0.5330	0.0520				
01.01.06	18.01.06	15.30	91.44	0.3144	0.5330	0.0532				
19.01.06	31.12.06	15.30	91.44	0.3394	0.5580	0.0532				
01.01.07	07.01.07	15.30	91.44	0.3394	0.5580	0.0543				
08.01.07	22.02.07	15.30	91.44	0.3644	0.5830	0.0543				
23.02.07	31.12.07	15.30	137.20	0.3644	0.5830	0.0543				
01.01.08	09.01.08	15.30	137.20	0.2784	0.5190	0.0555		4.16		
10.01.08	31.12.08	15.30	176.18	0.2784	0.5190	0.0555		4.16		
01.01.10	28.04.10	15.30	176.18	0.2784	0.5190	0.0555		4.16		
29.04.10	11.08.10	15.30	176.18	0.2784	0.5190	0.0559		4.16		
12.08.10	31.08.10	15.30	176.18	0.2784	0.5190	0.0559		4.16		
01.09.10	31.12.10	15.30	213.83	0.2784	0.5190	0.0559		4.16		
01.01.11	11.03.11	15.30	213.83	0.2784	0.5190	0.0638		4.16		
12.03.11	31.12.11	15.30	251.48	0.2784	0.5190	0.0638		4.16		
01.01.12	31.12.12	15.65	292.46	0.2784	0.5190	0.0652		4.26	1.00	
01.01.13	27.02.13	15.65	292.46	0.2784	0.5190	0.0652	1.080	4.26	1.00	
28.02.13	31.12.13	15.65	330.00	0.2784	0.5190	0.0652	1.080	4.26	1.00	
01.01.14	31.12.14	15.65	330.00	0.2784	0.5190	0.0652	1.080	4.26	1.00	
01.01.15	31.12.15	15.65	330.00	0.2784	0.5190	0.0652	1.080	4.26	1.00	
01.01.16	11.02.16	15.65	330.00	0.2784	0.5190	0.0652	1.080	4.26	1.00	
12.02.16	12.05.16	15.65	330.00	0.3384	0.5790	0.0652	1.080	4.26	1.00	
13.05.16	16.11.16	15.65	330.00	0.3284	0.5690	0.0652	1.080	4.26	1.00	
17.11.16	31.12.16	15.65	330.00	0.3184	0.5690	0.0652	1.080	4.26	1.00	
01.01.17	31.12.17	15.65	330.00	0.3384	0.5490	0.0672	1.091	4.26	1.00	
01.01.18	31.12.18	15.65	330.00	0.3432	0.5566	0.0681	1.105	4.26	0.426	1.00
01.01.19	31.12.19	15.65	330.00	0.3432	0.5266	0.0681	1.105	4.26	1.065	1.00

From	To	Low sulphur fuel oil (EUR/tonne)	Light fuel oil (EUR/1000l)	Automotive diesel (EUR/l)	Gasoline 95 RON (EUR/l)	Automotive LPG (EUR/l)	Natural gas (EUR/MWh)	Coal (EUR/tonne)	Coal el. gen. (EUR/tonne)	Electricity (EUR/MWh)
01.01.20	now	15.65	330.00	0.3432	0.5266	0.0681	1.105	4.26	2.130	1.00

Coal used for power generation:*For 2018: 10% of the normal ISP tax applied to coal;**For 2019: 25% of the normal ISP tax applied to coal;**For 2020: 50% of normal ISP tax applied to coal.***Road Service Contribution**

From	To	Automotive diesel (EUR/l)	Gasoline 95 RON (EUR/l)	Automotive LPG (EUR/l)
01.01.08	31.12.11	0.086	0.064	-
01.01.12	31.12.12	0.088	0.065	-
01.01.13	31.12.13	0.089	0.066	-
01.01.14	31.12.14	0.091	0.067	0.053
01.01.15	now	0.111	0.087	0.063

Carbon Tax

From	To	Low sulphur fuel oil (EUR/tonne)	Light fuel oil (EUR/1000l)	Automotive diesel (EUR/l)	Gasoline 95 RON (EUR/l)	Automotive LPG (EUR/l)	Natural gas (EUR/MWh)	Coal (EUR/tonne)	Coal* power gen. (EUR/tonne)
01.01.15	31.12.15	15.7586	12.5970	0.0126	0.0116	0.0075	1.0279	11.5323	-
01.01.16	31.12.16	20.6503	16.5073	0.0165	0.0152	0.0099	1.3470	15.1120	-
01.01.17	31.12.17	21.2076	16.9528	0.0170	0.0156	0.0101	1.3833	15.5198	-
01.01.18	31.12.18	21.2076	16.9528	0.0170	0.0156	0.0101	1.3833	15.5198	1.5520
01.01.19	14.02.20	39.4430	31.5297	0.0315	0.0289	0.0189	2.5728	28.8646	2.8321
15.02.20	now	73.1244	58.4538	0.0585	0.0537	0.0350	4.7697	53.5129	5.6642

*Coal used for power generation: In 2018 it was applied 10%, 2019 25%, and in 2020 50% of the normal carbon tax applied to coal, calculated using a tax rate of 6.85 EUR/tonneCO₂ in 2018 and 5 EUR/tonneCO₂ in 2019 and 2020.

Product specifications**Oil products**

	High sulphur fuel oil	Low sulphur fuel oil	Light fuel oil	Automotive diesel	Premium unleaded (98 RON) gasoline	Premium unleaded (95 RON) gasoline	Automotive LPG
Quality	Fuelóleo	Fuelóleo	Gasóleo de aquecimento	Gasóleo			GPL Auto
Cetane number					<51		
Density (kg/l)	1.00	1.00	0.845	0.84	0.754	0.746	
Sulphur content (%)	1 – 3.5	< 1	< 0.1	< 0.005			< 0.005
NCV (kcal/kg)	9 600	9 554					10 987

Natural gas and coal

	Natural gas <i>industry</i> <i>households</i>	Natural gas <i>electricity</i> <i>generation</i>	Steam coal <i>electricity</i> <i>generation</i>
Ash content (%)			38
Moisture content (%)			10
GCV	10 194 kcal/std m ³	10 272 kcal/std m ³	6 189 kcal/kg

SLOVAK REPUBLIC**Table 1 - Average prices and taxes in euros**

Low sulphur fuel oil for industry (per tonne)					High sulphur fuel oil for industry (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	234.7	-	-	-	234.7	x	x	x	x	x
2010	335.9	-	-	-	335.9	x	x	x	x	x
2011	443.0	-	-	-	443.0	x	x	x	x	x
2012	554.5	-	-	-	554.5	x	x	x	x	x
2013	507.0	-	-	-	507.0	x	x	x	x	x
2014	471.7	-	-	-	471.7	x	x	x	x	x
2015	347.6	-	-	-	347.6	x	x	x	x	x
2016	241.9	-	-	-	241.9	x	x	x	x	x
2017	334.2	-	-	-	334.2	x	x	x	x	x
2018	396.0	-	-	-	396.0	x	x	x	x	x
2019	397.2	-	-	-	397.2	x	x	x	x	x
3Q2019	385.1	-	-	-	385.1	x	x	x	x	x
4Q2019	405.7	-	-	-	405.7	x	x	x	x	x
1Q2020	383.2	-	-	-	383.2	x	x	x	x	x
2Q2020	221.3	-	-	-	221.3	x	x	x	x	x
3Q2020	x	x	x	x	x
Light fuel oil for industry (per 1000 litres)					Light fuel oil for households (per 1000 litres)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	385.3	-	-	-	385.3
2010	546.1	-	-	-	546.1
2011	761.3	-	-	-	761.3
2012	834.2	-	-	-	834.2
2013	827.4	-	-	-	827.4
2014	790.5	-	-	-	790.5
2015	601.6	-	-	-	601.6
2016	452.9	-	-	-	452.9
2017	x	x	x	x	x
2018	x	x	x	x	x
2019	x	x	x	x	x
3Q2019	x	x	x	x	x
4Q2019	x	x	x	x	x
1Q2020	x	x	x	x	x
2Q2020	x	x	x	x	x
3Q2020	x	x	x	x	x
Automotive diesel for commercial use (per litre)					Automotive diesel for non-commercial use (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.448	0.481	-	0.481	0.929	0.449	0.481	0.177	0.658	1.107
2010	0.572	0.377	-	0.377	0.949	0.572	0.377	0.180	0.557	1.129
2011	0.753	0.368	-	0.368	1.121	0.753	0.368	0.224	0.592	1.346
2012	0.836	0.368	-	0.368	1.204	0.836	0.368	0.241	0.609	1.445
2013	0.803	0.368	-	0.368	1.171	0.803	0.368	0.234	0.602	1.405
2014	0.763	0.368	-	0.368	1.131	0.763	0.368	0.226	0.594	1.357
2015	0.589	0.368	-	0.368	0.957	0.589	0.368	0.191	0.559	1.148
2016	0.511	0.368	-	0.368	0.879	0.511	0.368	0.176	0.544	1.055
2017	0.587	0.368	-	0.368	0.955	0.587	0.368	0.191	0.559	1.146
2018	0.680	0.368	-	0.368	1.048	0.680	0.368	0.210	0.578	1.258
2019	0.669	0.368	-	0.368	1.037	0.669	0.368	0.207	0.575	1.244
3Q2019	0.659	0.368	-	0.368	1.027	0.659	0.368	0.205	0.573	1.232
4Q2019	0.676	0.368	-	0.368	1.044	0.676	0.368	0.209	0.577	1.253
1Q2020	0.630	0.368	-	0.368	0.998	0.630	0.368	0.200	0.568	1.197
2Q2020	0.502	0.368	-	0.368	0.870	0.502	0.368	0.174	0.542	1.043
3Q2020

SLOVAK REPUBLIC**Table 2 - Average prices and taxes in euros**

Premium unleaded (98 RON) gasoline (per litre)						Premium unleaded (95 RON) gasoline (per litre)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	x	x	x	x	x	0.425	0.515	0.179	0.693	1.118
2010	x	x	x	x	x	0.537	0.515	0.200	0.714	1.251
2011	x	x	x	x	x	0.695	0.515	0.242	0.757	1.452
2012	x	x	x	x	x	0.780	0.515	0.259	0.773	1.554
2013	x	x	x	x	x	0.740	0.515	0.251	0.765	1.505
2014	x	x	x	x	x	0.722	0.515	0.247	0.762	1.484
2015	x	x	x	x	x	0.575	0.515	0.218	0.732	1.307
2016	x	x	x	x	x	0.509	0.515	0.205	0.719	1.228
2017	x	x	x	x	x	0.572	0.515	0.217	0.732	1.304
2018	x	x	x	x	x	0.633	0.514	0.229	0.743	1.376
2019	x	x	x	x	x	0.605	0.514	0.224	0.738	1.342
3Q2019	x	x	x	x	x	0.615	0.514	0.226	0.740	1.355
4Q2019	x	x	x	x	x	0.599	0.514	0.223	0.737	1.336
1Q2020	x	x	x	x	x	0.565	0.514	0.216	0.730	1.295
2Q2020	x	x	x	x	x	0.417	0.514	0.186	0.700	1.117
3Q2020	x	x	x	x	x
Automotive LPG for non-commercial use (per litre)						Natural gas for industry (per megawatt hour GCV)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.360	-	0.069	0.069	0.429	31.32	0.66	-	0.66	31.98
2010	0.441	-	0.084	0.084	0.525	33.39	1.32	-	1.32	34.71
2011	0.466	0.092	0.112	0.204	0.669	34.77	1.32	-	1.32	36.09
2012	0.448	0.092	0.108	0.200	0.648	39.56	1.32	-	1.32	40.87
2013	0.396	0.092	0.097	0.189	0.585	35.85	1.32	-	1.32	37.17
2014	0.372	0.092	0.093	0.185	0.557	31.96	1.32	-	1.32	33.28
2015	0.241	0.092	0.067	0.159	0.400	31.39	1.32	-	1.32	32.71
2016	0.224	0.092	0.064	0.156	0.380	29.26	1.32	-	1.32	30.58
2017	0.272	0.092	0.075	0.167	0.439	27.50	1.32	-	1.32	28.82
2018	0.307	0.092	0.080	0.172	0.479	27.80	1.32	-	1.32	29.12
2019	0.280	0.092	0.074	0.167	0.446	25.93	1.32	-	1.32	27.25
3Q2019	0.256	0.092	0.069	0.162	0.418	27.81	1.32	-	1.32	29.13
4Q2019	0.278	0.092	0.074	0.166	0.444	26.96	1.32	-	1.32	28.28
1Q2020	0.280	0.092	0.074	0.166	0.446	25.31	1.32	-	1.32	26.63
2Q2020	0.205	0.092	0.059	0.151	0.356	23.79	1.32	-	1.32	25.11
3Q2020	22.35	1.32	-	1.32	23.67
Natural gas for electricity generation (per megawatt hour GCV)						Natural gas for households (per megawatt hour GCV)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	40.91	-	-	-	40.91	40.58	-	7.71	7.71	48.29
2010	25.88	-	-	-	25.88	38.39	-	7.29	7.29	45.68
2011	31.90	-	-	-	31.90	41.26	-	8.25	8.25	49.52
2012	41.44	-	-	-	41.44	44.34	-	8.87	8.87	53.21
2013	37.42	-	-	-	37.42	44.34	-	8.87	8.87	53.21
2014	38.51	-	-	-	38.51	44.43	-	8.89	8.89	53.32
2015	41.70	-	-	-	41.70	43.59	-	8.92	8.92	52.30
2016	29.01	-	-	-	29.01	39.33	-	7.87	7.87	47.19
2017	29.78	-	-	-	29.78	37.56	-	7.51	7.51	45.08
2018	33.42	-	-	-	33.42	39.56	-	7.91	7.91	47.47
2019	30.27	-	-	-	30.27	40.60	-	8.12	8.12	48.72
3Q2019	53.01	-	-	-	53.01	60.01	-	12.00	12.00	72.01
4Q2019	28.81	-	-	-	28.81	38.38	-	7.68	7.68	46.05
1Q2020	20.89	-	-	-	20.89	37.42	-	7.48	7.48	44.91
2Q2020	20.02	-	-	-	20.02	45.18	-	9.04	9.04	54.22
3Q2020	20.02	-	-	-	20.02	51.40	-	10.28	10.28	61.69

SLOVAK REPUBLIC**Table 3 - Average prices and taxes in euros**

Steam coal for industry (per tonne)					Steam coal for electricity generation (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020
Steam coal for households (per tonne)					Coking coal for industry (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	137.9
2010	137.9
2011	145.1
2012	149.8
2013	151.9
2014	151.8
2015	151.4
2016	150.9
2017	151.0
2018	156.6
2019	164.0
3Q2019	163.4
4Q2019	165.8
1Q2020	167.6
2Q2020	167.4
3Q2020
Electricity for industry (per megawatt hour)					Electricity for households (per megawatt hour)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	140.2	0.7	-	0.7	140.9	139.6	-	26.5	26.5	166.2
2010	127.7	1.3	-	1.3	129.0	135.1	-	25.6	25.6	160.8
2011	128.3	1.3	-	1.3	129.6	144.8	-	29.0	29.0	173.7
2012	132.1	1.3	-	1.3	133.4	148.9	-	29.8	29.8	178.7
2013	134.9	1.3	-	1.3	136.2	149.4	-	29.5	29.5	179.3
2014	118.3	1.3	-	1.3	119.6	134.4	-	26.9	26.9	161.3
2015	116.4	1.3	-	1.3	117.7	128.6	-	25.7	25.7	154.3
2016	111.7	1.3	-	1.3	113.0	128.0	-	25.6	25.6	153.6
2017	113.0	1.3	-	1.3	114.3	123.0	-	24.6	24.6	147.7
2018	118.3	1.3	-	1.3	119.7	127.1	-	25.4	25.4	152.6
2019	129.9	1.3	-	1.3	131.2	135.7	-	27.1	27.1	162.8
3Q2019	126.0	1.3	-	1.3	127.4	140.0	-	28.0	28.0	168.0
4Q2019	129.4	1.3	-	1.3	130.7	131.7	-	26.3	26.3	158.0
1Q2020	127.7	1.3	-	1.3	129.1	140.9	-	28.2	28.2	169.1
2Q2020	129.4	1.3	-	1.3	130.7	146.3	-	29.3	29.3	175.6
3Q2020	128.8	1.3	-	1.3	130.1	148.4	-	29.7	29.7	175.1

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Table 4 - Indices of energy prices

	Oil products		Electricity		Natural gas		Coal	
	Wholesale	Retail 2015 = 100	Wholesale 1995 = 100	Retail 2015 = 100	Wholesale 1995 = 100	Retail 2015 = 100	Wholesale	Retail 2015 = 100
1999	..	69.5	..	33.8	..	17.9	..	39.7
2000	..	89.7	..	54.1	..	26.8	..	42.8
2001	..	85.4	..	63.7	..	32.4	..	46.8
2002	..	80.9	..	64.4	..	32.8	..	50.0
2003	..	84.6	..	82.6	..	48.3	..	53.9
2004	..	94.1	..	92.5	..	64.1	..	60.4
2005	..	100.4	..	93.8	..	75.5	..	65.0
2006	..	106.0	..	98.3	..	92.9	..	71.8
2007	..	100.7	..	98.1	..	94.3	..	79.4
2008	..	107.2	..	100.6	..	94.4	..	83.8
2009	..	89.6	..	107.4	..	95.2	..	86.2
2010	..	96.9	..	103.8	..	90.6	..	87.7
2011	..	114.0	..	113.4	..	98.3	..	91.1
2012	..	121.8	..	114.2	..	103.1	..	96.0
2013	..	117.6	..	110.9	..	102.6	..	99.2
2014	..	114.4	..	103.9	..	102.4	..	100.0
2015	..	100.0	..	100.0	..	100.0	..	100.0
2016	..	93.0	..	99.3	..	91.7	..	100.1
2017	..	100.0	..	94.7	..	88.0	..	101.8
2018	..	107.3	..	97.4	..	88.4	..	106.9
2019	..	105.6	..	104.5	..	93.1	..	110.3
3Q2012	..	122.4	..	113.8	..	102.1	..	96.8
4Q2012	..	121.8	..	113.8	..	102.1	..	97.8
1Q2013	..	119.4	..	113.6	..	102.6	..	99.0
2Q2013	..	116.9	..	110.0	..	102.6	..	99.1
3Q2013	..	118.6	..	110.0	..	102.6	..	99.1
4Q2013	..	115.4	..	110.0	..	102.6	..	99.6
1Q2014	..	114.0	..	103.3	..	102.4	..	100.5
2Q2014	..	115.9	..	103.3	..	102.4	..	100.3
3Q2014	..	116.7	..	103.9	..	102.4	..	99.9
4Q2014	..	110.8	..	105.2	..	102.4	..	99.5
1Q2015	..	99.0	..	100.0	..	101.3	..	100.4
2Q2015	..	105.5	..	100.0	..	101.3	..	99.6
3Q2015	..	101.2	..	100.0	..	100.0	..	99.7
4Q2015	..	94.4	..	100.0	..	97.4	..	100.4
1Q2016	..	87.4	..	99.3	..	94.0	..	100.6
2Q2016	..	93.9	..	99.3	..	94.0	..	100.1
3Q2016	..	93.7	..	99.3	..	89.5	..	99.9
4Q2016	..	97.0	..	99.3	..	89.5	..	99.9
1Q2017	..	102.2	..	94.7	..	88.0	..	100.7
2Q2017	..	99.1	..	94.7	..	88.0	..	101.2
3Q2017	..	97.5	..	94.7	..	88.0	..	102.0
4Q2017	..	101.4	..	94.7	..	88.0	..	103.4
1Q2018	..	103.1	..	97.1	..	88.0	..	105.4
2Q2018	..	108.7	..	97.1	..	88.0	..	106.5
3Q2018	..	110.5	..	97.4	..	88.0	..	106.8
4Q2018	..	107.0	..	97.9	..	89.7	..	108.7
1Q2019	..	102.5	..	104.5	..	93.1	..	110.2
2Q2019	..	108.2	..	104.5	..	93.1	..	110.0
3Q2019	..	105.7	..	104.5	..	93.1	..	109.6
4Q2019	..	105.7	..	104.5	..	93.1	..	111.3
1Q2020	..	101.8	..	113.6	..	94.5	..	111.4
2Q2020	..	87.9	..	113.6	..	94.5	..	111.3
3Q2020

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Sources

Data for all energy products are provided on a quarterly basis by the **Ministry of Economy of the Slovak Republic (MHSR)**.

Retail energy price indices are based on data published by **Eurostat**.

Data collection methodology

Prices and taxes prior to 1 January 2009, the date of entry into the Economic and Monetary Union (EMU), have been converted from Slovak koruny using the irrevocable conversion rate of 30.1260 SKK/EUR. This methodology facilitates comparisons within a country over time and ensures that the historical evolution (i.e. growth rates) is preserved. However, pre-EMU euros are a national unit and are not normally suitable to form area aggregates or to carry out cross-country comparisons.

From 1Q1993 onwards, prices and taxes refer to the independent Slovak Republic. Prior to 1Q1993, prices and taxes refer to the former Czechoslovakia.

Oil products

From 2Q2000 onwards, high sulphur fuel oil is no longer consumed in industry or for electricity generation.

For low sulphur fuel oil, automotive diesel and premium unleaded (95 RON) gasoline, end-use prices are computed by MHSR based on monthly data submitted by Slovnaft, estimated to have a market share of 35% for low sulphur fuel oil, 59% for automotive diesel and 69% for premium unleaded (95 RON) gasoline, as of March 2017. Ex-tax prices are calculated by MHSR by subtracting the applicable tax components from the end-use prices.

For light fuel oil, prices for industry from 4Q2016 onwards are not applicable, as domestic sales of this product were stopped. For 2016, annual data refer to the first three quarters of the year. Prior to 4Q2016, end-use prices were computed by MHSR based on monthly data submitted by Slovnaft. Ex-tax prices were calculated by MHSR by subtracting the applicable tax components from the end-use prices.

For automotive LPG, end-use prices are computed by MHSR based on monthly data submitted by Probugas, which is estimated to 30% market share for this product. Ex-tax prices are calculated by MHSR by subtracting the applicable tax components from the end-use prices.

Natural gas

End-use prices are computed based on monthly data supplied by major natural distribution companies, covering all natural gas consumption in the country.

For each sector, monthly ex-tax unit prices for each company are calculated by MHSR by adding network and distribution charges to the unit supply cost. Unit prices are then multiplied by the reported sales volumes. Total monthly revenues are then summed for the quarter and ex-tax prices are calculated as the ratio between total revenues and total sales. Applicable excise taxes and the VAT are then added to the ex-tax price to calculate the end-use prices.

Steam and coking coal

Steam coal prices for industry refer to the quarterly final prices collected by the Statistical Office of the Slovak Republic (SUSR).

Electricity

End-use prices are computed based on monthly data supplied by three major and 18 minor regional electricity distribution companies, covering all consumption in the country.

For each sector, monthly ex-tax unit prices for each company are calculated by MHSR by adding network and distribution charges to the unit supply cost. Unit prices are then multiplied by the reported sales volumes. Total monthly revenues are then summed for the quarter and ex-tax prices are calculated as the ratio between total revenues and total sales. Applicable excise taxes and the VAT are then added to the ex-tax price to calculate the end-use prices.

Energy price indices

Annual and quarterly indices are 12-month and 3-month averages, respectively, of the Harmonised Indices of Consumer Prices (HICP) published by Eurostat.

Retail indices for oil products refer to a consumption-weighted average of the *liquid fuels* (cp0453) and *fuels and lubricants for personal transport equipment* (cp0722) series. Relative weights used for the calculations are taken from the associated item weights series (prc_hicp_inw), published by Eurostat.

Retail indices for electricity refer to the *electricity* (cp0451) series.

Retail indices for natural gas refer to the *gas* (cp0452) series.

Retail indices for coal refer to the *solid fuel* (cp0454) series.

Energy taxation

VAT

VAT (*DPH*) is refunded for purchases for commercial purposes. Therefore, it is not included in prices shown for industry, electricity generation and automotive fuels for commercial use.

Prior to 1 January 2004, gasoline and automotive diesel were subject to the general VAT rate while other fuels were taxed at a reduced rate. From 1 January 2004 onwards, the VAT is levied at the same rate for all commercial energy products.

From	To	General %	Reduced %
01.07.99	31.12.02	23	10
01.01.03	31.12.03	20	14
01.01.04	31.12.10	19	
01.01.11	now	20	

Excise tax

Excise taxes on commercial energy products are levied in accordance with the 2003 EU Energy Taxation Directive.

Tax applicability table (not exhaustive)

	HSFO/LSFO	LFO	Diesel	Gasoline	LPG	Natural gas	Steam coal	Coking coal	Electricity
Excise duties	x	x	x	x	x	x	x	x	x

Excise duties (*Spotrebne dane*)

Excise duties on oil products are legally defined in their current form in the Excise Duty Act (98/2004) and amendments, which first came in force on 1 May 2004.

Excise duties on coal, natural gas and electricity are legally defined in the Excise Duty Act for Electricity, Coal and Natural Gas (609/2007), which came in force on 1 July 2008, expanding the scope of the previous Excise Duty Act, which was limited to mineral.

Electricity and natural gas for households, as well as coal and natural gas for electricity generation, are exempt.

Low sulphur fuel oil and light fuel oil used in industry are subject to excise taxes, but the taxes are fully refunded to the companies.

Excise duties (*Spotrebne dane*)

From	To	Automotive diesel (EUR/l)	Gasoline (EUR/l)	Automotive LPG (EUR/l)	Natural gas (EUR/MWh)	Coal (EUR/tonne)	Electricity (EUR/MWh)
01.03.04	30.06.08	0.4813	0.5145	0.1414	0	0	0
01.07.08	31.12.09	0.4813	0.5145	0	0.66	10.62	0.66
01.01.10	31.01.10	0.4813	0.5145	0	1.32	10.62	1.32
01.02.10	31.12.10	0.3680	0.5145	0	1.32	10.62	1.32
01.01.11	31.01.18	0.3680	0.5145	0.092	1.32	10.62	1.32
01.02.18	now	0.3680	0.5140	0.092	1.32	10.62	1.32

Product specifications

	Low sulphur fuel oil	Light fuel oil	Automotive diesel	Premium unleaded (95 RON) gasoline	Automotive LPG	Natural gas	Steam coal
Quality				Benzin 95 / Euro Super			Hnedé uhlie
Density (kg/l)	0.99	0.91	0.835	0.747	0.503		
Sulphur content (%)	< 1	< 1					
NCV (kcal/kg)	9 699	10 101					6 023
GCV (kcal/m ³)							8 972

SLOVENIA**Table 1 - Average prices and taxes in euros**

Low sulphur fuel oil for industry (per tonne)					High sulphur fuel oil for industry (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	315.7	52.9	-	52.9	368.7	x	x	x	x	x
2010	416.2	65.1	-	65.1	481.3	x	x	x	x	x
2011	520.1	75.0	-	75.0	595.1	x	x	x	x	x
2012	598.7	90.0	-	90.0	688.7	x	x	x	x	x
2013	541.4	111.1	-	111.1	652.5	x	x	x	x	x
2014	520.7	139.0	-	139.0	659.7	x	x	x	x	x
2015	346.5	146.2	-	146.2	492.7	x	x	x	x	x
2016	324.2	111.3	-	111.3	435.4	x	x	x	x	x
2017	412.5	101.8	-	101.8	514.3	x	x	x	x	x
2018	489.5	101.8	-	101.8	591.3	x	x	x	x	x
2019	555.3	101.8	-	101.8	657.0	x	x	x	x	x
3Q2019	564.8	101.8	-	101.8	666.5	x	x	x	x	x
4Q2019	553.3	101.8	-	101.8	655.1	x	x	x	x	x
1Q2020	x	x	x	x	x	x	x	x	x	x
2Q2020	x	x	x	x	x	x	x	x	x	x
3Q2020	x	x	x	x	x	x	x	x	x	x
Light fuel oil for industry (per 1000 litres)					Light fuel oil for households (per 1000 litres)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	375.0	94.5	-	94.5	469.5	375.0	94.5	93.9	188.4	563.4
2010	490.5	115.4	-	115.4	605.9	490.5	115.4	121.2	236.6	727.1
2011	629.8	130.5	-	130.5	760.3	629.8	130.5	152.1	282.6	912.4
2012	696.3	153.1	-	153.1	849.4	696.3	153.1	169.9	323.0	1 019.3
2013	655.9	176.6	-	176.6	832.4	655.9	176.6	174.8	351.4	1 007.2
2014	609.3	219.2	-	219.2	828.6	609.3	219.2	182.3	401.5	1 010.9
2015	447.3	247.2	-	247.2	694.6	447.3	247.2	152.8	400.0	847.4
2016	353.9	244.0	-	244.0	598.0	353.9	244.0	131.6	375.6	729.5
2017	428.0	234.0	-	234.0	662.0	428.0	234.0	145.6	379.6	807.7
2018	537.1	233.8	-	233.8	770.9	537.1	233.8	169.6	403.4	940.5
2019	549.0	233.8	-	233.8	782.7	549.0	233.8	172.2	406.0	954.9
3Q2019	545.8	233.8	-	233.8	779.6	545.8	233.8	171.5	405.3	951.1
4Q2019	562.5	233.8	-	233.8	796.3	562.5	233.8	175.2	408.9	971.5
1Q2020	530.1	233.8	-	233.8	763.9	530.1	233.8	168.0	401.8	931.9
2Q2020	342.3	233.8	-	233.8	576.1	342.3	233.8	126.7	360.5	702.8
3Q2020
Automotive diesel for commercial use (per litre)					Automotive diesel for non-commercial use (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.410	0.431	-	0.431	0.842	0.410	0.431	0.168	0.599	1.010
2010	0.526	0.432	-	0.432	0.958	0.526	0.432	0.192	0.624	1.149
2011	0.676	0.360	-	0.360	1.036	0.676	0.360	0.207	0.568	1.243
2012	0.738	0.397	-	0.397	1.135	0.738	0.397	0.227	0.624	1.362
2013	0.694	0.446	-	0.446	1.140	0.694	0.446	0.239	0.685	1.379
2014	0.648	0.459	-	0.459	1.107	0.648	0.459	0.244	0.703	1.351
2015	0.486	0.478	-	0.478	0.964	0.486	0.478	0.212	0.690	1.176
2016	0.395	0.487	-	0.487	0.883	0.395	0.487	0.194	0.682	1.077
2017	0.462	0.502	-	0.502	0.964	0.462	0.502	0.212	0.714	1.177
2018	0.566	0.482	-	0.482	1.048	0.566	0.482	0.231	0.712	1.279
2019	0.556	0.469	-	0.469	1.025	0.556	0.469	0.226	0.695	1.251
3Q2019	0.548	0.469	-	0.469	1.017	0.548	0.469	0.224	0.693	1.241
4Q2019	0.561	0.469	-	0.469	1.030	0.561	0.469	0.227	0.696	1.256
1Q2020	0.537	0.469	-	0.469	1.006	0.537	0.469	0.221	0.690	1.228
2Q2020	0.330	0.492	-	0.492	0.822	0.330	0.492	0.181	0.673	1.003
3Q2020

SLOVENIA**Table 2 - Average prices and taxes in euros**

Premium unleaded (98 RON) gasoline (per litre)						Premium unleaded (95 RON) gasoline (per litre)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.419	0.472	0.178	0.651	1.070	0.403	0.472	0.175	0.648	1.050
2010	0.531	0.491	0.204	0.696	1.227	0.510	0.491	0.200	0.692	1.202
2011	0.641	0.446	0.217	0.663	1.304	0.630	0.446	0.215	0.661	1.291
2012	0.719	0.526	0.249	0.775	1.494	0.703	0.526	0.246	0.772	1.476
2013	0.684	0.566	0.262	0.828	1.511	0.664	0.566	0.258	0.824	1.487
2014	0.649	0.563	0.267	0.830	1.479	0.625	0.563	0.261	0.824	1.449
2015	0.530	0.566	0.241	0.807	1.337	0.489	0.566	0.232	0.798	1.287
2016	0.467	0.564	0.227	0.791	1.258	0.415	0.564	0.215	0.779	1.195
2017	0.544	0.576	0.246	0.822	1.366	0.465	0.576	0.229	0.805	1.270
2018	0.628	0.558	0.261	0.819	1.447	0.526	0.558	0.238	0.797	1.322
2019	0.613	0.547	0.255	0.802	1.415	0.506	0.547	0.232	0.778	1.285
3Q2019	0.621	0.547	0.257	0.804	1.425	0.518	0.547	0.234	0.781	1.299
4Q2019	0.612	0.547	0.255	0.802	1.413	0.511	0.547	0.233	0.780	1.291
1Q2020	0.597	0.547	0.252	0.798	1.395	0.496	0.547	0.229	0.776	1.272
2Q2020	0.398	0.547	0.208	0.755	1.153	0.282	0.547	0.182	0.729	1.011
3Q2020
Automotive LPG for non-commercial use (per litre)						Natural gas for industry (per megawatt hour GCV)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.382	0.071	0.091	0.162	0.543	32.50	2.84	-	2.84	35.33
2010	0.497	0.075	0.114	0.189	0.686	35.08	3.88	-	3.88	38.96
2011	0.552	0.079	0.126	0.205	0.758	37.48	4.45	-	4.45	41.93
2012	0.585	0.083	0.134	0.217	0.802	45.64	4.45	-	4.45	50.09
2013	0.558	0.083	0.135	0.218	0.776	38.82	4.79	-	4.79	43.61
2014	0.530	0.093	0.137	0.230	0.760	33.95	5.04	-	5.04	38.99
2015	0.414	0.089	0.111	0.200	0.614	30.83	3.39	-	3.39	34.22
2016	0.357	0.107	0.102	0.209	0.567	25.76	3.28	-	3.28	29.05
2017	0.412	0.115	0.116	0.230	0.642	24.31	3.35	-	3.35	27.66
2018	0.426	0.115	0.119	0.233	0.659	26.58	3.27	-	3.27	29.85
2019	0.388	0.115	0.111	0.225	0.613	27.32	3.57	-	3.57	30.89
3Q2019	0.373	0.115	0.107	0.222	0.595	24.78	3.24	-	3.24	28.01
4Q2019	0.358	0.115	0.104	0.219	0.577	27.00	3.63	-	3.63	30.62
1Q2020	0.398	0.115	0.113	0.227	0.625	25.03	3.49	-	3.49	28.52
2Q2020	0.368	0.115	0.106	0.221	0.589	23.13	3.31	-	3.31	26.44
3Q2020
Natural gas for electricity generation (per megawatt hour GCV)						Natural gas for households (per megawatt hour GCV)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	c	c	c	c	c	49.20	2.84	10.41	13.24	62.44
2010	c	c	c	c	c	48.20	3.88	10.42	14.30	62.50
2011	c	c	c	c	c	54.74	4.45	11.84	16.29	71.03
2012	c	c	c	c	c	59.40	4.45	12.77	17.22	76.62
2013	c	c	c	c	c	52.05	4.79	11.99	16.78	68.83
2014	c	c	c	c	c	49.69	5.02	12.04	17.05	66.74
2015	c	c	c	c	c	45.02	6.39	11.31	17.70	62.71
2016	c	c	c	c	c	41.11	6.51	10.48	16.99	58.10
2017	c	c	c	c	c	37.51	6.65	9.71	16.36	53.87
2018	c	c	c	c	c	38.69	6.65	9.98	16.63	55.32
2019	c	c	c	c	c	39.86	6.65	10.23	16.88	56.74
3Q2019	c	c	c	c	c	40.43	6.65	10.36	17.01	57.44
4Q2019	c	c	c	c	c	38.97	6.65	10.04	16.69	55.66
1Q2020	c	c	c	c	c	41.27	6.65	10.54	17.19	58.46
2Q2020	c	c	c	c	c	41.37	6.65	10.56	17.21	58.59
3Q2020	c	c	c	c	c

SLOVENIA**Table 3 - Average prices and taxes in euros**

Steam coal for industry (per tonne)						Steam coal for electricity generation (per tonne)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	c	c	c	c	c	c	c	c	c	c
2010	c	c	c	c	c	c	c	c	c	c
2011	c	c	c	c	c	c	c	c	c	c
2012	c	c	c	c	c	c	c	c	c	c
2013	c	c	c	c	c	c	c	c	c	c
2014	c	c	c	c	c	c	c	c	c	c
2015	c	c	c	c	c	c	c	c	c	c
2016	c	c	c	c	c	c	c	c	c	c
2017	c	c	c	c	c	c	c	c	c	c
2018	c	c	c	c	c	c	c	c	c	c
2019	c	c	c	c	c	c	c	c	c	c
3Q2019	c	c	c	c	c	c	c	c	c	c
4Q2019	c	c	c	c	c	c	c	c	c	c
1Q2020	c	c	c	c	c	c	c	c	c	c
2Q2020	c	c	c	c	c	c	c	c	c	c
3Q2020	c	c	c	c	c	c	c	c	c	c
Steam coal for households (per tonne)						Coking coal for industry (per tonne)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	x	x	x	x	x	x	x	x	x	x
2010	x	x	x	x	x	x	x	x	x	x
2011	x	x	x	x	x	x	x	x	x	x
2012	x	x	x	x	x	x	x	x	x	x
2013	x	x	x	x	x	x	x	x	x	x
2014	x	x	x	x	x	x	x	x	x	x
2015	x	x	x	x	x	x	x	x	x	x
2016	x	x	x	x	x	x	x	x	x	x
2017	x	x	x	x	x	x	x	x	x	x
2018	x	x	x	x	x	x	x	x	x	x
2019	x	x	x	x	x	x	x	x	x	x
3Q2019	x	x	x	x	x	x	x	x	x	x
4Q2019	x	x	x	x	x	x	x	x	x	x
1Q2020	x	x	x	x	x	x	x	x	x	x
2Q2020	x	x	x	x	x	x	x	x	x	x
3Q2020	x	x	x	x	x	x	x	x	x	x
Electricity for industry (per megawatt hour)						Electricity for households (per megawatt hour)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	92.3	4.5	-	4.5	96.8	103.5	6.3	22.0	28.3	131.8
2010	83.1	8.6	-	8.6	91.7	105.5	11.2	23.3	34.5	140.0
2011	82.4	8.4	-	8.4	90.8	110.6	10.3	24.2	34.5	145.1
2012	84.1	7.5	-	7.5	91.6	116.5	8.9	25.1	34.0	150.5
2013	82.4	12.3	-	12.3	94.7	116.0	16.5	27.8	44.3	160.3
2014	75.7	11.1	-	11.1	86.8	113.8	17.6	28.9	46.5	160.3
2015	67.9	11.6	-	11.6	79.4	111.3	19.0	28.7	47.6	158.9
2016	63.5	12.4	-	12.4	75.9	110.6	20.7	28.9	49.6	160.2
2017	61.0	12.0	-	12.0	72.9	109.1	20.5	28.5	49.0	158.1
2018	67.1	11.9	-	11.9	79.0	109.6	20.4	28.6	49.0	158.5
2019	71.3	12.1	-	12.1	83.5	110.8	20.4	28.9	49.3	160.1
3Q2019	71.0	12.2	-	12.2	83.2	114.2	23.0	30.2	53.2	167.4
4Q2019	72.2	12.3	-	12.3	84.6	110.7	19.3	28.6	47.9	158.6
1Q2020	75.4	11.6	-	11.6	87.0	104.3	13.4	25.9	39.3	143.6
2Q2020	74.1	11.6	-	11.6	85.8	100.2	9.7	24.2	33.9	134.1
3Q2020

SLOVENIA**Table 4 - Indices of energy prices**

	Oil products		Electricity		Natural gas		Coal	
	Wholesale	Retail 2015 = 100	Wholesale	Retail 2015 = 100	Wholesale	Retail 2015 = 100	Wholesale	Retail 2015 = 100
1999
2000	..	46.8	..	47.9	..	43.0	..	53.3
2001	..	52.2	..	50.5	..	52.6	..	65.7
2002	..	56.3	..	53.5	..	50.0	..	70.3
2003	..	58.3	..	55.5	..	53.6	..	72.0
2004	..	63.2	..	58.3	..	55.4	..	74.9
2005	..	72.1	..	59.1	..	63.6	..	78.9
2006	..	78.6	..	60.1	..	72.8	..	86.4
2007	..	80.5	..	63.1	..	75.1	..	102.7
2008	..	88.7	..	66.7	..	93.6	..	94.8
2009	..	79.2	..	79.6	..	85.4	..	92.1
2010	..	93.0	..	84.2	..	94.6	..	105.3
2011	..	102.8	..	86.3	..	106.7	..	111.8
2012	..	115.4	..	90.3	..	112.2	..	103.6
2013	..	116.2	..	100.4	..	102.4	..	105.2
2014	..	114.0	..	98.9	..	103.6	..	104.4
2015	..	100.0	..	100.0	..	100.0	..	100.0
2016	..	91.6	..	102.0	..	95.9	..	99.3
2017	..	99.3	..	102.4	..	96.4	..	100.0
2018	..	106.4	..	103.5	..	101.2	..	110.3
2019	..	104.3	..	104.9	..	103.0	..	116.2
3Q2012	..	117.1	..	90.5	..	117.2	..	105.3
4Q2012	..	118.5	..	90.5	..	103.8	..	103.2
1Q2013	..	118.8	..	97.2	..	104.4	..	103.8
2Q2013	..	114.8	..	100.6	..	102.5	..	104.9
3Q2013	..	117.3	..	102.1	..	100.7	..	105.0
4Q2013	..	114.0	..	101.9	..	101.9	..	107.0
1Q2014	..	113.7	..	99.3	..	102.8	..	106.7
2Q2014	..	115.5	..	98.9	..	103.3	..	107.2
3Q2014	..	115.2	..	98.8	..	104.0	..	102.9
4Q2014	..	111.7	..	98.8	..	104.1	..	100.8
1Q2015	..	100.4	..	98.6	..	103.0	..	100.5
2Q2015	..	104.5	..	98.6	..	100.4	..	100.1
3Q2015	..	100.4	..	100.9	..	99.0	..	100.2
4Q2015	..	94.7	..	101.8	..	97.6	..	99.2
1Q2016	..	86.7	..	102.1	..	97.1	..	99.8
2Q2016	..	91.8	..	102.0	..	96.4	..	99.8
3Q2016	..	92.9	..	102.0	..	95.0	..	99.2
4Q2016	..	95.1	..	102.0	..	95.0	..	98.5
1Q2017	..	100.8	..	102.3	..	96.3	..	100.3
2Q2017	..	98.1	..	102.4	..	96.4	..	99.7
3Q2017	..	97.1	..	102.4	..	95.5	..	98.7
4Q2017	..	101.4	..	102.4	..	97.7	..	101.2
1Q2018	..	103.1	..	102.7	..	100.7	..	108.1
2Q2018	..	106.4	..	102.7	..	99.5	..	108.8
3Q2018	..	108.2	..	103.0	..	101.2	..	109.6
4Q2018	..	108.0	..	105.4	..	103.5	..	114.8
1Q2019	..	101.0	..	104.4	..	103.6	..	116.9
2Q2019	..	106.9	..	104.4	..	103.6	..	116.9
3Q2019	..	104.3	..	104.7	..	102.5	..	115.5
4Q2019	..	104.9	..	106.3	..	102.1	..	115.5
1Q2020	..	102.8	..	96.5	..	103.0	..	115.4
2Q2020	..	82.2	..	85.4	..	101.3	..	111.8
3Q2020

SLOVENIA

Sources

Data for all energy products are provided on a quarterly basis by the **Statistical Office of the Republic of Slovenia (SURS)**, in cooperation with the **Ministry of Infrastructure (the Ministry)**.

Retail energy price indices are based on data published by **Eurostat**.

Data collection methodology

Prices and taxes prior to 1 January 2007, the date of entry into the Economic and Monetary Union (EMU), have been converted from Slovenian Tolars using the appropriate irrevocable conversion rate of 239.640 SIT/EUR. This methodology facilitates comparisons within a country over time and ensures that the historical evolution (i.e. growth rates) is preserved. However, pre-EMU euros are a notional unit and are not normally suitable to form area aggregates or to carry out cross-country comparisons.

Oil products

Price formation mechanisms for oil products are a combination of market prices and regulated prices. Automotive diesel and premium unleaded (95 RON) gasoline sold at filling stations on motorways and are, from 9 November 2016 onwards, subject to market pricing, while sales on all other roads are still regulated through decrees which establish maximum prices for fourteen days after publication. On the other hand, all light fuel oil and unleaded premium (98 RON) gasoline sales are, from 12 April 2016 onwards, as well as low sulphur fuel oil and automotive LPG, are subject to market pricing.

For low sulphur fuel oil, ex-tax prices were collected by the Ministry on a monthly basis from the largest seller, estimated to cover 99% of the demand. End-use prices were subsequently calculated by adding the applicable duties and taxes to the ex-tax prices. From 2020, low sulphur fuel oil is no longer being sold in Slovenia, therefore data is not reported since.

For all other oil products, quarterly and annual prices are calculated as weighted averages of weekly prices reported in the European Commission's *Weekly Oil Bulletin*

For light fuel oil, end-use prices are collected by the Ministry on a weekly basis from the three largest filling station operators, estimated to cover 88% of the demand as of April 2016. Ex-tax prices are subsequently calculated by sub-

tracting the applicable duties, taxes and VAT from the end use prices.

For automotive diesel, end-use prices are collected by the Ministry on a weekly basis from the three largest filling station operators, estimated to cover 87% of the demand as of April 2016. Ex-tax prices are subsequently calculated by subtracting the applicable duties, taxes and VAT from the end use prices.

For unleaded premium (95 RON and 98 RON) gasoline, end-use prices are collected by the Ministry on a weekly basis from the three largest filling station operators, estimated to cover 95% of the demand as of April 2016. Ex-tax prices are subsequently calculated by subtracting the applicable duties, taxes and VAT from the end use prices.

For automotive LPG, end-use prices are collected by the Ministry of Infrastructure on a weekly basis from the nine largest filling station operators, estimated to cover 95% of the demand as of April 2016. Ex-tax prices are subsequently calculated by subtracting the applicable duties, taxes and VAT from the end use prices.

Natural gas

All natural gas distributors and network operators have the obligation to report their prices on a quarterly basis through an online survey conducted by SURS. In this survey, companies report revenues from sales and quantities sold in each consumption band on an ex-tax level. They also report revenues from excise tax, environmental tax and other levies on ex-VAT level. Using this information, ex-tax prices for industry and households, excise taxes and VAT amounts are calculated by SURS as consumption weighted averages.

As a result, prices shown in this publication are considered to be representative for 100% of the consumption in each sector.

Steam and coking coal

For industry and electricity generation, prices for steam coal are confidential.

Due to low consumption levels of coking coal and steam coal for households, prices for these series are considered as not applicable.

Electricity

All electricity distributors and network operators have the obligation to report their prices on a monthly basis through an online survey conducted by the Ministry, pursuant to the country's Energy Act. In this survey, companies report revenues from sales and quantities sold in each consumption band on an ex-tax level. They also report revenues from excise tax and other levies on ex-

VAT level. Using this information, prices for industry and households are calculated by the Ministry as consumption weighted averages.

As a result, prices shown in this publication are considered to be representative for 100% of the consumption in each sector.

Energy price indices

Annual and quarterly indices are 12-month and 3-month averages, respectively, of the Harmonised Indices of Consumer Prices (HICP) published by Eurostat.

Retail indices for oil products refer to a consumption-weighted average of the *liquid fuels* (cp0453) and *fuels and lubricants for personal transport equipment* (cp0722) series. Relative weights used for the calculations are taken from the associated item weights series (prc_hicp_inw), published by Eurostat.

Retail indices for electricity refer to the *electricity* (cp0451) series.

Retail indices for natural gas refer to the *gas* (cp0452) series.

Retail indices for coal refer to the *solid fuel* (cp0454) series.

Energy taxation

VAT

VAT (*DDV*) is refunded for purchases for commercial purposes. Therefore, it is not included in prices shown for the industrial and electricity generation sectors, as well as for automotive fuels for commercial use.

Excise duties (*Trošarine*)

From	To	Heavy fuel oil (EUR/tonne)	Light fuel oil (EUR/1000l)	Automotive diesel (EUR/l)	Gasoline (EUR/l)	Automotive LPG (EUR/l)	Electricity households (EUR/MWh)	Electricity industry (EUR/MWh)	Natural gas households (EUR/MWh)	Natural gas industry (EUR/MWh)
01.01.10	31.01.10	15.02	62.00	0.43200	0.48951	0.07118	1.00	0.50	0.57099	0.57099
01.02.10	08.03.10	15.02	62.00	0.43200	0.48951	0.07117	1.00	0.50	0.57099	0.57099
09.03.10	17.05.10	15.02	62.00	0.41200	0.46951	0.07117	1.00	0.50	0.57099	0.57099
18.05.10	31.05.10	15.02	62.00	0.41700	0.47451	0.07117	1.00	0.50	0.57099	0.57099
01.06.10	14.06.10	15.02	85.40	0.42200	0.47951	0.07117	1.00	0.50	0.57099	0.57099
15.06.10	12.07.10	15.02	85.40	0.42700	0.48451	0.07117	1.00	0.50	0.57099	0.57099
13.07.10	26.07.10	15.02	85.40	0.43700	0.49451	0.07117	1.00	0.50	0.57099	0.57099
27.07.10	31.07.10	15.02	85.40	0.44450	0.49951	0.07117	1.00	0.50	0.57099	0.57099
01.08.10	20.09.10	15.02	85.40	0.44450	0.49951	0.07117	3.05	3.05	1.71298	1.71298
21.09.10	04.10.10	15.02	77.61	0.43708	0.49170	0.07117	3.05	3.05	1.71298	1.71298

From	To	%
01.05.04	30.06.13	20
01.07.13	now	22

Excise tax

Excise taxes on commercial energy products in Slovenia are levied in accordance with the 2003 EU Energy Taxation Directive.

Tax applicability table (not exhaustive)

	HSFO/LSFO	LFO	Diesel	Gasoline	LPG	Natural gas	Steam coal	Coking coal	Electricity
Excise duties	x	x	x	x	x	x	x	x	x

Excise duties (*Trošarine*)

Excise duties on commercial energy products are legally defined in the Excise Duty Act, which was first introduced on 1 July 1999. Excise duties are levied on the sales of oil products, natural gas, solid fuels and electricity, among other products. Rates are expressed on a volume or mass basis for oil products and natural gas, and on an energy basis for electricity and solid fuels.

Automotive diesel used for commercial transportation is subject to a partial refund on the excise duties paid at the pump.

From	To	Heavy fuel oil (EUR/tonne)	Light fuel oil (EUR/1000l)	Automotive diesel (EUR/l)	Gasoline (EUR/l)	Automotive LPG (EUR/l)	Electricity households (EUR/MWh)	Electricity industry (EUR/MWh)	Natural gas households (EUR/MWh)	Natural gas industry (EUR/MWh)
05.10.10	18.10.10	15.02	84.28	0.44409	0.51266	0.07117	3.05	3.05	1.71298	1.71298
19.10.10	13.12.10	15.02	80.85	0.43985	0.49815	0.07117	3.05	3.05	1.71298	1.71298
14.12.10	24.01.11	15.02	70.54	0.42021	0.47801	0.07117	3.05	3.05	1.71298	1.71298
25.01.11	07.02.11	15.02	70.54	0.39447	0.45698	0.07117	3.05	3.05	1.71298	1.71298
08.02.11	21.02.11	15.02	72.48	0.39957	0.48290	0.07117	3.05	3.05	1.71298	1.71298
22.02.11	07.03.11	15.02	70.67	0.37886	0.46496	0.07117	3.05	3.05	1.71298	1.71298
08.03.11	21.03.11	15.02	70.67	0.34524	0.42985	0.07117	3.05	3.05	1.71298	1.71298
22.03.11	18.04.11	15.02	70.67	0.33043	0.42985	0.07117	3.05	3.05	1.71298	1.71298
19.04.11	16.05.11	15.02	70.67	0.33043	0.40638	0.07117	3.05	3.05	1.71298	1.71298
17.05.11	25.07.11	15.02	78.49	0.35116	0.41714	0.07117	3.05	3.05	1.71298	1.71298
26.07.11	08.08.11	15.02	70.50	0.33096	0.39764	0.07117	3.05	3.05	1.71298	1.71298
09.08.11	22.08.11	15.02	86.44	0.34624	0.41074	0.07117	3.05	3.05	1.71298	1.71298
23.08.11	05.09.11	15.02	104.54	0.37920	0.44244	0.07117	3.05	3.05	1.71298	1.71298
06.09.11	19.09.11	15.02	87.49	0.36437	0.42089	0.07117	3.05	3.05	1.71298	1.71298
20.09.11	03.10.11	15.02	72.53	0.34443	0.41479	0.07117	3.05	3.05	1.71298	1.71298
04.10.11	02.11.11	15.02	93.51	0.36979	0.45953	0.07117	3.05	3.05	1.71298	1.71298
24.10.11	02.11.11	15.02	93.51	0.36979	0.45953	0.07118	3.05	3.05	1.71298	1.71298
03.11.11	14.11.11	15.02	75.82	0.35349	0.46246	0.07118	3.05	3.05	1.71298	1.71298
15.11.11	28.11.11	15.02	70.73	0.34528	0.47573	0.07118	3.05	3.05	1.71298	1.71298
29.11.11	12.12.11	15.02	55.56	0.33998	0.49067	0.07118	3.05	3.05	1.71298	1.71298
13.12.11	27.12.11	15.02	67.32	0.35212	0.49067	0.07118	3.05	3.05	1.71298	1.71298
28.12.11	09.01.12	15.02	81.02	0.36221	0.49067	0.07118	3.05	3.05	1.71298	1.71298
10.01.12	28.05.12	15.02	70.49	0.36221	0.49067	0.07124	3.05	3.05	1.71298	1.71298
29.05.12	11.06.12	15.02	80.86	0.37097	0.49698	0.07124	3.05	3.05	1.71298	1.71298
12.06.12	17.09.12	15.02	90.05	0.38169	0.50242	0.07124	3.05	3.05	1.71298	1.71298
18.09.12	01.10.12	15.02	97.40	0.38597	0.51522	0.07124	3.05	3.05	1.71298	1.71298
02.10.12	10.12.12	15.02	105.00	0.40226	0.54167	0.07124	3.05	3.05	1.71298	1.71298
11.12.12	24.12.12	15.02	105.00	0.40923	0.54594	0.07124	3.05	3.05	1.71298	1.71298
25.12.12	18.02.13	15.02	105.00	0.41640	0.54594	0.07124	3.05	3.05	1.71298	1.71298
14.01.13	18.02.13	15.02	105.00	0.41640	0.54594	0.07131	3.05	3.05	1.71298	1.71298
19.02.13	02.04.13	15.02	86.85	0.39987	0.52737	0.07131	3.05	3.05	1.71298	1.71298
03.04.13	15.04.13	15.02	92.29	0.41095	0.52737	0.07131	3.05	3.05	1.71298	1.71298
16.04.13	27.05.13	15.02	96.74	0.41760	0.54496	0.07131	3.05	3.05	1.71298	1.71298
28.05.13	22.07.13	15.02	88.72	0.40888	0.53139	0.07131	3.05	3.05	1.71298	1.71298
23.07.13	05.08.13	15.02	77.52	0.39548	0.51161	0.07131	3.05	3.05	1.71298	1.71298
06.08.13	02.09.13	15.02	86.16	0.40409	0.52133	0.07131	3.05	3.05	1.71298	1.71298

From	To	Heavy fuel oil (EUR/tonne)	Light fuel oil (EUR/1000l)	Automotive diesel (EUR/l)	Gasoline (EUR/l)	Automotive LPG (EUR/l)	Electricity households (EUR/MWh)	Electricity industry (EUR/MWh)	Natural gas households (EUR/MWh)	Natural gas industry (EUR/MWh)
03.09.13	11.11.13	15.02	81.60	0.39930	0.51416	0.07131	3.05	3.05	1.71298	1.71298
12.11.13	19.01.14	15.02	86.91	0.40488	0.51416	0.07131	3.05	3.05	1.71298	1.71298
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20.01.14	05.02.14	15.02	86.91	0.40488	0.51416	0.07134	3.05	3.05	1.71298	1.71298
06.02.14	17.03.14	15.02	86.91	0.37507	0.51416	0.07134	3.05	3.05	1.71298	1.71298
18.03.14	14.04.14	15.02	102.65	0.40512	0.51416	0.07134	3.05	3.05	1.71298	1.71298
15.04.14	23.06.14	15.02	104.89	0.42277	0.52452	0.07277	3.05	3.05	1.75105	1.75105
24.06.14	07.07.14	15.02	95.65	0.41292	0.51495	0.07277	3.05	3.05	1.75105	1.75105
08.07.14	29.09.14	15.02	95.65	0.40990	0.50411	0.07277	3.05	3.05	1.75105	1.75105
30.09.14	13.10.14	15.02	108.39	0.42059	0.51405	0.07277	3.05	3.05	1.75105	1.75105
14.10.14	27.10.14	15.02	119.39	0.42845	0.52163	0.07277	3.05	3.05	1.75105	1.75105
28.10.14	22.12.14	15.02	142.37	0.45037	0.55339	0.07277	3.05	3.05	1.75105	1.75105
23.12.14	05.01.15	15.02	142.37	0.46010	0.56385	0.07277	3.05	3.05	1.75105	1.75105
06.01.15	16.02.15	15.02	142.37	0.44971	0.55425	0.07277	3.05	3.05	1.75105	1.75105
26.01.15	16.02.15	15.02	142.37	0.44971	0.55425	0.07282	3.05	3.05	1.75105	1.75105
17.02.15	02.03.15	15.02	124.63	0.43442	0.53806	0.07282	3.05	3.05	1.75105	1.75105
03.03.15	16.03.15	15.02	105.80	0.40998	0.51520	0.07282	3.05	3.05	1.75105	1.75105
17.03.15	31.03.15	15.02	105.80	0.40998	0.50310	0.07282	3.05	3.05	1.75105	1.75105
01.04.15	08.06.15	15.02	105.80	0.40998	0.50310	0.07282	3.05	3.05	1.75105	1.39893
09.06.15	22.06.15	15.02	105.80	0.40998	0.49348	0.07282	3.05	3.05	1.75105	1.39893
23.06.15	30.06.15	15.02	105.80	0.40998	0.48606	0.07282	3.05	3.05	1.75105	1.39893
01.07.15	03.08.15	15.02	105.80	0.40998	0.48606	0.07282	3.05	3.05	1.75105	1.41797
04.08.15	31.08.15	15.02	114.64	0.41746	0.50378	0.07282	3.05	3.05	1.75105	1.41797
01.09.15	28.09.15	15.02	138.67	0.41746	0.50378	0.07282	3.05	3.05	1.75105	1.41797
29.09.15	30.09.15	15.02	152.15	0.41746	0.50378	0.07282	3.05	3.05	1.75105	1.41797
01.10.15	26.10.15	15.02	152.15	0.41746	0.50378	0.07282	3.05	3.05	1.75105	1.62733
27.10.15	31.12.15	15.02	157.50	0.41746	0.50378	0.07282	3.05	3.05	1.75105	1.62733
01.01.16	01.02.16	15.02	157.50	0.41746	0.50378	0.07282	3.05	3.05	1.75105	1.41797
02.02.16	31.03.16	15.02	157.50	0.42605	0.50780	0.07282	3.05	3.05	1.75105	1.41797
01.04.16	30.06.16	15.02	157.50	0.42650	0.50780	0.07282	3.05	3.05	1.75105	1.37990
01.07.16	30.09.16	15.02	157.50	0.42605	0.50780	0.07282	3.05	3.05	1.75105	1.27522
01.10.16	31.12.16	15.02	157.50	0.42605	0.50780	0.07282	3.05	3.05	1.75105	1.32280
01.01.17	08.01.17	15.02	157.50	0.42605	0.50780	0.07282	3.05	3.05	1.75105	1.15150
09.01.17	30.03.17	15.02	157.50	0.42605	0.50780	0.07281	3.05	3.05	1.75105	1.15150
01.04.17	30.06.17	15.02	157.50	0.42605	0.50780	0.07281	3.05	3.05	1.75105	1.26570
01.07.17	30.09.17	15.02	157.50	0.42605	0.50780	0.07281	3.05	3.05	1.75105	1.13247

From	To	Heavy fuel oil (EUR/tonne)	Light fuel oil (EUR/1000l)	Automotive diesel (EUR/l)	Gasoline (EUR/l)	Automotive LPG (EUR/l)	Electricity households (EUR/MWh)	Electricity industry (EUR/MWh)	Natural gas households (EUR/MWh)	Natural gas industry (EUR/MWh)
01.10.17	31.12.17	15.02	157.50	0.42605	0.50780	0.07281	3.05	3.05	1.75105	1.37990
01.01.18	31.03.18	15.02	157.50	0.42605	0.50780	0.07281	3.05	3.05	1.75105	1.07537
01.04.18	21.05.18	15.02	157.50	0.42605	0.50780	0.07281	3.05	3.05	1.75105	0.95166
22.05.18	30.06.18	15.02	157.50	0.39272	0.47829	0.07281	3.05	3.05	1.75105	0.95166
01.07.18	30.09.18	15.02	157.50	0.39272	0.47829	0.07281	3.05	3.05	1.75105	1.14199
01.10.18	31.12.18	15.02	157.50	0.39272	0.47829	0.07281	3.05	3.05	1.75105	1.15150
01.01.19	30.06.19	15.02	157.50	0.39272	0.47829	0.07281	3.05	3.05	1.75105	1.39893
01.07.19	30.09.19	15.02	157.50	0.39272	0.47829	0.07281	3.05	3.05	1.75105	1.34183
01.10.19	31.12.19	15.02	157.50	0.39272	0.47829	0.07281	3.05	3.05	1.75105	1.38942
01.01.20	31.03.20	n/a	157.50	0.39272	0.47829	0.07281	3.05	3.05	1.75105	1.39977
01.04.20	06.04.20	n/a	157.50	0.39272	0.47829	0.07281	3.05	3.05	1.75105	1.40571
07.04.20	20.04.20	n/a	157.50	0.40531	0.51089	0.07281	3.05	3.05	1.75105	1.40571
21.04.20	04.05.20	n/a	157.50	0.41879	0.50218	0.07281	3.05	3.05	1.75105	1.40571
05.05.20	18.05.20	n/a	157.50	0.46703	0.51421	0.07281	3.05	3.05	1.75105	1.40571
19.05.20	01.06.20	n/a	157.50	0.43279	0.47305	0.07281	3.05	3.05	1.75105	1.40571
02.06.20	15.06.20	n/a	157.50	0.39956	0.43561	0.07281	3.05	3.05	1.75105	1.40571
16.06.20	29.06.20	n/a	157.50	0.38069	0.41325	0.07281	3.05	3.05	1.75105	1.40571
30.06.20	13.07.20	n/a	157.50	0.35794	0.38513	0.07281	3.05	3.05	1.75105	1.40571

Notes:

n/a – not applicable

Electricity – industry: The displayed data corresponds to band IC (500 MWh < Consumption < 2 000 MWh).

Natural gas – industry: The displayed data corresponds to band I3 (10 000 GJ < Consumption < 100 000 GJ).

Other indirect taxes (Ostale dajatve)

Valid for 2020	Environmental CO ₂ tax	Compensation for Commodity Reserves	Contribution for RES and CHP	Contribution for energy efficiency	Contribution for electricity market operator
Heavy fuel oil (EUR/tonne)	n/a	n/a	n/a	n/a	n/a
Light fuel oil (EUR/1000 l)	46.71	11.66	9.90	8.00	n/a
Automotive diesel (EUR/l)	0.04671	0.01166	0.00990	0.00800	n/a
Gasoline (EUR/l)	0.03979	0.01222	0.00911	0.00736	n/a
Automotive LPG (EUR/l)	0.02865	n/a	0.00724	0.00584	n/a
Electricity - Households (EUR/MWh)	n/a	n/a	*	0.80000	0.13000
Electricity – Industry (EUR/MWh)	n/a	n/a	*	0.80000	0.13000
Natural gas - Households (EUR/MWh)	3.14514	n/a	0.99045	0.80000	n/a
Natural gas - Industry (EUR/MWh)	2.18225	n/a	0.78766	0.77350	n/a

Notes:

n/a – not applicable

* Contribution for RES and CHP for electricity for Households and Industry: Tariff depending on the electricity voltage level and the consumer group and is specified in EUR/kW/month.

Natural gas – Industry: The displayed data corresponds to band I3 (10 000 GJ < Consumption < 100 000 GJ).

Product specifications

Oil products

	Low sulphur fuel oil	Light fuel oil	Automotive diesel	Premium unleaded (98 RON) gasoline	Premium unleaded (95 RON) gasoline
Quality		Heating gasoil		Euro Super 98	Euro Super 95
Density (kg/l)			0.87	0.74	0.74
Sulphur content (%)	<1				
NCV (kcal/kg)			10 175	10 473	10 473

SPAIN

Table 1 - Average prices and taxes in euros

Low sulphur fuel oil for industry (per tonne)					High sulphur fuel oil for industry (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	313.4	15.1	-	15.1	328.4
2010	407.5	15.2	-	15.2	422.6
2011	509.1	15.4	-	15.4	524.5
2012	585.6	15.7	-	15.7	601.3
2013	543.0	16.4	-	16.4	559.3
2014	512.3	16.7	-	16.7	529.0
2015	328.7	16.6	-	16.6	345.3
2016	262.2	16.6	-	16.6	278.8
2017	346.7	16.6	-	16.6	363.3
2018	410.9	16.5	-	16.5	427.4
2019	417.8	17.0	-	17.0	434.8
3Q2019	421.6	17.0	-	17.0	438.6
4Q2019	423.3	17.0	-	17.0	440.3
1Q2020	443.1	17.0	-	17.0	460.1
2Q2020	259.6	17.0	-	17.0	276.6
3Q2020	277.9	17.0	-	17.0	294.9
Light fuel oil for industry (per 1000 litres)					Light fuel oil for households (per 1000 litres)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	391.3	85.9	-	85.9	477.2	391.3	85.9	76.4	162.3	553.5
2010	504.2	85.9	-	85.9	590.2	504.2	85.9	103.3	189.2	693.5
2011	643.6	85.8	-	85.8	729.4	643.6	85.8	131.3	217.1	860.7
2012	712.2	86.2	-	86.2	798.4	712.2	86.2	151.3	237.4	949.6
2013	666.1	87.3	-	87.3	753.4	666.1	87.3	158.2	245.6	911.7
2014	620.6	87.7	-	87.7	708.3	620.6	87.7	148.8	236.5	857.1
2015	461.2	87.6	-	87.6	548.8	461.2	87.6	115.3	202.9	664.1
2016	378.8	88.4	-	88.4	467.2	378.8	88.4	98.1	186.5	565.3
2017	451.8	89.2	-	89.2	541.0	451.8	89.2	113.6	202.8	654.6
2018	537.0	89.9	-	89.9	626.9	537.0	89.9	131.7	221.6	758.6
2019	540.3	96.7	-	96.7	637.0	540.3	96.7	133.8	230.5	770.7
3Q2019	543.7	96.7	-	96.7	640.5	543.7	96.7	134.5	231.2	774.9
4Q2019	540.8	96.7	-	96.7	637.5	540.8	96.7	133.9	230.6	771.3
1Q2020	485.8	96.7	-	96.7	582.5	485.8	96.7	122.3	219.0	704.9
2Q2020	311.3	96.7	-	96.7	408.0	311.3	96.7	85.7	182.4	493.7
3Q2020	357.5	96.7	-	96.7	454.2	357.5	96.7	95.4	192.1	549.6
Automotive diesel for commercial use (per litre)					Automotive diesel for non-commercial use (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.459	0.326	-	0.326	0.785	0.459	0.326	0.126	0.452	0.911
2010	0.578	0.341	-	0.341	0.918	0.578	0.341	0.157	0.497	1.075
2011	0.730	0.346	-	0.346	1.076	0.730	0.346	0.194	0.540	1.270
2012	0.786	0.362	-	0.362	1.147	0.786	0.361	0.218	0.579	1.365
2013	0.753	0.370	-	0.370	1.123	0.753	0.370	0.236	0.606	1.359
2014	0.709	0.371	-	0.371	1.080	0.709	0.371	0.227	0.598	1.306
2015	0.554	0.368	-	0.368	0.922	0.554	0.368	0.194	0.562	1.115
2016	0.470	0.368	-	0.368	0.838	0.470	0.368	0.176	0.544	1.014
2017	0.543	0.367	-	0.367	0.910	0.543	0.367	0.191	0.558	1.101
2018	0.627	0.367	-	0.367	0.995	0.627	0.367	0.209	0.576	1.204
2019	0.625	0.379	-	0.379	1.004	0.625	0.379	0.211	0.590	1.215
3Q2019	0.620	0.379	-	0.379	0.999	0.620	0.379	0.210	0.589	1.209
4Q2019	0.628	0.379	-	0.379	1.007	0.628	0.379	0.211	0.590	1.218
1Q2020	0.607	0.379	-	0.379	0.986	0.607	0.379	0.207	0.586	1.193
2Q2020	0.455	0.379	-	0.379	0.834	0.455	0.379	0.175	0.554	1.009
3Q2020	0.496	0.379	-	0.379	0.875	0.496	0.379	0.184	0.563	1.059

SPAIN

Table 2 - Average prices and taxes in euros

Premium unleaded (95 RON) gasoline (per litre)					Premium leaded/lead replacement gasoline (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.442	0.422	0.138	0.560	1.002	x	x	x	x	x
2010	0.556	0.439	0.169	0.608	1.165	x	x	x	x	x
2011	0.675	0.443	0.201	0.644	1.319	x	x	x	x	x
2012	0.740	0.457	0.227	0.684	1.424	x	x	x	x	x
2013	0.718	0.465	0.249	0.713	1.431	x	x	x	x	x
2014	0.681	0.465	0.241	0.706	1.387	x	x	x	x	x
2015	0.553	0.462	0.213	0.675	1.228	x	x	x	x	x
2016	0.489	0.462	0.200	0.662	1.151	x	x	x	x	x
2017	0.546	0.461	0.212	0.673	1.218	x	x	x	x	x
2018	0.604	0.461	0.224	0.685	1.290	x	x	x	x	x
2019	0.600	0.473	0.225	0.698	1.298	x	x	x	x	x
3Q2019	0.615	0.473	0.228	0.701	1.316	x	x	x	x	x
4Q2019	0.605	0.473	0.226	0.699	1.304	x	x	x	x	x
1Q2020	0.587	0.473	0.223	0.696	1.283	x	x	x	x	x
2Q2020	0.438	0.473	0.191	0.664	1.102	x	x	x	x	x
3Q2020	0.488	0.473	0.202	0.675	1.163	x	x	x	x	x
Automotive LPG for non-commercial use (per litre)					Natural gas for industry (per megawatt hour GCV)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.380	0.032	0.066	0.098	0.478	26.85	-	-	-	26.85
2010	0.482	0.032	0.087	0.119	0.602	25.35	-	-	-	25.35
2011	0.558	0.032	0.106	0.138	0.696	27.11	-	-	-	27.11
2012	0.596	0.032	0.119	0.151	0.747	34.21	-	-	-	34.21
2013	0.601	0.032	0.133	0.165	0.765	33.95	0.54	-	0.54	34.49
2014	0.583	0.032	0.129	0.161	0.744	32.96	0.54	-	0.54	33.50
2015	0.486	0.032	0.109	0.141	0.626	29.42	0.54	-	0.54	29.96
2016	0.460	0.032	0.103	0.135	0.595	23.35	0.54	-	0.54	23.89
2017	0.489	0.032	0.109	0.141	0.630	23.28	0.54	-	0.54	23.82
2018	0.530	0.032	0.118	0.150	0.680	25.03	0.54	-	0.54	25.57
2019	0.551	0.034	0.123	0.157	0.708	26.92	0.54	-	0.54	27.46
3Q2019	0.558	0.034	0.124	0.158	0.716	26.46	0.54	-	0.54	27.00
4Q2019	0.564	0.034	0.126	0.160	0.724	26.91	0.54	-	0.54	27.45
1Q2020	0.560	0.034	0.125	0.159	0.719	26.95	0.54	-	0.54	27.49
2Q2020	0.518	0.034	0.116	0.150	0.668	23.27	0.54	-	0.54	23.81
3Q2020	0.516	0.034	0.116	0.150	0.666
Natural gas for electricity generation (per megawatt hour GCV)					Natural gas for households (per megawatt hour GCV)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	49.40	-	7.90	7.90	57.30
2010	47.66	-	8.12	8.12	55.77
2011	54.37	-	9.79	9.79	64.16
2012	66.57	-	12.70	12.70	79.28
2013	67.19	2.34	14.60	16.94	84.14
2014	71.70	2.34	15.55	17.89	89.59
2015	70.91	2.34	15.38	17.72	88.63
2016	63.91	2.34	13.91	16.25	80.16
2017	66.34	2.34	14.42	16.76	83.10
2018	65.31	2.34	14.21	16.55	81.86
2019	71.98	2.34	15.61	17.95	89.93
3Q2019	94.07	2.34	20.25	22.59	116.65
4Q2019	74.85	2.34	16.21	18.55	93.39
1Q2020	55.67	2.34	12.18	14.52	70.19
2Q2020	61.16	2.34	13.33	15.67	76.83
3Q2020

SPAIN

Table 3 - Average prices and taxes in euros

Steam coal for industry (per tonne)					Steam coal for electricity generation (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
3Q2019
4Q2019
1Q2020
2Q2020
3Q2020
Steam coal for households (per tonne)					Coking coal for industry (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	c	c	c	c	c
2010	c	c	c	c	c
2011	c	c	c	c	c
2012	c	c	c	c	c
2013	c	c	c	c	c
2014	c	c	c	c	c
2015	c	c	c	c	c
2016	c	c	c	c	c
2017	c	c	c	c	c
2018	c	c	c	c	c
2019	c	c	c	c	c
3Q2019	c	c	c	c	c
4Q2019	c	c	c	c	c
1Q2020	c	c	c	c	c
2Q2020	c	c	c	c	c
3Q2020	c	c	c	c	c
Electricity for industry (per megawatt hour)					Electricity for households (per megawatt hour)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	95.2	4.7	-	4.7	99.9	135.7	6.8	22.2	29.1	164.7
2010	95.5	4.7	-	4.7	100.2	146.1	7.2	25.4	32.6	178.7
2011	97.0	4.8	-	4.8	101.8	164.9	8.2	30.7	39.0	203.9
2012	107.0	5.3	-	5.3	112.3	179.0	9.6	35.3	44.8	223.9
2013	102.0	5.6	-	5.6	107.6	182.7	10.7	27.5	38.2	220.9
2014	111.7	5.2	-	5.2	116.9	194.8	8.8	42.5	51.3	246.1
2015	109.4	4.2	-	4.2	113.6	198.7	10.1	44.1	54.2	252.9
2016	99.6	5.0	-	5.0	104.6	191.2	9.7	41.7	51.5	242.6
2017	97.5	5.0	-	5.0	102.5	202.8	10.4	44.8	55.1	258.0
2018	102.7	5.3	-	5.3	108.0	207.5	10.6	45.8	56.4	263.9
2019	104.3	5.3	-	5.3	109.6	202.1	10.3	44.6	54.9	257.0
3Q2019	101.0	5.2	-	5.2	106.1	202.0	10.3	44.6	54.9	257.0
4Q2019	101.0	5.2	-	5.2	106.1	202.0	10.3	44.6	54.9	257.0
1Q2020
2Q2020
3Q2020

SPAIN**Table 4 - Indices of energy prices**

	Oil products		Electricity		Natural gas		Coal	
	Wholesale	Retail 2015 = 100	Wholesale	Retail 2015 = 100	Wholesale	Retail 2015 = 100	Wholesale	Retail
1999	..	53.6	..	62.4	..	51.6
2000	..	64.2	..	60.9	..	55.0
2001	..	62.7	..	58.5	..	62.5
2002	..	63.0	..	58.3	..	61.1
2003	..	64.0	..	59.1	..	60.7
2004	..	68.8	..	60.0	..	60.4
2005	..	78.0	..	61.0	..	65.5
2006	..	83.5	..	64.0	..	77.9
2007	..	84.5	..	66.0	..	78.1
2008	..	96.1	..	70.4	..	88.1
2009	..	80.0	..	76.3	..	79.0
2010	..	93.9	..	80.0	..	80.9
2011	..	109.5	..	90.8	..	94.0
2012	..	118.6	..	99.0	..	103.9
2013	..	118.6	..	96.3	..	109.9
2014	..	114.7	..	100.5	..	110.8
2015	..	100.0	..	100.0	..	100.0
2016	..	92.2	..	90.2	..	89.4
2017	..	99.2	..	98.9	..	95.5
2018	..	107.6	..	101.4	..	100.2
2019	..	109.1	..	94.6	..	96.8
3Q2012	..	121.1	..	103.0	..	107.3
4Q2012	..	118.4	..	102.7	..	107.4
1Q2013	..	120.3	..	98.4	..	108.0
2Q2013	..	116.8	..	92.3	..	110.2
3Q2013	..	119.9	..	95.4	..	110.7
4Q2013	..	117.4	..	99.0	..	110.7
1Q2014	..	116.5	..	100.7	..	110.8
2Q2014	..	117.0	..	100.2	..	110.8
3Q2014	..	117.0	..	100.2	..	110.8
4Q2014	..	108.1	..	100.9	..	110.8
1Q2015	..	99.1	..	99.6	..	108.1
2Q2015	..	106.5	..	99.7	..	101.6
3Q2015	..	100.5	..	101.6	..	96.3
4Q2015	..	93.9	..	99.1	..	94.0
1Q2016	..	86.5	..	85.9	..	92.5
2Q2016	..	92.8	..	83.7	..	88.9
3Q2016	..	92.9	..	90.4	..	87.1
4Q2016	..	96.6	..	100.9	..	89.1
1Q2017	..	101.1	..	102.5	..	93.0
2Q2017	..	98.1	..	95.0	..	96.3
3Q2017	..	96.8	..	95.2	..	97.1
4Q2017	..	100.8	..	103.1	..	95.5
1Q2018	..	102.8	..	97.3	..	100.0
2Q2018	..	108.2	..	98.0	..	95.9
3Q2018	..	110.6	..	105.6	..	98.8
4Q2018	..	108.8	..	104.7	..	106.1
1Q2019	..	106.2	..	99.9	..	102.3
2Q2019	..	111.4	..	94.9	..	96.1
3Q2019	..	109.3	..	92.5	..	94.6
4Q2019	..	109.5	..	91.0	..	94.1
1Q2020	..	106.8	..	87.0	..	93.1
2Q2020	..	90.8	..	79.8	..	93.3
3Q2020

SPAIN

Sources

Prices and taxes data for oil products are derived from weekly data published in the **European Commission's Weekly Oil Bulletin**.

Prices and taxes data for natural gas and electricity are provided on a quarterly basis by the **Ministry for the Ecological Transition and the Demographic Challenge (the Ministry)**.

Retail energy price indices are based on data published by **Eurostat**.

Data collection methodology

From 1Q1993 onwards, prices refer to average of the weekly prices. From 1Q1986 to 4Q1992, prices refer to the second month of each quarter. Prior to 1Q1986, prices refer to the first month of each quarter.

Oil products

Oil product prices are derived from the European Commission's *Weekly Oil Bulletin*, which reports weekly ex-tax and total prices. Quarterly and annual figures are calculated as arithmetical averages of the weekly data.

Quarterly and annual figures are calculated as arithmetical averages of the weekly data. Total taxes are calculated by subtracting of the ex-tax prices from the end-use prices. Excise taxes for non-commercial users are calculated by subtracting VAT from the total taxes. For commercial users, excise taxes are equal to total taxes, as they are exempt from VAT.

Excise tax rates include both national and regional tax components (until 1 January 2019, when regional tax components were eliminated). Excise tax rates for automotive diesel do not consider the partial refunds granted to the professional transportation sector.

Natural gas

For industry and households, ex-tax prices are computed as consumption-weighted averages of the average prices reported by all natural gas distributors to the Ministry. Suppliers have the obligation to report data to the Ministry. Prices shown cover at least 95% of total consump-

tion in Spain. Total prices are calculated by adding the applicable tax components to the ex-tax prices.

For industry, prices refer to an annual consumption between 30 and 100 GWh (at a pressure between 4 and 60 bar).

For households, prices refer to an annual consumption between 5 000 and 50 000 kWh (at a pressure below 4 bar).

Electricity

For industry and households, annual electricity prices from 1979 to 2007 were provided by the relevant Ministry, known under different names during this period.

From 1Q2008 onwards, prices refer to the Eurostat consumption bands DA, DB, DC, DD and DE for households; and bands IA, IB, IC, ID, IE and IF, for industry, covering the whole consumption spectrum for households.

National average prices are computed by the Ministry as consumption-weighted averages of the average prices per band published by Eurostat. The weights used for this calculation are bi-annual consumption figures per band collected through surveys.

Eurostat data are bi-annual, therefore, prices for 1Q and 2Q are the same, as are those for 3Q and 4Q.

Excise taxes are calculated as the subtraction of the prices excluding taxes from the prices including non-VAT taxes, as published by Eurostat.

Energy price indices

Annual and quarterly indices are 12-month and 3-month averages, respectively, of the Harmonised Indices of Consumer Prices (HICP) published by Eurostat.

Retail indices for oil products refer to a consumption-weighted average of the *liquid fuels* (cp0453) and *fuels and lubricants for personal transport equipment* (cp0722) series. Relative weights used for the calculations are taken from the associated item weights series (pre_hicp_inw), published by Eurostat.

Retail indices for electricity refer to the *electricity* (cp0451) series.

Retail indices for natural gas refer to the *gas* (cp0452) series.

Energy taxation

VAT

VAT (*IVA*) applies to all energy products. The VAT is refunded for purchases for commercial purposes. There-

fore, it is not included in prices shown for the industry, electricity generation and automotive fuels for commercial use.

From	To	%
01.01.86	31.12.91	12
01.01.92	31.07.92	13
01.08.92	31.12.94	15
01.01.95	30.06.10	16
01.07.10	31.08.12	18
01.09.12	now	21

Excise tax

The legal framework for excise taxation on energy in place in Spain is consistent with the 2003 EU Energy Taxation Directive.

Tax applicability table (not exhaustive)

	HSFO	LFO	Diesel	Gasoline	LPG	Natural gas	Steam coal	Coking coal	Electricity
IEH	*	*	*	*	*	*			
IEC							*		
IEE									*

Special tax on hydrocarbons

(*Impuesto especial sobre hidrocarburos - IEH*)

The Special tax on hydrocarbons (IEH) consists of a series of indirect taxes set out in the Special Taxes Law (38/1992) and applies to oil products and natural gas. The IEH was introduced on 1 January 1993 as a national component and expanded in 2002 to include regional components. However, regional components have been abolished since 1 January 2019. Law establishes distinct tax rates for transportation and heating.

The national component applies to oil product and natural gas sales in the country, with the exception of the

Canary Islands and the autonomous cities of Ceuta and Melilla which have separate tax regimes. This component distinguishes between general uses and special uses, the sum of which is the applicable rate for most uses.

The professional transportation sector receives partial refunds on both national and regional tax components for diesel (Art. 52 bis). Fuels used for electricity generation are tax-free.

The rates are expressed on a volume basis for oil products and natural gas, with the exception of heavy fuel oil, for which rates are expressed on a mass basis. The tax rates shown in the table at the end of this section refer to the national component only and are the sum of the special and the general components.

Special tax on coal

(*Impuesto especial sobre el carbón - IEC*)

An excise tax on coal consumption has been in place in Spain since 20 November 2005, through an amendment to the Special Taxes Law (Art. 75 through 88).

Residential use, as well as industrial use for chemical reductions, electrolytic and metallurgical processes, is exempt from this tax. Coking coal is therefore tax-free in Spain.

Tax rates are expressed on an energy content basis (GJ). Since 20 November 2015, the applicable tax rate for coal consumption in the industrial sector has been 0.15 EUR/GJ.

Special tax on electricity

(*Impuesto especial sobre la electricidad - IEE*)

The Special tax on electricity (IEE), an *ad-valorem* tax, has been in place since 1 January 1998. In contrast with other taxes detailed in the Special Taxes Law, the special tax on electricity applies in the whole country, including the Canary Islands, Ceuta and Melilla. The IEE rate is set at 5.1127% (Art 99.1).

Additionally, the law sets a minimum rate of 0.5 EUR/MWh and 1 EUR/MWh for industrial and residential use, respectively, to be applied if the total tax calculated as a percentage of the price, was lower.

Special tax on hydrocarbons (*Impuesto especial sobre hidrocarburos – IEH*)

From	To	Heavy fuel oil (EUR/tonne)	Light fuel oil (EUR/1000l)	Automotive diesel (EUR/l)	Gasoline 95 RON (EUR/l)	Automotive LPG (EUR/l)	Natural Gas households (EUR/MWh)	Natural Gas industry (EUR/MWh)
03.10.99	31.12.02	13.43	144.5	0.270	0.372	0.0322	0	0
01.01.03	17.01.07	13.43	78.71	0.270	0.372	0.0322	0	0
18.01.07	12.06.09	14	78.71	0.278	0.372	0.0322	0	0
13.06.09	31.12.12	14	78.71	0.307	0.401	0.0322	0	0
01.01.13	31.12.18	15	78.71	0.331	0.424	0.0322	2.34	0.54
01.01.19	now	17	96.71	0.379	0.473	0.0342	2.34	0.54

Special tax on coal (*Impuesto especial sobre el carbón - IEC*)

From	To	Coal (EUR/GJ)
20.11.05	now	0.15

Special tax on electricity (*Impuesto especial sobre la electricidad - IEE*)

From	To	Electricity %
01.01.98	now	5.1127

Product specifications

Oil products

	High sulphur fuel oil	Low sulphur fuel oil	Light fuel oil	Automotive diesel
Quality	Fuel oil no. 2		Gasoleo C	Gasoleo A
Density (kg/l)			0.855	0.87
Sulphur content (%)	<3.5	<1		
NCV (kcal/kg)	9 400			10 175

Natural gas and coal

	Natural gas	Steam coal <i>industry</i>
Quality		Standard coal PA
Ash content (%)		6
Moisture content (%)		14
Sulphur content (%)		0.8
GCV (kcal/m ³)	10 204	

SWEDEN**Table 1 - Average prices and taxes in Swedish kronor**

Low sulphur fuel oil for industry (per tonne)					Heavy fuel oil for electricity generation (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	3 397	4 133	-	4 133	7 530
2010	4 191	4 133	-	4 133	8 324
2011	5 188	4 133	-	4 133	9 321
2012	5 429	4 284	-	4 284	9 713
2013	5 013	4 274	-	4 274	9 287
2014	4 761	4 268	-	4 268	9 029
2015	3 358	4 268	-	4 268	7 626
2016	2 722	4 395	-	4 395	7 117
2017	3 470	4 397	-	4 397	7 867
2018	4 249	4 576	-	4 576	8 825
2019	4 757	4 301	-	4 301	9 058
3Q2019	4 736	4 247	-	4 247	8 983
4Q2019	5 006	4 247	-	4 247	9 253
1Q2020	4 620	4 328	-	4 328	8 947
2Q2020	2 770	4 385	-	4 385	7 155
3Q2020	3 344	4 385	-	4 385	7 729
Light fuel oil for industry (per 1000 litres)					Light fuel oil for households (per 1000 litres)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	3 672	631	-	631	4 303	4 545	3 804	2 087	5 891	10 437
2010	4 445	633	-	633	5 077	5 343	3 804	2 287	6 091	11 434
2011	5 486	1 144	-	1 144	6 630	6 511	3 814	2 581	6 395	12 906
2012	5 868	1 176	-	1 176	7 044	7 087	3 919	2 751	6 670	13 757
2013	5 512	1 173	-	1 173	6 685	6 755	3 910	2 666	6 576	13 331
2014	5 299	1 171	-	1 171	6 471
2015	3 933	2 186	-	2 186	6 119
2016	3 280	2 817	-	2 817	6 097
2017	4 062	2 846	-	2 846	6 908
2018	5 263	3 553	-	3 553	8 815
2019	5 490	3 626	-	3 626	9 116
3Q2019	5 448	3 626	-	3 626	9 074
4Q2019	5 916	3 626	-	3 626	9 543
1Q2020	4 895	3 691	-	3 691	8 585
2Q2020	2 969	3 691	-	3 691	6 660
3Q2020
Automotive diesel for commercial use (per litre)					Automotive diesel for non-commercial use (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	4.888	4.339	-	4.339	9.227	4.888	4.339	2.307	6.646	11.534
2010	5.643	4.335	-	4.335	9.978	5.643	4.335	2.495	6.830	12.473
2011	6.894	4.314	-	4.314	11.208	6.894	4.314	2.802	7.116	14.010
2012	7.335	4.433	-	4.433	11.768	7.335	4.433	2.942	7.375	14.710
2013	7.013	4.625	-	4.625	11.638	7.013	4.625	2.910	7.535	14.548
2014	6.897	4.619	-	4.619	11.516	6.897	4.619	2.879	7.498	14.395
2015	5.746	4.883	-	4.883	10.629	5.746	4.883	2.657	7.540	13.286
2016	5.250	5.389	-	5.389	10.639	5.250	5.389	2.660	8.049	13.299
2017	5.851	5.555	-	5.555	11.406	5.851	5.555	2.852	8.407	14.258
2018	7.324	5.154	-	5.154	12.478	7.324	5.154	3.120	8.274	15.598
2019	7.832	4.671	-	4.671	12.503	7.832	4.671	3.126	7.797	15.629
3Q2019	7.848	4.625	-	4.625	12.473	7.848	4.625	3.118	7.743	15.591
4Q2019	8.003	4.625	-	4.625	12.628	8.003	4.625	3.157	7.782	15.785
1Q2020	7.649	4.707	-	4.707	12.356	7.649	4.707	3.089	7.796	15.445
2Q2020	6.215	4.707	-	4.707	10.922	6.215	4.707	2.731	7.438	13.653
3Q2020

SWEDEN**Table 2 - Average prices and taxes in Swedish kronor**

Premium unleaded (98 RON) gasoline (per litre)						Premium unleaded (95 RON) gasoline (per litre)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	4.526	5.520	2.512	8.032	12.558	4.237	5.520	2.439	7.959	12.196
2010	5.191	5.500	2.673	8.173	13.364	4.925	5.500	2.606	8.106	13.031
2011	6.072	5.500	2.893	8.393	14.465	5.957	5.225	2.796	8.021	13.978
2012	6.714	5.650	3.091	8.741	15.455	6.509	5.368	2.969	8.337	14.846
2013	6.361	5.630	2.998	8.628	14.989	6.125	5.364	2.872	8.236	14.361
2014	6.279	5.630	2.977	8.607	14.886	5.989	5.366	2.839	8.205	14.194
2015	5.368	5.850	2.805	8.655	14.023	5.004	5.575	2.645	8.220	13.224
2016	4.774	6.310	2.771	9.081	13.855	4.392	6.015	2.602	8.617	13.009
2017	5.344	6.500	2.961	9.461	14.805	4.973	6.198	2.793	8.991	13.964
2018	6.441	6.590	3.258	9.848	16.289	5.854	6.449	3.076	9.525	15.379
2019	6.695	6.635	3.333	9.968	16.663	6.016	6.635	3.163	9.798	15.814
3Q2019	6.726	6.570	3.324	9.894	16.620	6.065	6.570	3.159	9.729	15.794
4Q2019	6.638	6.570	3.302	9.872	16.510	5.977	6.570	3.137	9.707	15.684
1Q2020	5.946	6.690	3.159	9.849	15.795	5.351	6.690	3.010	9.700	15.051
2Q2020	4.714	6.690	2.851	9.541	14.255	3.994	6.690	2.671	9.361	13.355
3Q2020
Premium leaded/lead replacement gasoline (per litre)						Natural gas for industry (per megawatt hour GCV)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	x	x	x	x	x	314.5	60.2	-	60.2	374.7
2010	x	x	x	x	x	343.4	60.1	-	60.1	403.4
2011	x	x	x	x	x	361.5	77.5	-	77.5	439.0
2012	x	x	x	x	x	344.8	83.8	-	83.8	428.6
2013	x	x	x	x	x	336.0	79.5	-	79.5	415.5
2014	x	x	x	x	x	297.6	79.2	-	79.2	376.8
2015	x	x	x	x	x	292.1	82.4	-	82.4	374.5
2016	x	x	x	x	x	247.6	82.0	-	82.0	329.6
2017	x	x	x	x	x	265.7	82.8	-	82.8	348.5
2018	x	x	x	x	x	351.2	84.3	-	84.3	435.5
2019	x	x	x	x	x	256.0	85.9	-	85.9	341.8
3Q2019	x	x	x	x	x	244.2	86.1	-	86.1	330.3
4Q2019	x	x	x	x	x	244.2	86.1	-	86.1	330.3
1Q2020	x	x	x	x	x
2Q2020	x	x	x	x	x
3Q2020	x	x	x	x	x
Natural gas for electricity generation (per megawatt hour GCV)						Natural gas for households (per megawatt hour GCV)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	563.6	206.6	192.6	399.2	962.8
2010	581.0	206.8	196.9	403.7	984.6
2011	590.7	258.3	212.3	470.6	1 061.3
2012	570.2	279.5	212.4	491.9	1 062.0
2013	583.2	264.9	212.1	477.0	1 060.2
2014	580.8	264.1	211.2	475.3	1 056.1
2015	587.7	274.4	215.6	490.0	1 077.7
2016	586.4	273.8	215.1	488.9	1 075.2
2017	624.8	276.2	225.3	501.4	1 126.2
2018	694.2	280.8	243.7	524.6	1 218.7
2019	708.7	286.6	248.9	535.5	1 244.2
3Q2019	708.7	286.6	248.9	535.5	1 244.2
4Q2019	708.7	286.6	248.9	535.5	1 244.2
1Q2020
2Q2020
3Q2020

SWEDEN**Table 3 - Average prices and taxes in Swedish kronor**

Steam coal for industry (per tonne)						Steam coal for electricity generation (per tonne)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009
2010
2011
2012
2013	c	c	c	c	c	c	c	c	c	c
2014	c	c	c	c	c	c	c	c	c	c
2015	c	c	c	c	c	c	c	c	c	c
2016	c	c	c	c	c	c	c	c	c	c
2017	c	c	c	c	c	c	c	c	c	c
2018	c	c	c	c	c	c	c	c	c	c
2019	c	c	c	c	c	c	c	c	c	c
3Q2019	c	c	c	c	c	c	c	c	c	c
4Q2019	c	c	c	c	c	c	c	c	c	c
1Q2020	c	c	c	c	c	c	c	c	c	c
2Q2020	c	c	c	c	c	c	c	c	c	c
3Q2020	c	c	c	c	c	c	c	c	c	c
Steam coal for households (per tonne)						Coking coal for industry (per tonne)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	x	x	x	x	x
2010	x	x	x	x	x
2011	x	x	x	x	x
2012	x	x	x	x	x
2013	x	x	x	x	x	c	c	c	c	c
2014	x	x	x	x	x	c	c	c	c	c
2015	x	x	x	x	x	c	c	c	c	c
2016	x	x	x	x	x	c	c	c	c	c
2017	x	x	x	x	x	c	c	c	c	c
2018	x	x	x	x	x	c	c	c	c	c
2019	x	x	x	x	x	c	c	c	c	c
3Q2019	x	x	x	x	x	c	c	c	c	c
4Q2019	x	x	x	x	x	c	c	c	c	c
1Q2020	x	x	x	x	x	c	c	c	c	c
2Q2020	x	x	x	x	x	c	c	c	c	c
3Q2020	x	x	x	x	x	c	c	c	c	c
Electricity for industry (per megawatt hour)						Electricity for households (per megawatt hour)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	628	5	-	5	633	920	265	300	565	1 485
2010	689	5	-	5	694	990	270	310	580	1 570
2011	670	5	-	5	675	1 018	270	321	591	1 609
2012	599	5	-	5	604	938	274	303	578	1 516
2013	584	5	-	5	589	942	276	304	580	1 522
2014	556	5	-	5	561	900	277	294	572	1 471
2015	491	5	-	5	496	872	278	288	566	1 438
2016	510	5	-	5	515	915	277	298	575	1 490
2017	529	5	-	5	534	940	280	305	585	1 524
2018	565	41	-	41	606	1 047	316	341	656	1 703
2019	626	41	-	41	667	1 109	368	369	737	1 845
3Q2019	594	41	-	41	634	1 136	368	376	744	1 880
4Q2019	594	41	-	41	634	1 136	368	376	744	1 880
1Q2020
2Q2020
3Q2020

SWEDEN**Table 4 - Indices of energy prices**

	Oil products		Electricity		Natural gas		Coal	
	Wholesale 2000 = 100	Retail 2000 = 100	Wholesale 2000 = 100	Retail 2000 = 100	Wholesale	Retail 2015 = 100	Wholesale 2000 = 100	Retail
1999	65.2	76.5	..	101.7	..	32.8	91.5	..
2000	100.0	100.0	..	100.0	..	32.8	100.0	..
2001	106.0	113.0	..	114.3	..	34.2	129.4	..
2002	101.2	111.7	..	121.6	..	37.3	117.9	..
2003	101.2	122.4	..	151.1	..	40.3	108.9	..
2004	113.3	134.4	..	150.8	..	42.4	124.0	..
2005	138.8	163.9	..	148.6	..	43.6	160.4	..
2006	155.4	171.1	..	169.1	..	44.8	169.5	..
2007	155.3	176.3	..	167.4	..	46.7	151.6	..
2008	182.3	216.5	..	186.9	..	48.5	253.0	..
2009	150.2	182.4	..	189.7	..	61.5	250.5	..
2010	173.2	207.4	..	199.2	..	64.7	229.1	..
2011	205.9	234.3	..	202.9	..	68.0	234.3	..
2012	224.6	246.3	..	191.9	..	92.0
2013	..	237.3	..	190.4	..	99.2
2014	..	234.2	..	183.7	..	99.7
2015	..	212.5	..	176.2	..	100.0
2016	..	196.8	..	182.6	..	100.2
2017	..	213.8	..	192.0	..	100.7
2018	..	243.4	..	215.9	..	102.0
2019	..	250.9	..	222.8	..	103.7
3Q2012	226.0	244.8	..	185.4	..	96.6
4Q2012	219.7	243.6	..	191.1	..	97.2
1Q2013	..	239.6	..	193.5	..	99.1
2Q2013	..	232.0	..	189.0	..	99.1
3Q2013	..	239.5	..	189.6	..	99.1
4Q2013	..	238.0	..	189.6	..	99.3
1Q2014	..	236.0	..	185.5	..	99.5
2Q2014	..	236.1	..	183.3	..	99.7
3Q2014	..	239.5	..	183.6	..	99.7
4Q2014	..	225.3	..	182.5	..	99.7
1Q2015	..	214.7	..	182.2	..	100.0
2Q2015	..	224.5	..	175.4	..	100.0
3Q2015	..	210.1	..	171.0	..	100.0
4Q2015	..	200.5	..	176.0	..	100.1
1Q2016	..	183.9	..	179.4	..	100.2
2Q2016	..	193.9	..	178.2	..	100.2
3Q2016	..	199.2	..	182.5	..	100.2
4Q2016	..	210.3	..	190.3	..	100.2
1Q2017	..	216.8	..	190.5	..	100.7
2Q2017	..	209.5	..	185.8	..	100.7
3Q2017	..	207.6	..	195.6	..	100.7
4Q2017	..	221.3	..	196.1	..	100.9
1Q2018	..	226.7	..	206.5	..	101.2
2Q2018	..	244.5	..	206.7	..	101.2
3Q2018	..	248.7	..	223.8	..	102.8
4Q2018	..	253.5	..	226.5	..	102.8
1Q2019	..	248.2	..	230.6	..	103.7
2Q2019	..	252.5	..	216.0	..	103.7
3Q2019	..	250.7	..	219.8	..	103.7
4Q2019	..	252.3	..	224.6	..	103.7
1Q2020	..	241.7	..	201.6	..	104.0
2Q2020	..	206.9	..	190.2	..	104.0
3Q2020

SWEDEN

Sources

Prices and taxes for road fuels and light fuel oil, as well as all energy price indices except for natural gas, are provided on a quarterly basis by **Statistics Sweden**.

Prices and taxes data for low sulphur fuel oil are derived from weekly data published in the **European Commission's Weekly Oil Bulletin**.

Prices and taxes data for natural gas and electricity, as well as energy price indices for natural gas, are derived from data extracted from the **Eurostat** website.

Data collection methodology

From 1Q1994 onwards, quarterly prices refer to quarterly averages. From 1Q1984 to 4Q1993 prices refer to the second month of each quarter. Prior to 1Q1984, prices refer to the first month of each quarter.

Oil products

For automotive diesel, unleaded premium (95 and 98 RON) gasoline and light fuel oil, prices are derived from a survey of companies that report ex-tax prices, prices including energy taxes and sales volumes.

Average prices are then calculated as volume-weighted averages of the reported prices.

For low sulphur fuel oil, prices are derived from the European Commission's *Weekly Oil Bulletin*, which reports weekly ex-tax and total prices. Quarterly and annual figures are calculated as arithmetical averages of the weekly data. Total taxes are calculated by subtracting the ex-tax prices from the end-use prices. Excise taxes are equal to total taxes, as industry does not pay VAT.

Natural gas

Prices refer to the Eurostat consumption band D2 for households (annual consumption: 20 - 200 GJ) and I4 for industry (annual consumption: 100 000 - 1 000 000 GJ). Eurostat data are bi-annual, therefore, prices for 1Q and 2Q are the same, as are those for 3Q and 4Q.

Coal

Coal prices for industry are confidential from 2013 onwards.

Electricity

From 1Q2007 onwards, prices refer to the Eurostat consumption band DD for households (annual consumption: 5 000 – 15 000 kWh) and ID for industry (annual consumption: 2 000 – 20 000 MWh). Data are bi-annual, therefore, prices for 1Q and 2Q are the same, as are those for 3Q and 4Q. No information is available from 1998 to 2006.

Prior to 1998, prices refer to annual average ex-tax revenues per MWh of all public utilities from total deliveries to manufacturing industry, mining, and quarrying (industry), and from low-voltage deliveries to households and commerce (households).

Energy price indices

Annual indices are 12-month averages. Quarterly indices refer to the 3-month average.

The wholesale index for oil products refers to the Producer Price Index for petroleum products (domestic supply). The retail index refers to a consumption-weighted average of the consumer price indices for gasoline and heating oil (light fuel oil).

The retail price index for natural gas refers to the Eurostat Harmonised Index of Consumer Prices for gas (cp0452).

Energy taxation

VAT

VAT (*Moms*) applies to all energy products. VAT is refunded for purchases for commercial purposes. Therefore, it is not included in prices shown for the industrial and electricity generation sectors, as well as for automotive fuels for commercial use.

From	To	%
01.03.90	30.06.90	23.46
01.07.90	now	25.00

Excise tax

Excise taxation on energy consists of three different tax components, based on the energy, CO₂ and sulphur contents of each product, as established by the Energy Tax Act (1994:1776), which came into force on 1 January 1995.

The legal framework is consistent with the 2003 EU Energy Taxation Directive.

Tax applicability table (not exhaustive)

	HSFO	LFO	Diesel	Gasoline	LPG	Natural gas	Steam coal	Coking coal	Electricity
Energy tax	x	x	x	x	x	x	x	x	x
CO ₂ tax	x	x	x	x	x	x	x	x	
Sulphur tax	x	x	x	x	x		x	x	

Energy tax (*Energiskatt*)

The Energy tax is paid on transportation fuels, fuel oil, natural gas, steaming and coking coal, electricity and certain liquid biofuels.

Compressed natural gas (CNG) for transportation is exempt.

Electricity used in manufacturing processes and greenhouses is taxed at a reduced rate. Electricity used for chemical reductions and electrolytic processes is tax-free.

Certain northern municipalities are subject to a reduced energy tax rate on electricity to compensate for increased electricity needs. All municipalities in Jämtland, Norrbotten, Västerbotten counties, as well as certain municipalities in Dalarna, Gävleborg, Värmland and Västernorrland counties, benefit from reduced rates. The

tax rates shown for electricity at the end of this section refer to the general rates applicable in all other regions.

Liquid fuels containing a fraction of biofuels are taxed at a lower rate. Since 1 July 2018, the tax reduction on the biofuel fraction in gasoline and automotive diesel was removed.

CO₂ tax (*Koldioxidsskatt*)

The CO₂ tax applies to all energy products except electricity.

The CO₂ tax is paid per emission of one kilo of carbon dioxide on all fuels except biomass and peat. Industrial users who are a part of the European Trading System (ETS) for CO₂ emissions are exempt.

Sulphur tax (*Svavelskatt*)

An additional tax component, proportional to a fuel's sulphur content, is levied on oil products and solid fuels, with differentiated rates.

For oil products, a flat rate of 27 SEK per 0.1% of sulphur content (in mass, rounded upwards), has been in place since 1 January 1991. From this date until 31 December 2001, oil products with less than 0.1% sulphur, were exempt. The threshold was lowered to 0.05% on 1 January 2002.

Solid fuels are taxed at a flat rate of 30 SEK per kilogramme of sulphur in a tonne of fuel.

Energy tax (*Energiskatt*)

From	To	Automotive diesel (SEK/l)	Gasoline (SEK/l)	Natural gas (SEK/Mm ³)	Coal (SEK/tonne)	Electricity (SEK/MWh)
01.01.00	31.12.00	1.864		241	316	162
01.01.01	31.12.01	1.512	3.26	223	293	181
01.01.02	31.12.02	1.323	3.16	229	301	198
01.01.03	31.12.03	1.004	2.94	233	307	227
01.01.04	31.12.04	0.733	2.68	237	312	241
01.01.05	31.12.05	1.036	2.84	238	313	254
01.01.06	31.12.06	1.042	2.86	239	315	261
01.01.07	31.12.07	1.057	2.90	243	319	265
01.01.08	31.12.08	1.277	2.95	247	325	270
01.01.09	31.12.09	1.332	3.08	258	339	282
01.01.10	31.12.10	1.322	3.06	256	336	280
01.01.11	31.12.11	1.524	3.06	880	605	283
01.01.12	31.12.12	1.566	3.14	904	622	290
01.01.13	31.12.13	1.762	3.13	903	621	293
01.01.14	31.12.14	1.759	3.13	902	620	293
01.01.15	31.12.15	1.833	3.25	939	646	294
01.01.16	31.12.16	2.355	3.72	935	643	292
01.01.17	31.12.17	2.490	3.88	945	650	295
01.01.18	30.06.18	2.648	4.08	961	661	331
01.07.18	31.12.18	2.341	3.87	961	661	331
01.01.19	30.06.19	2.480	4.08	981	675	347
01.07.19	31.12.19	2.389	3.95	981	675	347

From	To	Automotive diesel (SEK/l)	Gasoline (SEK/l)	Natural gas (SEK/Mm ³)	Coal (SEK/tonne)	Electricity (SEK/MWh)
01.01.20	Now	2.461	4.10	998	687	353

CO₂ tax (Koldioxidsskatt)

From	To	Automotive diesel (SEK/l)	Gasoline (SEK/l)	Natural gas (SEK/Mm ³)	Coal (SEK/tonne)
01.01.00	31.12.00	1.058	0.86	792	920
01.01.01	31.12.01	1.527	1.24	1144	1329
01.01.02	31.12.02	1.798	1.46	1346	1564
01.01.03	31.12.03	2.174	1.77	1628	1892
01.01.04	31.12.04	2.598	2.11	1946	2260
01.01.05	31.12.05	2.609	2.12	1954	2270
01.01.06	31.12.06	2.623	2.13	1965	2282
01.01.07	31.12.07	2.663	2.16	1994	2317
01.01.08	31.12.08	2.883	2.34	2159	2509
01.01.09	31.12.09	3.007	2.44	2252	2617
01.01.10	31.12.10	3.013	2.44	2256	2622
01.01.11	31.12.11	3.017	2.44	2259	2625
01.01.12	31.12.12	3.100	2.51	2321	2697
01.01.13	31.12.13	3.093	2.50	2316	2691
01.01.14	31.12.14	3.088	2.50	2313	2687
01.01.15	31.12.15	3.218	2.60	2409	2800
01.01.16	31.12.16	3.204	2.59	2399	2788
01.01.17	31.12.18	3.237	2.62	2424	2817
01.01.18	30.06.18	3.292	2.66	2645	2865
01.07.18	31.12.18	2.191	2.57	2465	2865
01.01.19	31.12.19	2.236	2.62	2516	2924
01.01.20	Now	2.246	2.59	2561	2976

Product specifications

	Low sulphur fuel oil	Light fuel oil	Premium unleaded (98 RON) gasoline	Premium unleaded (95 RON) gasoline
Quality	No. 5 heavy Fuel Oil	Eldningsolja 1	Bensin 98 oktan, blyfri	Bensin 95 oktan, blyfri
Density (kg/l)	0.94	0.845		
Sulphur content (%)	<0.3	<0.2		

SWITZERLAND**Table 1 - Average prices and taxes in Swiss francs**

Low sulphur fuel oil for industry (per tonne)					Heavy fuel oil for electricity generation (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	446.4	41.6	-	41.6	488.0
2010	530.1	118.9	-	118.9	649.0
2011	622.9	118.9	-	118.9	741.8
2012	669.1	118.9	-	118.9	788.0
2013	620.1	118.9	-	118.9	739.0
2014	..	190.0	-	190.0
2015	..	190.0	-	190.0
2016	..	266.0	-	266.0
2017	..	266.0	-	266.0
2018	..	304.0	-	304.0
2019	..	304.0	-	304.0
3Q2019	..	304.0	-	304.0
4Q2019	..	304.0	-	304.0
1Q2020	..	304.0	-	304.0
2Q2020	..	304.0	-	304.0
3Q2020
Light fuel oil for industry (per 1000 litres)					Light fuel oil for households (per 1000 litres)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	535.8	34.4	-	34.4	570.2	605.9	34.4	48.7	83.1	688.9
2010	634.4	99.6	-	99.6	734.0	694.2	99.6	60.3	159.9	854.1
2011	752.6	99.6	-	99.6	852.2	808.2	99.6	72.6	172.2	980.4
2012	809.6	99.6	-	99.6	909.2	862.5	99.6	77.0	176.6	1 039.0
2013	776.2	99.7	-	99.7	875.9	830.5	99.7	74.4	174.1	1 004.6
2014	719.5	163.2	-	163.2	882.7	753.5	163.2	73.3	236.5	990.0
2015	483.4	163.2	-	163.2	646.6	524.0	163.2	55.0	218.2	742.2
2016	379.0	226.8	-	226.8	605.8	421.1	226.8	51.8	278.6	699.7
2017	454.8	226.8	-	226.8	681.6	504.0	226.8	58.5	285.3	789.2
2018	594.3	259.2	-	259.2	853.5	636.5	259.2	69.0	328.2	964.6
2019	546.6	259.2	-	259.2	805.8	581.4	259.2	64.7	323.9	905.3
3Q2019	542.1	259.2	-	259.2	801.3	582.2	259.2	64.8	324.0	906.2
4Q2019	539.1	259.2	-	259.2	798.3	568.6	259.2	63.7	322.9	891.5
1Q2020	476.1	259.2	-	259.2	735.3	492.1	259.2	57.8	317.0	809.1
2Q2020	284.1	259.2	-	259.2	543.3	350.5	259.2	47.0	306.2	656.7
3Q2020
Automotive diesel for commercial use (per litre)					Automotive diesel for non-commercial use (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.584	0.774	-	0.774	1.358	0.710	0.774	0.113	0.887	1.597
2010	0.685	0.774	-	0.774	1.459	0.826	0.774	0.121	0.895	1.721
2011	0.793	0.774	-	0.774	1.567	0.951	0.774	0.138	0.912	1.863
2012	0.851	0.774	-	0.774	1.625	1.016	0.774	0.143	0.917	1.933
2013	0.806	0.774	-	0.774	1.580	0.977	0.774	0.140	0.914	1.891
2014	0.722	0.778	-	0.778	1.500	0.905	0.778	0.135	0.913	1.818
2015	0.482	0.778	-	0.778	1.260	0.660	0.778	0.115	0.893	1.553
2016	0.368	0.782	-	0.782	1.150	0.562	0.782	0.108	0.890	1.452
2017	0.455	0.782	-	0.782	1.237	0.684	0.782	0.117	0.899	1.583
2018	0.599	0.782	-	0.782	1.381	0.843	0.775	0.125	0.900	1.743
2019	0.548	0.782	-	0.782	1.330	0.837	0.782	0.125	0.907	1.743
3Q2019	0.540	0.782	-	0.782	1.322	0.818	0.782	0.123	0.905	1.723
4Q2019	0.540	0.782	-	0.782	1.322	0.824	0.782	0.124	0.906	1.730
1Q2020	0.543	0.782	-	0.782	1.325	0.759	0.782	0.119	0.901	1.660
2Q2020	0.281	0.782	-	0.782	1.063	0.611	0.782	0.107	0.889	1.500
3Q2020

SWITZERLAND**Table 2 - Average prices and taxes in Swiss francs**

Premium unleaded (98 RON) gasoline (per litre)						Premium unleaded (95 RON) gasoline (per litre)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.700	0.749	0.110	0.859	1.559	0.651	0.749	0.107	0.856	1.507
2010	0.828	0.742	0.119	0.861	1.689	0.779	0.742	0.116	0.858	1.637
2011	0.915	0.735	0.133	0.868	1.783	0.869	0.735	0.129	0.864	1.732
2012	0.983	0.735	0.138	0.873	1.856	0.939	0.735	0.134	0.869	1.808
2013	0.959	0.735	0.136	0.871	1.829	0.907	0.735	0.131	0.866	1.773
2014	0.896	0.750	0.132	0.882	1.778	0.844	0.750	0.128	0.878	1.722
2015	0.690	0.750	0.115	0.865	1.556	0.628	0.750	0.110	0.860	1.489
2016	0.616	0.754	0.110	0.864	1.480	0.554	0.754	0.105	0.859	1.413
2017	0.721	0.754	0.118	0.872	1.593	0.642	0.754	0.112	0.866	1.508
2018	0.844	0.754	0.123	0.877	1.721	0.762	0.754	0.117	0.871	1.633
2019	0.814	0.754	0.121	0.875	1.688	0.728	0.754	0.114	0.868	1.596
3Q2019	0.837	0.754	0.122	0.876	1.713	0.753	0.754	0.116	0.870	1.623
4Q2019	0.797	0.754	0.119	0.873	1.670	0.713	0.754	0.113	0.867	1.580
1Q2020	0.769	0.754	0.117	0.871	1.640	0.676	0.754	0.110	0.864	1.540
2Q2020	0.629	0.754	0.107	0.861	1.490	0.537	0.754	0.099	0.853	1.390
3Q2020
Premium leaded/lead replacement gasoline (per litre)						Natural gas for industry (per megawatt hour GCV)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	x	x	x	x	x	63.15	2.62	-	2.62	65.77
2010	x	x	x	x	x	52.56	6.79	-	6.79	59.35
2011	x	x	x	x	x	57.51	6.81	-	6.81	64.33
2012	x	x	x	x	x	60.45	6.75	-	6.75	67.23
2013	x	x	x	x	x	60.23	6.74	-	6.74	66.97
2014	x	x	x	x	x	56.22	11.08	-	11.08	67.30
2015	x	x	x	x	x	52.21	11.08	-	11.08	63.29
2016	x	x	x	x	x	45.40	15.53	-	15.53	60.93
2017	x	x	x	x	x	44.20	15.53	-	15.53	59.73
2018	x	x	x	x	x	46.50	17.75	-	17.75	64.25
2019	x	x	x	x	x	48.58	17.75	-	17.75	66.33
3Q2019	x	x	x	x	x	48.95	17.75	-	17.75	66.70
4Q2019	x	x	x	x	x	46.55	17.75	-	17.75	64.30
1Q2020	x	x	x	x	x	44.55	17.75	-	17.75	62.30
2Q2020	x	x	x	x	x	43.95	17.75	-	17.75	61.70
3Q2020	x	x	x	x	x
Natural gas for electricity generation (per megawatt hour GCV)						Natural gas for households (per megawatt hour GCV)				
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	86.47	2.62	6.77	9.39	95.87
2010	77.85	6.79	6.43	13.22	91.08
2011	81.44	6.81	7.06	13.87	95.31
2012	85.94	6.75	7.41	14.16	100.10
2013	86.27	6.74	7.44	14.18	100.45
2014	84.36	11.08	7.64	18.71	103.08
2015	78.50	11.08	7.17	18.25	96.75
2016	73.55	15.53	7.13	22.66	96.21
2017	70.97	15.53	6.92	22.45	93.43
2018	73.71	17.75	7.04	24.79	98.50
2019	77.28	17.75	7.32	25.07	102.35
3Q2019	77.61	17.75	7.34	25.09	102.70
4Q2019	75.47	17.75	7.18	24.93	100.40
1Q2020	73.15	17.75	7.00	24.75	97.90
2Q2020	72.13	17.75	6.92	24.67	96.80
3Q2020

SWITZERLAND**Table 3 - Average prices and taxes in Swiss francs**

Steam coal for industry (per tonne)					Steam coal for electricity generation (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	149.8	-	-	-	149.8	x	x	x	x	x
2010	162.0	-	-	-	162.0	x	x	x	x	x
2011	178.0	-	-	-	178.0	x	x	x	x	x
2012	143.0	-	-	-	143.0	x	x	x	x	x
2013	114.5	-	-	-	114.5	x	x	x	x	x
2014	102.8	-	-	-	102.8	x	x	x	x	x
2015	95.0	-	-	-	95.0	x	x	x	x	x
2016	89.5	-	-	-	89.5	x	x	x	x	x
2017	95.1	-	-	-	95.1	x	x	x	x	x
2018	114.5	-	-	-	114.5	x	x	x	x	x
2019	96.0	-	-	-	96.0	x	x	x	x	x
3Q2019	85.6	-	-	-	85.6	x	x	x	x	x
4Q2019	86.2	-	-	-	86.2	x	x	x	x	x
1Q2020	75.9	-	-	-	75.9	x	x	x	x	x
2Q2020	76.8	-	-	-	76.8	x	x	x	x	x
3Q2020	x	x	x	x	x
Steam coal for households (per tonne)					Coking coal for industry (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	x	x	x	x	x	x	x	x	x	x
2010	x	x	x	x	x	x	x	x	x	x
2011	x	x	x	x	x	x	x	x	x	x
2012	x	x	x	x	x	x	x	x	x	x
2013	x	x	x	x	x	x	x	x	x	x
2014	x	x	x	x	x	x	x	x	x	x
2015	x	x	x	x	x	x	x	x	x	x
2016	x	x	x	x	x	x	x	x	x	x
2017	x	x	x	x	x	x	x	x	x	x
2018	x	x	x	x	x	x	x	x	x	x
2019	x	x	x	x	x	x	x	x	x	x
3Q2019	x	x	x	x	x	x	x	x	x	x
4Q2019	x	x	x	x	x	x	x	x	x	x
1Q2020	x	x	x	x	x	x	x	x	x	x
2Q2020	x	x	x	x	x	x	x	x	x	x
3Q2020	x	x	x	x	x	x	x	x	x	x
Electricity for industry (per megawatt hour)					Electricity for households (per megawatt hour)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	97.1	4.5	-	4.5	101.6	161.0	4.5	12.5	17.0	178.0
2010	112.5	4.5	-	4.5	117.0	170.0	4.5	13.2	17.7	187.7
2011	112.5	4.5	-	4.5	117.0	178.4	4.5	14.7	19.2	197.6
2012	117.6	4.5	-	4.5	122.1	172.7	4.5	14.2	18.7	191.4
2013	118.4	4.5	-	4.5	122.9	170.3	4.5	14.0	18.5	188.8
2014	111.8	6.0	-	6.0	117.8	171.3	6.0	14.2	20.2	191.5
2015	106.8	11.0	-	11.0	117.8	172.5	11.0	14.7	25.7	198.2
2016	118.5	13.0	-	13.0	131.5	172.5	13.0	14.8	27.8	200.3
2017	106.9	15.0	-	15.0	121.9	171.1	15.0	14.9	29.9	201.0
2018	96.4	23.0	-	23.0	119.4	169.5	23.0	14.8	37.8	207.3
2019	96.0	23.0	-	23.0	119.0	172.7	23.0	15.1	38.1	210.7
3Q2019	96.0	23.0	-	23.0	119.0	172.6	23.0	15.1	38.1	210.7
4Q2019	96.0	23.0	-	23.0	119.0	172.7	23.0	15.1	38.1	210.8
1Q2020	95.6	23.0	-	23.0	118.6	172.6	23.0	15.1	38.1	210.7
2Q2020	95.4	23.0	-	23.0	118.4	172.6	23.0	15.1	38.1	210.7
3Q2020

SWITZERLAND**Table 4 - Indices of energy prices**

	Oil products		Electricity		Natural gas		Coal	
	Wholesale 1995 = 100	Retail 1995 = 100	Wholesale 1995 = 100	Retail 1995 = 100	Wholesale 1995 = 100	Retail 1995 = 100	Wholesale 1995 = 100	Retail
1999	114.2	107.6	98.9	101.2	94.6	97.7	91.6	..
2000	172.4	142.2	97.3	100.7	109.2	109.3	110.0	..
2001	159.0	134.7	96.3	100.7	139.8	130.0	130.2	..
2002	142.5	125.2	94.6	99.8	122.9	120.5	107.9	..
2003	151.4	129.3	93.0	98.0	122.0	118.9	106.0	..
2004	173.0	141.3	90.9	96.4	121.7	119.3	148.0	..
2005	222.6	167.4	87.2	93.6	137.7	130.1	137.1	..
2006	251.9	182.9	87.6	93.3	163.4	152.0	144.7	..
2007	258.0	187.3	85.6	91.8	176.9	159.4	170.0	..
2008	323.3	220.7	84.4	93.5	201.8	180.2	251.9	..
2009	213.9	163.6	85.5	98.3	189.7	167.4	170.4	..
2010	251.0	186.4	87.5	103.2	169.2	159.5	183.0	..
2011	292.0	203.8	89.1	107.1	183.2	169.4	182.3	..
2012	312.5	213.9	89.4	103.7	194.3	179.3	149.3	..
2013	299.6	208.5	88.6	102.4	193.2	179.0	122.1	..
2014	278.7	203.4	89.1	103.6	197.2	182.6	110.8	..
2015	193.8	168.0	91.1	105.5	184.8	173.4	102.6	..
2016	153.1	157.8	90.4	101.4	178.5	176.2	97.2	..
2017	184.2	171.7	88.1	101.4	175.8	173.7	102.1	..
2018	236.9	191.2	87.8	104.6	189.6	185.2	116.1	..
2019	220.7	189.0	87.5	106.7	198.0	192.9	94.8	..
3Q2012	310.5	214.4	89.6	103.9	195.2	179.6	144.2	..
4Q2012	312.4	212.8	89.4	103.2	194.9	181.1	135.4	..
1Q2013	308.5	211.5	88.6	102.4	192.9	179.2	131.0	..
2Q2013	296.1	205.3	88.6	102.4	192.9	179.2	120.4	..
3Q2013	301.4	210.9	88.6	102.4	192.9	179.1	117.1	..
4Q2013	292.3	206.2	88.6	102.5	194.0	178.5	119.8	..
1Q2014	289.5	206.5	89.1	103.6	194.9	179.4	113.7	..
2Q2014	285.6	207.6	89.1	103.6	198.2	183.9	112.4	..
3Q2014	286.5	207.1	89.1	103.6	198.2	184.1	105.0	..
4Q2014	253.2	192.4	89.1	103.6	197.5	183.0	112.1	..
1Q2015	188.2	166.6	91.3	107.3	190.8	177.0	106.0	..
2Q2015	204.3	173.1	91.1	107.3	186.6	171.8	102.2	..
3Q2015	201.7	168.7	91.1	106.6	185.1	171.7	98.3	..
4Q2015	181.0	163.7	91.0	100.8	176.6	172.9	103.8	..
1Q2016	132.2	147.7	90.5	101.3	181.8	179.2	104.6	..
2Q2016	152.9	158.4	90.3	101.4	179.8	177.8	91.8	..
3Q2016	154.0	159.1	90.3	101.4	178.5	176.8	95.1	..
4Q2016	173.4	166.1	90.3	101.4	174.0	170.8	97.3	..
1Q2017	192.8	173.3	88.5	101.4	173.8	171.0	96.2	..
2Q2017	174.6	168.1	88.0	101.4	175.7	173.7	100.7	..
3Q2017	170.0	167.9	87.9	101.4	175.9	174.5	98.8	..
4Q2017	199.5	177.4	88.0	101.4	177.7	175.8	112.5	..
1Q2018	207.5	181.8	88.1	104.4	186.3	182.8	115.8	..
2Q2018	231.7	191.4	87.8	104.4	186.3	182.8	114.7	..
3Q2018	247.9	195.8	87.8	105.0	187.6	182.7	113.7	..
4Q2018	260.5	195.8	87.8	104.9	198.1	192.3	120.2	..
1Q2019	211.7	191.7	87.6	106.7	201.9	194.7	113.3	..
2Q2019	232.3	191.6	87.5	106.7	200.6	194.0	94.4	..
3Q2019	220.7	187.9	87.5	106.7	200.1	193.6	85.6	..
4Q2019	218.3	184.8	87.5	106.7	189.4	189.4	85.9	..
1Q2020	194.3	176.8	86.8	106.5	187.8	184.5	76.1	..
2Q2020	109.5	155.9	86.9	106.5	185.8	182.3	76.2	..
3Q2020

SWITZERLAND

Sources

Data for all products, as well as energy price indices, are provided on a quarterly basis by the **Swiss Federal Office of Energy (SFOE)**.

Data collection methodology

Prior to 1Q1983 and from 1Q1993 onwards, prices refer to the averages of the monthly prices. From 1Q1986 up to 4Q1992, prices refer to the second month of each quarter. From 1Q1983 to 4Q1985, prices refer to the first month of the quarter.

Oil products

Ex-tax prices include a mandatory contribution to finance Switzerland's oil emergency reserves, collected by Carbura, a private corporation operating under statutes approved by the Swiss government.

For low sulphur fuel oil, prices from 1Q2015 onwards are not available, as consumption has been negligible during this period. Prices from January 1993 onwards refer to the final "at-the-door" prices in Zürich, including all expenses. Until December 1992, prices refer to the national average. Prices for light fuel oil are average wholesale prices from 1Q1994 onwards. Prior to 1Q1994, prices for industry refer to the national average prices for all lots larger than 20 000 l/year. For households, reported data are average prices for representative lots of 3 000-6 000 l.

For light fuel oil, automotive diesel and unleaded premium (95 and 98 RON) gasoline, ex-tax prices are collected by the Swiss Federal Statistical Office (FSO) through monthly surveys to the only refinery in Switzerland and a sample of the most important fuel importers. Respondents report the prices charged to final consumers, excluding VAT and excise taxes. End-use prices are subsequently calculated by adding the applicable tax components to the ex-tax prices.

Natural gas

For industry and households, ex-tax prices include a mandatory contribution for natural gas security collected by Provisiogas, a private corporation operating under statutes approved by the Swiss government.

Ex-tax prices are collected by the FSO through a survey of the most important natural gas distribution companies. Respondents report the price charged to end-consumers

excluding the VAT, but including other taxes. End-use prices are then calculated by adding the applicable tax components to the ex-tax prices.

For industry, prices refer to consumer category VIII, with an annual consumption of 11.63 GWh (maximum load 6 000 kW), based on interruptible contracts. Prices are based on information submitted by the FSO to the SFOE. For larger consumers with annual consumption above 250 GWh, prices are about 40% lower than those for the consumer category VIII.

For households, prices refer to consumer category II, with an annual consumption of 20 MWh and apply to space heating (gas boilers with a maximum load of 15 kW), as well as water heating and cooking. Prices are based on information submitted by the FSO to the SFOE. Prices for consumer category I, referring to "cooking only" (annual consumption of approximately 1 MWh) are 3.5 times higher. Since December 2005, the FSO no longer submits prices for this consumer category.

Steam and coking coal

For steam coal for households and electricity generation, as well as for coking coal for industry, prices are considered as not applicable due to low consumption levels.

For steam coal for industry, ex-tax prices are collected by the FSO on a monthly basis. Data refer to prices at the Swiss border. End-use prices are then calculated by adding the applicable tax components to the ex-tax prices.

The CO₂ tax on fossil fuels, applicable to coal consumption, is not shown in the excise tax column as most coal-consuming industries are exempt from this levy.

Electricity

For industry and households, ex-tax prices are collected by the FSO through a survey of the most important electricity distribution companies. Respondents report the price charged to end-consumers excluding VAT, but not other taxes. End-use prices are then calculated by adding the applicable tax components to the ex-tax prices. Electricity prices are adjusted once or twice a year.

For industry, prices from 2000 onwards refer to an annual consumption of 10 000 - 20 000 MWh. Electricity prices are based on Elcom surveys. FSO carries out a special annual survey in February for customers with electricity demand above 3 GWh per year. Tariffs for larger consumers (with an annual consumption over 20 GWh), are at least 0.01 CHF/kWh lower than the prices shown in the tables.

Average annual prices for the previous year are collected each February. Therefore, prices for the most recent year

are provisional. Prior to 1998, tariffs refer to annual consumption of 15 000 MWh, maximum load 5 000 kWh.

For households, prices refer to an annual consumption of 4.5 MWh.

Energy price indices

From 1Q1993 onwards, quarterly indices refer to the 3-month average of the quarter. From 1Q1986 to 4Q1992, indices refer to the second month of the quarter. Prior to 1Q1986, indices refer to the first month of each quarter.

From 1986 onwards, annual indices are quarterly averages. Previously they were 12-month averages.

Indices are calculated based on the monthly Producer and Consumer Price Indices produced by the FSO, which are then sent to the SFOE. The FSO's wholesale price index is based on producer and import prices. The survey methodology can be found at:

<https://www.bfs.admin.ch/bfs/en/home/statistics/prices/producer-prices-import-prices.assetdetail.1600828.html>

Wholesale and retail indices for oil products are a weighted-average of heating oil, gasoline and diesel. Wholesale indices refer to *mineral oil products* (Series ID 19). Retail indices refer to *petroleum products* (Series ID 112_101).

Wholesale indices for electricity refer to *electricity for businesses, industry and services* (Series ID 35.10.2.). Retail indices refer to *electricity for households* (Series ID 35.10.1).

Wholesale indices for natural gas refer to *natural gas for businesses, industry and services* (Series ID 35.20.2.). Retail indices refer to *natural gas for households* (Series ID 35.20.1).

Wholesale indices for coal refer to *coal* (Series ID 05).

Energy taxation

VAT

VAT (*TVA/MwSt/IVA*) is refunded for purchases for commercial purposes. Therefore, it is not included in prices shown for the industrial and electricity generation sectors, as well as for automotive fuels for commercial use.

From	To	%
01.01.95	31.12.98	6.5
01.01.99	31.12.00	7.5
01.01.01	31.12.10	7.6
01.01.11	31.12.17	8.0
01.01.18	now	7.7

Excise tax

The excise tax columns in Tables 1, 2 and 3 is the sum of all non-VAT tax components applicable to each product.

Tax applicability table (not exhaustive)

	HSFO/LSFO	LFO	Diesel	Gasoline	LPG	Natural gas	Steam coal	Coking coal	Electricity
Mineral oil tax	✗	✗	✗	✗	✗	✗			
CO ₂ tax on fossil fuels	✗	✗				✗	✗	✗	
Compensation for CO ₂ emissions on motor fuel oils			✗	✗					
Electricity network surcharge									✗

Mineral oil tax (*Impôt sur les huiles minérales/ Mineralölsteuer/ Imposta sugli oli minerali*)

The Mineral oil tax is legally defined in the Mineral Oil Tax Law of 21 June 1996, as amended, which came into force on 1 January 1997. It currently applies to heavy and light fuel oil, automotive diesel, gasoline, LPG and natural gas used as transportation fuel. For NGV, the fee is converted from CHF/t to CHF/MWh using the typical conversion factor used by Federal Department of Finance of 14.64 MWh/t.

The mineral oil tax is an indirect consumption tax levied on the final sales. The applicable tax rate depends on products and uses. Exemptions and partial reimbursements are available for certain commercial activities, such as agriculture and fishing, under certain conditions.

Automotive diesel and gasoline are subject to an additional surcharge of 0.3 CHF/L, which is included in the rates shown in the table at the end of this section.

CO₂ tax on fossil fuels (*Taxe sur le CO₂ sur les combustibles fossiles / CO₂-Abgabe auf fossilen Brennstoffen / Tassa sul CO₂ sui combustibili fossili*)

A tax on CO₂ emissions is levied on heating oil, natural gas used as a stationary heating fuel, coal and other fossil fuels used for heating purposes, process heat and electricity generation. In its current form, the CO₂ tax on fossil fuels is legally defined in the CO₂ Emissions Reduction Ordinance (Chapter 8), which came into force on 1 January 2013.

The initial level of the previous tax was 12 CHF per tonne of CO₂ emissions and was raised, on 1 January 2010, to 36 CHF. On 1 January 2014, it was raised to 60 CHF per

tonne, to 84 CHF per tonne on 1 January 2016 and to 96 CHF per tonne on 1 January 2018.

This tax was introduced purely as an incentive, but from 2010 onwards one third of the annual yield (but no more than 300 million CHF) is earmarked to fund CO₂-effective measures in buildings (renovations, heating with renewable energies). With the Energy Strategy 2050 (Energy Law as of 1 January 2018), the ear-marking for the building programme has been raised from 300 to 450 million CHF. The rest is reimbursed to households (reduced health care premiums) and to companies (reduced old-age pension contributions).

Large industrial customers are exempted from the CO₂ tax by the Federal Government, provided they commit to limit their emissions of greenhouse gases. Companies in the Swiss emission trading system (ETS) are also exempted from the CO₂ tax.

Compensation for CO₂ emissions on motor fuel oil (*Compensation des émissions de CO₂ des carburants / Kompen-sation der CO₂-Emissionen von Treibstoffen/ Compensa-zione delle emissioni di CO₂ dall'impiego dei carburanti*)

From 1 October 2005 to 31 August 2012, a surcharge of 0.015 CHF/l was levied on gasoline and diesel by the Climate Cent Foundation of the Swiss Oil Association. This surcharge was not considered a tax according to OECD definitions, as it was levied by a private body on a non-governmental basis. The revenues from this surcharge served for domestic and foreign emission-mitigating projects as well as to purchase international CO₂ emissions certificates.

The entry into force of the CO₂ Emissions Reduction Ordinance on 1 January 2013 replaced this levy with an

obligation for fuel providers to compensate for a part of their CO₂ emissions.

Starting 2014, importers of motor fuel oil must take measures within the framework of the Swiss CO₂ law in order to compensate for the part of CO₂ emissions caused by road transportation. For this purpose, the Swiss Oil Association has established the Foundation for Climate Protection and Carbon Offset.

For 2014 and 2015, the percentage of compensation has been fixed at 2% and it will be increased gradually until it reaches 10% in 2020. The resulting tax surcharge levied on fuels may not exceed 0.05 CHF/l.

This surcharge was estimated, by the reporting agency, at 0.015 CHF/l in 2014, and 0.018 to 0.019 CHF/l since 2015 up to now.

Renewable electricity production support levy

The Renewable electricity production support levy or network surcharge has been levied since 1 January 2009.

Electricity produced from small-scale hydropower, photo-voltaic, wind, geothermal, biomass and waste from biomass can be fed into the electricity network at a cost-covering remuneration. To finance the difference between the latter and market price, a tax (network surcharge) is levied since 1 January 2009 on electricity. With the Energy Strategy 2050, the cost covering feed-in-tariff has been changed to a market premium and will be phased out after 2022.

The amount of this tax is set each year by the Swiss Federal Office of Energy. With the Energy Strategy 2050, this tax was raised from 1.5 cents/kWh to 2.3 cents/kWh as of 1 January 2018, in line with the maximum set by the law.

Mineral oil tax (*Impôt sur les huiles minérales / Mineralölsteuer / Imposta sugli oli minerali*)

From	To	Heavy fuel oil (CHF/tonne)	Light fuel oil (CHF/1000l)	Automotive diesel (CHF/l)	Gasoline (CHF/l)	Automotive LPG (CHF/l)	Natural gas for transport (CHF/t)	Natural gas for transport (CHF/MWh)
01.07.95	31.12.96	3.70	3.05	0.754	0.715	n.a.	809	55.1
01.01.97	31.12.97	3.60	3.00	0.759	0.719	n.a.	809	55.1
01.01.98	31.12.99	3.60	3.00	0.759	0.727	n.a.	809	55.1
01.01.00	30.06.08	3.60	3.00	0.759	0.731	n.a.	809	55.1
01.07.08	30.09.10	3.60	3.00	0.759	0.731	n.a.	222.2	15.1
01.10.10	now	3.60	3.00	0.759	0.731	n.a.	222.2	15.1

CO₂ tax on fossil fuels

(*Taxe sur le CO₂ sur les combustibles fossiles / CO₂-Abgabe auf fossilen Brennstoffen / Tassa sul CO₂ sui combustibili fossili*)

From	To	Heavy fuel oil (CHF/tonne)	Light fuel oil (CHF/1000l)	Natural gas for heating (CHF/MWh)	Coal (CHF/tonne)
01.01.13	31.12.13	114.20	95.50	6.48	95.00
01.01.14	31.12.14	190.20	159.0	10.93	158.0
01.01.15	31.12.15	190.20	159.0	10.93	158.0

From	To	Heavy fuel oil (CHF/tonne)	Light fuel oil (CHF/1000l)	Natural gas for heating (CHF/MWh)	Coal (CHF/tonne)
01.01.16	31.12.17	266.00	222.6	15.17	221.9
01.01.18	now	304.00	259.3	17.75	253.7

Compensation for CO₂ emissions on motor fuel oil

(Compensation des émissions de CO₂ des carburants / Kompensation der CO₂-Emissionen von Treibstoffen / Compensazione delle emissioni di CO₂ dall'impiego dei carburanti)

From	To	Automotive diesel (CHF/l)	Gasoline (CHF/l)
01.01.14	31.12.14	0.015	0.015
01.01.15	now	0.019	0.019

Renewable electricity production support levy

(Rétribution à prix coûtant – RPC / Kostendeckende Einspeisevergütung – KEV / Rimunerazione a copertura dei costi per l'immissione in rete di energia elettrica – RIC)

From	To	Electricity (CHF/MWh)
01.01.09	31.12.13	4.50
01.01.14	31.12.14	6.00
01.01.15	31.12.15	11.0
01.01.16	31.12.17	13.0
01.01.17	31.12.17	15.0
01.01.18	now	23.0

Product specifications

Oil products

	Low sulphur fuel oil	Light fuel oil	Automotive diesel	Premium unleaded (98 RON) gasoline	Premium unleaded (95 RON) gasoline
Quality		Heizöl extraleicht	Dieselöl, Schwefelgehalt bis 0.001%	Autobenzin mindestens 98 ROZ	Autobenzin mindestens 95 ROZ
Density (kg/l)		0.845	0.835	0.744	0.744
Sulphur content (%)	1	<0.2	0.001		
Lead content (g/l)				0.005	0.005

Natural gas and coal

	Natural gas	Steam coal industry
Quality		Finekohle
Grain size (mm)		0 – 50
NCV (kcal/kg)		6 000
GCV (kcal/m ³)	9 560	
GCV (MWh/kg)	14.67	

TURKEY**Table 1 - Average prices and taxes in Turkish liras**

High sulphur fuel oil for industry (per tonne)					Heavy fuel oil for electricity generation (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	828	224	189	413	1 242	828	224	189	413	1 242
2010	958	224	213	437	1 395	958	224	213	437	1 395
2011	1 364	224	286	510	1 873	1 364	224	286	510	1 873
2012	1 607	224	330	554	2 161	1 607	224	330	554	2 161
2013	1 586	224	326	550	2 136	1 586	224	326	550	2 136
2014	1 621	224	332	556	2 177	1 621	224	332	556	2 177
2015	1 169	224	251	475	1 643	1 169	224	251	475	1 643
2016	1 104	224	239	463	1 567	1 104	224	239	463	1 567
2017	1 661	224	339	563	2 224	1 661	224	339	563	2 224
2018	2 558	224	501	725	3 283	2 558	224	501	725	3 283
2019	2 495	224	489	713	3 208	2 495	224	489	713	3 208
3Q2019	2 482	224	487	711	3 193	2 482	224	487	711	3 193
4Q2019	1 981	224	397	621	2 602	1 981	224	397	621	2 602
1Q2020	2 059	224	411	635	2 694	2 059	224	411	635	2 694
2Q2020	1 606	224	329	553	2 159	1 606	224	329	553	2 159
3Q2020
Light fuel oil for industry (per 1000 litres)					Light fuel oil for households (per 1000 litres)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	1 181	761	349	1 110	2 291
2010	1 324	761	375	1 136	2 460
2011	1 813	761	463	1 224	3 037
2012	1 955	805	497	1 301	3 256
2013	1 991	937	527	1 464	3 455
2014	2 144	937	555	1 491	3 635
2015	1 700	937	475	1 411	3 111
2016	1 587	987	463	1 450	3 036
2017	2 162	1 137	594	1 730	3 892
2018	3 339	1 137	806	1 942	5 282
2019	3 564	1 137	846	1 983	5 547
3Q2019	3 565	1 137	846	1 983	5 548
4Q2019	3 608	1 137	854	1 991	5 599
1Q2020	3 131	1 137	768	1 905	5 036
2Q2020	1 979	1 137	561	1 698	3 676
3Q2020
Automotive diesel for commercial use (per litre)					Automotive diesel for non-commercial use (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	1.264	0.935	0.396	1.330	2.594	1.264	0.935	0.396	1.330	2.594
2010	1.658	0.935	0.466	1.401	3.059	1.658	0.935	0.466	1.401	3.059
2011	1.813	1.305	0.561	1.866	3.679	1.813	1.305	0.561	1.866	3.679
2012	2.031	1.375	0.613	1.987	4.018	2.031	1.375	0.613	1.987	4.018
2013	2.092	1.595	0.664	2.258	4.350	2.092	1.595	0.664	2.258	4.350
2014	2.100	1.595	0.675	2.269	4.369	2.100	1.595	0.675	2.269	4.369
2015	1.694	1.595	0.592	2.186	3.880	1.694	1.595	0.592	2.186	3.880
2016	1.633	1.645	0.590	2.234	3.867	1.633	1.645	0.590	2.234	3.867
2017	2.181	1.795	0.716	2.510	4.692	2.181	1.795	0.715	2.510	4.692
2018	3.096	1.795	0.880	2.675	5.770	3.096	1.795	0.880	2.675	5.770
2019	3.624	1.795	0.975	2.770	6.394	3.624	1.795	0.975	2.770	6.394
3Q2019	3.633	1.795	0.977	2.771	6.404	3.633	1.795	0.977	2.771	6.404
4Q2019	3.767	1.795	1.001	2.796	6.562	3.767	1.795	1.001	2.796	6.562
1Q2020	3.255	2.056	0.956	3.012	6.266	3.255	2.056	0.956	3.012	6.266
2Q2020	2.542	2.056	0.828	2.883	5.425	2.542	2.056	0.828	2.883	5.425
3Q2020

TURKEY**Table 2 - Average prices and taxes in Turkish liras**

Premium unleaded (95 RON) gasoline (per litre)					Premium leaded/lead replacement gasoline (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	1.155	1.492	0.476	1.968	3.122	x	x	x	x	x
2010	1.646	1.474	0.562	2.036	3.682	x	x	x	x	x
2011	1.664	1.892	0.640	2.532	4.196	x	x	x	x	x
2012	1.860	1.955	0.687	2.642	4.502	x	x	x	x	x
2013	1.879	2.177	0.730	2.906	4.786	x	x	x	x	x
2014	1.975	2.177	0.721	2.853	4.828	x	x	x	x	x
2015	1.645	2.177	0.688	2.864	4.510	x	x	x	x	x
2016	1.641	2.227	0.696	2.923	4.563	x	x	x	x	x
2017	2.145	2.377	0.814	3.190	5.337	x	x	x	x	x
2018	2.955	2.377	0.960	3.336	6.292	x	x	x	x	x
2019	3.418	2.377	1.043	3.420	6.837	x	x	x	x	x
3Q2019	3.530	2.377	1.063	3.440	6.970	x	x	x	x	x
4Q2019	3.525	2.377	1.062	3.439	6.964	x	x	x	x	x
1Q2020	3.075	2.527	1.008	3.535	6.609	x	x	x	x	x
2Q2020	2.326	2.527	0.873	3.400	5.726	x	x	x	x	x
3Q2020	x	x	x	x	x
Automotive LPG for commercial use (per litre)					Natural gas for industry (per megawatt hour GCV)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.870	0.561	0.258	0.818	1.689	50.55	2.16	9.49	11.65	62.20
2010	1.172	0.562	0.312	0.875	2.047	42.32	2.16	8.01	10.17	52.49
2011	1.259	0.717	0.356	1.073	2.332	45.69	2.16	8.61	10.77	56.47
2012	1.399	0.754	0.387	1.141	2.540	60.32	2.16	11.25	13.41	73.72
2013	1.431	0.881	0.416	1.297	2.728	68.22	2.16	12.67	14.83	83.05
2014	1.458	0.866	0.418	1.284	2.742	69.70	2.16	12.93	15.10	84.80
2015	1.149	0.885	0.366	1.252	2.401	73.08	2.16	13.54	15.70	88.78
2016	1.225	0.914	0.385	1.298	2.523	71.21	2.16	13.21	15.37	86.57
2017	1.588	0.998	0.465	1.463	3.051	65.89	2.16	12.25	14.41	80.30
2018	2.066	0.998	0.552	1.549	3.616	94.95	2.16	17.48	19.64	114.59
2019	2.177	0.998	0.571	1.569	3.746	136.12	2.16	24.89	27.05	163.16
3Q2019	1.966	0.998	0.534	1.531	3.497	140.90	2.16	25.75	27.91	168.82
4Q2019	2.281	0.998	0.590	1.588	3.868	145.40	2.16	26.56	28.72	174.11
1Q2020	2.479	0.872	0.603	1.476	3.955	145.50	2.16	26.58	28.74	174.24
2Q2020	1.960	0.872	0.510	1.382	3.342	145.17	2.16	26.53	28.69	173.86
3Q2020
Natural gas for electricity generation (per megawatt hour GCV)					Natural gas for households (per megawatt hour GCV)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	50.40	2.16	9.46	11.62	62.02	64.13	-	11.54	11.54	75.68
2010	41.19	2.16	7.80	9.96	51.15	57.50	-	10.35	10.35	67.85
2011	45.05	2.16	8.50	10.66	55.70	59.96	-	10.79	10.79	70.76
2012	60.04	2.16	11.20	13.36	73.40	76.28	-	13.73	13.73	90.01
2013	67.61	2.16	12.51	14.67	82.28	85.04	-	15.31	15.31	100.34
2014	69.18	2.16	12.78	14.94	84.13	88.19	-	15.87	15.91	104.06
2015	73.42	2.16	13.61	15.77	89.19	94.08	-	16.93	16.93	111.02
2016	71.61	2.16	13.28	15.44	87.05	95.22	-	17.14	17.14	112.36
2017	66.51	2.16	12.36	14.52	81.04	92.66	-	16.68	16.68	109.34
2018	108.12	2.16	19.85	22.01	130.13	105.14	-	18.93	18.93	124.07
2019	146.35	2.16	26.73	28.89	175.24	127.67	-	22.98	22.98	150.65
3Q2019	151.16	2.16	27.60	29.76	180.92	132.30	-	23.82	23.82	156.12
4Q2019	149.07	2.16	27.22	29.38	178.45	149.68	-	26.94	26.94	176.62
1Q2020	150.27	2.16	27.44	29.60	179.87	150.37	-	27.07	27.07	177.43
2Q2020	150.27	2.16	27.44	29.60	179.87	154.09	-	27.74	27.74	181.83
3Q2020

TURKEY**Table 3 - Average prices and taxes in Turkish liras**

Steam coal for industry (per tonne)					Steam coal for electricity generation (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	110.7	-	19.9	19.9	130.6	42.1	-	7.6	7.6	49.7
2010	106.3	-	19.1	19.1	125.4	46.2	-	8.3	8.3	54.5
2011	122.4	-	22.0	22.0	144.5	53.0	-	9.5	9.5	62.5
2012	148.8	-	26.8	26.8	175.6	59.0	-	10.6	10.6	69.6
2013	169.3	-	30.5	30.5	199.8	73.6	-	13.3	13.3	86.8
2014	168.1	-	30.4	30.4	198.5	80.7	-	14.6	14.6	95.3
2015	186.2	-	33.5	33.5	219.9	73.6	-	13.3	13.3	86.9
2016	199.7	-	35.9	35.9	235.6	72.9	-	13.1	13.1	86.0
2017	217.2	-	39.1	39.1	256.3	81.0	-	14.6	14.6	95.6
2018	316.9	-	57.0	57.0	374.0	89.4	-	16.1	16.1	105.5
2019	360.8	-	64.9	64.9	425.7	114.2	-	20.6	20.6	134.8
3Q2019	378.7	-	68.2	68.2	446.8	111.8	-	20.1	20.1	131.9
4Q2019	385.7	-	69.4	69.4	455.1	112.6	-	20.3	20.3	132.8
1Q2020	423.2	-	76.2	76.2	499.4	137.1	-	24.7	24.7	161.8
2Q2020	381.7	-	68.7	68.7	450.4	120.0	-	21.6	21.6	141.6
3Q2020
Steam coal for households (per tonne)					Coking coal for industry (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	201.5	-	36.3	36.3	237.8	308.1	-	55.5	55.5	363.6
2010	204.8	-	36.9	36.9	241.6	301.3	-	54.2	54.2	355.5
2011	221.8	-	39.9	39.9	261.7	313.3	-	56.4	56.4	369.7
2012	252.3	-	45.4	45.4	297.8	355.9	-	64.1	64.1	419.9
2013	272.9	-	49.1	49.1	322.0	380.7	-	68.5	68.5	449.2
2014	275.8	-	49.6	49.6	325.4	376.9	-	67.8	67.8	444.7
2015	308.9	-	55.6	55.6	364.5	386.8	-	69.6	69.6	456.5
2016	338.0	-	60.8	60.8	398.8	413.9	-	74.5	74.5	488.4
2017	377.7	-	68.0	68.0	445.7	496.9	-	89.4	89.4	586.4
2018	473.2	-	85.2	85.2	558.3	612.5	-	110.3	110.3	722.8
2019	503.0	-	90.5	90.5	593.5	722.0	-	130.0	130.0	852.0
3Q2019	503.0	-	90.5	90.5	593.5	728.0	-	131.0	131.0	859.0
4Q2019	503.0	-	90.5	90.5	593.5	796.0	-	143.3	143.3	939.3
1Q2020	503.0	-	90.5	90.5	593.5	796.0	-	143.3	143.3	939.3
2Q2020	503.0	-	90.5	90.5	593.5	796.0	-	143.3	143.3	939.3
3Q2020
Electricity for industry (per megawatt hour)					Electricity for households (per megawatt hour)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	173.5	6.9	32.5	39.4	212.9	200.4	16.0	39.0	55.0	255.4
2010	184.3	7.4	34.5	41.9	226.2	216.6	17.3	42.1	59.4	276.0
2011	188.5	7.5	35.3	42.8	231.4	221.8	17.7	43.1	60.9	282.6
2012	216.4	8.7	40.5	49.2	265.6	259.7	20.8	50.5	71.3	331.0
2013	227.6	9.1	42.6	51.7	279.3	283.9	22.7	55.2	77.9	361.8
2014	233.3	9.3	43.7	53.0	286.3	291.3	23.3	56.6	79.9	371.2
2015	248.5	9.9	46.5	56.5	305.0	310.4	24.8	60.3	85.2	395.6
2016	260.2	8.2	48.3	56.5	316.7	331.8	17.5	62.9	80.4	412.2
2017	260.2	6.2	47.9	54.1	314.3	331.8	17.2	62.8	80.0	411.8
2018	338.8	5.5	62.0	67.5	406.3	404.1	21.8	76.7	98.5	502.6
2019	500.6	8.3	91.6	99.9	600.5	484.8	24.4	91.7	116.1	600.8
3Q2019	515.0	8.5	94.2	102.7	617.8	498.6	25.2	94.3	119.5	618.1
4Q2019	591.7	9.8	108.3	118.1	709.8	572.8	29.1	108.3	137.5	710.2
1Q2020	591.9	9.6	108.3	117.9	709.8	574.4	27.5	108.3	135.8	710.2
2Q2020	591.9	9.6	108.3	117.9	709.8	574.0	27.9	108.3	136.2	710.2
3Q2020

TURKEY**Table 4 - Indices of energy prices**

	Oil products		Electricity		Natural gas		Coal	
	Wholesale 2003 = 100	Retail 2015 = 100	Wholesale 2003 = 100	Retail 2015 = 100	Wholesale 2015 = 100	Retail 2003 = 100	Wholesale 2003 = 100	Retail 2015 = 100
1999	16.9	9.0	21.9	8.6	..	4.4	18.6	6.8
2000	29.6	14.5	33.1	13.0	..	6.7	26.4	10.5
2001	51.9	25.8	65.1	25.2	..	17.2	44.6	17.7
2002	79.1	38.8	93.9	36.8	..	23.7	74.6	26.3
2003	100.0	48.4	100.0	39.0	..	29.6	100.0	32.9
2004	109.1	49.1	97.3	38.9	..	30.6	107.6	39.1
2005	148.4	62.5	102.0	39.4	..	38.0	114.4	40.2
2006	198.3	63.0	113.9	39.3	..	46.4	138.7	44.9
2007	202.7	65.5	126.9	39.3	..	50.6	161.5	52.0
2008	275.8	75.1	162.1	52.9	..	62.2	198.0	61.9
2009	225.5	71.0	189.2	62.7	..	61.7	225.8	68.5
2010	278.7	84.3	193.4	67.6	..	67.4	233.5	69.4
2011	394.2	96.9	199.3	69.5	..	75.1	257.1	73.9
2012	439.3	104.2	218.6	83.5	..	87.8	291.1	86.5
2013	443.8	111.3	243.6	91.7	..	94.6	315.7	90.5
2014	478.7	113.4	233.8	93.9	..	98.9	326.6	92.6
2015	355.3	100.0	238.9	100.0	..	100.0	350.6	100.0
2016	325.4	100.8	218.4	105.6	..	100.3	373.2	106.3
2017	490.8	121.6	212.1	105.5	..	103.3	411.0	123.5
2018	817.3	145.4	285.6	128.7	..	116.9	506.5	153.6
2019	871.0	157.9	385.6	153.9	..	139.1	543.4	176.1
3Q2012	437.8	101.0	207.8	83.3	..	87.2	294.6	86.5
4Q2012	426.5	110.9	253.2	91.4	..	94.5	299.0	90.1
1Q2013	429.7	110.5	248.7	91.4	..	94.0	315.1	91.5
2Q2013	412.2	106.9	239.6	91.9	..	92.7	314.4	89.9
3Q2013	462.1	112.7	242.4	91.8	..	94.4	316.1	89.6
4Q2013	471.1	115.1	243.9	91.8	..	97.2	317.4	91.2
1Q2014	515.0	119.6	247.1	91.6	..	99.5	325.3	93.0
2Q2014	495.3	114.0	234.0	91.9	..	97.8	326.5	92.0
3Q2014	492.2	114.2	231.6	91.9	..	97.7	326.9	91.2
4Q2014	412.2	105.9	242.5	100.2	..	100.5	327.7	94.2
1Q2015	335.5	97.4	239.2	100.1	..	98.5	348.2	97.6
2Q2015	400.7	103.1	237.4	100.0	..	100.1	348.4	98.7
3Q2015	364.9	100.5	238.8	100.0	..	99.9	351.2	99.6
4Q2015	320.0	99.0	240.3	100.0	..	101.5	354.6	104.1
1Q2016	260.2	93.9	230.7	105.4	..	101.1	370.4	106.5
2Q2016	313.3	98.2	219.2	105.6	..	100.9	372.5	104.7
3Q2016	330.8	99.8	215.0	105.6	..	101.4	371.5	104.0
4Q2016	397.2	111.4	208.9	105.6	..	97.7	378.3	110.0
1Q2017	488.8	122.1	214.2	105.5	..	102.5	402.4	119.9
2Q2017	451.6	116.1	213.1	105.5	..	101.5	400.3	120.8
3Q2017	461.6	118.3	211.2	105.5	..	102.6	416.5	121.9
4Q2017	561.1	129.8	209.8	105.5	..	106.6	424.7	131.5
1Q2018	604.0	132.1	217.0	114.8	..	107.6	484.5	137.1
2Q2018	745.7	141.6	246.9	118.1	..	109.0	491.4	140.5
3Q2018	982.2	152.4	292.4	129.0	..	117.9	518.1	156.8
4Q2018	937.5	155.3	386.1	152.9	..	133.2	532.1	180.0
1Q2019	822.8	151.9	351.9	137.6	..	125.4	547.3	176.6
2Q2019	944.0	161.5	376.6	137.6	..	127.7	533.4	176.1
3Q2019	851.8	155.9	398.8	158.3	..	143.0	544.1	174.6
4Q2019	865.2	162.1	415.2	181.9	..	160.2	548.9	177.2
1Q2020	805.3	156.9	410.7	181.9	..	161.3	567.6	179.4
2Q2020	530.4	135.8	422.4	181.9	..	159.7	568.2	181.7
3Q2020

TURKEY

Sources

Prices and taxes data for all products, as well as wholesale energy price indices, are provided on a quarterly basis by the **Ministry of Energy and Natural Resources**.

Retail energy price indices are based on data published by **Eurostat**.

Data collection methodology

From 1Q1988 onwards, prices refer to the monthly averages of the quarter. Prior to 1Q1988, prices refer to the second month of the quarter.

Oil products

Prices for all oil products are calculated by the reporting institution based on data from the Energy Market Regulatory Authority (EMRA). Data refer to prices in Ankara.

Filling stations report changes in end-use prices for oil products to EMRA through an internet portal. Ex-tax prices are calculated by subtracting the applicable tax components from the end-use prices.

Due to its central location in the country, prices in Ankara are considered to be similar to prices found in other cities and therefore representative for the whole country.

Natural gas

Prices for natural gas are calculated by the reporting institution based on data from the Directorate General of Petroleum Pipeline Corporation.

For industry and electricity generation, prices include all the relevant consumption bands and refer to the whole country. For industry, the relevant consumption bands correspond to the Eurostat consumption bands I1, I2, I3, I4, I5 and I6.

Prices for households refers to Ankara only.

Steam and coking coal

For steam and coking coal, prices are calculated by the reporting institution based on data from the Turkish Hard Coal Enterprises Institution.

For steam coal, prices refer to lignite, which is the predominant type of coal produced and consumed. Prior to 1992, data on taxes are not available and therefore not included in the prices.

Electricity

Data are calculated by the reporting institution based on data supplied by EMRA, which sets quarterly ex-tax prices for households, industry, services and agriculture. End-use prices are then calculated by the reporting institution by adding the applicable taxes to the ex-tax prices.

Electricity users with an annual consumption above 1 400 kWh are free to choose an alternative supplier company. Data of eligible consumers are not included in the data, but price levels are considered to be very similar to those reported by EMRA.

Energy price indices

Annual wholesale indices are 12-month averages. From 1Q1993 onwards, quarterly wholesale indices refer to the three-month average of the monthly Producer Price Indices (PPIs) produced by the Turkish Statistical Institute for Statistics (TurkStat). Prior to 1Q1993, quarterly wholesale indices refer to the second month of each quarter.

Retail indices for oil products refer to a consumption-weighted average of the *liquid fuels* (cp0453) and *fuels and lubricants for personal transport equipment* (cp0722) series. Relative weights used for the calculations are taken from the associated item weights series (prc_hicp_inw), published by Eurostat. Wholesale indices refer to the *chemicals and petroleum products* PPI series.

Retail indices for electricity refer to a consumption-weighted average of the *electricity* (cp0451) series. Wholesale indices refer to the electricity PPI series.

Retail indices for natural gas refer to a consumption-weighted average of the *gas* (cp0452) series.

Retail indices for coal refer to a consumption-weighted average of the *solid fuel* (cp0454) series. Wholesale indices refer to the *coal mining* PPI series.

Energy taxation

VAT

VAT (*KDV*) applies to all energy products. The VAT system currently in place in Turkey was introduced on 1 January 1985 (Law No.3065, Official Gazette No. 18563 dated 02.11.1984).

In contrast to other OECD countries, VAT is not refunded for commercial and industry use. Therefore, it is shown for the industrial and electricity generation sectors, as well as for automotive fuels for commercial use.

All electricity generating facilities using renewable sources are entitled to value-added tax and customs duty exemptions.

From	To	%
01.01.86	31.12.91	12
01.01.92	31.07.92	13
01.08.92	31.12.94	15
01.01.95	30.06.10	16
01.07.10	31.08.12	18
01.09.12	now	18

Excise tax

Excise taxation on all commercial energy products, except for electricity, consists of a single tax component levied on a volume basis.

Excise taxes on electricity are levied on an *ad-valorem* basis and consist of three different components described below.

Steam and coking coal consumption is not subject to excise taxes.

Tax applicability table (not exhaustive)

	HSFO/LFO	LFO	Diesel	Gasoline	LPG	Natural gas	Steam coal	Coking coal	Electricity
ÖTV	x	x	x	x	x	x			
ETV									x
Energy fund fee									x
TRT fee									x

Special consumption tax (*Özel Tüketim Vergisi – ÖTV*)

The Special consumption tax (ÖTV) applies to a number of energy and non-energy products, as described in the Special Consumption Tax Law (Law No. 4760, Official Gazette No. 24783 dated 12 June 2002).

Pursuant to this law, oil products (gasoline, diesel, fuel oil and LPG) and natural gas are subject to ÖTV at rates that vary according to product specifications and usage (List I). The ÖTV also covers land, sea and air vehicles, as well as beverages, tobacco and many other consumer goods.

Special consumption tax (*Özel Tüketim Vergisi – ÖTV*)

From	To	Heavy fuel oil (TL/tonne)	Light fuel oil (TL/1000l)	Automotive diesel (TL/l)	Gasoline (TL/l)	Automotive LPG (TL/l)	Natural gas (TL/MWh)
01.01.10	17.05.12	224	760.5	1.305	1.892	n.a.	2.162
18.05.12	21.09.12	224	760.5	1.295	1.877	0.717	2.162
22.09.12	07.09.16	224	936.7	1.595	2.177	0.886	2.162
08.09.16	31.12.19	224	1136.7	1.795	2.377	0.998	2.162

Natural gas for domestic use is exempt from special consumption taxes.

Diesel used in maritime and aviation is exempt.

Bioethanol and biodiesel produced from domestic crops are exempt from ÖTV when incorporated in gasoline or diesel fuel up to 2%. Electric vehicles, as well as fuels used for exploration and production activities are exempt.

Electricity consumption tax

(*Elektrik Tüketim Vergisi – ETV*)

Similarly to the taxation system for oil products and natural gas, electricity in Turkey is subject to an Electricity consumption tax (ETV). The revenue from this tax is earmarked for municipalities.

In contrast to the excise taxation system for oil products and natural gas, taxes on electricity are levied on an *ad-valorem* basis.

Since its introduction, the tax rate has been kept constant at 1% for industry and 5% for both households and businesses.

Energy fund fee (*Enerji fonu*)

In addition to the previously described ETV, an additional *ad-valorem* tax, known as the Energy fund fee, is levied on electricity consumption by all costumers, as described in the Energy Fund Law (No. 3096), which first came into force on 1 April 1984.

The revenue from this tax is earmarked for R&D in the energy sector, as well as to finance public spending on energy-related infrastructure.

Since its introduction, the tax rate has been kept constant at 1% for all consumer segments.

TRT fee (*TRT Payı*)

A third *ad-valorem* tax, known as the TRT fee, is levied on electricity consumption by all customers. The revenue from this tax is earmarked for the Turkish Radio and Television Corporation (TRT).

Since its introduction, the tax rate has been kept constant at 2% for all consumer segments except industry consumers. The TRT fee was repealed for industry consumers in July 2017.

From	To	Heavy fuel oil (TL/tonne)	Light fuel oil (TL/1000l)	Automotive diesel (TL/l)	Gasoline (TL/l)	Automotive LPG (TL/l)	Natural gas (TL/MWh)
01.01.2020	now	224	1136.7	2.0559	2.5265	0.8724	2.162

Product specifications

Oil products

	High sulphur fuel oil	Light fuel oil	Automotive diesel	Unleaded premium (95 RON) gasoline	Automotive LPG
Quality	Fuel oil No. 6	No. 1 light fuel, Gazyağı	Motorin	Kurşunsuz benzin 95 oktan	Sıvılaştırılmış petrol gazı
Density (kg/l)	0.97	0.8	0.85	0.775 0.1	0.85
Sulphur content (%)				0.013	
Lead content (g/l)					
NCV (kcal/kg)	9 600	10 450	10 350	10 700	

Natural gas and coal

	Natural gas	Steam coal <i>industry households</i>	Steam coal <i>electricity generation</i>	Coking coal
Quality	Doğal gaz	Lignite	Lignite	
NCV (kcal/kg)		4 250	2 000	6 100
GCV (kcal/m ³)	9 155			

UNITED KINGDOM

Table 1 - Average prices and taxes in UK pounds

Low sulphur fuel oil for industry (per tonne)					Heavy fuel oil for electricity generation (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	c	c	c	c	c	158.4	101.6	-	101.6	260.0
2010	c	c	c	c	c	302.2	106.7	-	106.7	408.9
2011	c	c	c	c	c	394.3	108.6	-	108.6	502.9
2012	c	c	c	c	c	432.7	108.2	-	108.2	540.9
2013	c	c	c	c	c	396.3	108.5	-	108.5	504.8
2014	c	c	c	c	c	335.1	108.5	-	108.5	443.6
2015	c	c	c	c	c	197.4	108.9	-	108.9	306.3
2016	c	c	c	c	c	151.2	108.7	-	108.7	259.9
2017	c	c	c	c	c	189.5	108.3	-	108.3	297.8
2018	c	c	c	c	c	263.7	108.6	-	108.6	372.3
2019	c	c	c	c	c	272.7	108.6	-	108.6	381.3
3Q2019	c	c	c	c	c	279.3	108.6	-	108.6	387.9
4Q2019	c	c	c	c	c	283.3	108.6	-	108.6	391.9
1Q2020	c	c	c	c	c	294.3	108.6	-	108.6	402.9
2Q2020	c	c	c	c	c
3Q2020	c	c	c	c	c
Light fuel oil for industry (per 1000 litres)					Light fuel oil for households (per 1000 litres)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	316.9	104.6	-	104.6	421.5	314.4	104.6	20.9	125.5	440.0
2010	403.6	109.9	-	109.9	513.5	405.7	109.9	25.8	135.7	541.4
2011	520.1	111.8	-	111.8	631.9	536.7	111.8	32.4	144.3	681.0
2012	545.3	111.4	-	111.4	656.7	562.5	111.4	33.7	145.1	707.6
2013	531.9	111.4	-	111.4	643.3	553.2	111.4	33.2	144.6	697.8
2014	472.5	111.4	-	111.4	583.9	481.8	111.4	29.7	141.1	622.8
2015	327.7	111.4	-	111.4	439.1	324.8	111.4	21.8	133.2	458.0
2016	295.7	111.4	-	111.4	407.1	294.3	111.4	20.3	131.7	426.0
2017	369.3	111.4	-	111.4	480.7	369.2	111.4	24.0	135.4	504.6
2018	446.0	111.4	-	111.4	557.4	454.2	111.4	28.3	139.7	593.9
2019	421.2	111.4	-	111.4	532.6	449.1	111.4	28.0	139.4	588.5
3Q2019	443.9	111.4	-	111.4	555.3	455.5	111.4	28.3	139.7	595.2
4Q2019	401.5	111.4	-	111.4	512.9	444.7	111.4	27.8	139.2	583.9
1Q2020	388.3	111.4	-	111.4	499.7	397.3	111.4	25.4	136.8	534.2
2Q2020	278.6	111.4	19.5	130.9	409.5
3Q2020
Automotive diesel for commercial use (per litre)					Automotive diesel for non-commercial use (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.360	0.544	-	0.544	0.904	0.360	0.544	0.136	0.680	1.039
2010	0.443	0.572	-	0.572	1.015	0.443	0.572	0.178	0.750	1.193
2011	0.574	0.582	-	0.582	1.156	0.574	0.582	0.231	0.813	1.387
2012	0.602	0.580	-	0.580	1.182	0.602	0.580	0.236	0.816	1.418
2013	0.591	0.580	-	0.580	1.170	0.591	0.580	0.234	0.814	1.404
2014	0.533	0.580	-	0.580	1.112	0.533	0.580	0.222	0.802	1.335
2015	0.378	0.580	-	0.580	0.957	0.378	0.580	0.191	0.771	1.149
2016	0.338	0.580	-	0.580	0.918	0.338	0.580	0.184	0.763	1.101
2017	0.422	0.580	-	0.580	1.001	0.422	0.580	0.200	0.780	1.201
2018	0.504	0.580	-	0.580	1.083	0.504	0.580	0.217	0.796	1.300
2019	0.516	0.580	-	0.580	1.096	0.516	0.580	0.219	0.799	1.315
3Q2019	0.519	0.580	-	0.580	1.099	0.519	0.580	0.220	0.799	1.319
4Q2019	0.508	0.580	-	0.580	1.088	0.508	0.580	0.218	0.797	1.305
1Q2020	0.489	0.580	-	0.580	1.068	0.489	0.580	0.214	0.793	1.282
2Q2020	0.363	0.580	-	0.580	0.943	0.363	0.580	0.189	0.768	1.131
3Q2020

UNITED KINGDOM

Table 2 - Average prices and taxes in UK pounds

Premium unleaded (98 RON) gasoline (per litre)					Premium unleaded (95 RON) gasoline (per litre)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	0.375	0.544	0.138	0.682	1.057	0.319	0.544	0.130	0.673	0.993
2010	0.482	0.572	0.184	0.756	1.238	0.423	0.572	0.174	0.746	1.169
2011	0.589	0.582	0.234	0.816	1.406	0.529	0.582	0.222	0.804	1.333
2012	0.611	0.580	0.238	0.818	1.429	0.549	0.580	0.226	0.805	1.354
2013	0.602	0.580	0.236	0.816	1.417	0.538	0.580	0.224	0.803	1.341
2014	0.546	0.580	0.225	0.805	1.351	0.483	0.580	0.212	0.792	1.275
2015	0.412	0.580	0.198	0.778	1.190	0.347	0.580	0.185	0.765	1.111
2016	0.402	0.580	0.196	0.776	1.178	0.328	0.580	0.181	0.761	1.088
2017	0.478	0.580	0.212	0.791	1.270	0.400	0.580	0.196	0.775	1.176
2018	0.547	0.580	0.225	0.805	1.352	0.464	0.580	0.209	0.788	1.252
2019	0.555	0.580	0.227	0.806	1.362	0.461	0.580	0.208	0.788	1.249
3Q2019	0.579	0.580	0.232	0.811	1.390	0.484	0.580	0.213	0.792	1.276
4Q2019	0.567	0.580	0.229	0.809	1.376	0.468	0.580	0.210	0.789	1.257
1Q2020	0.554	0.580	0.227	0.806	1.360	0.451	0.580	0.206	0.786	1.237
2Q2020	0.426	0.580	0.201	0.781	1.207	0.308	0.580	0.178	0.757	1.065
3Q2020
Premium leaded/lead replacement gasoline (per litre)					Natural gas for industry (per megawatt hour GCV)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	x	x	x	x	x	18.91	0.56	-	0.56	19.47
2010	x	x	x	x	x	17.79	0.51	-	0.51	18.31
2011	x	x	x	x	x	21.58	0.59	-	0.59	22.17
2012	x	x	x	x	x	23.64	0.63	-	0.63	24.27
2013	x	x	x	x	x	26.15	0.65	-	0.65	26.80
2014	x	x	x	x	x	23.69	0.65	-	0.65	24.33
2015	x	x	x	x	x	21.14	0.64	-	0.64	21.78
2016	x	x	x	x	x	17.83	0.63	-	0.63	18.46
2017	x	x	x	x	x	18.92	0.63	-	0.63	19.56
2018	x	x	x	x	x	22.06	0.75	-	0.75	22.82
2019	x	x	x	x	x	20.52	1.08	-	1.08	21.60
3Q2019	x	x	x	x	x	18.46	0.98	-	0.98	19.44
4Q2019	x	x	x	x	x	20.40	1.24	-	1.24	21.64
1Q2020	x	x	x	x	x	20.38	1.40	-	1.40	21.77
2Q2020	x	x	x	x	x	16.71	1.45	-	1.45	18.16
3Q2020	x	x	x	x	x
Natural gas for electricity generation (per megawatt hour GCV)					Natural gas for households (per megawatt hour GCV)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	14.03	-	-	-	14.03	36.11	-	1.81	1.81	37.92
2010	14.61	-	-	-	14.61	34.90	-	1.75	1.75	36.65
2011	19.14	-	-	-	19.14	40.01	-	2.00	2.00	42.01
2012	21.35	-	-	-	21.35	43.38	-	2.17	2.17	45.55
2013	22.99	-	-	-	22.99	46.06	-	2.30	2.30	48.36
2014	18.90	-	-	-	18.90	48.76	-	2.44	2.44	51.20
2015	15.86	-	-	-	15.86	45.93	-	2.30	2.30	48.23
2016	12.76	-	-	-	12.76	42.02	-	2.10	2.10	44.12
2017	15.24	-	-	-	15.24	41.02	-	2.05	2.05	43.07
2018	19.25	-	-	-	19.25	42.50	-	2.13	2.13	44.63
2019	14.20	-	-	-	14.20	43.83	-	2.19	2.19	46.02
3Q2019	12.48	-	-	-	12.48	45.84	-	2.29	2.29	48.13
4Q2019	14.41	-	-	-	14.41	41.82	-	2.09	2.09	43.91
1Q2020	13.91	-	-	-	13.91	41.82	-	2.09	2.09	43.91
2Q2020	40.36	-	2.02	2.02	42.38
3Q2020

UNITED KINGDOM

Table 3 - Average prices and taxes in UK pounds

Steam coal for industry (per tonne)					Steam coal for electricity generation (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	59.60	4.27	-	4.27	63.87	54.42	-	-	-	54.42
2010	70.90	5.08	-	5.08	75.98	62.30	-	-	-	62.30
2011	87.03	6.23	-	6.23	93.26	80.14	-	-	-	80.14
2012	87.54	6.27	-	6.27	93.80	66.33	-	-	-	66.33
2013	94.59	6.77	-	6.77	101.36	61.55	-	-	-	61.55
2014	93.64	7.24	-	7.24	100.88	56.70	-	-	-	56.70
2015	80.98	6.26	-	6.26	87.24	48.71	-	-	-	48.71
2016	69.14	5.34	-	5.34	74.49	54.29	-	-	-	54.29
2017	76.97	5.95	-	5.95	82.92	73.94	-	-	-	73.94
2018	90.69	7.01	-	7.01	97.70	76.88	-	-	-	76.88
2019	88.27	6.82	-	6.82	95.09	60.79	-	-	-	60.79
3Q2019	91.85	7.10	-	7.10	98.95	57.23	-	-	-	57.23
4Q2019	89.32	6.90	-	6.90	96.22	58.61	-	-	-	58.61
1Q2020	86.75	6.71	-	6.71	93.46	54.37	-	-	-	54.37
2Q2020
3Q2020
Steam coal for households (per tonne)					Coking coal for industry (per tonne)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	293.65	-	14.68	14.68	308.33
2010	294.62	-	14.73	14.73	309.35
2011	305.89	-	15.29	15.29	321.18
2012	316.83	-	15.84	15.84	332.67
2013	322.08	-	16.10	16.10	338.18
2014	330.00	-	16.50	16.50	346.50
2015	328.14	-	16.41	16.41	344.55
2016	330.67	-	16.53	16.53	347.20
2017	343.94	-	17.20	17.20	361.13
2018	354.84	-	17.74	17.74	372.58
2019	369.59	-	18.48	18.48	388.07
3Q2019	365.65	-	18.28	18.28	383.93
4Q2019	379.24	-	18.96	18.96	398.20
1Q2020	383.30	-	19.17	19.17	402.47
2Q2020	385.97	-	19.30	19.30	405.27
3Q2020
Electricity for industry (per megawatt hour)					Electricity for households (per megawatt hour)					
	Ex-tax price	Excise tax	VAT	Total tax	Total price	Ex-tax price	Excise tax	VAT	Total tax	Total price
2009	83.4	2.7	-	2.7	86.1	116.8	-	5.8	5.8	122.6
2010	75.7	2.7	-	2.7	78.4	113.4	-	5.7	5.7	119.1
2011	78.1	2.7	-	2.7	80.8	124.3	-	6.2	6.2	130.5
2012	82.1	2.6	-	2.6	84.7	130.9	-	6.5	6.5	137.4
2013	86.5	2.5	-	2.5	88.9	140.2	-	7.0	7.0	147.2
2014	91.3	2.5	-	2.5	93.8	146.6	-	7.3	7.3	153.9
2015	92.5	2.5	-	2.5	95.0	143.3	-	7.2	7.2	150.5
2016	89.3	3.5	-	3.5	92.8	143.5	-	7.2	7.2	150.6
2017	93.9	4.0	-	4.0	97.9	151.8	-	7.6	7.6	159.3
2018	100.3	4.0	-	4.0	104.3	163.5	-	8.2	8.2	171.7
2019	109.3	6.0	-	6.0	115.3	174.5	-	8.7	8.7	183.2
3Q2019	106.0	6.5	-	6.5	112.4	179.8	-	9.0	9.0	188.8
4Q2019	113.3	6.8	-	6.8	120.1	176.0	-	8.8	8.8	184.8
1Q2020	113.0	6.2	-	6.2	119.2	176.0	-	8.8	8.8	184.8
2Q2020	176.3	-	8.8	8.8	185.1
3Q2020

UNITED KINGDOM

Table 4 - Indices of energy prices

	Oil products		Electricity		Natural gas		Coal	
	Wholesale 2010 = 100	Retail 2010 = 100						
1999	48.8	60.3	52.0	55.9	33.5	41.4	34.9	46.7
2000	59.4	68.2	48.2	54.7	36.5	40.5	36.0	47.5
2001	56.1	64.7	44.1	54.2	48.9	41.7	41.9	49.8
2002	53.7	62.7	42.6	54.5	46.2	44.3	37.3	52.3
2003	56.5	65.0	41.2	55.1	48.2	45.2	36.4	53.4
2004	61.5	68.6	44.9	58.4	53.7	48.4	46.6	56.2
2005	71.8	74.6	60.2	64.6	81.6	55.3	52.9	61.9
2006	76.7	78.6	80.8	78.6	101.8	72.6	53.7	66.6
2007	78.5	80.9	82.9	84.9	82.1	78.2	57.2	71.4
2008	100.3	92.9	102.1	98.1	123.7	93.4	102.3	84.9
2009	84.6	85.7	110.1	102.6	106.4	105.9	92.1	100.0
2010	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2011	119.2	114.7	103.2	107.3	122.3	110.9	118.0	104.9
2012	121.6	116.9	108.4	113.3	133.5	122.6	93.1	108.5
2013	120.0	115.6	114.2	121.8	147.8	131.9	81.2	110.2
2014	110.8	109.9	120.6	128.4	132.7	138.1	72.3	113.3
2015	88.3	95.4	122.1	128.0	119.0	131.9	67.1	113.5
2016	85.0	93.1	118.0	127.8	100.0	124.1	81.3	113.3
2017	95.7	100.8	123.9	136.4	106.2	122.7	123.4	115.9
2018	106.9	107.8	132.4	148.1	125.5	127.4	127.6	117.8
2019	106.0	108.2	144.6	158.9	114.7	126.8	134.4	122.1
3Q2012	120.9	116.2	106.1	112.3	127.2	121.2	88.6	107.3
4Q2012	121.1	116.4	112.4	115.1	143.3	124.9	84.5	108.9
1Q2013	123.1	117.1	113.2	120.5	153.0	130.9	82.2	109.5
2Q2013	118.0	115.7	112.9	121.0	144.0	131.3	86.4	109.3
3Q2013	121.6	116.9	113.1	121.4	143.8	131.3	77.5	109.8
4Q2013	117.3	112.9	117.6	124.1	150.2	134.2	78.4	112.1
1Q2014	114.7	111.7	120.9	129.2	146.3	138.8	76.0	113.3
2Q2014	113.3	111.6	120.8	128.3	128.8	138.0	71.7	112.7
3Q2014	112.0	111.3	119.2	128.3	118.8	138.0	69.7	112.3
4Q2014	103.2	104.9	121.4	128.3	136.9	138.0	70.7	114.8
1Q2015	89.7	94.4	123.5	128.3	131.7	135.5	66.8	114.6
2Q2015	93.2	99.1	121.0	127.9	119.5	132.2	75.6	113.2
3Q2015	87.7	96.7	121.5	127.9	112.1	131.0	64.8	112.1
4Q2015	82.6	91.5	122.4	127.9	112.5	129.0	61.4	114.1
1Q2016	76.1	86.9	119.8	127.9	107.4	127.3	61.6	114.1
2Q2016	83.4	92.6	113.9	127.7	93.3	123.1	73.8	113.1
3Q2016	87.1	94.9	116.2	127.7	92.6	123.1	75.3	111.4
4Q2016	93.4	98.2	122.0	127.7	106.6	123.1	108.2	114.8
1Q2017	97.0	102.3	123.8	128.2	112.7	122.6	117.1	116.1
2Q2017	93.0	99.6	121.9	135.7	100.6	122.3	133.9	115.2
3Q2017	93.8	99.1	122.4	139.2	100.9	123.1	112.0	114.4
4Q2017	99.1	102.0	127.4	142.3	110.7	123.1	129.3	117.7
1Q2018	99.9	103.3	131.8	142.3	120.2	123.4	123.1	118.7
2Q2018	106.8	107.1	126.8	144.7	119.7	124.8	124.7	116.6
3Q2018	110.2	110.6	129.7	150.3	128.0	128.9	132.1	116.0
4Q2018	110.8	110.2	141.1	155.2	134.0	132.5	130.1	120.2
1Q2019	102.9	104.8	147.3	147.6	128.8	121.2	129.4	121.7
2Q2019	107.4	110.0	141.4	163.8	109.6	132.6	153.6	120.8
3Q2019	108.0	109.8	139.9	163.8	104.9	132.6	153.7	121.0
4Q2019	105.8	108.2	149.6	160.3	115.5	121.0	112.1	125.0
1Q2020	99.3	106.6	149.2	160.3	115.7	121.0	120.9	126.2
2Q2020	77.8	93.4	..	160.6	94.7	116.8	..	126.6
3Q2020

UNITED KINGDOM

Sources

Data for all energy products, including energy price indices, are provided on a quarterly basis by the **Department for Business, Energy and Industrial Strategy (BEIS)**.

Data collection methodology

Prices refer to the United Kingdom unless otherwise specified.

Oil products

For heavy fuel oil for electricity generation, prices are based on quarterly surveys carried out among major power companies, where companies provide volume and value data of purchased fuels. End-use prices are calculated by the reporting agency as the ratio between total expenditures and total purchased volumes. Ex-tax prices are derived by subtracting the applicable tax components from the end-use prices. Prices shown exclude fuels used to initiate combustion of heavy fuel.

For light fuel oil for industry, prices are based on quarterly surveys carried out among 600 manufacturing industries in Great Britain. In these surveys, companies provide volume and value data of purchased fuels. End-use prices are calculated by the reporting agency as the ratio between total expenditures and total purchased volumes. Ex-tax prices are derived by subtracting the applicable tax components from the end-use prices.

For light fuel oil for households, automotive diesel and unleaded premium (98 and 95 RON) gasoline, prices are based on monthly surveys carried out among major oil product suppliers (including supermarkets). In these surveys, companies report their average selling prices. Reported prices are weighted by annual sales volumes to produce average end-use prices. Ex-tax prices are derived by subtracting the applicable tax components from the end-use prices.

Natural gas

For industry, prices are based on monthly surveys carried out among major natural gas suppliers. In these surveys, companies provide value and volume data for natural gas sold to industry in all consumption bands. End-use prices are calculated by the reporting agency as the ratio between total sales value and total sales volume.

Ex-tax prices are derived by subtracting the applicable tax components from the end-use prices.

For households, prices are based on annual surveys carried out among domestic natural gas suppliers who provide average prices and customer numbers. Quarterly data are derived using the annual figures and the quarterly consumer price index growth rates for natural gas. Ex-tax prices are derived by subtracting the applicable tax components from the end-use prices.

For electricity generation, prices are based on quarterly surveys carried out among major electric power companies. In these surveys, companies provide volume and value data of purchased fuels. End-use prices are calculated by the reporting agency as the ratio between total expenditures and total purchased volumes. Ex-tax prices are derived by subtracting the applicable tax components from the end-use prices.

Steam and coking coal

For industry, prices are based on quarterly surveys carried out among 600 manufacturing industries in Great Britain. In these surveys, companies provide volume and value data of purchased fuels. End-use prices are calculated by the reporting agency as the ratio between total expenditures and total purchased volumes. Ex-tax prices are derived by subtracting the applicable tax components from the end-use prices.

For households, prices are collected by the reporting agency from the Office for National Statistics' survey of monthly coal prices for households, covering local retailers in up to 146 areas throughout the United Kingdom. Ex-tax prices are derived by subtracting the applicable tax components from the end-use prices.

For electricity generation, prices are based on quarterly surveys carried out among major electric power companies. In these surveys, companies provide volume and value data of purchased steam coal. End-use prices are calculated by the reporting agency as the ratio between total expenditures and total purchased volumes. Ex-tax prices are derived by subtracting the applicable tax components from the end-use prices.

Electricity

For industry, prices are based on monthly surveys carried out among major electricity suppliers. In these surveys, companies provide value and volume data for electricity sold to industry in all consumption bands. End-use prices are calculated by the reporting agency as the ratio between total sales value and total sales volume. Ex-tax prices are derived by subtracting the applicable tax components from the end-use prices.

For households, prices are based on annual surveys carried out among domestic electricity suppliers who provide average prices and customer numbers. Quarterly data are derived using the annual figures and the quarterly consumer price index growth rates for electricity. Ex-tax prices are derived by subtracting the applicable tax components from the end-use prices.

Energy price indices

Annual indices are 12-month averages.

From 1Q1996 onwards, retail price indices correspond to Consumer Price Indices (CPIs) taken from the Office for National Statistics' *Consumer Price Inflation bulletin*. Wholesale indices are based on the corresponding fuel price indices for the industrial sector, published in BEIS's *Quarterly Energy Prices*.

Wholesale indices for oil products refer to the weighted average of medium fuel oil, gas oil, aviation fuel (AV-TUR) and diesel (DERV). Retail indices refer to the weighted average of ULSP (ultra-low sulphur petrol), ULSD (ultra-low sulphur diesel) and motor oil.

Wholesale indices for electricity are based on the average unit value (excluding VAT) of sales to industrial customers.

Wholesale indices for natural gas are based on the average unit value (excluding VAT) of sales to industrial customers of natural gas.

Wholesale indices for coal are based on the average unit value (excluding VAT) of sales to industrial customers of coal, whereas retail indices refer to smokeless fuel and coal.

Energy taxation

VAT

VAT is refunded for purchases for commercial purposes. Therefore, it is not included in prices shown for the industrial and electricity generation sectors, as well as for automotive fuels for commercial use. A reduced VAT rate applies to light fuel oil, natural gas, coal and electricity sold to domestic users.

From	To	General %	Reduced %
01.04.94	31.08.97	17.5	8
01.09.97	30.11.08	17.5	5
01.12.08	31.12.09	15	5
01.01.10	03.01.11	17.5	5
04.01.11	now	20	5

Excise tax

Excise taxes on commercial energy products are levied in accordance with the 2003 EU Energy Taxation Directive.

Tax applicability table (not exhaustive)

	HSFO	LFO	Diesel	Gasoline	LPG	Natural gas	Steam coal	Coking coal	Electricity
Hydrocarbon oil duty	x	x	x	x	x				
Climate change levy					x	x	x	x	x

Hydrocarbon oil duty

The Hydrocarbon oil duty currently in place was legally established by the Hydrocarbon Oil Duties Act 1979. It applies to heavy and light fuel oil, automotive diesel, gasoline and compressed natural gas (CNG) and LPG used for transportation and heat-raising.

Climate Change Levy

Introduced on 1 April 2001, the Climate Change Levy is legally defined in the Finance Act 2000. Depending on their use, electricity, natural gas, LPG and solid fuel sales are subject to this tax. The Climate Change Levy applies to commercial and industrial uses only. Households, transportation, and non-energy uses are exempt.

Originally, electricity generated from renewable sources and from approved cogeneration schemes was not taxed, but this exemption was lifted on 1 August 2015.

Currently, the legislation sets two rate levels for this levy and a series of discounts for certain users. The first rate, also called the main rate, applies to general consumption of the taxable fuels by commercial, industrial or agricultural users. Discounts in this rate are applicable to energy-intensive businesses with a climate change agreement (CCA) in place with the Environmental Protection Agency. As of 1st April 2020, holders of a CCA are entitled to the following discount rates: 92% for electricity and 81% for natural gas, 77% for LPG and 81% for solid fuel.

The second rate came into effect on 1 April 2013 and applies to fuels used for electricity generation and combined heat and power generation, which were previously exempt. This second rate is referred to as the carbon price support (CPS) rate and is considerably lower than the main rate. Small generators, stand-by generators and generating stations in Northern Ireland are exempt from this tax component.

Hydrocarbon oil duty

From	To	Heavy fuel oil (GBP/tonne)	Light fuel oil (GBP/1000l)	Automotive diesel (GBP/l)	Gasoline (GBP/l)	Automotive LPG (GBP/kg)
01.04.04	02.12.04	38.890	42.200	0.4710	0.4710	n.a.
03.12.04	05.12.05	49.070	52.200	0.4710	0.4710	n.a.
06.12.05	06.12.06	61.490	64.400	0.4710	0.4710	n.a.
07.12.06	30.09.07	74.210	76.900	0.4835	0.4835	0.1221
01.10.07	30.11.08	94.570	96.900	0.5035	0.5035	0.1649
01.12.08	31.03.09	98.340	100.70	0.5235	0.5235	0.2077
01.04.09	31.08.09	101.80	104.20	0.5419	0.5419	0.2482
01.09.09	31.03.10	105.57	108.00	0.5619	0.5619	0.2767
01.04.10	30.09.10	107.40	109.90	0.5719	0.5719	0.3053
01.10.10	31.12.10	109.33	111.80	0.5819	0.5819	0.3195
01.01.11	22.03.11	110.76	113.30	0.5895	0.5895	0.3304
23.03.11	now	108.82	111.40	0.5795	0.5795	0.3161

Climate change levy

From	To	Natural gas (GBP/MWh)	Coal (GBP/tonne)	Electricity (GBP/MWh)	Automotive LPG (GBP/tonne)
01.04.01	31.03.07	1.50	11.70	4.30	9.600
01.04.07	31.03.08	1.54	12.01	4.41	9.850
01.04.08	31.03.09	1.59	12.42	4.56	10.18
01.04.09	31.03.11	1.64	12.81	4.70	10.50
01.04.11	31.03.12	1.69	13.21	4.85	10.83
01.04.12	31.03.13	1.77	13.87	5.09	11.37
01.04.13	31.03.14	1.82	14.29	5.24	11.72
01.04.14	31.03.15	1.88	14.76	5.41	12.10
01.04.15	31.03.16	1.93	15.12	5.54	12.40
01.04.16	31.03.17	1.95	15.26	5.59	12.51
01.04.17	31.03.18	1.98	15.51	5.68	12.72
01.04.18	31.03.19	2.03	15.91	5.83	13.04
01.04.19	31.03.20	3.39	26.53	8.47	21.75
01.04.20	31.03.21	4.06	31.74	8.11	21.75
01.04.21	TBD	4.65	36.40	7.75	21.75

Product specifications

Oil products

	High sulphur fuel oil	Light fuel oil	Automotive diesel	Premium unleaded (98 RON) gasoline	Premium unleaded (95 RON) gasoline
Quality	Heavy fuel oil, class G	Heating gasoil, class D	Ultra-low sulphur diesel, Class A	Super unleaded 98 RON	Ultra low-sulphur petrol, 95 RON
Density (kg/l)	0.98	0.847	0.845	0.736 - 0.739	0.736 - 0.739
Sulphur content (%)	2-3				
NCV (kcal/kg)	9 870	10 260			
Delivery size (tonne/year)	<24 000				

Natural gas and coal

	Natural gas	Steam coal <i>industry</i>	Steam coal <i>electricity generation</i>
Sulphur content (%)		0.5 - 2.6	
Ash content (%)		3 - 19	
Water content (%)			
NCV (kcal/kg)			5 653
GCV (kcal/kg)*	8 400	5 280 - 7 930	

*kcal/m³ for natural gas

UNITED STATES

Table 1 - Average prices and taxes in US dollars

Heavy fuel oil for industry (per tonne)					Heavy fuel oil for electricity generation (per tonne)					
	Ex-tax price	Excise tax	Sales tax	Total tax	Total price	Ex-tax price	Excise tax	Sales tax	Total tax	Total price
2009	354.0	18.2	372.3	363.0	18.2	381.2
2010	458.8	23.6	482.4	505.0	23.6	528.6
2011	637.0	32.8	669.9	733.6	32.8	766.4
2012	690.9	35.6	726.5	846.0	35.6	881.6
2013	660.2	34.0	694.2	774.9	34.0	809.0
2014	614.9	31.7	646.6	771.6	31.7	803.3
2015	335.9	17.3	353.2	416.6	17.3	433.9
2016	250.9	12.9	263.8	341.3	12.9	354.2
2017	341.7	17.6	359.3	443.6	17.6	461.2
2018	442.4	22.8	465.2	518.1	22.8	540.9
2019	420.6	21.7	442.3	511.1	21.7	532.8
3Q2019	412.2	21.2	433.4	514.4	21.2	535.6
4Q2019	432.1	22.3	454.3	502.1	22.3	524.4
1Q2020	468.2	24.1	492.3	484.6	24.1	508.7
2Q2020	270.3	13.9	284.3	274.9	13.9	288.8
3Q2020
Light fuel oil for industry (per 1000 litres)					Light fuel oil for households (per 1000 litres)					
	Ex-tax price	Excise tax	Sales tax	Total tax	Total price	Ex-tax price	Excise tax	Sales tax	Total tax	Total price
2009	416.3	21.4	437.7	665.7	32.6	698.3
2010	539.3	27.8	567.1	781.6	38.3	819.9
2011	730.4	37.6	768.0	971.5	47.6	1 019.1
2012	761.5	39.2	800.8	1 000.3	49.0	1 049.3
2013	745.3	38.4	783.7	999.4	49.0	1 048.4
2014	688.8	35.5	724.3	981.8	48.1	1 029.9
2015	393.2	20.3	413.5	699.9	34.3	734.2
2016	311.3	16.0	327.4	555.6	27.2	582.8
2017	401.9	20.7	422.6	662.3	32.5	694.8
2018	502.9	25.9	528.9	795.6	39.0	834.6
2019	476.2	24.5	500.7	792.4	38.8	831.2
3Q2019	461.5	23.8	485.3	765.3	37.5	802.8
4Q2019	479.2	24.7	503.9	795.7	39.0	834.7
1Q2020	402.6	20.7	423.4	739.3	36.2	775.5
2Q2020	224.6	11.6	236.2	528.0	25.9	553.9
3Q2020
Automotive diesel for commercial use (per litre)					Automotive diesel for non-commercial use (per litre)					
	Ex-tax price	Excise tax	Sales tax	Total tax	Total price	Ex-tax price	Excise tax	Sales tax	Total tax	Total price
2009	0.515	0.136	0.651	0.515	0.136	0.651
2010	0.652	0.139	0.791	0.652	0.139	0.791
2011	0.877	0.139	1.016	0.877	0.139	1.016
2012	0.908	0.141	1.049	0.908	0.141	1.049
2013	0.894	0.142	1.036	0.894	0.142	1.036
2014	0.868	0.143	1.011	0.868	0.143	1.011
2015	0.565	0.150	0.715	0.565	0.150	0.715
2016	0.460	0.127	..	0.150	0.610	0.460	0.127	..	0.150	0.610
2017	0.549	0.129	..	0.152	0.701	0.549	0.129	..	0.152	0.701
2018	0.685	0.132	..	0.156	0.841	0.685	0.132	..	0.156	0.841
2019	0.648	0.134	..	0.160	0.807	0.648	0.134	..	0.160	0.807
3Q2019	0.637	0.135	..	0.161	0.798	0.637	0.135	..	0.161	0.798
4Q2019	0.647	0.135	..	0.161	0.808	0.647	0.135	..	0.161	0.808
1Q2020	0.603	0.136	..	0.162	0.765	0.603	0.136	..	0.162	0.765
2Q2020	0.480	0.136	..	0.162	0.642	0.480	0.136	..	0.162	0.642
3Q2020

UNITED STATES

Table 2 - Average prices and taxes in US dollars

Premium unleaded (98 RON) gasoline (per litre)						Premium unleaded (95 RON) gasoline (per litre)				
	Ex-tax price	Excise tax	Sales tax	Total tax	Total price	Ex-tax price	Excise tax	Sales tax	Total tax	Total price
2009	0.557	0.127	0.684	0.526	0.127	0.654
2010	0.668	0.130	0.798	0.636	0.130	0.766
2011	0.863	0.133	0.996	0.830	0.133	0.963
2012	0.894	0.135	1.029	0.859	0.135	0.994
2013	0.875	0.135	1.010	0.833	0.135	0.968
2014	0.843	0.137	0.980	0.800	0.137	0.937
2015	0.602	0.144	0.746	0.553	0.144	0.697
2016	0.548	0.109	..	0.143	0.691	0.490	0.109	..	0.143	0.633
2017	0.625	0.111	..	0.146	0.771	0.563	0.111	..	0.146	0.709
2018	0.722	0.112	..	0.148	0.870	0.660	0.112	..	0.148	0.808
2019	0.709	0.114	..	0.150	0.859	0.641	0.114	..	0.150	0.791
3Q2019	0.718	0.115	..	0.151	0.870	0.651	0.115	..	0.151	0.803
4Q2019	0.716	0.115	..	0.151	0.867	0.649	0.115	..	0.151	0.801
1Q2020	0.661	0.116	..	0.152	0.812	0.595	0.116	..	0.152	0.747
2Q2020	0.537	0.116	..	0.152	0.689	0.470	0.116	..	0.152	0.622
3Q2020
Regular unleaded (91 RON) gasoline (per litre)						Natural gas for industry (per megawatt hour GCV)				
	Ex-tax price	Excise tax	Sales tax	Total tax	Total price	Ex-tax price	Excise tax	Sales tax	Total tax	Total price
2009	0.495	0.127	0.622	17.59
2010	0.605	0.130	0.735	17.83
2011	0.799	0.133	0.932	16.89
2012	0.823	0.135	0.958	12.83
2013	0.791	0.135	0.926	15.34
2014	0.752	0.137	0.889	18.34
2015	0.496	0.144	0.640	12.91
2016	0.425	0.109	..	0.143	0.568	11.63
2017	0.493	0.111	..	0.146	0.639	13.54
2018	0.572	0.112	..	0.148	0.720	13.89
2019	0.536	0.114	..	0.150	0.686	12.91
3Q2019	0.549	0.115	..	0.151	0.700	10.89
4Q2019	0.534	0.115	..	0.151	0.685	12.36
1Q2020	0.484	0.116	..	0.152	0.636	11.63
2Q2020	0.358	0.116	..	0.152	0.510	9.26
3Q2020
Natural gas for electricity generation (per megawatt hour GCV)						Natural gas for households (per megawatt hour GCV)				
	Ex-tax price	Excise tax	Sales tax	Total tax	Total price	Ex-tax price	Excise tax	Sales tax	Total tax	Total price
2009	16.14	40.04
2010	17.32	36.95
2011	16.13	36.41
2012	11.66	35.32
2013	14.76	34.02
2014	17.00	36.13
2015	11.02	34.23
2016	9.80	33.17
2017	11.50	35.87
2018	12.10	34.55
2019	9.82	34.87
3Q2019	8.55	59.77
4Q2019	9.48	32.62
1Q2020	8.16	31.42
2Q2020	6.95	38.78
3Q2020

UNITED STATES

Table 3 - Average prices and taxes in US dollars

Steam coal for industry (per tonne)					Steam coal for electricity generation (per tonne)					
	Ex-tax price	Excise tax	Sales tax	Total tax	Total price	Ex-tax price	Excise tax	Sales tax	Total tax	Total price
2009	71.54	50.47
2010	70.54	51.79
2011	71.76	54.74
2012	81.37	54.52
2013	79.39	53.61
2014	80.06	54.09
2015	75.19	50.94
2016	71.61	48.33
2017	70.25	47.10
2018	69.81	47.08
2019	68.36	46.25
3Q2019	67.51	45.65
4Q2019	65.98	44.62
1Q2020	65.31	44.16
2Q2020	65.74	44.45
3Q2020
Steam coal for households (per tonne)					Coking coal for industry (per tonne)					
	Ex-tax price	Excise tax	Sales tax	Total tax	Total price	Ex-tax price	Excise tax	Sales tax	Total tax	Total price
2009	158.20
2010	160.84
2011	200.52
2012	202.64
2013	197.72
2014	199.39
2015	187.25
2016	178.35
2017	174.95
2018	173.86
2019	170.25
3Q2019	168.12
4Q2019	164.33
1Q2020	162.66
2Q2020	163.72
3Q2020
Electricity for industry (per megawatt hour)					Electricity for households (per megawatt hour)					
	Ex-tax price	Excise tax	Sales tax	Total tax	Total price	Ex-tax price	Excise tax	Sales tax	Total tax	Total price
2009	68.1	115.1
2010	67.9	115.8
2011	68.2	117.2
2012	66.7	118.8
2013	68.4	121.2
2014	71.0	125.2
2015	69.1	126.5
2016	67.6	125.5
2017	68.8	128.9
2018	69.2	128.7
2019	68.3	130.4
3Q2019	72.5	132.7
4Q2019	66.6	128.5
1Q2020	63.8	129.0
2Q2020	65.6	132.0
3Q2020

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Table 4 - Indices of energy prices

	Oil products		Electricity		Natural gas		Coal	
	Wholesale 1982 = 100	Retail 1982-84 = 100	Wholesale 1982 = 100	Retail 1982-84 = 100	Wholesale 1982 = 100	Retail 1982-84 = 100	Wholesale 1982 = 100	Retail
1999	60.9	99.4	128.9	126.5	91.2	113.0	90.7	..
2000	91.3	128.7	131.5	128.5	155.5	132.0	87.9	..
2001	85.3	124.1	141.1	137.8	171.8	158.3	96.2	..
2002	79.5	115.8	139.9	136.2	122.5	135.3	99.8	..
2003	97.7	135.2	145.8	139.5	214.5	166.3	99.9	..
2004	119.9	159.7	147.2	142.1	245.9	180.1	109.2	..
2005	165.0	195.7	156.2	150.8	335.4	215.4	116.8	..
2006	193.2	220.8	172.8	169.2	280.3	220.8	126.6	..
2007	214.2	239.0	180.4	175.8	273.8	217.7	130.7	..
2008	271.7	280.9	189.1	187.1	344.0	247.8	161.7	..
2009	175.5	203.0	190.6	192.7	160.0	193.7	182.5	..
2010	225.2	240.1	193.1	193.1	185.8	189.7	189.5	..
2011	298.9	303.8	203.5	196.7	171.4	184.3	207.1	..
2012	306.5	313.3	209.6	196.6	117.9	166.6	211.4	..
2013	294.7	304.6	203.7	200.8	153.9	174.5	208.1	..
2014	278.0	293.2	218.0	208.0	182.4	186.8	199.9	..
2015	176.0	213.2	223.7	209.2	105.4	164.6	194.0	..
2016	143.8	188.1	213.6	207.0	96.2	160.6	189.6	..
2017	174.4	212.6	240.6	211.4	118.7	173.4	195.8	..
2018	213.6	242.1	247.0	212.9	112.1	173.6	199.6	..
2019	194.3	233.3	243.3	213.4	85.5	171.0	199.9	..
3Q2012	307.9	315.5	222.1	202.9	119.0	164.5	208.9	..
4Q2012	298.8	304.5	213.4	192.8	140.7	170.1	212.1	..
1Q2013	300.9	309.5	199.2	194.4	141.8	171.6	208.9	..
2Q2013	296.0	311.6	204.7	200.9	168.7	178.3	210.6	..
3Q2013	298.8	310.2	210.7	209.1	150.7	174.8	206.9	..
4Q2013	283.2	287.2	200.2	198.6	154.2	173.1	206.1	..
1Q2014	287.7	296.8	214.8	203.1	208.7	188.5	204.0	..
2Q2014	299.3	318.8	216.7	207.6	191.6	192.6	202.0	..
3Q2014	290.3	304.6	226.8	216.7	167.3	185.7	196.8	..
4Q2014	234.8	252.4	213.9	204.6	162.0	180.2	196.9	..
1Q2015	171.4	200.9	220.6	207.6	119.4	174.6	197.5	..
2Q2015	195.5	233.7	222.5	210.4	103.6	163.9	196.6	..
3Q2015	185.2	227.6	236.1	215.4	108.7	162.3	192.0	..
4Q2015	152.0	190.7	215.5	203.3	89.9	157.6	190.0	..
1Q2016	120.7	166.2	204.7	202.7	80.7	155.8	186.7	..
2Q2016	145.7	197.0	209.7	206.8	75.8	155.0	192.9	..
3Q2016	152.9	193.2	227.2	214.3	110.8	164.2	187.6	..
4Q2016	155.8	196.1	212.6	204.2	117.6	167.5	191.1	..
1Q2017	165.6	205.2	233.0	205.8	131.0	172.0	197.7	..
2Q2017	166.7	209.8	240.8	212.0	120.2	174.4	195.8	..
3Q2017	175.2	214.2	251.2	219.0	112.8	173.4	194.2	..
4Q2017	190.1	221.0	237.6	209.0	110.7	173.9	195.6	..
1Q2018	198.1	227.8	243.2	210.5	110.7	176.3	198.6	..
2Q2018	220.5	251.7	244.7	213.5	99.7	173.3	200.0	..
3Q2018	225.4	253.1	257.6	217.1	104.8	172.0	199.1	..
4Q2018	210.4	235.5	242.6	210.6	133.3	172.9	200.8	..
1Q2019	180.8	213.0	243.5	210.9	108.6	176.4	200.8	..
2Q2019	208.0	249.4	243.5	213.6	80.4	169.5	199.8	..
3Q2019	195.5	237.4	254.9	217.9	73.3	166.8	200.6	..
4Q2019	193.0	233.6	231.4	211.0	79.8	171.5	198.3	..
1Q2020	171.3	217.2	233.5	211.8	61.9	171.6	189.8	..
2Q2020	109.0	174.7	239.5	213.7	55.3	168.1	191.8	..
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Sources

Prices and taxes data for all products are provided on a quarterly basis by the **Energy Information Administration (EIA)**.

Energy price indices are extracted from the **Bureau of Labor Statistics (BLS)** website.

Data collection methodology

From 1Q1993 onwards, the most recent quarterly average is based on historical prices for two months of the quarterly period and an estimate of the third month. These monthly data are then averaged for the publication quarter.

Prices from 4Q1984 to 4Q1992 refer to the second month of the quarter. Prior to 4Q1984, prices refer to the first month of the quarter.

Oil products

The general state sales taxes are always levied on sales of non-transport fuels to non-commercial users. Sales of transport fuels to commercial users are generally exempt from the general sales tax because special transport fuel taxes exist in all states and in some municipalities. However, in about eight states both taxes are cumulated. The estimates of national weighted average rates and amounts take account of this situation as far as possible. In addition to the above, a federal fuel tax applies to transport fuels, as described in the Energy taxation section of this document.

The excise taxes for transport fuels are calculated using the excise taxes data published by the EIA on *Federal and State Motor Fuel Taxes* and U.S. Department of Transportation's Federal Highway Administration on *Highway Statistics*. The excise taxes are the sum of the federal and state taxes as well as the excise tax portion of the "other taxes and fees" category. The state excise taxes and the excise portion of the "other taxes and fees" category are calculated as the weighted average based on gross volume taxed.

For heavy fuel oil for industry, prices refer to the average of high sulphur fuel oil and low sulphur fuel oil monthly prices collected by the DOE/EIA using Form EIA-782A, *Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report*, among 95 sample refining units. Monthly data is published in the DOE/EIA's *Petroleum Marketing Monthly*, table "U.S. Refiner

Residual Fuel Oil Prices" and *Monthly Energy Review*, table "Refiner Prices of Residual Fuel Oil" column "Sulfur Greater than 1 Percent, Sales to End-Users".

For heavy fuel oil for electricity generation, prices refer to the average expenditure per tonne on heavy fuel oils no. 4, 5 and 6 and topped crude by electric utilities with more than 50 MW of capacity. Prior to 1983, prices refer to utilities with capacity of more than 25 MW. Prices are surveyed by the DOE/EIA. From 2008 onwards, prices are collected every month by the DOE/EIA using Form EIA-923, *Power Plant Operations Report*. Prior to 2008, monthly survey using Form FERC-423, *Monthly Report of Cost and Quality of Fuels for Electric Plants*. Monthly data is published in the DOE/EIA's, *Electric Power Monthly*, table "Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities" and *Monthly Energy Review*, table "Cost of Fossil Fuel Receipts at Electric Generating Plants".

For light fuel oil for industry, prices cover the whole distillate end-use market; 25% of it is handled by refiners and 75% by resellers and retailers. Prices are collected every month by the DOE/EIA using Form EIA-782A, *Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report* among 95 sample refining units and, until February 2011, using Form EIA-782B, *Resellers'/Retailers' Monthly Petroleum Product Sales Report*. Monthly data is published in the DOE/EIA's *Petroleum Marketing Monthly*, table "U.S. No. 2 Distillate Prices by Sales Type", column "Industrial Consumers".

For light fuel oil for households, prices are regularly surveyed in a nation-wide sample of households and include all fees, taxes and rebates. Data are collected by the BLS in 85 urban areas representing 80% of the total population. Data are published in the BLS' *CPI Detailed Report*, monthly.

For automotive diesel, prices refer to the sum of an official ex-tax price and an estimate of the total tax amount, including federal, state and local taxes among others. The ex-tax price corresponds to the average charged by refinery-owned retail outlets. These outlets represent about 20%-30% of the total market.

From 2Q1994 onwards, prices are collected every week by the DOE/EIA using Form EIA-888, *On-Highway Diesel Fuel Price Survey*. Weekly data is published in the DOE/EIA's *Weekly Petroleum Status Report*, table "U.S. Retail Motor Gasoline and On-Highway Diesel Fuel Prices". Prior to 2Q1994, prices were collected every month by the DOE/EIA using Form EIA-782A, *Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report* among 95 sample refining units and 782B, *Resellers'/Retailers' Monthly Petroleum Product Sales Report* among 2000 respondents. Monthly data was published in the DOE/EIA's *Petroleum Marketing Monthly*.

For regular and premium unleaded gasoline, prices refer to the city retail price, average of full-, mini- and self-service stations. Data are collected by the DOE/EIA using Form EIA-878, *Motor Gasoline Price Survey* among 1200 sample units. Data are published in the DOE/EIA's *Monthly Energy Review*, table "Motor Gasoline Retail Prices, U.S. City Average", and *Weekly Petroleum Status Report*, table "U.S. Retail Motor Gasoline and On-Highway Diesel Fuel Prices". Prior to 1994, prices were collected by the BLS' *Monthly Retail Price Survey* for the purpose of computing the national consumer price index. Filling stations in 85 urban areas were surveyed, covering about 80% of the total U.S. population. Data were published in the DOE-EIA's *Monthly Energy Review* and *Weekly Petroleum Status Report*.

Natural gas

Taxes are included in the prices for households, industry and electricity generation. They mostly refer to general sales taxes levied by the States. The rates range between 2% and 6% and their national average is currently unknown.

For industry and households, prices are calculated on gas that is both delivered and sold to these customers. Prices are collected by the DOE/EIA using Form EIA-857, *Monthly Report of Natural Gas Purchases and Deliveries to Customers*, addressed to a sample of approximately 400 natural gas companies. The sample includes interstate pipeline companies, intrastate pipeline companies, and local distribution companies. Data are published in the DOE-EIA's *Natural Gas Monthly*, table "Average Price of Natural Gas Sold to Residential Consumers, by State", and "Average Price of Natural Gas Sold to Industrial Consumers, by State".

For electricity generation, prices refer to monthly average expenditures per MWh incurred by power companies for all natural gas purchases. The price shown includes small quantities of coke oven gas, refinery gas and blast furnace gas. Prices are collected by the DOE/EIA using Form EIA-923, *Power Plant Operations Report*, addressed to electric power companies. Prior to 2008, prices were collected by the DOE/EIA using Form EIA-423, *Monthly Cost and Quality of Fuels for Electric Plants Report* and FERC Form 423: *Monthly Report of Cost and Quality of Fuels for Electric Plants Report*. Data are published in the DOE-EIA's *Electric Power Monthly*, table "Receipts, Average Cost, and Quality of Fossil Fuels: Total (All Sectors)" and *Monthly Energy Review*, table "Cost of Fossil Fuel Receipts at Electric Generating Plants".

Steam and coking coal

Taxes on coal consist of severance taxes (a percentage of the value of production, which vary from state to state),

and federal taxes (in the form of a corporate income tax, levied in the range from 15% to 35%). The national average of these taxes is not available.

Prices for steam coal for industry refer to the quarterly average expenditure per tonne paid by industrial plants, including taxes. Data are collected by the DOE/EIA using Form EIA-3, *Quarterly Coal Consumption and Quality Report, Manufacturing and Transformation/Processing Coal Plants and Commercial and Institutional Coal Users*. Data are published in the DOE/EIA's *Quarterly Coal Report*, tables "Average Price of Coal Receipts at Coke Plants by Census Division", "Average Price of Coal Receipts at Other Industrial Plants by Census Division and State" and "Average Price of Coal Receipts at Commercial and Institutional Users by Census Division and State".

Prices for steam coal for electricity generation refer to the quarterly average of expenditure per tonne incurred by Electric Power companies for all kinds of coal purchased, including taxes if applicable. Data are collected by the DOE/EIA using Form EIA-923, *Power Plant Operations Report*, addressed to utilities. Data are published in the DOE/EIA's *Electric Power Monthly Report*, table "Receipts, Average Cost, and Quality of Fossil Fuels: Total (All Sectors)".

From 1980 onwards, prices for coking coal for industry refer to the quarterly average expenditure per tonne for coking coal incurred by coke plants. Prior to 1980, prices refer to the average export price (FOB) for Customs Commodity Schedule E No. 3222020. Data are collected by the DOE/EIA using Form EIA-5, *Quarterly Coal Consumption and Quality Report - Coke Plants*. Data are published in the DOE/EIA's *Quarterly Coal Report*, tables "Average Price of Coal Receipts at Coke Plants by Census Division", "Average Price of Coal Receipts at Other Industrial Plants by Census Division and State" and "Average Price of Coal Receipts at Commercial and Institutional Users by Census Division and State".

Electricity

From 1Q1984 onwards, electricity prices refer to the second month of each quarter. Prior to 4Q1983, prices refer to the first month of each quarter.

Prices shown include taxes, which are mostly general sales taxes levied by the states; their rates are between 2% and 6%, but their national weighted average is unknown.

Prices shown for industry and households are the monthly average revenues per MWh received by privately owned power companies from the industry and households. Prices are subject to significant seasonal upswings in the summer months as a result of heavy demand for air conditioning.

Monthly prices are collected by the DOE/EIA using using Form EIA-826, *Monthly Electric Utility Sales and Revenue Report with State Distributions*. Data are published in the DOE/EIA's *Monthly Energy Review*, table "Average Retail Prices of Electricity".

From January 1986, national average price estimates are based on data, as reported through a statistically derived sample of both publicly and privately owned utilities, which respond on the Form EIA-861, *Annual Electric Power Industry Report*. Prices from 1980 through 1985 cover selected privately owned electric utilities in Class A whose electric operating revenue were 100 million USD or more during the previous year. Prices for 1979 cover privately owned electric utilities in Classes A and B.

Energy price indices

Annual and quarterly indices are 12-month and 3-month averages, respectively, of the monthly data published by the Bureau of Labor Statistics.

Wholesale indices for oil products refer to "*Petroleum products, refined*" (commodity code 057). Retail indices refer to the average of "*gasoline, all types (U.S. city average)*" and "*fuel oil (U.S. city average)*" series, weighted by quantities.

Wholesale indices for electricity refer to "*Industrial electric power*" (commodity code 0543). Retail indices refer to "*Electricity (U.S. city average)*".

Wholesale indices for natural gas refer to "*Natural gas*" (commodity code 0531). Retail indices refer "*Utility (piped) gas service (U.S. city average)*".

Wholesale indices for coal refer to "*Coal*" (commodity code 051).

Energy taxation

VAT

Sales taxes are levied by states and some other local administrations. There is no federal sales tax. Computing an average sales tax as regards to individual commercial energy products would require disaggregated consumption data for each product, which are currently not available.

Excise tax

In addition to state and local excise taxes, which in most states make up the majority of the total, the federal government levies a national excise tax on transport fuels.

A federal manufacturer's tax applies to coal. There are no federal excise taxes on other oil products, natural gas, and electricity.

Tax applicability table (not exhaustive)

	HSFO/LSFO	LFO	Diesel	Gasoline	LPG	Natural gas	Steam coal	Coking coal	Electricity
Federal fuel tax			x	x	x				
Manufacturers tax							x	x	

Federal fuel tax

The federal fuel tax currently applies to all grades of gasoline and automotive diesel. Federal taxes on gasoline were introduced on 21 June 1932, while taxation on diesel was introduced on 1 November 1951. Alternative transport fuels, such as automotive LPG and compressed natural gas (CNG), are currently taxed at the same rate as gasoline.

Most of the revenue raised is dedicated to the Federal Highway Trust Fund for the financing of highway and transit programs.

Until 31 December 2004, gasohol (a mixture of gasoline and ethanol) was taxed at a lower rate than gasoline. On 1 January 2005, the tax rate was raised to match that of gasoline.

Between 1 October 1997 and 30 September 2016, an additional 0.01 USD/gallon was levied on sales of gasoline and diesel to finance the Leaking Underground Storage Tank (LUST) Trust Fund.

On 1 October 2016, the LUST contribution was abolished and the fuel tax rates reduced to their "permanent law level" of 0.043 USD/gallon.

Manufacturer's tax

A federal manufacturer's tax applies to the first sale of coal mined in the United States. The tax doesn't apply to sales of lignite and imported coal. Tax revenues are dedicated to the Black Lung Disability Trust Fund.

Production from underground mines is taxed at a higher rate than production from surface mines.

If the selling price for coal is below 25 USD/tonne (underground) or 12.5 USD/tonne (surface), the applicable tax rate is 4.4% of the selling price, to be applied proportionally for portions of a tonne. If the selling price is above these limits, coal is taxes at 1.10 USD/tonne (underground) and 0.55 USD/tonne (surface).

Federal fuel tax

From	To	Automotive diesel (USD/l)	Gasoline (USD/l)
01.01.96	30.09.97	0.0642	0.0483
01.10.97	30.09.16	0.0645	0.0486
01.10.16	now	0.0114	0.0114

Product specifications

Oil products

	Heavy fuel oil <i>industry</i>	Heavy fuel oil <i>electricity generation</i>	Light fuel oil	Automotive diesel	Premium unleaded (97 RON) gasoline	Premium unleaded (95 RON) gasoline	Regular unleaded gasoline
Quality	Residual fuel oil no. 5 and 6 (defined in ASTM D396) includes navy special fuel and bunker oil	Heavy fuel oils no. 4, 5 and 6 and topped crude	No. 2 fuel oil (defined in ASTM D396)	No. 2 distillate (diesel fuel)	Premium unleaded 93 RdON	Midgrade unleaded 89 RdON	Regular unleaded 87 RdON
Octane number					97	95	91
Density (kg/l)	0.944	0.944		0.82			
Sulphur content (%)	≥1						
NCV (kcal/kg)		9 988	10 760				

Natural gas and coal

	Natural gas	Steam coal	Coking coal
Quality		Bituminous coal	
Ash content (%)		4 – 8	
Moisture content (%)		2 – 6	
Volatility (%)		16 - 34	
GCV (kcal/m ³)	9 139		
NCV (kcal/kg)		7 090	

C. TAXATION OF ENERGY PRICES

Table 1
Percentage of taxes in high sulphur fuel oil prices for industry

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia
Austria	x	x	x	x	x	x	x	x	x	x	x	x
Belgium	x	x	x	x	x	x	x	x	x	x	x	x
Canada	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
Chile
Czech Republic	c	c	c	c	c	c	c	c	c	c	c	c
Denmark
Estonia
Finland
France
Germany
Greece
Hungary
Iceland
Ireland	7.7	7.0	7.4	7.8	10.0	18.0	14.6	17.0	18.3	19.6	30.2	..
Israel	c	c	c	c	c	c	c	c	c	c	c	c
Italy
Japan
Korea	11.4	11.1	11.4	11.7	13.3	14.3	13.0	12.3	12.4	12.5	13.8	..
Latvia
Lithuania	3.2	3.0	3.3	3.2	4.9	4.9	5.3	4.6	4.0	3.9	3.9	4.4
Luxembourg	x	x	x	x	x	x	x	x	x	x	x	x
Mexico	-	-	-	-	-	-	-	-
Netherlands	x	x	x	x	x	x	x	x	x	x	x	x
New Zealand	-	-	-	-	-	-	-	-	-	-	-	..
Norway	x	x	x	x	x	x	x	x	x	x	x	x
Poland	3.3	2.8	3.0	3.2	5.3	7.0	5.1	4.1	4.6	4.3	5.8	..
Portugal	x	x	x	x	x	x	x	x	x	x	x	x
Slovak Republic	x	x	x	x	x	x	x	x	x	x	x	x
Slovenia	x	x	x	x	x	x	x	x	x	x	x	x
Spain
Sweden	x	x	x	x	x	x	x	x	x	x	x	x
Switzerland	x	x	x	x	x	x	x	x	x	x	x	x
Turkey	27.2	25.6	25.7	25.5	28.9	29.5	25.3	22.1	22.2	23.6	25.6	..
United Kingdom	x	x	x	x	x	x	x	x	x	x	x	x
United States	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	..

* Percentages for 3Q2020 are based on preliminary values.

Table 2
Percentage of taxes in low sulphur fuel oil prices for industry

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia
Austria	11.8	10.6	11.7	12.5	19.2	22.1	17.4	14.9	14.9	14.5	22.2	19.9
Belgium	2.9	2.6	2.9	3.1	5.6	6.6	4.9	4.1	4.1	4.4	7.5	..
Canada
Chile
Czech Republic	5.1	4.5	4.5	4.7	6.5	7.9	7.1	5.0	4.7	4.1	6.2	..
Denmark	14.7	13.1	15.0	16.0	22.5	28.7	20.2	15.2	15.3	14.5	19.0	..
Estonia
Finland
France	3.5	3.1	3.4	4.1	12.1	20.1	21.0	24.7	24.5	25.7	35.5	..
Germany	4.9	4.4	4.9	5.5	9.0	10.8
Greece	5.0	5.8	6.4	6.9	10.2	11.6	9.3	8.0	7.7	7.9	12.5	..
Hungary	5.1	4.3	4.8	4.3	4.3	5.0	4.6	3.7	4.1	4.0	5.4	..
Iceland
Ireland
Israel	c	c	c	c	c	c	c	c	c	c	c	c
Italy	5.6	4.9	5.5	5.8	8.1	10.0	8.2	7.1	6.5	6.5	9.7	..
Japan	-	-	-	-	-	-	-	-	-	-	-	-
Korea	11.1	10.9	11.2	11.3	12.6	13.2	12.4	12.0	11.9	11.8	13.7	..
Latvia
Lithuania
Luxembourg
Mexico
Netherlands	6.9	6.2	7.0	7.2	7.2	7.2	6.1	5.1	5.3	6.4	10.1	8.5
New Zealand
Norway
Poland	2.9	2.5	2.6	2.7	3.7	4.7	3.9	3.5	3.6	3.7	6.1	..
Portugal	2.2	2.1	2.2	2.3	6.1	7.6	6.2	5.6	8.5	10.9	17.8	..
Slovak Republic	-	-	-	-	-	-	-	-	-	-	-	..
Slovenia	12.6	13.1	17.0	21.1	29.7	25.6	19.8	17.2	15.5	x	x	x
Spain	2.9	2.6	2.9	3.2	4.8	5.9	4.6	3.9	3.9	3.7	6.1	5.8
Sweden	44.3	44.1	46.0	47.3	56.0	61.8	55.9	51.9	47.5	48.4	61.3	56.7
Switzerland	16.0	15.1	16.1
Turkey
United Kingdom	c	c	c	c	c	c	c	c	c	c	c	c
United States

* Percentages for 3Q2020 are based on preliminary values.

Table 3
Percentage of taxes in heavy fuel oil for electricity generation

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia
Austria	2.3	1.5	3.0	2.2	2.3	4.6	6.0	3.0	3.1	3.6	4.4	4.3
Belgium	x	x	x	x	x	x	x	x	x	x	x	x
Canada
Chile
Czech Republic	c	c	c	c	c	c	c	c	c	c	c	c
Denmark
Estonia
Finland
France
Germany	..	c	c	c	c	c	c	c	c	c	c	c
Greece
Hungary	x	x	x	x	x	x	x	x	x	x	x	x
Iceland
Ireland
Israel	0.5	0.5	x	x	x	x	x	x	x	x	x	x
Italy	c	c	c	c	c	c	c	c	c	c	c	c
Japan
Korea
Latvia
Lithuania
Luxembourg
Mexico	-	-	-	-	-	-	-	-	-	-	-	-
Netherlands
New Zealand	c	c	c	c	c	c	c	c	c	c	c	c
Norway	x	x	x	x	x	x	x	x	x	x	x	x
Poland	3.2	2.8	3.0	3.3	5.0	6.0	4.5	3.8	4.4	4.1	5.4	..
Portugal	x	x	x	x	x	x	x	x	x	x	x	x
Slovak Republic	x	x	x	x	x	x	x	x	x	x	x	x
Slovenia
Spain
Sweden
Switzerland
Turkey	27.2	25.6	25.7	25.5	28.9	29.5	25.3	22.1	22.2	23.6	25.6	..
United Kingdom	21.6	20.0	21.5	24.5	35.6	41.8	36.4	29.2	28.5	27.0
United States	4.3	4.0	4.2	3.9	4.0	3.6	3.8	4.2	4.1	4.7	4.8	..

* Percentages for 3Q2020 are based on preliminary values.

Table 4
Percentage of taxes in light fuel oil prices for industry

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia
Austria	17.0	16.1	17.7	17.6	18.6	21.1	21.1	19.1	19.5	22.9	37.1	30.5
Belgium	2.8	2.5	2.7	2.9	3.9	4.7	4.0	3.3	3.4	3.9	5.8	..
Canada	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	..
Chile
Czech Republic	4.0	3.6	3.7	3.8	5.0	6.2	5.3	4.6	4.6	5.2	7.0	..
Denmark	6.4	6.7	7.2	7.7	9.3	10.8	9.5	7.9	7.9	8.3	10.9	..
Estonia	14.2	12.9	13.4	14.1	17.1	21.2	18.7	8.8	7.9	8.0	10.1	10.4
Finland	18.5	17.4	18.3	19.9	27.6	34.8	32.3	30.4	31.4	34.7	45.4	..
France	8.0	7.2	7.6	8.4	14.2	20.1	21.2	22.2	21.5	23.2	28.4	..
Germany	9.2	8.4	9.0	9.9	13.3	16.0	13.6	11.1	11.4	13.4	19.3	17.8
Greece	24.4	32.9	32.0	31.6	31.6	38.5	37.1	35.0	35.2	34.6	45.3	..
Hungary
Iceland
Ireland	5.8	5.3	5.5	6.0	9.1	24.1	22.0	19.1	19.4	20.3	30.6	..
Israel	c	c	c	c	c	c	c	c	c	c	c	c
Italy	35.8	33.5	34.4	35.7	42.1	44.9	42.1	38.7	37.6	38.7	45.0	..
Japan	2.9	2.8	2.6	2.7	3.9	5.4	4.5	3.6	3.8	3.9	5.3	..
Korea	x	x	x	x	x	x	x	x	x	x	x	x
Latvia	4.8	4.3	4.6	5.6	8.5	9.5	8.2	7.3	7.3	10.9	8.5	7.1
Lithuania	3.2	2.9	3.1	3.4	4.5	5.5	4.5	3.9	3.9	4.4	7.1	6.2
Luxembourg	3.1	2.8	3.0	3.2	4.3	5.0	4.3	3.6	3.7	4.3	6.3	..
Mexico	-	-	-	-	-	-	-	-
Netherlands	37.3	36.0	50.1	56.9	57.9	65.7	59.3	55.1	55.4	57.7	68.9	63.8
New Zealand	-	-	-	-	-	-	-	-	-	-	-	..
Norway	21.1	19.8	20.3	18.2	20.4	21.3	35.0	33.1	31.0	x	x	x
Poland	7.9	7.1	7.5	7.9	9.8	10.9	9.9	8.5	8.6	9.2	11.3	..
Portugal
Slovak Republic	-	-	-	-	-	-	x	x	x	x	x	x
Slovenia	17.2	18.0	21.2	26.5	35.6	40.8	35.3	30.3	29.9	30.6	40.6	..
Spain	11.8	10.8	11.6	12.4	16.0	18.9	16.5	14.3	15.2	16.6	23.7	21.3
Sweden	17.3	16.7	17.5	18.1	35.7	46.2	41.2	40.3	39.8	43.0	55.4	..
Switzerland	11.7	11.0	11.4	18.5	25.2	37.4	33.3	30.4	32.2	35.3	47.7	..
Turkey
United Kingdom	17.7	17.0	17.3	19.1	25.4	27.4	23.2	20.0	20.9	22.3
United States	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	..

* Percentages for 3Q2020 are based on preliminary values.

Table 5
Percentage of taxes in light fuel oil prices for households

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia
Austria	28.5	27.6	28.2	28.9	32.0	34.5	32.6	30.2	30.5	32.0	35.0	35.1
Belgium	19.6	19.4	19.5	19.7	20.6	21.2	20.6	20.1	20.1	20.6	22.1	..
Canada	9.9	10.1	9.7	9.7	10.0	10.2	10.1	10.1	11.7	13.8	13.2	..
Chile	14.1	13.7	16.0	16.2	17.6	16.5	15.8	15.9	16.0	16.0	16.0	..
Czech Republic	27.4	26.4	27.5	27.8	30.7	33.5	31.7	29.9	30.0	31.3	35.4	..
Denmark	44.3	43.2	46.0	47.5	46.8	50.4	48.5	44.8	49.7	50.9	57.6	..
Estonia	28.5	27.4	27.8	28.4	31.0	34.3	32.3	24.0	23.2	23.4	25.0	25.3
Finland	33.7	32.9	34.2	35.4	41.6	47.4	45.4	43.9	44.7	47.3	55.9	..
France	22.8	22.2	22.5	23.2	27.4	31.9	32.7	33.7	33.5	34.4	37.8	..
Germany	23.5	22.9	23.3	23.9	26.3	28.4	26.7	24.8	25.0	26.0	28.2	27.1
Greece	23.3	35.1	44.7	44.4	44.4	50.1	49.2	47.5	47.7	47.3	55.9	..
Hungary	x	x	x	x	x	x	x	x	x	x	x	x
Iceland
Ireland	20.6	19.9	20.2	21.4	27.1	33.2	31.3	28.7	29.0	29.7	38.9	..
Israel	52.3	50.3	53.5	55.4	62.1	64.8	63.4	59.7	61.3	62.8	72.9	..
Italy	46.6	45.1	45.9	47.3	52.6	54.9	52.6	49.8	48.9	49.7	54.9	..
Japan	7.0	7.1	7.1	9.1	10.5	11.7	11.0	10.5	10.9	12.1	12.7	..
Korea	16.9	16.5	16.7	15.9	16.7	18.3	17.6	16.8	16.6	16.6	17.9	..
Latvia	22.0	21.2	21.2	22.0	24.4	25.2	24.1	23.4	23.4	26.4	24.4	23.2
Lithuania	20.0	19.8	19.9	20.2	21.0	21.9	21.1	20.6	20.6	21.0	23.2	22.5
Luxembourg	12.1	11.9	12.0	12.1	14.1	14.4	14.1	13.8	13.9	14.1	15.0	..
Mexico	x	x	x	x	x	x	x	x	x	x	x	x
Netherlands	47.3	46.4	58.7	64.4	65.2	71.6	66.3	62.9	63.1	65.0	74.3	70.1
New Zealand
Norway	36.9	35.8	36.2	34.5	36.3	37.1	48.0	46.5	44.8	x	x	x
Poland	25.0	24.3	24.6	24.9	26.3	27.6	26.6	25.7	25.6	25.9	27.6	..
Portugal	34.7	41.3	43.8	45.2	51.0	54.6	51.6	48.6	49.1	51.0	58.7	..
Slovak Republic
Slovenia	31.0	31.7	34.9	39.7	47.2	51.5	47.0	42.9	42.5	43.1	51.3	..
Spain	25.2	25.0	26.9	27.6	30.5	33.0	31.0	29.2	29.9	31.1	36.9	35.0
Sweden	49.6	48.5	49.3
Switzerland	17.6	17.0	17.3	23.9	29.4	39.8	36.1	34.0	35.8	39.2	46.6	..
Turkey	40.3	40.0	42.4	41.0	45.4	47.7	44.5	36.8	35.7	37.8	46.2	..
United Kingdom	21.2	20.5	20.7	22.6	29.1	30.9	26.8	23.5	23.7	25.6	32.0	..
United States	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	..

* Percentages for 3Q2020 are based on preliminary values.

Table 6
Percentage of taxes in automotive diesel prices for commercial use

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia
Austria	47.5	44.8	42.7	43.1	45.0	48.2	47.8	45.2	44.3	47.6	60.4	56.1
Belgium	35.6	33.8	35.1	36.6	42.7	48.4	48.0	46.7	47.7	49.3	56.3	..
Canada	9.5	9.3	8.4	9.0	10.6	11.4	12.4	12.5	14.1	15.5	19.0	..
Chile
Czech Republic	38.3	36.0	36.7	36.5	42.5	48.4	44.9	42.0	41.8	42.9	50.4	..
Denmark	34.9	33.5	32.9	35.9	41.9	45.2	42.2	38.5	38.9	39.4	47.5	..
Estonia	37.2	34.4	35.7	37.3	43.8	45.6	40.1	45.2	44.5	44.1	47.0	44.8
Finland	32.8	37.4	38.7	41.8	48.5	52.9	50.9	47.4	46.7	47.5	55.2	..
France	39.1	36.9	38.8	41.1	49.9	55.6	53.3	50.8	50.8	52.5	61.2	..
Germany	39.3	37.6	39.2	41.1	47.1	50.9	47.4	42.5	43.3	44.4	51.1	50.6
Greece	34.8	31.9	29.5	30.6	35.0	38.3	40.5	37.1	37.0	38.0	45.3	..
Hungary	33.8	33.2	33.9	34.7	40.3	43.7	40.6	36.1	35.9	36.9	42.2	..
Iceland
Ireland	38.5	37.9	38.8	40.5	47.0	53.3	49.4	45.7	46.7	48.3	55.3	..
Israel	c	c	c	c	c	c	c	c	c	c	c	c
Italy	38.1	43.0	45.2	46.9	53.6	58.7	54.4	50.6	50.9	52.1	58.8	..
Japan	32.5	31.6	29.6	28.7	36.8	42.4	37.7	32.4	33.2	34.1	42.1	..
Korea
Latvia	31.8	31.2	32.5	33.6	39.3	44.4	40.4	40.3	38.8	43.2	54.2	49.4
Lithuania	29.6	27.5	30.2	31.6	37.4	42.1	38.8	36.6	36.8	39.9	48.8	46.0
Luxembourg	31.5	30.2	31.6	33.1	38.5	42.4	39.4	35.8	37.0	38.4	46.3	..
Mexico	-	-	-	-	-	-	-	-
Netherlands	37.9	36.1	38.0	41.8	48.2	52.2	49.0	44.8	44.1	44.4	49.5	..
New Zealand	0.3	0.3	0.3	0.4	0.5	0.7	0.7	2.2	4.2	4.7	6.5	..
Norway	41.5	40.5	41.4	42.4	45.5	48.9	46.3	42.7	42.6	42.7	46.6	..
Poland	31.5	31.4	32.7	34.5	40.1	43.4	40.5	36.6	35.8	36.6	43.8	..
Portugal	39.6	38.2	39.5	41.6	47.7	54.2	51.7	49.0	49.6	51.1	58.4	..
Slovak Republic	32.8	30.6	31.4	32.5	38.5	41.9	38.6	35.1	35.5	36.9	42.3	..
Slovenia	34.8	35.0	39.1	41.5	49.6	55.2	52.1	46.0	45.7	46.6	59.9	..
Spain	32.2	31.5	32.9	34.4	39.9	43.9	40.3	36.9	37.7	38.4	45.4	43.3
Sweden	38.5	37.7	39.7	40.1	45.9	50.7	48.7	41.3	37.4	38.1	43.1	..
Switzerland	49.4	47.6	49.0	51.9	61.7	68.0	63.2	56.6	58.8	59.0	73.6	..
Turkey	50.7	49.5	51.9	51.9	56.3	57.8	53.5	46.4	43.3	48.1	53.1	..
United Kingdom	50.3	49.0	49.5	52.1	60.5	63.1	57.9	53.5	52.9	54.3	61.5	..
United States	13.7	13.4	13.7	14.2	21.0	24.6	21.7	18.6	19.8	21.1	25.2	..

* Percentages for 3Q2020 are based on preliminary values.

Table 7
Percentage of taxes in automotive diesel prices for non-commercial use

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia	34.8	34.5	34.1	33.7	39.4	42.7	40.1	36.5	37.6	38.1	44.3	..
Austria	49.5	47.6	47.7	48.2	53.2	56.4	53.7	50.1	50.6	52.2	57.4	56.3
Belgium	46.8	45.3	46.3	47.6	52.6	57.4	57.0	55.9	56.8	58.1	63.9	..
Canada	24.4	24.6	24.5	24.0	28.9	31.7	30.2	27.7	29.7	31.4	38.3	..
Chile	23.8	24.2	24.2	24.3	27.5	28.7	28.0	26.3	28.1	26.6	26.6	..
Czech Republic	48.6	46.7	47.7	47.5	52.5	57.3	54.5	52.0	51.9	52.8	59.0	..
Denmark	47.9	46.8	46.6	48.7	53.5	56.2	53.8	50.8	51.1	51.6	58.0	..
Estonia	47.6	45.3	46.4	47.7	53.1	54.7	50.1	54.3	53.8	53.4	55.9	54.0
Finland	45.4	49.1	50.5	53.0	58.5	62.0	60.4	57.6	57.0	57.7	63.9	..
France	49.1	47.2	48.9	50.9	58.3	63.0	61.1	59.0	59.0	60.4	67.7	..
Germany	49.0	47.5	48.9	50.5	55.5	58.7	55.8	51.7	52.3	53.2	58.9	56.3
Greece	47.0	44.6	42.7	43.6	47.2	50.0	52.0	49.3	49.2	50.0	55.9	..
Hungary	47.0	47.4	47.9	48.6	53.0	55.6	53.3	49.7	49.5	50.3	54.5	..
Iceland
Ireland	49.3	49.5	50.3	51.6	56.9	62.0	58.8	55.9	56.7	58.0	63.6	..
Israel	50.5	50.0	52.9	54.6	61.0	64.5	62.1	57.9	58.9	60.5	67.7	..
Italy	48.5	52.9	54.8	56.5	61.9	66.2	62.7	59.5	59.8	60.7	66.2	..
Japan	30.6	30.4	29.1	29.6	35.0	39.2	36.4	32.7	33.4	34.1	38.1	..
Korea	38.8	38.4	39.7	41.4	49.8	53.8	50.3	46.2	45.6	48.3	56.8	..
Latvia	44.1	43.3	44.2	45.1	49.9	54.1	50.8	50.7	49.4	53.0	62.1	58.2
Lithuania	41.8	40.1	42.3	43.4	48.3	52.2	49.4	47.6	47.8	50.4	57.7	55.4
Luxembourg	40.4	39.3	40.6	41.8	47.4	50.8	48.2	45.3	46.1	47.3	54.1	..
Mexico	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
Netherlands	47.8	46.6	48.9	51.9	57.2	60.5	57.8	54.4	53.8	54.0	58.3	..
New Zealand	13.3	13.3	13.3	13.3	13.4	13.5	13.5	14.7	16.0	16.2	16.8	..
Norway	53.2	52.4	53.1	53.9	56.4	59.1	57.1	54.2	54.1	54.2	57.3	..
Poland	44.3	44.2	45.3	46.7	51.3	54.0	51.7	48.5	47.8	48.4	54.3	..
Portugal	45.2	44.0	45.2	47.0	52.6	58.5	56.2	53.8	54.3	55.8	62.3	..
Slovak Republic	44.0	42.1	42.9	43.8	48.7	51.6	48.8	45.9	46.2	47.4	51.9	..
Slovenia	45.7	45.8	49.7	52.0	58.7	63.3	60.7	55.7	55.5	56.2	67.1	..
Spain	42.5	42.4	44.6	45.8	50.3	53.6	50.7	47.9	48.5	49.1	54.9	53.2
Sweden	50.8	50.1	51.8	52.1	56.8	60.5	59.0	53.0	49.9	50.5	54.5	..
Switzerland	49.0	47.4	48.4	50.2	57.5	61.3	56.8	51.6	52.0	54.3	59.3	..
Turkey	50.7	49.5	51.9	51.9	56.3	57.8	53.5	46.4	43.3	48.1	53.1	..
United Kingdom	58.6	57.5	57.9	60.1	67.1	69.3	64.9	61.2	60.7	61.9	67.9	..
United States	13.7	13.4	13.7	14.2	21.0	24.6	21.7	18.6	19.8	21.1	25.2	..

* Percentages for 3Q2020 are based on preliminary values.

Table 8
Percentage of taxes in regular unleaded gasoline prices

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia	35.7	35.7	35.3	35.1	39.5	42.9	40.3	37.8	38.4	39.4	47.6	..
Austria	55.4	53.0	53.2	53.3	57.8	61.2	58.7	55.7	56.6	58.6	64.7	63.3
Belgium	x	x	x	x	x	x	x	x	x	x	x	x
Canada	30.7	30.8	30.8	30.7	35.2	37.0	34.8	32.3	34.8	38.6	44.3	..
Chile	42.2	41.6	41.8	41.4	46.6	49.8	48.8	47.1	48.9	47.9	47.9	..
Czech Republic	54.6	52.2	53.5
Denmark	55.8	54.4	55.0	57.2	61.3	64.0	61.3	59.2	60.9	x	x	x
Estonia
Finland	x	x	x	x	x	x	x	x	x	x	x	x
France	x	x	x	x	x	x	x	x	x	x	x	x
Germany	..	x	x	x	x	x	x	x	x	x	x	x
Greece	x	x	x	x	x	x	x	x	x	x	x	x
Hungary	x	x	x	x	x	x	x	x	x	x	x	x
Iceland
Ireland	x	x	x	x	x	x	x	x	x	x	x	x
Israel	x	x	x	x	x	x	x	x	x	x	x	x
Italy	x	x	x	x	x	x	x	x	x	x	x	x
Japan	43.1	42.8	40.7	41.3	48.3	54.3	49.8	45.2	46.6	47.5	52.9	..
Korea	47.8	46.7	47.8	49.9	58.5	62.3	59.1	55.2	56.0	57.9	66.5	..
Latvia
Lithuania
Luxembourg
Mexico	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
Netherlands	x	x	x	x	x	x	x	x	x	x	x	x
New Zealand	41.9	41.7	42.8	44.5	48.7	51.2	48.5	45.9	49.0	50.0	55.3	..
Norway	x	x	x	x	x	x	x	x	x	x	x	x
Poland	x	x	x	x	x	x	x	x	x	x	x	x
Portugal	x	x	x	x	x	x	x	x	x	x	x	x
Slovak Republic
Slovenia
Spain	x	x	x	x	x	x	x	x	x	x	x	x
Sweden	x	x	x	x	x	x	x	x	x	x	x	x
Switzerland	x	x	x	x	x	x	x	x	x	x	x	x
Turkey	x	x	x	x	x	x	x	x	x	x	x	x
United Kingdom	x	x	x	x	x	x	x	x	x	x	x	x
United States	14.3	14.1	14.6	15.4	22.4	25.2	22.9	20.6	21.9	23.9	29.7	..

* Percentages for 3Q2020 are based on preliminary values.

Table 9
Percentage of taxes in premium unleaded (98 RON) gasoline prices

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia
Austria	51.5	49.4	49.6	49.7	53.4	55.9	53.8	51.5	52.0	53.6	58.1	56.9
Belgium	54.9	52.6	53.3	54.7	58.4	61.3	58.3	56.6	56.6	57.4	62.6	..
Canada	29.3	29.4	29.5	29.8	32.4	33.4	31.7	29.7	31.6	34.2	38.1	..
Chile	42.2	41.6	41.8	41.4	46.5	49.8	48.8	47.2	49.2	47.9	47.9	..
Czech Republic	51.9	49.9	50.9	50.8	55.0	58.3	56.3	53.4	53.3	54.1	59.8	..
Denmark	55.4	53.9	54.5	x	x	x	x	x	x	x	x	x
Estonia
Finland	57.5	56.6	58.2	60.0	64.1	66.5	65.1	63.5	62.8	63.7	69.4	..
France	56.2	53.7	54.8	56.4	61.2	64.2	62.4	60.7	60.7	61.6	68.3	..
Germany	56.7	54.9	56.1	57.8	61.7	64.2	61.3	58.6	59.2	58.9	63.8	59.4
Greece	x	x	x	x	x	x	x	x	x	x	x	x
Hungary
Iceland
Ireland
Israel	x	x	x	x	x	x	x	x	x	x	x	x
Italy
Japan	x	x	x	x	x	x	x	x	x	x	x	x
Korea
Latvia
Lithuania
Luxembourg	48.1	45.7	46.3	47.6	51.9	54.5	52.3	50.7	52.9	55.5	58.7	..
Mexico	x	x	x	x	x	x	x	x	x	x	x	x
Netherlands
New Zealand	x	x	x	x	x	x	x	x	x	x	x	x
Norway	58.9	56.4	x	x	x	x	x	x	x	x	x	x
Poland	49.7	46.8	47.8	48.8	52.5	54.2	52.5	50.4	50.0	50.7	56.5	..
Portugal	54.8	52.7	53.9	55.1	60.2	64.4	61.1	59.3	59.4	59.2	66.1	..
Slovak Republic	x	x	x	x	x	x	x	x	x	x	x	x
Slovenia	50.8	51.9	54.8	56.1	60.4	62.9	60.2	56.6	56.7	57.2	65.5	..
Spain
Sweden	58.0	56.6	57.6	57.8	61.7	65.5	63.9	60.5	59.8	62.4	66.9	..
Switzerland	48.7	47.0	47.6	49.6	55.6	58.4	54.8	51.0	51.8	53.1	57.8	..
Turkey
United Kingdom	58.1	57.2	57.5	59.6	65.4	65.8	62.3	59.5	59.2	59.3	64.7	..
United States	13.3	13.1	13.4	14.0	19.3	20.7	18.9	17.0	17.5	18.7	22.0	..

* Percentages for 3Q2020 are based on preliminary values.

Table 10
Percentage of taxes in premium unleaded (95 RON) gasoline prices

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia	33.9	33.7	33.5	33.3	37.0	39.0	37.6	35.5	35.9	36.4	43.0	..
Austria	55.3	52.9	53.1	53.3	57.8	61.1	58.6	55.7	56.5	58.5	64.7	63.2
Belgium	55.6	53.3	54.5	55.8	60.3	63.4	60.1	58.5	58.1	59.9	65.2	..
Canada	29.8	29.2	28.7	28.4	33.0	34.1	32.1	30.0	32.4	35.3	39.7	..
Chile	42.2	41.6	41.8	41.4	46.6	49.8	48.8	47.2	48.9	47.9	47.9	..
Czech Republic	53.8	51.7	52.8	52.9	58.3	62.3	59.7	57.4	58.5	58.8	66.5	..
Denmark	55.7	54.3	54.9	57.1	61.2	64.1	61.2	59.1	59.3	60.2	65.7	..
Estonia	50.8	47.8	48.9	50.0	55.0	56.6	52.3	58.8	58.6	58.3	64.2	61.9
Finland	58.9	57.9	59.3	61.4	66.2	69.1	67.5	66.0	65.4	66.3	72.6	..
France	57.1	54.9	56.3	57.9	63.2	66.4	64.6	62.5	62.6	63.6	70.9	..
Germany	57.9	55.6	56.9	58.6	62.7	66.2	63.7	60.7	61.5	62.8	69.1	64.2
Greece	59.3	57.4	58.7	59.8	64.5	67.4	66.0	63.7	63.7	63.9	71.1	..
Hungary	52.2	50.2	50.8	51.6	55.7	58.1	55.9	53.3	53.3	53.8	59.3	..
Iceland
Ireland	54.1	55.0	55.6	57.2	61.7	66.2	63.2	60.9	62.2	63.1	69.2	..
Israel	52.7	51.9	57.8	56.2	62.7	64.7	63.8	61.1	62.7	64.4	74.5	..
Italy	55.3	57.5	59.2	60.7	65.4	68.5	65.7	63.6	64.3	65.0	70.4	..
Japan
Korea	45.7	44.1	44.4	45.3	50.8	53.6	51.9	49.8	49.8	52.4	57.6	..
Latvia	49.1	48.5	49.5	50.7	54.9	58.8	55.9	56.5	56.1	58.2	67.7	63.2
Lithuania	50.2	48.1	49.0	50.4	55.0	58.2	55.7	53.2	53.6	56.0	63.0	60.3
Luxembourg	48.9	46.5	47.6	48.8	53.9	56.8	54.3	52.5	51.3	51.9	62.7	..
Mexico	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
Netherlands	60.1	58.2	60.8	62.4	67.0	70.0	67.6	65.6	64.7	64.9	69.5	..
New Zealand	40.5	40.3	41.2	42.6	46.2	48.1	45.7	43.8	46.4	47.0	51.2	..
Norway	60.2	57.5	58.6	59.3	62.4	64.0	62.6	60.7	60.3	60.7	64.6	..
Poland	51.1	47.9	49.2	50.4	54.8	57.0	55.1	52.5	52.1	53.7	60.0	..
Portugal	56.4	54.3	55.8	57.1	61.8	67.0	63.2	61.5	61.8	63.4	70.1	..
Slovak Republic	52.1	49.8	50.8	51.3	56.0	58.6	56.1	54.0	55.0	56.4	62.7	..
Slovenia	51.2	52.3	55.4	56.9	62.0	65.2	63.4	60.2	60.6	61.0	72.2	..
Spain	48.8	48.0	49.8	50.9	55.0	57.5	55.2	53.1	53.8	54.2	60.3	58.0
Sweden	57.4	56.2	57.3	57.8	62.2	66.2	64.4	61.9	62.0	64.4	70.1	..
Switzerland	49.8	48.1	48.9	51.0	57.8	60.8	57.4	53.3	54.4	56.1	61.4	..
Turkey	60.3	58.7	60.7	59.1	63.5	64.0	59.8	53.0	50.0	53.5	59.4	..
United Kingdom	60.3	59.5	59.9	62.1	68.8	69.9	65.9	63.0	63.1	63.5	71.1	..
United States	13.8	13.6	14.0	14.6	20.6	22.6	20.6	18.3	19.0	20.3	24.4	..

* Percentages for 3Q2020 are based on preliminary values.

Table 11
Percentage of taxes in automotive LPG prices for commercial use

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia
Austria
Belgium	-	-	-	-	-	-	-	-	-	-	-	..
Canada
Chile	x	x	x	x	x	x	x	x	x	x	x	x
Czech Republic	15.1	14.6	15.0	14.9	17.8	21.1	18.8	17.8	18.5	19.1	21.8	..
Denmark
Estonia	11.0	10.9	11.4	12.5	15.5	16.5	14.8	35.7	37.0	34.2	39.1	40.6
Finland	x	x	x	x	x	x	x	x	x	x	x	x
France	8.4	8.1	8.2	8.4	11.0	13.2	14.8	16.8	16.2	16.2	16.5	..
Germany	14.9	14.0	14.8	15.8	19.2	21.8	19.9	18.3	18.1	17.5	19.7	..
Greece
Hungary
Iceland
Ireland
Israel
Italy	20.0	21.6	22.2	23.3	29.3	31.9	28.4	26.7	28.4	28.4	30.1	..
Japan	11.2	10.8	13.0	14.6	12.7	12.3	12.6	12.3	14.4	..
Korea
Latvia	25.7	25.0	28.1	20.4	21.4	28.4	27.1	33.4	30.9	34.1	41.7	38.8
Lithuania	30.5	29.7	30.5	30.0	36.7	40.7	35.5	34.2	36.7	35.3	42.6	37.1
Luxembourg	9.5	8.8	9.6	10.3	13.0	13.9	12.0	11.1	12.1	11.9	14.6	..
Mexico
Netherlands	14.8	14.6	16.7	28.7	36.1	39.4	35.7	32.9	35.7	34.3	40.8	..
New Zealand
Norway
Poland	21.7	20.5	23.0	22.3	29.2	31.7	27.6	25.8	27.1	26.0	32.2	..
Portugal
Slovak Republic	20.4	19.8	21.5	20.7	27.5	30.4	26.1	24.4	25.6	23.7	29.4	..
Slovenia	12.5	12.4	13.0	14.9	17.7	23.1	21.8	21.2	22.8	22.4	23.7	..
Spain	5.4	5.1	5.1	5.2	6.2	6.5	6.1	5.7	5.8	5.7	6.2	6.2
Sweden
Switzerland
Turkey	46.0	44.9	47.5	46.8	52.1	51.5	48.0	42.8	41.9	37.3	41.4	..
United Kingdom
United States

* Percentages for 3Q2020 are based on preliminary values.

Table 12
Percentage of taxes in automotive LPG prices for non-commercial use

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia	9.1	14.3	17.8	20.3	28.6	30.1	27.4	25.9	27.8	27.0	28.7	..
Austria
Belgium	17.4	17.4	17.4	17.4	17.4	17.3	17.4	17.4	17.4	17.4	17.4	..
Canada	15.9	16.1	15.9	15.0	17.4	17.8	16.7	16.0	17.2	18.0	18.2	..
Chile	x	x	x	x	x	x	x	x	x	x	x	x
Czech Republic	29.3	28.8	29.8	29.7	32.1	34.8	32.9	32.1	32.6	33.1	35.4	..
Denmark
Estonia	25.8	25.7	26.2	27.1	29.6	30.5	29.0	46.4	47.5	45.1	49.3	50.5
Finland	x	x	x	x	x	x	x	x	x	x	x	x
France	23.4	23.2	23.3	23.7	25.9	27.6	29.0	30.7	30.1	30.2	30.4	..
Germany	28.5	27.8	28.4	29.3	32.1	34.3	32.7	31.3	31.1	30.7	32.5	..
Greece
Hungary	31.8	31.7	30.7	31.1	33.2	38.9	37.4	36.0	36.1	35.3	37.0	..
Iceland
Ireland
Israel
Italy	33.5	35.2	35.8	37.2	42.0	44.2	41.3	39.9	41.3	41.3	42.7	..
Japan	14.9	16.3	18.7	19.9	18.4	18.1	17.8	19.5	22.1	..
Korea	29.6	29.2	29.7	30.1	36.5	39.2	35.8	34.4	36.5	34.9	38.0	..
Latvia	39.1	38.3	40.6	34.2	35.0	40.8	39.8	45.0	42.9	45.6	51.8	49.4
Lithuania	42.6	41.9	42.6	42.1	47.7	51.0	46.7	45.6	47.7	46.6	52.5	48.0
Luxembourg	14.6	13.9	14.7	15.3	19.4	20.3	18.5	17.6	18.6	18.3	21.0	..
Mexico
Netherlands	28.4	28.5	31.2	41.1	47.2	49.9	46.8	44.6	46.8	45.7	51.0	..
New Zealand
Norway
Poland	36.4	35.4	37.4	36.9	42.4	44.5	41.2	39.6	40.7	39.8	44.8	..
Portugal	27.0	27.0	27.4	34.9	41.1	44.0	42.0	40.3	42.8	41.9	44.7	..
Slovak Republic	30.4	30.9	32.4	33.2	39.8	41.0	38.0	35.9	37.3	37.3	42.5	..
Slovenia	27.1	27.0	28.1	30.3	32.6	37.0	35.9	35.4	36.7	36.4	37.5	..
Spain	19.9	20.2	21.5	21.7	22.4	22.7	22.4	22.1	22.2	22.1	22.5	22.5
Sweden
Switzerland
Turkey	39.0	38.7	36.0	35.2	37.1	36.5	37.1	37.9	35.1	31.3	33.0	..
United Kingdom
United States

* Percentages for 3Q2020 are based on preliminary values.

Table 13
Percentage of taxes in natural gas prices for industry

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia
Austria	..	17.0	17.8	21.4	24.0	23.6	19.0	18.3	20.5	21.4	21.4	21.4
Belgium	3.4	3.8	3.7	4.3	4.6	5.3	4.6	4.9	5.8
Canada	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	..
Chile	c	c	c	c	c	c	c	c	c	c	c	c
Czech Republic	3.4	3.2	3.3	3.4	3.7	4.1	4.4	4.4	4.1	4.4	4.4	..
Denmark	20.7	20.2	21.4	23.8	22.3	27.0	24.8	17.9	27.8
Estonia	4.1	3.5	3.7	4.0	6.3	11.9	14.0	15.3	17.0
Finland	21.4	19.4	24.7	25.6	37.4	43.9	41.0	39.4	41.6
France	2.7	2.5	2.6	3.6	7.2	10.9	14.0	16.2	15.2
Germany	13.2	11.6	10.7	12.0	13.1	15.2	16.3	15.4	18.1
Greece	4.5	10.4	11.8	12.7	16.2	20.9	9.2	8.6	9.6
Hungary	3.3	2.7	2.8	2.4	3.2	3.8	4.2	3.6	3.6	4.1	4.9	..
Iceland
Ireland	8.8	9.6	9.5	10.1	11.4	12.0	11.5	10.5	10.3	9.2	11.8	..
Israel	c	c	c	c	c	c	c	c	c	c	c	c
Italy	8.0	8.9	9.6	9.3	10.2	10.8	10.8	9.6	14.4
Japan	-	-	-	-	-	-	-	-	-
Korea	-	-	-	-	-	-	-	-	-	-	-	..
Latvia	2.9	4.0	4.7	4.6	5.4	6.7	5.5	4.6	21.5
Lithuania	-	-	-	-	-	-	10.2	12.6	17.2
Luxembourg	1.5	1.4	1.3	1.6	1.4	1.9	2.1	1.9	2.3
Mexico
Netherlands	7.6	7.0	8.4	12.8	13.5	15.8	16.1	16.6	18.1
New Zealand	6.4	6.2	6.1	6.5	6.8	7.9	6.9	6.5	7.1	6.9	7.4	..
Norway	x	x	x	x	x	x	x	x	x	x	x	x
Poland	-	-	-	0.9	0.9	1.1	0.9	0.7	0.8	1.1	1.0	..
Portugal	0.3	0.2	1.8	1.7	1.3	2.1	2.8	2.4	2.3
Slovak Republic	3.7	3.2	3.6	4.0	4.0	4.3	4.6	4.5	4.8	5.0	5.3	5.6
Slovenia	10.6	8.9	11.0	12.9	9.9	11.3	12.1	10.9	11.6	12.2	12.5	..
Spain	-	-	1.6	1.6	1.8	2.3	2.3	2.1	2.0	2.0	2.3	..
Sweden	17.7	19.6	19.1	21.0	22.0	24.9	23.8	19.3	25.1
Switzerland	10.6	10.0	10.1	16.5	17.5	25.5	26.0	27.6	26.8	28.5	28.8	..
Turkey	19.1	18.2	17.9	17.8	17.7	17.7	17.9	17.1	16.6	16.5	16.5	..
United Kingdom	2.7	2.6	2.4	2.7	2.9	3.4	3.2	3.3	5.0	6.4	8.0	..
United States

* Percentages for 3Q2020 are based on preliminary values.

Table 14
Percentage of taxes in natural gas prices for households

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia
Austria	26.6	26.1	25.9	26.0	26.4	26.8	26.7	26.6	26.8	26.7	26.7	26.7
Belgium	20.0	20.6	21.2	22.5	22.6	24.0	20.8	20.5	21.5
Canada	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	..
Chile	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	..
Czech Republic	16.7	16.7	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	..
Denmark	48.7	51.3	55.9	60.5	56.4	59.2	55.6	51.7	58.3
Estonia	21.8	21.3	21.0	20.6	22.4	25.3	24.7	28.3	30.0
Finland
France	16.7	16.6	16.7	17.4	20.1	22.5	25.6	28.2	27.6
Germany	24.2	23.8	23.7	23.7	23.8	24.0	24.3	24.4	24.1	24.0	23.9	21.9
Greece	13.8	16.5	16.2	16.6	16.8	20.2	13.3	13.3	10.0
Hungary	20.0	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	..
Iceland
Ireland	16.7	16.9	17.0	16.8	17.0	17.0	17.2	16.9	16.8	17.1	18.3	..
Israel	x	x	x	x	x	x	x	x	x	x	x	x
Italy	35.9	33.4	32.6	33.1	34.0	35.1	35.5	35.0	35.2
Japan	4.8	4.8	4.8	7.4	7.4	7.4	7.4	7.4	7.4
Korea	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	..
Latvia	16.6	20.8	20.5	20.6	20.7	21.2	21.5	21.1	20.9
Lithuania	17.4	17.4	17.4	17.3	17.3	17.4	22.1	27.6	29.0
Luxembourg	7.7	7.5	7.5	7.7	9.6	9.9	10.1	9.9	9.9
Mexico	13.8	13.8	13.8	13.8	13.8	13.8
Netherlands	40.1	38.5	42.0	42.7	44.3	52.3	53.7	54.0	55.5	59.8	60.6	..
New Zealand	14.4	14.4	14.3	14.4	14.3	14.3	14.4	14.3	14.2	13.9	14.3	..
Norway	x	x	x	x	x	x	x	x	x	x	x	x
Poland	18.7	18.7	18.7	18.7	18.8	18.7	18.7	18.7	18.7	18.7	18.7	..
Portugal	10.9	19.9	22.0	22.9	22.8	23.6	26.8	25.3	23.9
Slovak Republic	16.7	16.7	16.7	16.7	17.0	16.7	16.7	16.7	16.7	16.7	16.7	16.7
Slovenia	22.9	22.5	24.4	25.6	28.2	29.2	30.4	30.1	29.8	29.4	29.4	..
Spain	15.3	16.0	20.1	20.0	20.0	20.3	20.2	20.2	20.0	20.7	20.4	..
Sweden	44.3	46.3	45.0	45.0	45.5	45.5	44.5	43.0	43.0
Switzerland	14.6	14.1	14.1	18.2	18.9	23.5	24.0	25.2	24.5	25.3	25.5	..
Turkey	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	..
United Kingdom	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	..
United States

* Percentages for 3Q2020 are based on preliminary values.

Table 15
Percentage of taxes in steam coal prices for industry

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia
Austria	28.6	25.9	29.7	32.2	33.4	26.7	32.6	22.0	26.7	28.6	28.5	29.2
Belgium	..	-	-	-	-	-	-	-	-
Canada
Chile
Czech Republic	c	c	c	c	c	c	c	c	c	c	c	c
Denmark
Estonia
Finland	56.5	58.6	65.0	65.1	69.7	73.2	68.1	69.4	72.5	74.8	76.8	..
France	1.2	1.1	1.0	1.7	3.0	0.7	0.9	1.7
Germany
Greece	x	x	x	x	x	x	x	x
Hungary	x	x	x	x	x	x	x	x	x	x	x	x
Iceland
Ireland
Israel	x	x	x	x	x	x	x	x	x	x	x	x
Italy	-
Japan	6.0	6.6	7.8	9.6	10.5	14.2	10.9	9.6	10.3	12.1	13.4	..
Korea
Latvia
Lithuania
Luxembourg	x	x	x	x	x	x	x	x	x	x	x	x
Mexico	x	x	x	x	x	x	x	x	x	x	x	x
Netherlands
New Zealand	c	c	c	c	c	c	c	c	c	c	c	c
Norway
Poland	-
Portugal	2.7	2.2	2.8	3.1	4.3	9.8	c	c	c	c	c	c
Slovak Republic
Slovenia	c	c	c	c	c	c	c	c	c	c	c	c
Spain
Sweden	c	c	c	c	c	c	c	c	c	c
Switzerland	-	-	-	-	-	-	-	-	-	-	-	..
Turkey	15.3	15.3	15.3	15.3	15.2	15.3	15.3	15.3	15.3	15.3	15.3	..
United Kingdom	6.7	6.7	6.7	7.2	7.2	7.2	7.2	7.2	7.2	7.2
United States

* Percentages for 3Q2020 are based on preliminary values.

Table 16
Percentage of taxes in electricity prices for industry

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia
Austria	..	18.1	20.9	24.1	28.3	31.6	30.0	27.2	24.3	24.3	24.3	24.3
Belgium	11.0	10.8	13.7	14.6	15.8	20.4	25.5	25.3	24.9
Canada	10.4	10.9	10.2	10.9	7.3	11.4	11.9	11.6	11.2
Chile	-	-	-	-	-	-	-	-	-	-	-	..
Czech Republic	1.0	1.0	1.0	1.1	1.2	1.3	1.4	1.4	1.2	1.1	1.1	..
Denmark	21.8	34.9	35.3	32.4	34.7	34.6	25.5	25.4	9.6
Estonia	13.2	16.0	13.9	13.6	15.1	16.4	17.8	15.3	16.5
Finland	9.6	9.8	9.8	10.0	10.4	10.7	10.9	10.6	10.4	10.8	10.8	..
France	13.9	15.2	18.8	20.9	22.4	22.2	23.6	22.1	20.6
Germany	29.4	32.8	39.2	47.0	46.8	47.1	49.8	48.4	51.0
Greece	13.7	16.9	18.5	18.8	12.9	19.5	22.6	22.1	18.6
Hungary	4.2	5.9	6.3	8.3	9.8	9.4	9.4	4.9	4.9	3.7	3.7	..
Iceland
Ireland	-	-	-	-	-	-	-	-	-	-	-	..
Israel	-	-	-	-	-	-	-
Italy	23.0	28.2	32.6	36.3	40.3	42.1	40.0	34.2	38.0
Japan	2.6	2.4	2.2	2.0	2.1	2.3	2.2	2.1	2.1	1.9
Korea	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	..
Latvia	-	16.4	19.3	25.2	27.5	27.0	24.4	21.4	20.2
Lithuania	0.4	0.3	21.2	16.9	15.6	15.3	15.1	13.5	9.0
Luxembourg	5.1	4.9	5.4	9.0	13.3	13.8	13.8	13.3	12.9
Mexico	-	-	-	-	-	-	-
Netherlands	12.7	13.0	13.0	19.2	17.5	20.3	22.0	24.4	25.5
New Zealand	-	-	-	-	-	-	-
Norway	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	..
Poland	5.6	5.4	5.8	6.3	5.9	6.1	6.0	5.8	1.3	1.2	1.2	..
Portugal	10.2	10.9	11.6	11.4	13.3	16.1	22.0	30.4	27.0
Slovak Republic	1.0	1.0	1.0	1.1	1.1	1.2	1.2	1.1	1.0	1.0	1.0	1.0
Slovenia	9.3	8.2	13.0	12.8	14.5	16.4	16.4	15.1	14.6	13.4	13.6	..
Spain	4.7	4.8	5.2	4.4	3.7	4.8	4.9	4.9	4.9
Sweden	0.7	0.8	0.8	0.9	1.0	1.0	0.9	6.8	6.1
Switzerland	3.8	3.7	3.7	5.1	9.3	9.9	12.3	19.3	19.3	19.4	19.4	..
Turkey	18.5	18.5	18.5	18.5	18.5	17.8	17.2	16.6	16.6	16.6	16.6	..
United Kingdom	3.3	3.1	2.8	2.6	2.6	3.7	4.1	3.9	5.2	5.2
United States

* Percentages for 3Q2020 are based on preliminary values.

Table 17
Percentage of taxes in electricity prices for households

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia	..	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
Austria	27.2	27.8	31.7	34.2	36.7	38.7	38.4	37.2	35.0	35.0	35.0	35.0
Belgium	26.2	24.6	26.2	18.2	18.6	36.0	36.0	31.4	31.4
Canada	7.3	7.8	10.7	10.2	5.2	10.1	10.6	10.2	10.4
Chile	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	..
Czech Republic	17.4	17.4	18.0	18.1	18.1	18.1	18.1	18.1	18.0	17.9	18.0	..
Denmark	58.4	62.1	61.8	63.4	65.2	64.0	63.0	61.3	58.9
Estonia	27.5	29.7	26.7	26.3	27.2	23.1	26.5	26.6	27.7
Finland	29.8	29.9	30.5	31.9	34.2	34.1	33.3	32.7	31.6	31.5	31.8	..
France	29.3	30.0	32.4	33.8	34.6	36.3	36.2	35.9	35.3
Germany	44.6	45.5	48.9	51.7	51.5	53.4	54.5	54.0	53.2
Greece	18.5	23.9	27.5	31.9	31.1	31.8	37.3	32.0	28.9
Hungary	21.6	23.8	23.6	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	..
Iceland
Ireland	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	..
Israel	13.8	14.0	15.0	15.3	15.3	14.5	14.5
Italy	28.1	30.8	32.6	34.4	35.8	37.1	32.6	31.7	35.7
Japan	6.5	6.4	6.3	8.0	8.8	9.0	8.9	8.8	8.7	10.3
Korea	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	..
Latvia	18.0	23.9	34.1	37.4	33.8	33.6	34.0	32.8	31.0
Lithuania	17.3	17.4	36.7	32.7	30.3	29.9	29.6	29.5	24.5
Luxembourg	14.0	13.8	13.6	18.3	25.4	22.4	28.7	23.7	27.1
Mexico	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
Netherlands	19.4	20.5	23.2	24.4	26.4	16.7	21.1	25.7	31.6	-2.5	-3.2	..
New Zealand	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
Norway	31.7	34.4	33.3	35.5	38.2	38.2	37.5	35.0	34.3	39.0	42.5	..
Poland	22.1	21.9	21.9	22.0	21.9	22.0	21.9	21.9	19.5	19.5	19.4	..
Portugal	41.1	43.8	41.8	41.7	49.5	47.3	51.6	55.2	48.8
Slovak Republic	16.7	16.7	16.5	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	17.0
Slovenia	23.8	22.6	27.6	29.0	30.0	31.0	31.0	30.9	30.8	27.4	25.3	..
Spain	19.1	20.0	17.3	20.8	21.4	21.2	21.4	21.4	21.4
Sweden	36.7	38.1	38.1	38.9	39.3	38.6	38.4	38.5	39.9
Switzerland	9.7	9.8	9.8	10.5	13.0	13.9	14.9	18.2	18.1	18.1	18.1	..
Turkey	21.5	21.5	21.5	21.5	21.5	19.5	19.4	19.6	19.3	19.1	19.2	..
United Kingdom	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	..
United States

* Percentages for 3Q2020 are based on preliminary values.

Table 18
Indices of real tax component for automotive diesel for commercial use

	2015 = 100											
	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia
Austria	114.2	111.5	105.5	100.9	100.0	99.1	97.1	95.2	93.7	92.7	92.7	92.4
Belgium	103.1	101.1	99.9	99.6	100.0	107.8	117.0	126.4	128.9	127.9	128.1	..
Canada	113.2	110.1	100.0	111.7	100.0	92.1	115.3	137.4	143.7	151.4	137.9	..
Chile
Czech Republic	105.5	102.1	100.7	100.3	100.0	99.3	97.0	94.9	92.3	90.0	89.7	..
Denmark	97.4	96.5	96.3	98.7	100.0	99.9	98.8	98.5	98.9	99.5	99.7	..
Estonia	106.2	102.2	99.4	99.5	100.0	99.9	96.6	116.7	114.5	114.6	98.9	86.6
Finland	75.8	94.9	93.6	97.9	100.0	99.7	103.6	102.5	101.4	101.1	101.4	..
France	94.0	90.8	91.7	91.7	100.0	106.0	112.2	122.7	121.6	121.2	121.0	..
Germany	105.0	103.0	101.4	100.5	100.0	99.5	98.0	96.4	95.0	94.8	94.1	94.3
Greece	121.8	114.0	97.0	98.3	100.0	100.8	123.9	123.1	122.8	123.5	123.6	..
Hungary	96.8	101.4	99.7	99.9	100.0	100.3	97.9	94.0	91.0	88.7	89.1	..
Iceland
Ireland	95.9	100.4	99.9	99.7	100.0	104.2	103.8	103.3	103.2	105.5	105.7	..
Israel	98.8	99.1	99.2	99.8	100.0	99.8	99.5	99.4	99.5	100.1	100.3	..
Italy	77.7	99.7	100.3	100.4	100.0	100.1	98.9	97.8	97.2	97.2	97.2	..
Japan	102.4	102.6	102.8	100.6	100.0	100.7	100.4	99.4	98.9	98.7	99.0	..
Korea
Latvia	99.6	102.0	102.7	101.4	100.0	101.4	98.5	109.0	102.8	113.0	113.5	113.2
Lithuania	94.6	91.8	99.2	99.1	100.0	99.1	95.6	97.8	95.7	101.2	101.3	101.4
Luxembourg	100.9	101.3	101.1	100.5	100.0	99.7	98.0	96.5	98.6	99.9	99.9	..
Mexico	-	-	-	-	-	-	-	-
Netherlands	93.5	92.8	92.5	99.7	100.0	100.2	99.1	97.4	94.9	94.6	93.9	..
New Zealand	103.8	102.7	101.5	100.3	100.0	119.9	150.9	605.7	1071.2	1091.3	1096.5	..
Norway	101.4	102.4	102.1	101.9	100.0	99.0	106.5	105.3	103.1	102.6	102.0	..
Poland	91.6	99.3	99.0	99.1	100.0	100.7	98.6	97.2	95.4	93.0	92.6	..
Portugal	99.2	98.3	97.1	96.2	100.0	108.0	111.3	112.9	115.6	118.7	116.9	..
Slovak Republic	104.6	101.0	99.6	99.7	100.0	100.5	99.2	96.8	94.3	92.6	92.5	..
Slovenia	78.5	84.2	93.0	95.6	100.0	102.0	103.6	97.7	93.6	93.8	98.7	..
Spain	97.0	99.0	99.8	100.3	100.0	100.2	98.0	96.5	98.9	99.2	99.1	99.7
Sweden	88.9	90.5	94.5	94.5	100.0	109.3	110.7	100.7	89.7	90.5	90.2	..
Switzerland	97.4	98.1	98.3	98.9	100.0	100.9	100.4	99.5	99.1	99.6	99.8	..
Turkey	117.1	114.5	121.1	111.7	100.0	94.8	95.8	87.8	78.9	80.1	74.7	..
United Kingdom	107.3	104.2	101.8	100.4	100.0	99.0	96.5	94.3	92.8	92.2	92.0	..
United States	97.3	96.7	95.8	95.4	100.0	98.6	98.1	98.2	98.5	98.8	99.3	..

* Indices for 3Q2020 are based on preliminary values.

Table 19
Indices of real tax component for automotive diesel for non-commercial use

	2015 = 100											
	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia	110.2	108.6	106.4	104.6	100.0	97.7	99.1	102.3	101.4	100.6	98.7	..
Austria	118.2	117.8	111.3	105.9	100.0	96.6	96.7	97.9	96.0	93.6	89.7	89.2
Belgium	109.8	109.8	107.1	105.1	100.0	103.6	112.8	122.8	124.4	122.2	117.8	..
Canada	101.8	101.5	102.8	102.9	100.0	96.7	102.3	107.1	107.8	109.6	105.9	..
Chile	112.7	116.1	115.8	120.8	100.0	85.3	91.3	100.1	106.5	106.8	95.3	..
Czech Republic	107.4	106.3	106.0	105.7	100.0	95.3	95.2	95.3	92.8	89.6	85.0	..
Denmark	104.7	105.6	106.8	104.8	100.0	97.1	98.5	101.7	101.6	101.8	95.2	..
Estonia	112.0	110.9	106.5	104.9	100.0	98.6	99.3	115.5	113.9	114.2	96.6	85.9
Finland	86.3	102.5	101.4	103.2	100.0	96.9	102.0	103.3	102.7	101.8	97.3	..
France	100.8	99.3	98.5	97.4	100.0	102.9	110.2	122.2	121.0	119.5	114.7	..
Germany	111.0	110.5	107.3	104.7	100.0	97.4	97.8	99.3	97.4	96.4	92.0	88.9
Greece	122.1	118.4	104.2	103.9	100.0	98.1	119.1	122.4	122.2	121.6	114.2	..
Hungary	100.9	110.1	107.3	106.4	100.0	97.2	97.6	98.4	95.5	92.0	87.4	..
Iceland
Ireland	99.6	108.3	106.7	104.9	100.0	100.1	102.1	104.3	103.3	104.5	100.4	..
Israel	102.0	103.3	103.6	103.9	100.0	96.6	97.4	99.5	99.1	98.8	95.8	..
Italy	84.4	105.2	104.6	104.5	100.0	97.6	98.4	99.5	98.7	98.0	94.7	..
Japan	98.0	98.3	99.4	103.4	100.0	97.9	99.4	101.3	101.6	104.4	100.8	..
Korea	110.5	110.7	108.2	105.5	100.0	97.4	96.9	95.2	90.2	95.3	92.8	..
Latvia	110.0	112.5	110.2	107.5	100.0	97.4	97.6	108.0	103.3	109.5	102.7	105.2
Lithuania	103.7	103.7	107.7	105.8	100.0	95.2	94.4	98.6	96.3	98.9	92.8	94.6
Luxembourg	103.2	105.2	103.4	101.3	100.0	96.8	97.4	99.5	99.9	99.9	94.7	..
Mexico	77.6	82.6	88.8	96.0	100.0	96.5	109.5	117.0
Netherlands	97.7	99.5	100.2	104.3	100.0	97.8	98.6	99.7	97.6	97.1	93.1	..
New Zealand	134.0	134.1	129.9	123.4	100.0	88.8	101.9	132.3	143.2	136.4	119.5	..
Norway	104.9	106.9	105.7	104.6	100.0	96.5	105.8	107.7	105.5	105.0	101.1	..
Poland	100.7	109.3	107.1	105.0	100.0	97.8	98.2	100.5	99.6	96.2	89.7	..
Portugal	102.7	102.7	100.7	98.7	100.0	105.7	109.8	112.3	114.8	117.4	113.1	..
Slovak Republic	110.8	109.9	107.2	105.9	100.0	97.7	99.1	100.0	97.0	94.0	89.6	..
Slovenia	85.6	91.7	99.0	101.3	100.0	98.8	102.1	100.1	96.0	95.6	93.4	..
Spain	99.2	103.8	107.1	105.9	100.0	97.0	97.7	99.2	100.8	100.6	94.9	97.1
Sweden	95.0	97.5	99.7	99.4	100.0	105.7	108.5	104.7	96.9	97.1	92.3	..
Switzerland	100.0	101.3	101.2	101.0	100.0	100.0	100.6	99.7	100.1	99.9	98.9	..
Turkey	117.1	114.5	121.1	111.7	100.0	94.8	95.8	87.8	78.9	80.1	74.7	..
United Kingdom	112.7	110.2	107.4	104.4	100.0	98.0	97.6	97.4	96.1	94.8	91.6	..
United States	97.3	96.7	95.8	95.4	100.0	98.6	98.1	98.2	98.5	98.8	99.3	..

* Indices for 3Q2020 are based on preliminary values.

Table 20
Indices of real tax component for regular unleaded gasoline

	2015 = 100												
	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*	
Australia	109.3	107.4	105.3	103.2	100.0	97.7	99.1	101.3	100.7	99.7	97.1	..	
Austria	116.2	115.7	109.3	104.5	100.0	97.0	96.5	96.7	94.6	92.3	88.9	88.6	
Belgium	x	x	x	x	x	x	x	x	x	x	x	x	
Canada	104.9	106.7	106.1	103.8	100.0	98.0	101.1	102.9	102.3	101.0	98.8	..	
Chile	104.0	106.1	107.2	110.4	100.0	97.6	97.9	101.6	102.5	105.5	97.4	..	
Czech Republic	
Denmark	102.0	102.8	103.3	102.3	100.0	98.1	99.2	100.7	99.6	x	x	x	
Estonia	
Finland	x	x	x	x	x	x	x	x	x	x	x	x	
France	x	x	x	x	x	x	x	x	x	x	x	x	
Germany	x	x	x	x	x	x	x	x	x	x	x	x	
Greece	x	x	x	x	x	x	x	x	x	x	x	x	
Hungary	x	x	x	x	x	x	x	x	x	x	x	x	
Iceland	
Ireland	x	x	x	x	x	x	x	x	x	x	x	x	
Israel	x	x	x	x	x	x	x	x	x	x	x	x	
Italy	x	x	x	x	x	x	x	x	x	x	x	x	
Japan	98.0	98.2	98.9	101.9	100.0	98.5	99.6	100.4	100.4	103.1	100.9	..	
Korea	110.1	108.4	106.3	104.0	100.0	97.9	97.0	94.6	89.0	94.8	93.3	..	
Latvia	
Lithuania	
Luxembourg	
Mexico	80.2	85.7	92.2	98.1	100.0	98.5	110.7	117.9	
Netherlands	x	x	x	x	x	x	x	x	x	x	x	x	
New Zealand	97.6	97.7	99.7	101.5	100.0	97.7	97.3	101.0	105.8	105.9	103.0	..	
Norway	x	x	x	x	x	x	x	x	x	x	x	x	
Poland	x	x	x	x	x	x	x	x	x	x	x	x	
Portugal	x	x	x	x	x	x	x	x	x	x	x	x	
Slovak Republic	
Slovenia	
Spain	x	x	x	x	x	x	x	x	x	x	x	x	
Sweden	x	x	x	x	x	x	x	x	x	x	x	x	
Switzerland	x	x	x	x	x	x	x	x	x	x	x	x	
Turkey	x	x	x	x	x	x	x	x	x	x	x	x	
United Kingdom	x	x	x	x	x	x	x	x	x	x	x	x	
United States	97.5	96.9	95.8	95.4	100.0	98.5	98.3	97.5	96.9	97.0	97.5	..	

* Indices for 3Q2020 are based on preliminary values.

Table 21
Indices of real tax component for premium unleaded (98 RON) gasoline

	2015 = 100											
	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia
Austria	116.1	115.7	109.3	104.4	100.0	97.1	96.8	96.8	94.9	92.6	89.4	89.2
Belgium	107.7	106.9	105.1	103.5	100.0	96.4	95.3	94.5	91.9	90.6	87.6	..
Canada	104.1	105.7	106.3	106.7	100.0	97.0	100.4	102.5	102.5	101.5	99.2	..
Chile	99.3	101.8	102.9	106.3	100.0	96.7	97.2	98.8	100.8	102.5	96.0	..
Czech Republic	106.4	105.0	104.6	104.4	100.0	96.9	96.0	96.3	93.7	90.7	86.5	..
Denmark	x	x	x	x	x	x	x	x	x	x	x	x
Estonia
Finland	100.2	101.9	100.7	101.6	100.0	98.1	101.3	101.3	100.7	99.9	96.7	..
France	103.0	101.7	101.5	100.5	100.0	100.8	102.6	106.7	105.5	104.6	100.8	..
Germany	108.3	107.6	105.1	102.9	100.0	98.2	98.2	98.2	96.4	96.4	93.0	91.0
Greece	x	x	x	x	x	x	x	x	x	x	x	x
Hungary
Iceland
Ireland
Israel	x	x	x	x	x	x	x	x	x	x	x	x
Italy
Japan	x	x	x	x	x	x	x	x	x	x	x	x
Korea
Latvia
Lithuania
Luxembourg	104.3	103.7	101.3	99.7	100.0	97.8	97.7	97.3	95.6	93.8	92.1	..
Mexico	x	x	x	x	x	x	x	x	x	x	x	x
Netherlands
New Zealand	x	x	x	x	x	x	x	x	x	x	x	x
Norway	x	x	x	x	x	x	x	x	x	x	x	x
Poland	106.5	107.1	104.9	103.5	100.0	99.0	98.6	99.3	97.7	94.2	88.5	..
Portugal	102.0	101.6	100.2	99.5	100.0	104.4	102.7	104.3	101.2	104.0	100.0	..
Slovak Republic	x	x	x	x	x	x	x	x	x	x	x	x
Slovenia	85.5	97.4	102.2	102.2	100.0	98.0	100.5	98.4	94.8	94.5	89.6	..
Spain
Sweden	97.6	100.7	99.5	99.4	100.0	103.9	106.3	108.6	108.0	106.8	103.2	..
Switzerland	98.2	99.5	99.4	100.7	100.0	100.2	100.7	100.3	99.7	99.7	98.7	..
Turkey
United Kingdom	112.1	109.5	106.8	103.9	100.0	98.8	98.2	97.6	96.2	95.5	92.3	..
United States	97.5	96.9	95.8	95.4	100.0	98.5	98.3	97.5	96.9	97.0	97.5	..

* Indices for 3Q2020 are based on preliminary values.

Table 22
Indices of real tax component for premium unleaded (95 RON) gasoline

	2015 = 100											
	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia	109.0	107.4	105.1	103.0	100.0	98.3	99.1	101.3	100.9	100.1	97.5	..
Austria	116.2	115.7	109.3	104.5	100.0	97.0	96.5	96.7	94.6	92.3	88.9	88.6
Belgium	108.6	107.7	105.4	103.9	100.0	96.4	95.4	94.4	92.1	90.2	87.4	..
Canada	107.0	106.3	105.7	103.9	100.0	97.1	100.4	102.5	103.1	102.1	100.1	..
Chile	101.4	103.8	104.7	108.1	100.0	96.9	97.0	99.9	101.0	103.8	96.5	..
Czech Republic	107.4	105.9	105.3	104.9	100.0	96.7	96.0	95.6	92.6	89.6	85.2	..
Denmark	102.0	102.9	103.3	102.3	100.0	98.4	99.2	100.7	100.9	98.7	94.8	..
Estonia	110.3	109.5	105.2	104.1	100.0	98.8	98.8	120.4	118.4	118.7	115.4	116.2
Finland	100.4	102.1	101.2	101.8	100.0	97.9	101.2	101.0	100.3	99.5	96.4	..
France	103.4	101.9	101.5	100.5	100.0	100.7	102.5	106.7	105.5	104.6	100.8	..
Germany	108.1	107.6	105.1	103.0	100.0	97.7	97.5	97.5	95.6	94.7	91.2	89.5
Greece	101.2	101.2	101.1	101.6	100.0	99.7	104.7	105.7	105.4	105.8	101.5	..
Hungary	107.4	108.9	106.0	105.1	100.0	96.7	96.7	96.8	93.7	90.8	86.0	..
Iceland
Ireland	97.1	106.0	104.8	103.3	100.0	100.4	102.0	103.1	101.8	102.9	99.2	..
Israel	100.4	101.5	109.6	103.7	100.0	97.3	97.5	98.7	97.0	97.8	94.3	..
Italy	89.5	103.7	103.2	103.4	100.0	98.4	98.7	98.9	97.8	97.4	94.6	..
Japan
Korea	108.2	106.8	105.3	103.5	100.0	97.9	96.7	94.0	89.0	94.0	93.0	..
Latvia	105.3	110.6	108.7	105.8	100.0	101.9	101.1	109.8	105.3	109.6	103.9	106.3
Lithuania	108.2	107.3	105.2	103.5	100.0	96.6	95.0	94.5	92.1	95.5	91.1	92.9
Luxembourg	105.1	104.3	101.6	100.0	100.0	97.8	97.7	97.4	98.0	97.7	91.5	..
Mexico	84.4	85.7	90.9	97.2	100.0	98.0	115.2	119.5
Netherlands	100.7	102.0	102.7	102.4	100.0	98.7	98.8	98.2	96.2	95.8	92.8	..
New Zealand	96.8	97.4	99.5	101.5	100.0	98.0	97.6	101.1	105.9	106.3	103.6	..
Norway	103.1	106.4	105.1	104.4	100.0	97.8	101.3	101.7	99.8	99.1	95.6	..
Poland	107.1	107.8	105.3	103.8	100.0	98.7	98.3	99.2	97.5	93.3	88.0	..
Portugal	101.7	101.2	99.7	98.9	100.0	104.0	102.5	103.8	100.7	102.2	99.0	..
Slovak Republic	108.2	106.7	104.1	103.7	100.0	98.7	99.1	98.3	95.0	92.3	88.5	..
Slovenia	86.2	98.1	102.9	102.7	100.0	97.7	99.5	96.8	93.1	93.0	87.5	..
Spain	98.5	102.1	104.9	104.0	100.0	98.2	97.9	98.1	99.3	99.4	94.6	96.8
Sweden	98.2	101.2	100.0	99.8	100.0	103.8	106.4	110.6	111.7	110.8	106.6	..
Switzerland	98.3	99.6	99.5	100.9	100.0	100.2	100.5	100.2	99.5	99.5	98.5	..
Turkey	121.2	116.2	118.9	107.2	100.0	94.7	93.0	83.6	74.4	71.7	67.2	..
United Kingdom	112.3	109.7	106.9	104.0	100.0	98.5	97.9	97.2	95.5	94.7	91.1	..
United States	97.5	96.9	95.8	95.4	100.0	98.5	98.3	97.5	96.9	97.0	97.5	..

* Indices for 3Q2020 are based on preliminary values.

D. ENERGY END-USE PRICES

in USD/unit

(converted using exchange rates)

Table 1
USD exchange rates in national currencies

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia	0.969	0.966	1.036	1.109	1.331	1.345	1.305	1.339	1.439	1.521	1.526	1.406
Austria	0.719	0.778	0.753	0.754	0.901	0.904	0.887	0.847	0.893	0.908	0.908	0.858
Belgium	0.719	0.778	0.753	0.754	0.901	0.904	0.887	0.847	0.893	0.908	0.908	0.858
Canada	0.989	0.999	1.030	1.105	1.278	1.325	1.298	1.296	1.327	1.344	1.386	1.337
Chile	483.42	485.98	495.28	570.64	654.32	676.54	648.68	641.90	703.31	804.07	822.66	783.26
Czech Republic	17.672	19.538	19.560	20.758	24.593	24.441	23.385	21.730	22.931	23.243	24.596	22.634
Denmark	5.357	5.790	5.618	5.619	6.725	6.731	6.602	6.314	6.669	6.779	6.779	6.397
Estonia	0.719	0.778	0.753	0.754	0.901	0.904	0.887	0.847	0.893	0.908	0.908	0.858
Finland	0.719	0.778	0.753	0.754	0.901	0.904	0.887	0.847	0.893	0.908	0.908	0.858
France	0.719	0.778	0.753	0.754	0.901	0.904	0.887	0.847	0.893	0.908	0.908	0.858
Germany	0.719	0.778	0.753	0.754	0.901	0.904	0.887	0.847	0.893	0.908	0.908	0.858
Greece	0.719	0.778	0.753	0.754	0.901	0.904	0.887	0.847	0.893	0.908	0.908	0.858
Hungary	200.9	224.8	223.6	232.6	279.2	281.5	274.5	270.2	290.6	307.4	319.7	300.6
Iceland	116.06	125.12	122.17	116.69	131.90	120.84	106.82	108.27	122.64	128.28	141.24	137.35
Ireland	0.719	0.778	0.753	0.754	0.901	0.904	0.887	0.847	0.893	0.908	0.908	0.858
Israel	3.574	3.850	3.609	3.577	3.887	3.839	3.599	3.595	3.564	3.498	3.516	3.417
Italy	0.719	0.778	0.753	0.754	0.901	0.904	0.887	0.847	0.893	0.908	0.908	0.858
Japan	79.71	79.81	97.60	105.85	121.00	108.80	112.18	110.44	109.05	108.95	107.54	106.37
Korea	1 107	1 126	1 095	1 053	1 131	1 161	1 131	1 100	1 165	1 194	1 221	1 193
Latvia	0.713	0.778	0.753	0.754	0.901	0.904	0.887	0.847	0.893	0.908	0.908	0.858
Lithuania	0.719	0.778	0.753	0.753	0.901	0.904	0.887	0.847	0.893	0.908	0.908	0.858
Luxembourg	0.719	0.778	0.753	0.754	0.901	0.904	0.887	0.847	0.893	0.908	0.908	0.858
Mexico	12.434	13.150	12.770	13.305	15.874	18.627	18.871	19.178	19.217	19.907	23.204	22.236
Netherlands	0.719	0.778	0.753	0.754	0.901	0.904	0.887	0.847	0.893	0.908	0.908	0.858
New Zealand	1.266	1.235	1.220	1.206	1.434	1.437	1.407	1.446	1.518	1.577	1.619	1.516
Norway	5.605	5.815	5.877	6.302	8.064	8.400	8.271	8.135	8.799	9.486	10.015	9.121
Poland	2.962	3.252	3.160	3.154	3.770	3.944	3.779	3.611	3.839	3.922	4.095	3.803
Portugal	0.719	0.778	0.753	0.754	0.901	0.904	0.887	0.847	0.893	0.908	0.908	0.858
Slovak Republic	0.719	0.778	0.753	0.754	0.901	0.904	0.887	0.847	0.893	0.908	0.908	0.858
Slovenia	0.719	0.778	0.753	0.754	0.901	0.904	0.887	0.847	0.893	0.908	0.908	0.858
Spain	0.719	0.778	0.753	0.754	0.901	0.904	0.887	0.847	0.893	0.908	0.908	0.858
Sweden	6.489	6.769	6.513	6.860	8.429	8.556	8.547	8.690	9.456	9.663	9.691	8.882
Switzerland	0.887	0.937	0.927	0.915	0.962	0.985	0.985	0.978	0.994	0.968	0.964	0.922
Turkey	1.672	1.792	1.905	2.189	2.723	3.022	3.649	4.840	5.676	6.108	6.866	7.064
United Kingdom	0.624	0.631	0.640	0.607	0.655	0.741	0.777	0.750	0.784	0.782	0.806	0.775
United States	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

* Exchange rates for 3Q2020 are preliminary.

For detailed notes on methodology, please refer to the detailed notes on sources and methods at the beginning of Part II.

Table 2
High sulphur fuel oil prices for industry in USD/tonne

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia
Austria	x	x	x	x	x	x	x	x	x	x	x	x
Belgium	x	x	x	x	x	x	x	x	x	x	x	x
Canada	741.8	779.8	718.7	626.8	313.6	256.5	360.0	451.1	447.7
Chile
Czech Republic	c	c	c	c	c	c	c	c	c	c	c	c
Denmark
Estonia
Finland
France
Germany
Greece
Hungary
Iceland
Ireland	1 108.4	1 134.9	1 105.1	1 051.6	684.3	624.0	785.4	707.8	621.4	571.4	418.1	..
Israel	c	c	c	c	c	c	c	c	c	c	c	c
Italy
Japan
Korea	826.8	924.5	818.1	763.1	436.4	343.6	462.9	590.0	544.5	513.8	362.5	..
Latvia
Lithuania	646.8	646.1	610.2	618.3	341.4	340.7	317.5	386.8	418.0	424.0	420.4	394.7
Luxembourg	x	x	x	x	x	x	x	x	x	x	x	x
Mexico	540.0	600.8	548.4	501.2	258.7	150.7	256.9	284.6
Netherlands	x	x	x	x	x	x	x	x	x	x	x	x
New Zealand	667.1	697.6	676.2	638.4	383.4	302.6	413.3	484.4	452.2	400.0	239.5	..
Norway	x	x	x	x	x	x	x	x	x	x	x	x
Poland	650.5	707.0	670.1	627.8	322.0	230.8	334.9	432.3	360.3	379.6	268.9	..
Portugal	x	x	x	x	x	x	x	x	x	x	x	x
Slovak Republic	x	x	x	x	x	x	x	x	x	x	x	x
Slovenia	x	x	x	x	x	x	x	x	x	x	x	x
Spain
Sweden	x	x	x	x	x	x	x	x	x	x	x	x
Switzerland	x	x	x	x	x	x	x	x	x	x	x	x
Turkey	1 120.6	1 206.2	1 121.5	994.3	603.5	518.4	609.5	678.3	565.2	441.0	314.5	..
United Kingdom	x	x	x	x	x	x	x	x	x	x	x	x
United States	669.9	726.5	694.2	646.6	353.2	263.8	359.3	465.2	442.3	492.3	284.3	..
OECD Europe
OECD Total

* Prices for 3Q2020 are preliminary.

Table 3
Low sulphur fuel oil prices for industry in USD/tonne

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia
Austria	795.2	824.5	769.2	717.1	391.1	338.8	438.2	536.0	507.3	515.6	336.4	396.5
Belgium	719.4	750.6	693.7	639.1	321.5	274.2	373.5	468.4	449.7	407.7	240.3	..
Canada
Chile
Czech Republic	528.9	542.0	534.3	484.7	297.4	245.1	283.2	431.3	439.0	493.1	308.2	..
Denmark	811.8	932.5	922.3	876.0	531.0	387.3	517.4	722.8	691.2	720.8	550.9	..
Estonia
Finland
France	726.4	773.0	732.8	687.6	417.0	378.0	509.4	663.4	636.9	597.8	432.7	..
Germany	712.9	729.2	672.0	599.2	308.8	255.9
Greece	799.3	841.4	785.5	734.5	412.9	361.8	461.5	563.6	551.6	530.4	333.5	..
Hungary	738.0	780.1	694.9	751.2	498.0	424.5	482.7	689.3	580.7	560.5	403.9	..
Iceland
Ireland
Israel	c	c	c	c	c	c	c	c	c	c	c	c
Italy	778.3	827.5	761.9	713.3	428.4	348.3	430.6	524.0	540.9	530.1	356.2	..
Japan	938.4	972.7	866.7	830.2	514.5	442.5	531.6	670.9	658.2	634.2	463.4	517.1
Korea	909.5	1 007.1	896.9	870.4	527.3	429.1	546.5	651.8	632.2	636.0	366.1	..
Latvia
Lithuania
Luxembourg
Mexico
Netherlands	687.3	718.2	660.4	659.6	553.9	556.1	672.2	854.1	789.1	654.9	411.5	519.4
New Zealand
Norway
Poland	746.7	799.6	774.2	752.9	453.7	346.1	434.3	500.2	464.7	446.0	255.4	..
Portugal	964.2	971.7	945.6	897.6	573.0	530.6	674.0	770.1	724.4	739.0	548.8	..
Slovak Republic	615.9	712.8	673.1	625.9	385.6	267.5	376.8	467.4	444.7	422.1	243.7	..
Slovenia	827.5	885.2	866.2	875.3	546.5	481.5	579.8	697.8	735.5	x	x	x
Spain	729.3	772.8	742.5	701.9	383.0	308.3	409.5	504.5	486.7	506.8	304.6	343.5
Sweden	1 436.4	1 434.9	1 425.9	1 316.2	904.7	831.7	920.4	1 015.5	958.0	925.9	738.3	870.1
Switzerland	836.0	840.6	797.2
Turkey
United Kingdom	c	c	c	c	c	c	c	c	c	c	c	c
United States
OECD Europe	781.7	810.3	760.1	688.4	383.9	342.0
OECD Total

* Prices for 3Q2020 are preliminary.

Table 4
Heavy fuel oil prices for electricity generation in USD/tonne

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia
Austria	455.7	643.7	343.6	461.7	367.3	184.9	144.0	299.5	275.1	236.6	191.4	210.6
Belgium	x	x	x	x	x	x	x	x	x	x	x	x
Canada	539.6	665.5	664.2
Chile
Czech Republic	c	c	c	c	c	c	c	c	c	c	c	c
Denmark
Estonia
Finland
France
Germany	..	c	c	c	c	c	c	c	c	c	c	c
Greece
Hungary	x	x	x	x	x	x	x	x	x	x	x	x
Iceland
Ireland
Israel	769.2	805.8	x	x	x	x	x	x	x	x	x	x
Italy	c	c	c	c	c	c	c	c	c	c	c	c
Japan
Korea
Latvia
Lithuania
Luxembourg
Mexico	537.6	602.8	550.3	501.6	260.4	137.0	266.0	309.4
Netherlands
New Zealand	c	c	c	c	c	c	c	c	c	c	c	c
Norway	x	x	x	x	x	x	x	x	x	x	x	x
Poland	673.4	715.2	665.2	615.2	336.9	271.6	374.6	462.4	380.2	393.3	290.2	..
Portugal	x	x	x	x	x	x	x	x	x	x	x	x
Slovak Republic	x	x	x	x	x	x	x	x	x	x	x	x
Slovenia
Spain
Sweden
Switzerland
Turkey	1 120.6	1 206.2	1 121.5	994.3	603.5	518.4	609.5	678.3	565.2	441.0	314.5	..
United Kingdom	806.2	857.1	789.0	730.3	468.0	350.8	383.5	496.6	486.6	515.1
United States	766.4	881.6	809.0	803.3	433.9	354.2	461.2	540.9	532.8	508.7	288.8	..
OECD Europe
OECD Total

* Prices for 3Q2020 are preliminary.

Table 5
Light fuel oil prices for industry in USD/1000 litres

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia
Austria	894.3	874.1	817.9	821.5	650.6	572.7	583.5	674.7	625.5	524.9	323.6	417.2
Belgium	933.2	948.9	925.5	856.2	527.2	441.2	527.7	661.3	621.4	525.5	354.9	..
Canada	918.5	929.7	911.1	856.8	547.8	450.2	525.1	664.0	620.6	530.5	334.1	..
Chile
Czech Republic	944.3	949.9	923.8	844.7	541.8	438.1	527.9	659.7	619.6	548.6	383.4	..
Denmark	1 245.3	1 171.0	1 197.3	1 130.7	796.5	666.6	742.1	942.3	904.9	851.2	645.3	..
Estonia	1 090.2	1 102.8	1 102.3	1 043.6	717.9	578.7	667.9	827.2	823.5	795.9	634.9	652.4
Finland	1 208.5	1 184.1	1 182.3	1 090.7	753.0	679.7	799.2	947.7	887.7	790.6	603.8	..
France	980.2	1 007.5	984.7	889.7	596.8	529.9	633.6	831.2	811.8	741.3	605.9	..
Germany	924.9	937.5	902.2	821.0	512.4	424.6	507.8	652.3	600.9	504.9	349.3	400.7
Greece	1 235.6	1 417.9	1 369.3	1 281.9	807.7	709.3	851.5	945.3	890.2	891.3	679.9	..
Hungary
Iceland
Ireland	1 140.6	1 154.0	1 150.6	1 039.8	577.8	560.1	626.2	755.1	704.5	664.8	476.6	..
Israel	c	c	c	c	c	c	c	c	c	c	c	c
Italy	1 565.6	1 545.3	1 554.2	1 499.7	1 061.6	992.4	1 079.3	1 229.0	1 198.8	1 148.6	986.9	..
Japan	893.8	955.6	890.2	853.7	535.5	467.9	556.7	696.2	683.9	659.9	489.4	..
Korea	x	x	x	x	x	x	x	x	x	x	x	x
Latvia	1 052.8	1 052.0	1 013.2	960.4	630.1	532.8	634.1	749.5	733.2	694.2	433.0	546.1
Lithuania	925.9	930.4	895.2	828.5	524.7	423.1	529.7	640.5	599.4	530.1	327.6	397.6
Luxembourg	932.5	948.9	928.2	864.2	542.1	460.4	544.6	679.3	629.7	543.2	367.2	..
Mexico	641.3	662.2	691.5	668.0	281.0	188.1	353.6	463.8
Netherlands	970.5	945.5	1 087.1	1 132.8	939.3	829.1	939.8	1 066.6	1 018.2	976.9	817.4	933.7
New Zealand	771.1	784.7	760.5	710.3	441.9	362.0	484.8	597.7	520.4	430.0	325.6	..
Norway	1 328.7	1 391.3	1 342.0	1 396.0	974.0	891.9	968.0	1 099.8	1 083.8	x	x	x
Poland	987.0	1 000.0	975.2	930.3	628.5	539.3	623.0	755.4	700.8	645.9	502.0	..
Portugal
Slovak Republic	1 058.6	1 072.3	1 098.4	1 048.8	667.4	500.8	x	x	x	x	x	x
Slovenia	1 057.3	1 091.7	1 105.1	1 099.4	770.5	661.3	746.3	909.8	876.2	841.4	634.3	..
Spain	1 014.3	1 026.2	1 000.2	939.8	608.8	516.6	609.8	739.9	713.0	641.7	449.2	529.1
Sweden	1 021.7	1 040.6	1 026.3	943.3	725.9	712.6	808.2	1 014.4	964.1	888.5	687.2	..
Switzerland	960.5	969.8	944.8	964.6	671.9	615.0	692.1	872.8	810.8	759.8	563.4	..
Turkey
United Kingdom	1 013.0	1 040.6	1 005.5	961.3	671.0	549.5	619.0	743.5	679.6	638.9
United States	768.0	800.8	783.7	724.3	413.5	327.4	422.6	528.9	500.7	423.4	236.2	..
OECD Europe	1 072.7	1 071.3	1 046.6	999.6	682.5	591.3	680.8	815.9	774.8	695.5	539.2	..
OECD Total	881.0	887.4	880.2	802.9	510.2	419.3	516.4	640.0	614.0	539.9	356.6	..

* Prices for 3Q2020 are preliminary.

Table 6
Light fuel oil prices for households in USD/1000 litres

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia
Austria	1 281.7	1 285.1	1 257.0	1 183.3	791.7	676.7	773.4	950.7	886.3	785.7	655.7	689.1
Belgium	1 129.2	1 148.2	1 119.9	1 036.1	637.9	533.8	638.5	800.2	751.8	635.9	429.5	..
Canada	1 140.5	1 178.1	1 167.8	1 134.3	821.6	723.8	752.5	888.1	841.5	720.0	617.6	..
Chile	1 211.7	1 253.8	1 263.1	1 236.2	952.7	826.6	855.8	1 022.1	948.2	868.2	694.0	..
Czech Republic	1 249.6	1 245.2	1 228.2	1 126.2	743.5	618.5	731.1	897.8	844.0	756.8	551.8	..
Denmark	1 933.5	1 923.8	2 059.8	1 986.7	1 359.1	1 199.3	1 303.0	1 572.3	1 508.9	1 439.4	1 182.0	..
Estonia	1 308.2	1 323.4	1 322.8	1 252.3	861.4	694.4	801.5	992.7	988.2	955.0	761.9	782.8
Finland	1 486.5	1 456.4	1 466.1	1 352.4	933.8	842.8	991.0	1 175.2	1 097.9	980.3	748.7	..
France	1 233.7	1 245.6	1 231.2	1 143.0	788.5	700.6	832.6	1 076.3	1 039.7	972.0	813.1	..
Germany	1 134.9	1 141.9	1 108.1	1 020.6	656.7	544.1	642.8	819.0	757.0	670.8	552.4	537.9
Greece	1 218.7	1 465.7	1 684.2	1 576.7	993.5	874.9	1 055.9	1 172.2	1 103.8	1 105.2	843.0	..
Hungary	x	x	x	x	x	x	x	x	x	x	x	x
Iceland	1 218.2	1 280.2	1 271.9	1 222.1	904.3
Ireland	1 409.5	1 416.0	1 415.6	1 289.9	747.5	635.6	710.7	857.0	799.6	754.5	541.0	..
Israel	2 029.6	2 039.3	2 080.1	2 039.0	1 602.6	1 497.8	1 646.4	1 793.7	1 762.8	1 742.7	1 433.8	..
Italy	1 883.3	1 869.8	1 886.1	1 829.6	1 295.2	1 210.7	1 316.7	1 499.4	1 462.6	1 401.3	1 204.0	..
Japan	1 135.5	1 148.9	1 013.6	993.9	678.6	589.8	695.8	831.7	833.7	845.3	729.1	..
Korea	1 193.2	1 238.1	1 248.2	1 231.4	837.4	675.9	754.5	856.5	825.3	803.1	671.3	..
Latvia	1 284.4	1 278.4	1 226.0	1 162.1	762.4	644.6	767.3	906.9	887.2	840.0	523.9	660.7
Lithuania	1 120.3	1 125.8	1 083.2	1 002.4	634.8	511.9	641.0	775.0	725.3	641.4	396.3	481.0
Luxembourg	1 027.3	1 046.9	1 023.2	951.6	604.0	510.9	606.7	759.6	703.8	605.5	404.8	..
Mexico	x	x	x	x	x	x	x	x	x	x	x	x
Netherlands	1 154.9	1 129.1	1 315.3	1 370.7	1 136.6	1 003.2	1 137.1	1 290.5	1 232.0	1 182.0	989.1	1 129.8
New Zealand
Norway	1 660.9	1 739.1	1 677.5	1 745.0	1 217.6	1 114.9	1 210.1	1 374.7	1 354.8	x	x	x
Poland	1 242.9	1 273.1	1 239.1	1 184.9	805.2	663.2	772.8	920.2	877.5	816.8	635.7	..
Portugal	1 468.4	1 662.3	1 708.8	1 654.0	1 178.4	1 067.0	1 187.1	1 367.6	1 331.5	1 284.0	1 069.9	..
Slovak Republic
Slovenia	1 268.7	1 310.1	1 337.1	1 341.2	940.0	806.7	910.5	1 110.0	1 068.9	1 026.5	773.8	..
Spain	1 196.9	1 220.6	1 210.2	1 137.2	736.7	625.1	737.9	895.3	862.7	776.4	543.6	640.2
Sweden	1 988.9	2 032.4	2 046.8
Switzerland	1 105.0	1 108.3	1 083.6	1 081.9	771.2	710.3	801.5	986.4	911.0	836.1	680.9	..
Turkey	1 816.7	1 817.5	1 813.9	1 660.6	1 142.6	1 004.6	1 066.8	1 091.3	977.1	824.5	535.4	..
United Kingdom	1 091.7	1 121.3	1 090.8	1 025.5	699.7	574.9	649.8	792.1	751.0	682.9	508.4	..
United States	1 019.1	1 049.3	1 048.4	1 029.9	734.2	582.8	694.8	834.6	831.2	775.5	553.9	..
OECD Europe	1 234.0	1 248.6	1 219.6	1 136.9	757.4	652.1	754.7	943.5	889.4	808.1	647.1	..
OECD Total	1 167.2	1 190.0	1 150.2	1 090.6	744.7	630.5	731.0	894.5	862.5	803.4	638.0	..

* Prices for 3Q2020 are preliminary.

Table 7
Automotive diesel oil prices for commercial use in USD/litre

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia
Austria	1.278	1.253	1.311	1.260	1.011	0.939	0.966	1.070	1.034	0.948	0.747	0.850
Belgium	1.655	1.627	1.619	1.552	1.122	1.085	1.237	1.467	1.408	1.341	1.173	..
Canada	1.051	1.044	1.028	1.015	0.679	0.568	0.676	0.821	0.759	0.721	0.517	..
Chile
Czech Republic	1.616	1.555	1.527	1.445	1.048	0.926	1.042	1.200	1.142	1.098	0.884	..
Denmark	1.562	1.530	1.613	1.524	1.111	1.029	1.124	1.296	1.226	1.202	0.999	..
Estonia	1.470	1.470	1.463	1.400	0.996	0.953	1.105	1.284	1.240	1.230	0.988	0.968
Finland	1.547	1.614	1.613	1.579	1.158	1.059	1.176	1.322	1.270	1.229	1.057	..
France	1.553	1.501	1.498	1.424	1.068	1.015	1.155	1.413	1.342	1.278	1.096	..
Germany	1.665	1.609	1.594	1.520	1.108	1.022	1.118	1.305	1.217	1.168	1.014	1.082
Greece	1.648	1.577	1.485	1.431	1.045	0.952	1.140	1.305	1.240	1.187	0.997	..
Hungary	1.512	1.520	1.499	1.407	1.010	0.930	1.025	1.156	1.082	0.994	0.840	..
Iceland
Ireland	1.624	1.625	1.637	1.569	1.131	1.035	1.139	1.288	1.204	1.173	1.026	..
Israel	c	c	c	c	c	c	c	c	c	c	c	c
Italy	1.674	1.812	1.815	1.751	1.279	1.162	1.278	1.440	1.357	1.306	1.156	..
Japan	1.318	1.354	1.190	1.137	0.779	0.755	0.825	0.974	0.964	0.938	0.770	..
Korea
Latvia	1.469	1.439	1.432	1.378	0.971	0.870	0.975	1.161	1.110	1.087	0.865	1.004
Lithuania	1.422	1.414	1.450	1.388	0.979	0.866	0.960	1.119	1.057	1.027	0.839	0.941
Luxembourg	1.411	1.405	1.406	1.344	0.966	0.874	0.959	1.105	1.054	1.019	0.843	..
Mexico	0.665	0.697	0.800	0.859	0.769	0.648	0.755	0.851
Netherlands	1.575	1.553	1.559	1.542	1.128	1.043	1.137	1.302	1.255	1.226	1.099	..
New Zealand	0.929	0.957	0.940	0.873	0.566	0.436	0.562	0.733	0.673	0.597	0.416	..
Norway	1.812	1.819	1.791	1.663	1.213	1.111	1.304	1.461	1.354	1.253	1.088	..
Poland	1.383	1.416	1.408	1.342	0.965	0.852	0.952	1.107	1.069	1.028	0.821	..
Portugal	1.730	1.690	1.671	1.567	1.194	1.136	1.269	1.437	1.383	1.348	1.175	..
Slovak Republic	1.559	1.548	1.554	1.501	1.061	0.972	1.076	1.237	1.160	1.099	0.957	..
Slovenia	1.440	1.459	1.513	1.469	1.070	0.976	1.087	1.237	1.148	1.109	0.905	..
Spain	1.496	1.475	1.490	1.432	1.023	0.927	1.026	1.174	1.124	1.086	0.918	1.019
Sweden	1.727	1.739	1.787	1.679	1.261	1.243	1.334	1.436	1.322	1.279	1.127	..
Switzerland	1.766	1.733	1.704	1.640	1.309	1.167	1.256	1.412	1.338	1.369	1.102	..
Turkey	2.201	2.243	2.284	1.996	1.425	1.279	1.286	1.192	1.126	1.026	0.790	..
United Kingdom	1.853	1.873	1.829	1.831	1.463	1.239	1.289	1.445	1.398	1.366	1.170	..
United States	1.016	1.049	1.036	1.011	0.715	0.610	0.701	0.841	0.807	0.765	0.642	..
OECD Europe	1.639	1.647	1.647	1.576	1.171	1.066	1.158	1.310	1.245	1.193	1.012	..
OECD Total	1.355	1.378	1.363	1.321	0.968	0.874	0.965	1.107	1.063	1.016	0.854	..

* Prices for 3Q2020 are preliminary.

Table 8
Automotive diesel oil prices for non-commercial use in USD/litre

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia	1.531	1.550	1.469	1.398	0.969	0.875	0.993	1.118	1.018	0.954	0.788	..
Austria	1.849	1.812	1.801	1.724	1.243	1.139	1.246	1.445	1.350	1.269	1.106	1.190
Belgium	2.003	1.969	1.959	1.878	1.357	1.313	1.497	1.775	1.703	1.622	1.419	..
Canada	1.259	1.255	1.248	1.214	0.854	0.737	0.849	0.993	0.928	0.887	0.678	..
Chile	1.199	1.248	1.240	1.170	0.781	0.639	0.749	0.905	0.843	0.798	0.698	..
Czech Republic	1.939	1.866	1.847	1.748	1.269	1.120	1.261	1.453	1.382	1.328	1.070	..
Denmark	1.953	1.913	2.016	1.904	1.388	1.287	1.405	1.620	1.533	1.503	1.248	..
Estonia	1.764	1.764	1.756	1.680	1.196	1.144	1.326	1.541	1.488	1.476	1.185	1.161
Finland	1.902	1.985	2.000	1.958	1.436	1.313	1.458	1.639	1.575	1.524	1.310	..
France	1.857	1.795	1.792	1.709	1.281	1.218	1.387	1.696	1.610	1.534	1.315	..
Germany	1.982	1.915	1.897	1.808	1.319	1.216	1.330	1.553	1.448	1.390	1.207	1.288
Greece	2.026	1.940	1.827	1.760	1.286	1.175	1.414	1.618	1.537	1.472	1.237	..
Hungary	1.890	1.930	1.904	1.787	1.282	1.181	1.301	1.468	1.374	1.263	1.067	..
Iceland
Ireland	1.965	1.998	2.013	1.929	1.391	1.273	1.401	1.584	1.482	1.443	1.263	..
Israel	2.131	2.057	2.112	2.080	1.639	1.507	1.688	1.866	1.861	1.832	1.576	..
Italy	2.013	2.192	2.201	2.136	1.560	1.418	1.560	1.756	1.656	1.594	1.411	..
Japan	1.581	1.594	1.385	1.341	0.967	0.937	1.000	1.163	1.164	1.173	1.027	..
Korea	1.577	1.604	1.580	1.554	1.149	1.019	1.134	1.265	1.150	1.130	0.908	..
Latvia	1.793	1.748	1.733	1.667	1.175	1.053	1.180	1.404	1.343	1.315	1.047	1.215
Lithuania	1.721	1.710	1.754	1.680	1.184	1.049	1.161	1.355	1.279	1.243	1.015	1.139
Luxembourg	1.623	1.616	1.617	1.546	1.130	1.022	1.123	1.297	1.234	1.193	0.986	..
Mexico	0.763	0.800	0.919	0.993	0.889	0.752	0.894	0.987
Netherlands	1.874	1.856	1.886	1.866	1.365	1.262	1.376	1.576	1.518	1.483	1.329	..
New Zealand	1.173	1.217	1.206	1.172	0.797	0.705	0.838	0.992	0.956	0.876	0.718	..
Norway	2.265	2.273	2.239	2.079	1.516	1.388	1.630	1.826	1.692	1.566	1.360	..
Poland	1.701	1.742	1.732	1.650	1.187	1.048	1.171	1.362	1.315	1.265	1.010	..
Portugal	1.908	1.864	1.843	1.729	1.317	1.254	1.400	1.585	1.526	1.487	1.296	..
Slovak Republic	1.871	1.857	1.865	1.801	1.273	1.166	1.291	1.485	1.393	1.319	1.149	..
Slovenia	1.728	1.750	1.831	1.793	1.305	1.191	1.326	1.509	1.400	1.352	1.104	..
Spain	1.765	1.754	1.803	1.733	1.237	1.121	1.241	1.420	1.360	1.314	1.111	1.234
Sweden	2.159	2.173	2.234	2.098	1.576	1.554	1.668	1.795	1.653	1.598	1.409	..
Switzerland	2.099	2.062	2.040	1.986	1.613	1.474	1.608	1.782	1.754	1.715	1.555	..
Turkey	2.201	2.243	2.284	1.996	1.425	1.279	1.286	1.192	1.126	1.026	0.790	..
United Kingdom	2.224	2.247	2.195	2.197	1.756	1.486	1.547	1.734	1.678	1.639	1.404	..
United States	1.016	1.049	1.036	1.011	0.715	0.610	0.701	0.841	0.807	0.765	0.642	..
OECD Europe	1.952	1.960	1.961	1.880	1.391	1.264	1.377	1.565	1.486	1.425	1.215	..
OECD Total	1.553	1.578	1.556	1.513	1.110	1.004	1.108	1.265	1.212	1.162	0.984	..

* Prices for 3Q2020 are preliminary.

Table 9
Regular unleaded gasoline prices in USD/litre

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia	1.475	1.482	1.403	1.323	0.964	0.869	0.986	1.070	0.988	0.915	0.721	..
Austria	1.888	1.861	1.845	1.786	1.329	1.225	1.323	1.492	1.384	1.297	1.131	1.223
Belgium	x	x	x	x	x	x	x	x	x	x	x	x
Canada	1.252	1.276	1.244	1.161	0.851	0.776	0.883	0.994	0.911	0.808	0.664	..
Chile	1.482	1.573	1.576	1.493	1.093	1.001	1.093	1.216	1.106	1.041	0.942	..
Czech Republic	1.914	1.850	1.816
Denmark	2.219	2.174	2.245	2.148	1.645	1.548	1.686	1.868	1.713	x	x	x
Estonia
Finland	x	x	x	x	x	x	x	x	x	x	x	x
France	x	x	x	x	x	x	x	x	x	x	x	x
Germany	..	x	x	x	x	x	x	x	x	x	x	x
Greece	x	x	x	x	x	x	x	x	x	x	x	x
Hungary	x	x	x	x	x	x	x	x	x	x	x	x
Iceland
Ireland	x	x	x	x	x	x	x	x	x	x	x	x
Israel	x	x	x	x	x	x	x	x	x	x	x	x
Italy	x	x	x	x	x	x	x	x	x	x	x	x
Japan	1.829	1.840	1.598	1.539	1.137	1.108	1.190	1.356	1.339	1.352	1.202	..
Korea	1.742	1.764	1.758	1.735	1.335	1.209	1.319	1.437	1.264	1.279	1.065	..
Latvia
Lithuania
Luxembourg
Mexico	0.738	0.776	0.892	0.948	0.832	0.718	0.844	0.930
Netherlands	x	x	x	x	x	x	x	x	x	x	x	x
New Zealand	1.625	1.696	1.723	1.729	1.314	1.227	1.339	1.453	1.382	1.324	1.130	..
Norway	x	x	x	x	x	x	x	x	x	x	x	x
Poland	x	x	x	x	x	x	x	x	x	x	x	x
Portugal	x	x	x	x	x	x	x	x	x	x	x	x
Slovak Republic
Slovenia
Spain	x	x	x	x	x	x	x	x	x	x	x	x
Sweden	x	x	x	x	x	x	x	x	x	x	x	x
Switzerland	x	x	x	x	x	x	x	x	x	x	x	x
Turkey	x	x	x	x	x	x	x	x	x	x	x	x
United Kingdom	x	x	x	x	x	x	x	x	x	x	x	x
United States	0.932	0.958	0.926	0.889	0.640	0.568	0.639	0.720	0.686	0.636	0.510	..
OECD Europe
OECD Total	1.065	1.090	1.049	1.006	0.740	0.666	0.746	0.838	0.789	0.738	0.605	..

* Prices for 3Q2020 are preliminary.

Table 10
Premium unleaded (98 RON) gasoline prices in USD/litre

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia
Austria	2.098	2.067	2.048	1.981	1.490	1.391	1.498	1.673	1.562	1.470	1.310	1.416
Belgium	2.270	2.236	2.264	2.181	1.660	1.550	1.675	1.831	1.714	1.650	1.460	..
Canada	1.376	1.399	1.372	1.297	0.977	0.899	1.017	1.134	1.061	0.967	0.819	..
Chile	1.565	1.670	1.675	1.589	1.210	1.098	1.200	1.307	1.196	1.119	1.027	..
Czech Republic	2.062	1.980	1.958	1.851	1.386	1.284	1.411	1.640	1.557	1.503	1.230	..
Denmark	2.290	2.249	2.321	x	x	x	x	x	x	x	x	x
Estonia
Finland	2.250	2.206	2.225	2.198	1.690	1.599	1.733	1.879	1.809	1.744	1.545	..
France	2.137	2.080	2.117	2.048	1.570	1.507	1.627	1.855	1.757	1.694	1.473	..
Germany	2.232	2.159	2.166	2.076	1.588	1.501	1.626	1.814	1.697	1.679	1.507	1.671
Greece	x	x	x	x	x	x	x	x	x	x	x	x
Hungary
Iceland
Ireland
Israel	x	x	x	x	x	x	x	x	x	x	x	x
Italy
Japan	x	x	x	x	x	x	x	x	x	x	x	x
Korea
Latvia
Lithuania
Luxembourg	1.833	1.821	1.844	1.775	1.373	1.277	1.380	1.506	1.368	1.268	1.176	..
Mexico	x	x	x	x	x	x	x	x	x	x	x	x
Netherlands
New Zealand	x	x	x	x	x	x	x	x	x	x	x	x
Norway	2.526	2.624	x	x	x	x	x	x	x	x	x	x
Poland	1.810	1.820	1.816	1.760	1.309	1.192	1.307	1.459	1.394	1.335	1.081	..
Portugal	2.244	2.212	2.205	2.135	1.652	1.616	1.731	1.915	1.765	1.781	1.550	..
Slovak Republic	x	x	x	x	x	x	x	x	x	x	x	x
Slovenia	1.814	1.921	2.006	1.962	1.483	1.391	1.540	1.708	1.584	1.537	1.269	..
Spain
Sweden	2.229	2.283	2.301	2.170	1.664	1.619	1.732	1.874	1.762	1.635	1.471	..
Switzerland	2.010	1.980	1.973	1.943	1.617	1.502	1.617	1.760	1.699	1.695	1.545	..
Turkey
United Kingdom	2.253	2.264	2.216	2.224	1.818	1.590	1.635	1.803	1.738	1.739	1.498	..
United States	0.996	1.029	1.010	0.980	0.746	0.691	0.771	0.870	0.859	0.812	0.689	..
OECD Europe
OECD Total	1.189	1.207	1.182	1.140	0.868	0.803	0.889	0.999	0.972	0.924	0.789	..

* Prices for 3Q2020 are preliminary.

Table 11
Premium unleaded (95 RON) gasoline prices in USD/litre

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia	1.584	1.602	1.507	1.421	1.053	0.982	1.079	1.161	1.082	1.014	0.818	..
Austria	1.889	1.863	1.847	1.789	1.332	1.229	1.327	1.493	1.385	1.300	1.131	1.224
Belgium	2.231	2.195	2.192	2.117	1.586	1.479	1.606	1.745	1.649	1.556	1.381	..
Canada	1.359	1.382	1.369	1.295	0.938	0.860	0.980	1.097	1.019	0.921	0.775	..
Chile	1.518	1.618	1.618	1.535	1.148	1.045	1.138	1.255	1.145	1.075	0.980	..
Czech Republic	1.958	1.878	1.850	1.740	1.275	1.170	1.296	1.475	1.367	1.333	1.063	..
Denmark	2.225	2.180	2.250	2.152	1.648	1.552	1.689	1.872	1.782	1.694	1.489	..
Estonia	1.724	1.749	1.741	1.684	1.223	1.173	1.338	1.569	1.501	1.488	1.302	1.448
Finland	2.171	2.135	2.165	2.123	1.615	1.515	1.647	1.778	1.709	1.649	1.453	..
France	2.085	2.014	2.041	1.972	1.505	1.439	1.550	1.779	1.685	1.622	1.405	..
Germany	2.169	2.122	2.121	2.038	1.554	1.441	1.547	1.728	1.609	1.539	1.357	1.512
Greece	2.297	2.225	2.225	2.164	1.621	1.529	1.690	1.865	1.766	1.732	1.491	..
Hungary	1.906	1.897	1.867	1.748	1.282	1.184	1.291	1.415	1.316	1.227	1.014	..
Iceland	2.038	2.059	2.082	2.106	1.628
Ireland	2.061	2.079	2.111	2.025	1.515	1.415	1.540	1.699	1.573	1.544	1.354	..
Israel	2.078	2.015	2.117	2.087	1.648	1.565	1.702	1.815	1.770	1.761	1.456	..
Italy	2.163	2.296	2.321	2.272	1.706	1.597	1.723	1.888	1.762	1.709	1.530	..
Japan
Korea	1.929	1.984	2.024	2.053	1.658	1.514	1.614	1.706	1.533	1.512	1.321	..
Latvia	1.801	1.795	1.788	1.707	1.249	1.185	1.299	1.496	1.410	1.403	1.137	1.322
Lithuania	1.840	1.812	1.823	1.746	1.279	1.176	1.277	1.430	1.344	1.327	1.124	1.266
Luxembourg	1.791	1.776	1.772	1.712	1.302	1.209	1.309	1.437	1.427	1.393	1.079	..
Mexico	0.829	0.828	0.940	1.005	0.888	0.762	0.938	1.007
Netherlands	2.280	2.260	2.304	2.262	1.728	1.633	1.750	1.909	1.844	1.809	1.647	..
New Zealand	1.703	1.781	1.823	1.844	1.410	1.333	1.453	1.556	1.489	1.442	1.251	..
Norway	2.440	2.560	2.506	2.345	1.702	1.613	1.769	1.912	1.783	1.641	1.416	..
Poland	1.729	1.752	1.733	1.672	1.228	1.105	1.215	1.369	1.303	1.220	0.990	..
Portugal	2.149	2.110	2.096	2.022	1.588	1.528	1.649	1.815	1.669	1.616	1.430	..
Slovak Republic	2.019	1.997	1.998	1.969	1.450	1.358	1.470	1.624	1.503	1.426	1.230	..
Slovenia	1.795	1.897	1.974	1.923	1.427	1.321	1.431	1.560	1.438	1.402	1.113	..
Spain	1.834	1.830	1.900	1.840	1.362	1.273	1.373	1.522	1.452	1.413	1.213	1.355
Sweden	2.154	2.193	2.205	2.069	1.569	1.520	1.634	1.770	1.672	1.558	1.378	..
Switzerland	1.952	1.928	1.913	1.881	1.547	1.434	1.531	1.669	1.606	1.591	1.441	..
Turkey	2.510	2.513	2.513	2.205	1.656	1.510	1.463	1.300	1.205	1.082	0.834	..
United Kingdom	2.136	2.145	2.097	2.099	1.698	1.469	1.514	1.670	1.594	1.581	1.322	..
United States	0.963	0.994	0.968	0.937	0.697	0.633	0.709	0.808	0.791	0.747	0.622	..
OECD Europe	2.109	2.103	2.106	2.042	1.561	1.437	1.535	1.693	1.597	1.541	1.335	..
OECD Total	1.212	1.227	1.210	1.175	0.887	0.807	0.899	1.005	0.965	0.915	0.772	..

* Prices for 3Q2020 are preliminary.

Table 12
Automotive LPG for commercial use in USD/litre

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia
Austria
Belgium	0.759	0.763	0.737	0.654	0.416	0.375	0.457	0.535	0.472	0.471	0.370	..
Canada
Chile	x	x	x	x	x	x	x	x	x	x	x	x
Czech Republic	0.809	0.757	0.735	0.698	0.492	0.419	0.491	0.558	0.510	0.487	0.402	..
Denmark
Estonia	0.883	0.827	0.816	0.742	0.501	0.468	0.534	0.632	0.585	0.622	0.543	0.553
Finland	x	x	x	x	x	x	x	x	x	x	x	x
France	0.992	0.948	0.969	0.947	0.729	0.653	0.696	0.806	0.799	0.783	0.770	..
Germany	0.860	0.843	0.823	0.772	0.532	0.467	0.522	0.595	0.570	0.580	0.515	..
Greece
Hungary
Iceland
Ireland
Israel
Italy	0.872	0.874	0.882	0.837	0.558	0.511	0.585	0.652	0.580	0.571	0.540	..
Japan	0.894	0.859	0.624	0.617	0.689	0.722	0.714	0.731	0.635	..
Korea
Latvia	0.698	0.657	0.638	0.648	0.502	0.466	0.497	0.526	0.515	0.533	0.436	0.495
Lithuania	0.763	0.724	0.726	0.726	0.487	0.437	0.511	0.555	0.491	0.502	0.416	0.506
Luxembourg	0.791	0.792	0.749	0.694	0.460	0.429	0.507	0.576	0.501	0.500	0.407	..
Mexico
Netherlands	0.818	0.827	0.803	0.825	0.568	0.522	0.590	0.669	0.586	0.598	0.504	..
New Zealand
Norway
Poland	0.714	0.693	0.641	0.660	0.423	0.373	0.446	0.503	0.451	0.462	0.357	..
Portugal
Slovak Republic	0.674	0.642	0.611	0.635	0.399	0.360	0.428	0.479	0.433	0.459	0.371	..
Slovenia	0.878	0.859	0.851	0.826	0.559	0.514	0.593	0.638	0.563	0.564	0.532	..
Spain	0.820	0.808	0.840	0.816	0.574	0.544	0.587	0.663	0.655	0.654	0.608	0.641
Sweden
Switzerland
Turkey	1.395	1.418	1.432	1.252	0.882	0.835	0.836	0.747	0.660	0.647	0.487	..
United Kingdom
United States
OECD Europe
OECD Total

* Prices for 3Q2020 are preliminary.

Table 13
Automotive LPG for non-commercial use in USD/litre

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia	0.726	0.742	0.695	0.708	0.444	0.455	0.551	0.593	0.507	0.506	0.460	..
Austria
Belgium	0.919	0.923	0.892	0.791	0.503	0.454	0.553	0.647	0.571	0.570	0.448	..
Canada	0.724	0.728	0.694	0.713	0.463	0.434	0.552	0.675	0.674	0.668	0.646	..
Chile	x	x	x	x	x	x	x	x	x	x	x	x
Czech Republic	0.970	0.909	0.889	0.844	0.596	0.508	0.594	0.675	0.617	0.590	0.487	..
Denmark
Estonia	1.059	0.992	0.979	0.890	0.602	0.561	0.641	0.759	0.702	0.747	0.652	0.664
Finland	x	x	x	x	x	x	x	x	x	x	x	x
France	1.186	1.133	1.159	1.136	0.874	0.784	0.835	0.967	0.959	0.940	0.924	..
Germany	1.023	1.003	0.980	0.918	0.634	0.556	0.621	0.707	0.678	0.690	0.613	..
Greece
Hungary	1.092	1.103	1.225	1.135	0.778	0.696	0.777	0.866	0.802	0.800	0.686	..
Iceland
Ireland
Israel
Italy	1.049	1.058	1.069	1.021	0.680	0.623	0.714	0.795	0.708	0.696	0.658	..
Japan	0.986	0.969	0.721	0.721	0.794	0.831	0.868	0.863	0.773	..
Korea	0.972	0.979	0.978	0.998	0.713	0.632	0.731	0.795	0.692	0.717	0.626	..
Latvia	0.851	0.798	0.772	0.784	0.607	0.563	0.602	0.637	0.624	0.645	0.527	0.599
Lithuania	0.923	0.875	0.879	0.878	0.589	0.529	0.618	0.672	0.594	0.608	0.503	0.612
Luxembourg	0.838	0.839	0.794	0.735	0.497	0.463	0.548	0.622	0.541	0.541	0.440	..
Mexico
Netherlands	0.974	0.988	0.972	0.998	0.687	0.631	0.713	0.809	0.708	0.724	0.610	..
New Zealand
Norway
Poland	0.878	0.852	0.788	0.812	0.521	0.458	0.549	0.618	0.554	0.568	0.439	..
Portugal	1.070	1.015	0.995	0.964	0.671	0.603	0.678	0.771	0.695	0.750	0.701	..
Slovak Republic	0.931	0.833	0.777	0.738	0.444	0.420	0.494	0.566	0.500	0.491	0.392	..
Slovenia	1.054	1.031	1.030	1.008	0.681	0.627	0.724	0.778	0.687	0.688	0.648	..
Spain	0.968	0.960	1.016	0.987	0.695	0.658	0.710	0.802	0.792	0.792	0.735	0.776
Sweden
Switzerland
Turkey	1.719	1.769	1.717	1.561	1.144	1.060	1.051	0.911	0.884	0.891	0.715	..
United Kingdom
United States
OECD Europe
OECD Total

* Prices for 3Q2020 are preliminary.

Table 14
Natural gas prices for industry in USD/MWh (GCV basis)

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia
Austria	..	47.9	48.8	45.9	41.9	38.4	33.9	37.6	31.5	29.9	29.9	31.6
Belgium	48.6	46.9	50.3	39.4	32.5	27.1	27.5	31.6	26.0
Canada	15.4	11.9	13.7	16.0	10.2	11.5	12.6	11.2	10.0	10.4	8.6	..
Chile	c	c	c	c	c	c	c	c	c	c	c	c
Czech Republic	50.8	48.8	47.3	42.8	33.7	30.3	29.6	32.3	32.7	30.2	28.6	..
Denmark	55.4	51.0	55.8	46.8	37.0	30.1	34.9	41.8	33.0
Estonia	39.6	45.6	47.2	47.4	33.6	26.0	30.7	36.9	35.4
Finland	52.9	53.9	55.6	53.5	41.3	39.5	46.1	53.7	50.1
France	51.7	52.4	55.1	52.4	42.1	36.4	38.5	43.5	40.7
Germany	50.3	44.6	49.9	44.6	34.1	29.3	27.8	30.8	29.5
Greece	56.0	66.8	61.0	56.5	36.9	28.6	26.4	36.1	37.4
Hungary	43.6	47.8	45.6	51.2	34.2	28.3	26.1	31.5	29.3	23.9	19.4	..
Iceland
Ireland	43.9	45.6	51.7	48.6	35.9	34.2	36.2	41.7	40.4	44.2	44.0	..
Israel	c	c	c	c	c	c	c	c	c	c	c	c
Italy	49.2	54.7	56.4	50.9	41.8	36.6	34.5	39.4	38.0
Japan	67.0	73.3	68.6	66.9	44.3	35.3	39.2	46.0	46.7
Korea	59.0	61.5	66.2	72.3	49.7	40.9	43.7	43.2	43.1	44.7	42.1	..
Latvia	42.6	48.1	48.7	45.6	35.2	28.1	30.3	36.3	37.7
Lithuania	55.9	58.0	56.9	55.6	33.0	30.4	35.2	44.1	37.0
Luxembourg	50.1	49.6	53.5	44.8	42.4	30.9	28.9	33.1	26.7
Mexico
Netherlands	38.5	38.6	41.7	41.0	31.7	27.3	27.2	30.3	26.3
New Zealand	21.6	22.8	23.7	22.2	17.7	15.3	17.9	18.4	16.1	15.9	14.4	..
Norway	x	x	x	x	x	x	x	x	x	x	x	x
Poland	42.5	44.0	42.3	43.8	31.8	23.6	25.3	30.1	25.5	21.9	17.0	..
Portugal	50.0	52.7	55.7	57.8	44.1	34.1	31.0	33.5	35.7
Slovak Republic	50.2	52.5	49.3	44.2	36.3	33.8	32.5	34.4	30.5	29.3	27.7	27.6
Slovenia	58.3	64.4	57.9	51.7	38.0	32.1	31.2	35.2	34.6	31.4	29.1	..
Spain	37.7	44.0	45.8	44.4	33.2	26.4	26.8	30.2	30.7	30.3	26.2	..
Sweden	67.7	63.3	63.8	54.9	44.4	38.5	40.8	50.1	36.1
Switzerland	72.5	71.7	72.2	73.5	65.8	61.9	60.6	65.7	66.7	64.4	64.0	..
Turkey	33.8	41.1	43.6	38.7	32.6	28.6	22.0	23.7	28.7	28.5	25.3	..
United Kingdom	35.5	38.5	41.9	40.1	33.3	24.9	25.2	30.4	27.6	27.8	22.5	..
United States	16.9	12.8	15.3	18.3	12.9	11.6	13.5	13.9	12.9	11.6	9.3	..
OECD Europe	45.6	46.5	49.0	45.5	35.8	30.4	29.4	33.3	31.6
OECD Total	31.2	29.5	31.9	31.8	23.3	20.0	21.0	22.5	21.3

* Prices for 3Q2020 are preliminary.

Table 15
Natural gas prices for electricity generation in USD/MWh (GCV basis)

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia	c	c	c	c	c	c	c	c	c	c	c	c
Austria	29.8	37.0	27.9	24.1	24.0	25.4
Belgium	c	c	c	c	c	c	c	c	c	c	c	c
Canada	15.9	13.1	16.0
Chile	c	c	c	c	c	c	c	c	c	c	c	c
Czech Republic
Denmark	c	c	c	c	c	c	c	c	c	c	c	c
Estonia
Finland	41.6	43.4	41.9	39.8	25.9	22.2	27.2	32.5	29.2
France
Germany
Greece	c	c	c	c	c	c	c	c	c	c	c	c
Hungary	41.9	44.0	42.2	43.1	31.9	23.3	24.9	29.0	27.0	20.5	14.0	..
Iceland
Ireland	c	c	c	c	c	c	c	c	c	c	c	c
Israel	41.9	42.5
Italy	c	c	c	c	c	c	c	c	c	c	c	c
Japan
Korea	53.2	56.4	60.3	66.1	44.3	33.6	38.6	46.0	40.7	35.6	34.9	..
Latvia	c	c	c	c	c	c
Lithuania
Luxembourg	c	c	c	c	c	c	c	c	c	c	c	c
Mexico	18.8	14.1	19.4	21.3	13.4	12.9	17.3	15.5
Netherlands
New Zealand	c	c	c	c	c	c	c	c	c	c	c	c
Norway
Poland	27.5	28.4	27.0	26.1	22.3	17.4	19.1	22.4	19.8	18.6	13.7	..
Portugal	41.3	46.1	47.6	46.5	30.8	22.5	26.0	30.7	26.3	23.7	17.8	..
Slovak Republic	44.4	53.3	49.7	51.1	46.3	32.1	33.6	39.4	33.9	23.0	22.0	23.3
Slovenia	c	c	c	c	c	c	c	c	c	c	c	c
Spain
Sweden
Switzerland
Turkey	33.3	41.0	43.2	38.4	32.8	28.8	22.2	26.9	30.9	29.4	26.2	..
United Kingdom	30.7	33.8	35.9	31.1	24.2	17.2	19.6	25.7	18.1	17.8
United States	16.1	11.7	14.8	17.0	11.0	9.8	11.5	12.1	9.8	8.2	7.0	..
OECD Europe
OECD Total

* Prices for 3Q2020 are preliminary.

Table 16
Natural gas prices for households in USD/MWh (GCV basis)

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia
Austria	92.3	94.3	99.1	96.9	78.6	74.6	78.5	82.6	76.9	76.4	76.4	80.8
Belgium	95.6	92.3	89.0	87.9	69.4	60.7	61.4	69.2	63.9
Canada	37.1	34.4	33.8	35.1	26.8	25.8	26.7	25.9	26.0	17.9	22.7	..
Chile	137.9	125.0	111.9	102.7	87.1	89.7	101.9	117.5	112.1	99.8	98.3	..
Czech Republic	82.9	87.6	83.9	77.0	67.0	64.2	65.4	69.9	69.0	68.5	64.7	..
Denmark	143.1	124.4	130.8	118.5	86.9	80.6	94.7	105.8	90.7
Estonia	60.2	65.8	66.3	64.2	46.0	35.9	46.3	48.7	50.6
Finland
France	87.0	87.6	95.7	100.7	83.1	77.0	79.7	89.9	91.8
Germany	92.6	90.3	94.6	94.7	78.4	75.9	74.8	77.1	76.0	75.9	75.9	78.6
Greece	108.0	138.0	151.5	139.8	112.7	68.8	70.8	70.7	65.3
Hungary	63.6	60.4	57.5	49.0	39.9	39.1	40.8	41.6	38.7	35.8	34.5	..
Iceland
Ireland	80.6	86.7	97.0	100.8	80.5	79.8	78.3	88.0	85.0	78.3	80.9	..
Israel	x	x	x	x	x	x	x	x	x	x	x	x
Italy	106.8	107.0	116.6	114.1	91.7	86.6	86.5	93.3	93.6
Japan	165.6	169.6	146.1	143.1	113.7	108.6	107.4	117.4	117.0
Korea	69.5	72.6	78.9	86.0	63.6	55.0	58.2	57.9	56.7	55.8	48.3	..
Latvia	62.9	71.5	73.2	70.5	59.6	50.4	47.5	53.0	54.2
Lithuania	67.8	72.0	80.8	70.2	47.6	44.2	42.8	47.4	47.9
Luxembourg	74.0	74.6	78.9	69.2	53.8	47.9	45.7	50.7	47.9
Mexico	36.6	30.3	34.5	35.4	27.2	24.8
Netherlands	96.8	98.7	103.7	102.6	82.1	83.2	85.1	95.0	103.8	109.1	106.9	..
New Zealand	103.7	107.7	111.7	109.9	92.6	96.4	91.1	99.4	95.2	124.2	85.5	..
Norway	x	x	x	x	x	x	x	x	x	x	x	x
Poland	72.7	70.6	68.0	72.6	59.6	50.3	50.7	53.5	51.8	46.7	50.4	..
Portugal	93.8	102.3	117.5	137.9	108.6	95.5	88.6	91.0	86.0
Slovak Republic	68.9	68.4	70.6	70.7	58.0	52.2	50.8	56.0	54.5	49.5	59.7	71.9
Slovenia	98.8	98.5	91.4	88.6	69.6	64.2	60.7	65.3	63.5	64.4	64.5	..
Spain	89.2	101.9	111.7	118.9	98.3	88.6	93.7	96.6	100.7	77.3	84.6	..
Sweden	163.5	156.9	162.8	154.0	127.8	125.7	131.8	140.2	131.6
Switzerland	107.4	106.8	108.4	112.6	100.5	97.7	94.9	100.7	103.0	101.2	100.4	..
Turkey	42.3	50.2	52.7	47.5	40.8	37.2	30.0	25.6	26.5	29.0	26.5	..
United Kingdom	67.3	72.2	75.6	84.3	73.7	59.5	55.5	59.5	58.7	56.1	52.6	..
United States	36.4	35.3	34.0	36.1	34.2	33.2	35.9	34.6	34.9	31.4	38.8	..
OECD Europe	84.3	85.9	90.5	91.5	75.8	69.3	67.6	71.9	71.9
OECD Total	63.2	65.7	64.5	63.3	55.4	52.8	53.3	53.5	53.6	43.1	46.6	..

* Prices for 3Q2020 are preliminary.

Table 17
Steam coal prices for industry in USD/tonne

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia
Austria	242.8	247.8	223.7	205.8	166.0	206.9	172.6	267.9	209.3	192.9	193.0	199.5
Belgium	..	189.3	141.4	121.4	93.0	88.1	140.5	142.2	126.4
Canada
Chile
Czech Rep.**	c	c	c	c	c	c	c	c	c	c	c	c
Denmark
Estonia
Finland	315.1	280.8	271.1	270.5	245.9	269.8	316.4	346.6	311.3	296.9	289.3	..
France	191.4	194.9	165.0	157.2	132.3	126.8	133.4	163.5
Germany
Greece	x	x	x	x	x	x	x	x
Hungary	x	x	x	x	x	x	x	x	x	x	x	x
Iceland
Ireland
Israel	x	x	x	x	x	x	x	x	x	x	x	x
Italy	140.2
Japan	146.6	143.4	120.2	107.2	89.4	85.1	111.6	129.8	121.4	103.7	95.2	..
Korea
Latvia
Lithuania
Luxembourg	x	x	x	x	x	x	x	x	x	x	x	x
Mexico	x	x	x	x	x	x	x	x	x	x	x	x
Netherlands
New Zealand	c	c	c	c	c	c	c	c	c	c	c	c
Norway
Poland	109.5	109.4	100.4	92.6	70.1	60.0	75.8	92.3	83.5	86.0	79.6	..
Portugal	215.6	248.2	202.2	180.8	109.2	219.1	c	c	c	c	c	c
Slovak Republic
Slovenia	c	c	c	c	c	c	c	c	c	c	c	c
Spain
Sweden	c	c	c	c	c	c	c	c	c	c
Switzerland	200.6	152.5	123.5	112.3	98.7	90.9	96.5	117.1	96.6	78.4	79.7	..
Turkey**	86.4	98.0	104.9	90.7	80.7	78.0	70.2	77.3	75.0	81.8	65.6	..
United Kingdom	149.5	148.6	158.4	166.1	133.3	100.5	106.8	130.3	121.4	119.5
United States	71.8	81.4	79.4	80.1	75.2	71.6	70.2	69.8	68.4	65.3	65.7	..
OECD Europe
OECD Total

* Prices for 3Q2020 are preliminary.

** Brown coal price for the Czech Republic and Turkey.

Table 18
Steam coal prices for electricity generation in USD/tonne

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia
Austria	127.9	129.1	137.8	112.6	98.5	97.1	97.4	124.9	91.7	82.3	82.5	84.4
Belgium	x	x	x	x	x	x	x
Canada	28.9	32.8	32.9
Chile	106.9	96.3	89.8	83.1	72.0	65.6	88.5	98.1	75.9	63.6	60.9	..
Czech Rep.**	c	c	c	c	c	c	c	c	c	c	c	c
Denmark
Estonia
Finland	137.0	116.1	94.9	94.4	74.6	72.3	101.1	106.0	85.5	74.7	67.2	..
France	128.3	110.6	100.0	95.9	76.4	75.9	91.7	92.8
Germany	153.2	126.4	108.9	100.6	82.8	79.5	120.2	132.0	112.3	85.9	90.9	82.3
Greece**	x	x	x	x	x	x	x	x
Hungary**	c	c	c	c	c	c	c	c	c	c	c	c
Iceland
Ireland	c	c	c	c	c	c	c	c	c	c	c	c
Israel	140.9	133.3
Italy
Japan
Korea
Latvia
Lithuania
Luxembourg	x	x	x	x	x	x	x	x	x	x	x	x
Mexico***	56.1	56.9	60.9	63.1	56.7	51.0	55.6	54.7
Netherlands
New Zealand	c	c	c	c	c	c	c	c	c	c	c	c
Norway
Poland	84.9	83.1	77.7	75.2	59.4	51.3	53.4	66.7	69.2	68.1	62.0	..
Portugal	113.3	90.2	78.1	72.1	56.1	54.9	85.2	93.6	61.8	c	c	c
Slovak Republic**
Slovenia	c	c	c	c	c	c	c	c	c	c	c	c
Spain
Sweden	c	c	c	c	c	c	c	c	c	c
Switzerland	x	x	x	x	x	x	x	x	x	x	x	x
Turkey**	37.4	38.8	45.6	43.5	31.9	28.5	26.2	21.8	23.7	26.5	20.6	..
United Kingdom	128.5	105.1	96.2	93.4	74.4	73.3	95.2	102.5	77.6	69.5
United States	54.7	54.5	53.6	54.1	50.9	48.3	47.1	47.1	46.3	44.2	44.5	..
OECD Europe
OECD Total

* Prices for 3Q2020 are preliminary.

** Brown coal price for the Czech Republic, Greece, Hungary, Slovak Republic (from 2002 onwards) and Turkey.

*** Sub-bituminous coal for Mexico.

Table 19
Coking coal prices for industry in USD/tonne

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia
Austria	c	c	c	c	c	c	c	c	c	c	c	c
Belgium	..	263.0	190.6	156.6	118.4	116.9	245.9	232.6	214.6
Canada
Chile	248.1	222.9	121.5	149.3	105.9	95.8	202.2	213.5	227.5	144.0	162.7	..
Czech Republic	c	c	c	c	c	c	c	c	c	c	c	c
Denmark	x	x	x	x	x	x	x	x	x	x	x	x
Estonia
Finland	479.5	398.5	352.4	338.3	299.0	322.5	424.9	446.8	441.0	391.8	382.3	..
France	289.5	236.3	172.9	144.7	111.9	115.4	231.6	217.7	209.9
Germany	c	c	c	c	c	c	c	c	c	c	c	c
Greece	x	x	x	x	x	x	x	x
Hungary	c	c	c	c	c	c	c	c	c	c	c	c
Iceland
Ireland	x	x	x	x	x	x	x	x	x	x	x	x
Israel	x	x	x	x	x	x	x	x	x	x	x	x
Italy	241.9
Japan	237.6	200.2	148.8	123.8	104.1	101.5	162.4	170.8	161.6	128.9	129.9	..
Korea
Latvia
Lithuania
Luxembourg	x	x	x	x	x	x	x	x	x	x	x	x
Mexico	x	x	x	x	x	x	x	x	x	x	x	x
Netherlands
New Zealand	c	c	c	c	c	c	c	c	c	c	c	c
Norway	x	x	x	x	x	x	x	x	x	x	x	x
Poland	255.5	185.7	150.4	134.1	106.4	103.4	178.9	190.7	173.5	135.6	121.5	..
Portugal	507.1	389.9	493.6	506.1	411.1	366.1	c	c	c	c	c	c
Slovak Republic
Slovenia	x	x	x	x	x	x	x	x	x	x	x	x
Spain	c	c	c	c	c	c	c	c	c	c	c	c
Sweden	c	c	c	c	c	c	c	c	c	c
Switzerland	x	x	x	x	x	x	x	x	x	x	x	x
Turkey	221.2	234.4	235.9	203.1	167.6	161.6	160.7	149.3	150.1	153.8	136.8	..
United Kingdom
United States	200.5	202.6	197.7	199.4	187.3	178.3	175.0	173.9	170.2	162.7	163.7	..
OECD Europe
OECD Total

* Prices for 3Q2020 are preliminary.

Table 20
Electricity prices for industry in USD/MWh

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia
Austria	..	138.1	141.2	135.1	108.6	105.6	102.2	110.2	109.6	107.1	107.0	113.2
Belgium	160.0	149.2	151.4	151.3	125.0	130.7	136.2	136.5	134.9
Canada	81.0	85.2	96.5	80.5	64.0	78.8	83.8	84.0	90.5
Chile	154.3	126.7	118.0	103.8	114.6	124.6	149.8	158.6	159.5	162.0	158.4	..
Czech Rep.	159.8	144.9	148.8	122.8	97.7	89.4	88.5	96.4	104.0	111.0	105.1	..
Denmark	127.6	120.3	128.4	121.0	95.9	98.2	91.8	93.0	80.1
Estonia	101.0	101.0	124.9	117.9	98.0	94.6	94.0	102.7	99.8
Finland	101.5	92.6	94.9	92.8	74.7	72.9	72.8	78.5	75.5	72.0	71.9	..
France	122.4	116.8	128.7	132.0	114.2	105.8	109.9	116.3	117.8
Germany	157.1	148.7	169.3	175.3	145.1	140.8	143.0	145.4	146.0
Greece	125.5	133.7	141.9	142.8	105.3	99.0	107.1	104.4	96.9
Hungary	137.1	131.6	132.7	123.3	99.7	89.8	88.7	94.3	87.7	106.7	100.3	..
Iceland
Ireland	152.3	155.2	173.3	166.4	132.4	118.3	123.9	128.5	128.8	127.1	117.9	..
Israel	97.0	107.9	121.4	118.1	91.0	85.5	93.9
Italy	219.1	225.5	238.1	235.7	188.3	184.7	177.1	174.4	185.1
Japan	179.3	194.3	174.2	175.4	150.0	151.0	150.4	160.7	164.3	180.6
Korea	76.1	85.5	95.4	105.2	98.5	95.7	98.5	100.3	94.8	94.4	86.6	..
Latvia	145.6	137.2	152.7	140.8	108.2	109.8	123.7	128.5	124.3
Lithuania	158.9	154.4	171.7	164.2	121.5	113.3	105.5	115.9	116.9
Luxembourg	117.9	111.7	106.7	98.9	71.9	68.8	76.9	83.5	81.7
Mexico	115.3	114.7	121.5	121.5	81.7	70.5	88.9	89.5
Netherlands	118.4	109.5	112.8	118.1	89.5	85.2	86.3	93.0	96.6
New Zealand	81.4	85.8	94.1	99.9	80.2	74.6	86.8	98.7
Norway	71.1	57.6	68.7	54.6	35.3	42.4	45.5	68.1	60.0	30.0	13.0	..
Poland	121.6	114.6	109.5	99.9	89.7	82.8	87.6	95.6	98.9	106.6	102.6	..
Portugal	139.2	147.3	152.1	155.8	127.2	124.8	129.2	135.3	128.2
Slovak Republic	180.2	171.5	180.8	158.7	130.6	125.0	128.8	141.2	146.8	142.2	143.9	151.6
Slovenia	126.3	117.8	125.7	115.1	88.1	83.9	82.2	93.3	93.4	95.8	94.5	..
Spain	141.6	144.4	142.8	155.1	126.0	115.7	115.5	127.5	122.7
Sweden	104.1	89.2	90.4	81.7	58.8	60.2	62.5	69.8	70.5
Switzerland	131.9	130.2	132.5	128.7	122.4	133.5	123.8	122.0	119.7	122.6	122.8	..
Turkey	138.4	148.2	146.6	130.8	112.0	104.8	86.1	83.9	105.8	116.2	103.4	..
United Kingdom	129.6	134.2	139.0	154.4	145.1	125.2	126.1	139.1	147.1	152.4
United States	68.2	66.7	68.4	71.0	69.1	67.6	68.8	69.2	68.3	63.8	65.6	..
OECD Europe	143.3	139.7	147.6	147.2	121.9	116.3	115.1	120.2	123.5
OECD Total	115.3	116.1	118.9	119.6	102.9	100.7	102.7	106.5	108.9

* Prices for 3Q2020 are preliminary.

Table 21
Electricity prices for households in USD/MWh

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia	..	294.9	287.7	283.3	212.3	202.0	237.1	248.5	232.1
Austria	272.7	253.9	271.9	266.9	221.5	222.9	221.9	230.2	221.4	221.1	221.0	233.8
Belgium	283.2	272.0	280.3	261.9	239.4	292.2	319.8	328.7	316.2
Canada	104.9	104.5	103.8	98.7	92.7	106.3	109.0	113.0	112.5
Chile	210.8	185.4	172.3	151.4	157.8	169.3	199.3	197.0	196.2	177.6	169.3	..
Czech Rep.	220.8	208.5	215.6	180.6	151.9	156.0	163.3	183.2	192.3	202.8	193.6	..
Denmark	405.8	380.4	371.2	378.8	314.8	330.0	325.4	357.9	321.3
Estonia	136.5	138.9	174.8	168.9	139.4	130.5	136.3	158.6	151.2
Finland	213.5	194.9	202.3	201.4	168.9	169.4	182.6	199.2	205.6	203.7	199.8	..
France	186.6	177.7	194.7	203.6	180.2	182.2	187.3	202.3	199.1
Germany	351.7	338.7	387.6	395.1	327.1	328.8	343.6	353.3	333.9
Greece	173.0	180.5	216.4	235.6	196.2	190.2	200.4	195.8	185.3
Hungary	218.5	204.2	182.0	158.2	128.1	125.7	128.9	131.4	122.2	114.4	111.6	..
Iceland	103.8	102.3	109.3	117.6	106.3
Ireland	259.3	270.3	292.7	305.3	252.4	242.9	240.1	256.8	258.5	249.5	254.7	..
Israel	148.8	151.6	171.5	176.2	146.4	138.9	153.5
Italy	282.3	290.4	311.9	324.1	274.2	269.2	263.2	279.7	289.3
Japan	274.4	290.6	254.3	253.3	225.1	223.3	226.6	238.9	253.5	273.3
Korea	123.2	124.9	131.9	135.1	124.3	119.1	109.1	110.4	102.4	105.5	99.1	..
Latvia	176.1	171.2	176.0	177.2	180.3	182.1	181.9	188.3	191.0
Lithuania	175.8	165.9	186.2	178.6	140.9	134.9	127.0	131.4	142.9
Luxembourg	221.0	209.3	208.3	219.8	188.6	181.0	173.4	191.4	193.1
Mexico	95.2	90.2	90.9	90.1	75.3	63.7	63.8	62.9
Netherlands	237.7	238.2	257.2	252.4	206.9	175.6	177.6	210.9	249.8	162.6	157.1	..
New Zealand	203.1	216.1	226.1	235.2	197.0	198.8	205.3	201.0	191.7
Norway	170.5	136.0	148.5	127.1	94.5	104.5	112.8	136.1	125.7	89.3	71.6	..
Poland	198.2	190.9	196.3	192.2	163.8	155.3	164.0	172.1	155.8	158.6	164.8	..
Portugal	245.8	260.7	279.6	292.3	253.1	257.0	254.4	267.8	242.4
Slovak Republic	241.6	229.6	238.1	214.0	171.2	169.8	166.4	180.1	182.2	186.3	193.3	204.0
Slovenia	201.7	193.4	212.8	212.7	176.3	177.1	178.2	187.1	179.2	158.2	147.6	..
Spain	283.5	287.8	293.2	326.5	280.6	268.3	290.8	311.5	287.7
Sweden	247.9	224.0	233.7	214.5	170.6	174.2	178.3	196.0	195.1
Switzerland	222.7	204.2	203.7	209.3	205.9	203.3	204.1	212.0	212.0	217.7	218.5	..
Turkey	169.1	184.8	190.0	169.6	145.3	136.4	112.9	103.9	105.8	116.3	103.4	..
United Kingdom	209.3	217.8	230.1	253.4	230.0	203.3	205.2	229.0	233.8	236.3	229.8	..
United States	117.2	118.8	121.2	125.2	126.5	125.5	128.9	128.7	130.4	129.0	132.0	..
OECD Europe	244.3	237.7	254.7	260.5	221.6	216.8	221.8	236.4	231.3
OECD Total	171.0	175.4	177.5	178.6	163.1	161.4	166.2	170.5	172.8

* Prices for 3Q2020 are preliminary.

E. ENERGY END-USE PRICES

in USD/toe

(converted using exchange rates)

Table 1
High sulphur fuel oil prices for industry in USD/toe (NCV basis)

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia
Austria	x	x	x	x	x	x	x	x	x	x	x	x
Belgium	x	x	x	x	x	x	x	x	x	x	x	x
Canada	772.7	812.3	748.6	653.0	326.7	267.2	375.0	469.9	466.4
Chile
Czech Republic	c	c	c	c	c	c	c	c	c	c	c	c
Denmark
Estonia
Finland
France
Germany
Greece
Hungary
Iceland
Ireland	1 169.2	1 197.2	1 165.7	1 109.2	721.8	658.2	828.5	746.6	655.5	602.7	441.0	..
Israel	c	c	c	c	c	c	c	c	c	c	c	c
Italy
Japan
Korea	898.4	1 004.6	889.0	829.2	474.2	373.4	503.0	641.1	591.6	558.3	393.9	..
Latvia
Lithuania	673.8	673.0	635.6	644.1	355.6	354.9	330.8	403.0	435.4	441.7	437.9	411.1
Luxembourg	x	x	x	x	x	x	x	x	x	x	x	x
Mexico	532.6	592.6	540.9	494.4	255.1	148.6	253.3	280.7
Netherlands	x	x	x	x	x	x	x	x	x	x	x	x
New Zealand	658.6	688.7	667.6	630.3	378.5	298.8	408.0	478.2	446.4	394.9	236.4	..
Norway	x	x	x	x	x	x	x	x	x	x	x	x
Poland	669.0	727.1	689.2	645.7	331.2	237.3	344.4	444.6	370.5	390.4	276.5	..
Portugal	x	x	x	x	x	x	x	x	x	x	x	x
Slovak Republic	x	x	x	x	x	x	x	x	x	x	x	x
Slovenia	x	x	x	x	x	x	x	x	x	x	x	x
Spain
Sweden	x	x	x	x	x	x	x	x	x	x	x	x
Switzerland	x	x	x	x	x	x	x	x	x	x	x	x
Turkey	1167.3	1256.5	1168.2	1035.8	628.6	540.0	634.9	706.6	588.7	459.4	327.6	..
United Kingdom	x	x	x	x	x	x	x	x	x	x	x	x
United States	670.7	727.4	695.0	647.4	353.6	264.1	359.7	465.8	442.8	492.9	284.6	..
OECD Europe
OECD Total

* Prices for 3Q2020 are preliminary.

Table 2
Low sulphur fuel oil prices for industry in USD/toe (NCV basis)

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia
Austria	828.4	858.8	801.3	747.0	407.4	353.0	456.5	558.3	528.4	537.1	350.4	413.1
Belgium	737.8	769.9	711.5	655.5	329.7	281.2	383.1	480.4	461.3	418.2	246.4	..
Canada
Chile
Czech Republic	554.8	568.6	560.6	508.5	312.0	257.2	297.1	452.5	460.6	517.3	323.3	..
Denmark	841.3	966.3	955.7	907.8	550.2	401.3	536.2	749.0	716.2	746.9	570.9	..
Estonia
Finland
France	745.0	792.8	751.5	705.2	427.7	387.7	522.4	680.4	653.2	613.1	443.8	..
Germany	727.4	744.1	685.7	611.4	315.1	261.1
Greece	832.6	876.4	818.2	765.1	430.1	376.8	480.7	587.0	574.6	552.5	347.4	..
Hungary	776.8	821.2	731.5	790.8	524.3	446.9	508.1	725.6	611.3	590.0	425.1	..
Iceland
Ireland
Israel	c	c	c	c	c	c	c	c	c	c	c	c
Italy	810.7	862.0	793.7	743.0	446.2	362.8	448.5	545.9	563.4	552.2	371.0	..
Japan	977.5	1 013.3	902.8	864.8	536.0	461.0	553.7	698.8	685.6	660.7	482.7	538.6
Korea	988.3	1 094.4	974.5	945.8	572.9	466.3	593.8	708.3	687.0	691.1	397.8	..
Latvia
Lithuania
Luxembourg
Mexico
Netherlands	704.2	735.9	676.6	675.8	567.5	569.7	688.7	875.1	808.5	671.0	421.6	532.1
New Zealand
Norway
Poland	764.1	818.2	792.2	770.5	464.3	354.2	444.4	511.9	475.5	456.4	261.4	..
Portugal	1 009.2	1 017.1	989.7	939.5	599.8	555.4	705.5	806.0	758.2	773.5	574.4	..
Slovak Republic	635.1	734.9	694.0	645.3	397.6	275.8	388.5	481.9	458.5	435.2	251.2	..
Slovenia	862.0	922.1	902.3	911.8	569.3	501.6	603.9	726.9	766.1	x	x	x
Spain	775.9	822.1	789.9	746.7	407.4	327.9	435.6	536.7	517.8	539.2	324.0	365.5
Sweden	1 496.2	1 494.7	1 485.4	1 371.0	942.4	866.4	958.7	1 057.8	997.9	964.5	769.1	906.4
Switzerland	870.9	875.6	830.4
Turkey
United Kingdom	c	c	c	c	c	c	c	c	c	c	c	c
United States
OECD Europe	807.0	835.2	784.2	709.8	395.6	353.6
OECD Total

* Prices for 3Q2020 are preliminary.

Table 3
Heavy fuel oil prices for electricity generation in USD/toe (NCV basis)

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia
Austria	474.7	670.5	357.9	480.9	382.6	192.6	150.0	312.0	286.6	246.5	199.3	219.3
Belgium	x	x	x	x	x	x	x	x	x	x	x	x
Canada	562.1	693.3	691.8
Chile
Czech Republic	c	c	c	c	c	c	c	c	c	c	c	c
Denmark
Estonia
Finland
France
Germany	..	c	c	c	c	c	c	c	c	c	c	c
Greece
Hungary	x	x	x	x	x	x	x	x	x	x	x	x
Iceland
Ireland
Israel	801.3	839.4	x	x	x	x	x	x	x	x	x	x
Italy	c	c	c	c	c	c	c	c	c	c	c	c
Japan
Korea
Latvia
Lithuania
Luxembourg
Mexico	530.3	594.5	542.7	494.7	256.8	135.2	262.4	305.2
Netherlands
New Zealand	c	c	c	c	c	c	c	c	c	c	c	c
Norway	x	x	x	x	x	x	x	x	x	x	x	x
Poland	686.0	728.6	677.7	626.7	343.2	276.7	381.6	471.1	387.3	400.7	295.7	..
Portugal	x	x	x	x	x	x	x	x	x	x	x	x
Slovak Republic	x	x	x	x	x	x	x	x	x	x	x	x
Slovenia
Spain
Sweden
Switzerland
Turkey	1 167.3	1 256.5	1 168.2	1 035.8	628.6	540.0	634.9	706.6	588.7	459.4	327.6	..
United Kingdom	816.9	868.3	799.4	739.9	474.2	355.4	388.6	503.1	493.0	521.9
United States	767.3	882.6	809.9	804.3	434.4	354.7	461.7	541.5	533.4	509.3	289.1	..
OECD Europe
OECD Total

* Prices for 3Q2020 are preliminary.

Table 4
Light fuel oil prices for industry in USD/toe (NCV basis)

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia
Austria	1 028.6	1 005.4	940.8	945.0	748.3	658.8	671.1	776.1	719.4	603.7	372.3	479.9
Belgium	1 083.8	1 102.1	1 074.9	994.5	612.3	512.4	612.9	768.1	721.7	610.4	412.3	..
Canada	1 069.2	1 082.2	1 060.6	997.4	637.7	524.1	611.3	773.0	722.4	617.6	388.9	..
Chile
Czech Republic	1 069.9	1 076.3	1 046.6	957.0	613.9	496.4	598.1	747.5	702.0	621.6	434.4	..
Denmark	1 424.2	1 339.1	1 369.2	1 293.0	910.9	762.3	848.7	1 077.6	1 034.8	973.4	738.0	..
Estonia	1 269.0	1 283.7	1 283.1	1 214.8	835.6	673.6	777.5	962.9	958.5	926.4	739.0	759.4
Finland	1 390.1	1 361.9	1 360.0	1 254.5	866.2	781.8	919.3	1 090.1	1 021.0	909.4	694.5	..
France	1 148.5	1 180.4	1 153.8	1 042.5	699.3	620.9	742.4	973.9	951.2	868.6	709.9	..
Germany	1 042.2	1 056.5	1 016.6	925.2	577.4	478.5	572.3	735.1	677.2	569.0	393.6	451.6
Greece	1 438.3	1 650.5	1 593.9	1 492.2	940.2	825.7	991.2	1 100.4	1 036.2	1 037.6	791.4	..
Hungary
Iceland
Ireland	1 338.4	1 354.1	1 350.1	1 220.1	678.0	657.2	734.7	886.0	826.6	780.0	559.2	..
Israel	c	c	c	c	c	c	c	c	c	c	c	c
Italy	1 847.5	1 823.6	1 834.0	1 769.7	1 252.7	1 171.0	1 273.6	1 450.3	1 414.7	1 355.4	1 164.6	..
Japan	1 079.4	1 154.2	1 075.1	1 031.0	646.8	565.1	672.3	840.9	826.0	797.0	591.1	..
Korea	x	x	x	x	x	x	x	x	x	x	x	x
Latvia	1 225.5	1 224.5	1 179.4	1 118.0	733.4	620.1	738.2	872.5	853.5	808.1	504.0	635.6
Lithuania	1 077.7	1 083.0	1 042.0	964.3	610.7	492.5	616.6	745.5	697.7	617.1	381.3	462.8
Luxembourg	1 083.0	1 102.1	1 078.0	1 003.8	629.6	534.7	632.5	789.0	731.4	630.9	426.5	..
Mexico	693.8	716.5	748.1	722.7	304.0	203.5	382.6	501.8
Netherlands	1 143.9	1 114.5	1 281.3	1 335.2	1 107.2	977.2	1 107.7	1 257.1	1 200.1	1 151.4	963.5	1 100.5
New Zealand	902.8	918.7	890.4	831.5	517.3	423.8	567.5	699.7	609.3	503.4	381.2	..
Norway	1 510.4	1 581.5	1 525.5	1 586.8	1 107.2	1 013.8	1 100.4	1 250.1	1 232.0	x	x	x
Poland	1 192.9	1 208.6	1 178.7	1 124.4	759.7	651.8	753.0	913.0	847.0	780.7	606.8	..
Portugal
Slovak Republic	1 151.6	1 166.5	1 194.9	1 141.0	726.1	544.8	x	x	x	x	x	x
Slovenia	1 230.7	1 270.8	1 286.3	1 279.7	896.9	769.7	868.7	1 059.0	1 019.9	979.4	738.3	..
Spain	1 146.2	1 159.7	1 130.2	1 062.0	688.0	583.8	689.1	836.1	805.7	725.1	507.7	597.9
Sweden	1 168.3	1 189.9	1 173.5	1 078.5	830.0	814.8	924.1	1 159.9	1 102.3	1 015.9	785.8	..
Switzerland	1 098.3	1 108.9	1 080.3	1 103.0	768.2	703.2	791.4	998.0	927.1	868.8	644.1	..
Turkey
United Kingdom	1 165.7	1 197.4	1 157.1	1 106.2	772.1	632.3	712.3	855.6	782.1	735.2
United States	860.0	896.6	877.6	811.0	463.0	366.6	473.2	592.2	560.6	474.1	264.5	..
OECD Europe	1 239.3	1 236.7	1 208.2	1 154.8	788.3	682.5	786.0	939.6	892.2	801.2	621.3	..
OECD Total	1 008.4	1 011.4	1 007.4	913.8	583.3	478.9	590.3	730.8	702.4	617.7	407.9	..

* Prices for 3Q2020 are preliminary.

Table 5
Light fuel oil prices for households in USD/toe (NCV basis)

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia
Austria	1 474.2	1 478.2	1 445.8	1 361.0	910.6	778.3	889.5	1 093.5	1 019.5	903.7	754.2	792.6
Belgium	1 311.5	1 333.6	1 300.7	1 203.3	740.9	620.0	741.6	929.4	873.2	738.6	498.8	..
Canada	1 327.6	1 371.5	1 359.4	1 320.4	956.4	842.6	876.0	1 033.8	979.5	838.1	718.9	..
Chile	1 410.4	1 459.5	1 470.3	1 438.9	1 108.9	962.2	996.1	1 189.7	1 103.7	1 010.6	807.8	..
Czech Republic	1 415.8	1 410.9	1 391.6	1 276.0	842.3	700.8	828.4	1 017.3	956.3	857.4	625.1	..
Denmark	2 211.1	2 200.0	2 355.5	2 271.9	1 554.3	1 371.5	1 490.1	1 798.1	1 725.6	1 646.0	1 351.7	..
Estonia	1 522.8	1 540.5	1 539.8	1 457.7	1 002.7	808.3	933.0	1 155.5	1 150.2	1 111.7	886.8	911.2
Finland	1 709.8	1 675.2	1 686.3	1 555.6	1 074.0	969.5	1 139.9	1 351.7	1 262.9	1 127.6	861.1	..
France	1 445.6	1 459.4	1 442.6	1 339.3	923.9	820.8	975.5	1 261.1	1 218.2	1 138.9	952.7	..
Germany	1 278.9	1 286.8	1 248.7	1 150.1	740.0	613.2	724.4	922.9	853.0	755.9	622.5	606.1
Greece	1 418.7	1 706.2	1 960.5	1 835.4	1 156.5	1 018.4	1 229.1	1 364.5	1 284.9	1 286.6	981.4	..
Hungary	x	x	x	x	x	x	x	x	x	x	x	x
Iceland	1 418.1	1 490.3	1 480.6	1 422.7	1 052.7
Ireland	1 653.8	1 661.5	1 661.0	1 513.5	877.1	745.9	833.9	1 005.6	938.2	885.3	634.7	..
Israel	2 362.6	2 373.9	2 421.4	2 373.6	1 865.5	1 743.5	1 916.5	2 088.0	2 052.0	2 028.6	1 669.1	..
Italy	2 222.3	2 206.5	2 225.7	2 159.1	1 528.3	1 428.7	1 553.7	1 769.4	1 725.9	1 653.6	1 420.8	..
Japan	1 371.4	1 387.6	1 224.2	1 200.3	819.5	712.3	840.3	1 004.4	1 006.9	1 020.9	880.6	..
Korea	1 689.6	1 753.3	1 767.5	1 743.7	1 185.9	957.2	1 068.4	1 212.9	1 168.6	1 137.2	950.6	..
Latvia	1 495.1	1 488.1	1 427.1	1 352.7	887.4	750.4	893.2	1 055.7	1 032.7	977.8	609.8	769.1
Lithuania	1 304.1	1 310.4	1 260.9	1 166.8	738.9	595.9	746.1	902.1	844.2	746.6	461.4	559.9
Luxembourg	1 193.1	1 215.9	1 188.4	1 105.2	701.6	593.4	704.6	882.2	817.5	703.2	470.2	..
Mexico	x	x	x	x	x	x	x	x	x	x	x	x
Netherlands	1 361.3	1 330.9	1 550.4	1 615.6	1 339.7	1 182.4	1 340.3	1 521.1	1 452.1	1 393.2	1 165.8	1 331.6
New Zealand
Norway	1 933.5	2 024.5	1 952.8	2 031.3	1 417.4	1 297.8	1 408.6	1 600.3	1 577.1	x	x	x
Poland	1 502.3	1 538.8	1 497.7	1 432.2	973.3	801.6	934.1	1 112.3	1 060.6	987.3	768.4	..
Portugal	1 709.3	1 935.0	1 989.2	1 925.4	1 371.8	1 242.1	1 381.9	1 592.0	1 550.0	1 494.7	1 245.5	..
Slovak Republic
Slovenia	1 476.8	1 524.9	1 556.4	1 561.2	1 094.2	939.0	1 059.8	1 292.0	1 244.3	1 194.9	900.7	..
Spain	1 352.5	1 379.3	1 367.6	1 285.1	832.5	706.4	833.9	1 011.7	974.9	877.4	614.3	723.4
Sweden	2 274.1	2 323.8	2 340.3
Switzerland	1 263.5	1 267.2	1 239.0	1 237.1	881.8	812.2	916.4	1 127.9	1 041.6	956.0	778.6	..
Turkey	2 173.1	2 174.1	2 169.8	1 986.4	1 366.8	1 201.7	1 276.0	1 305.4	1 168.8	986.3	640.5	..
United Kingdom	1 256.2	1 290.3	1 255.2	1 180.0	805.2	661.5	747.7	911.5	864.2	785.8	585.0	..
United States	1 141.1	1 174.9	1 173.9	1 153.2	822.1	652.6	778.0	934.6	930.7	868.4	620.2	..
OECD Europe	1 416.1	1 431.7	1 396.9	1 301.7	867.8	747.0	864.2	1 080.8	1 018.9	925.7	741.3	..
OECD Total	1 353.5	1 379.2	1 329.6	1 260.3	861.2	731.0	847.3	1 036.3	999.4	930.8	739.2	..

* Prices for 3Q2020 are preliminary.

Table 6
Automotive diesel oil prices for commercial use in USD/toe (NCV basis)

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia
Austria	1 470.7	1 441.7	1 508.4	1 450.4	1 163.0	1 080.6	1 111.3	1 231.3	1 190.4	1 090.9	859.6	978.5
Belgium	1 859.5	1 828.2	1 819.6	1 744.3	1 260.5	1 219.0	1 389.8	1 648.0	1 581.6	1 506.2	1 317.7	..
Canada	1 180.5	1 173.3	1 155.4	1 140.4	763.1	638.3	759.8	922.1	852.5	809.6	580.4	..
Chile
Czech Republic	1 883.4	1 812.3	1 779.5	1 683.7	1 221.9	1 079.1	1 215.0	1 399.1	1 330.7	1 279.2	1 030.3	..
Denmark	1 816.4	1 779.7	1 875.1	1 771.6	1 291.5	1 196.9	1 306.9	1 507.0	1 426.1	1 398.0	1 161.2	..
Estonia	1 651.4	1 651.4	1 644.1	1 572.8	1 119.6	1 070.8	1 241.6	1 442.8	1 393.3	1 382.5	1 109.7	1 087.6
Finland	1 737.9	1 813.4	1 812.5	1 774.2	1 301.1	1 189.4	1 321.0	1 484.9	1 426.8	1 380.7	1 187.2	..
France	1 774.7	1 715.0	1 712.5	1 627.4	1 220.1	1 160.4	1 320.5	1 614.9	1 533.7	1 461.0	1 252.3	..
Germany	1 931.8	1 867.1	1 849.8	1 762.8	1 285.4	1 185.3	1 296.9	1 513.9	1 411.8	1 355.0	1 176.7	1 255.7
Greece	1 851.2	1 772.4	1 669.0	1 608.1	1 174.4	1 069.4	1 281.2	1 466.3	1 392.9	1 333.8	1 120.4	..
Hungary	1 783.0	1 792.5	1 768.1	1 659.2	1 190.6	1 097.0	1 208.2	1 363.2	1 276.1	1 172.7	990.8	..
Iceland
Ireland	1 824.9	1 825.8	1 839.1	1 762.5	1 270.7	1 163.0	1 280.2	1 447.1	1 353.3	1 318.5	1 153.0	..
Israel	c	c	c	c	c	c	c	c	c	c	c	c
Italy	1 948.6	2 109.1	2 113.1	2 038.1	1 488.5	1 353.3	1 488.2	1 676.1	1 580.3	1 520.7	1 345.9	..
Japan	1 481.1	1 521.4	1 337.2	1 277.1	875.1	847.8	927.5	1 094.5	1 082.7	1 054.0	865.1	..
Korea
Latvia	1 651.1	1 616.5	1 609.5	1 547.8	1 091.3	977.9	1 095.9	1 304.2	1 247.4	1 221.6	972.3	1 128.2
Lithuania	1 597.7	1 588.3	1 629.2	1 559.8	1 100.0	973.5	1 078.2	1 257.8	1 187.3	1 153.5	942.6	1 057.5
Luxembourg	1 585.8	1 578.5	1 579.6	1 510.2	1 085.6	981.6	1 077.9	1 241.2	1 184.5	1 144.8	947.6	..
Mexico	719.9	754.0	865.9	929.7	832.7	701.6	817.4	921.0
Netherlands	1 812.5	1 787.2	1 793.7	1 774.5	1 298.4	1 199.9	1 308.8	1 498.4	1 444.0	1 410.7	1 264.2	..
New Zealand	1 097.6	1 131.4	1 110.6	1 032.3	669.5	515.5	664.2	866.7	795.3	705.1	492.0	..
Norway	2 035.6	2 043.5	2 012.8	1 869.1	1 363.1	1 247.9	1 465.6	1 641.5	1 521.1	1 408.0	1 222.1	..
Poland	1 603.9	1 642.8	1 633.7	1 556.6	1 119.9	988.3	1 104.8	1 284.2	1 240.6	1 192.7	952.3	..
Portugal	1 997.4	1 951.6	1 929.5	1 809.8	1 378.8	1 312.3	1 465.5	1 658.8	1 597.0	1 556.9	1 356.5	..
Slovak Republic	1 782.2	1 769.1	1 776.0	1 715.3	1 212.7	1 110.9	1 229.8	1 414.1	1 326.2	1 255.8	1 094.1	..
Slovenia	1 627.5	1 648.0	1 709.6	1 660.2	1 208.7	1 102.9	1 228.4	1 397.9	1 296.6	1 252.7	1 022.9	..
Spain	1 681.1	1 656.8	1 674.7	1 609.3	1 148.9	1 041.2	1 152.6	1 318.8	1 263.1	1 220.3	1 031.7	1 145.2
Sweden	1 940.7	1 953.4	2 007.7	1 886.2	1 416.8	1 397.1	1 499.4	1 613.3	1 485.7	1 436.7	1 266.3	..
Switzerland	2 043.6	2 005.6	1 972.7	1 897.6	1 515.4	1 350.8	1 453.5	1 634.7	1 548.6	1 584.6	1 275.1	..
Turkey	2 501.0	2 548.6	2 595.6	2 268.1	1 619.2	1 453.9	1 461.2	1 354.9	1 280.0	1 165.8	897.9	..
United Kingdom	2 117.8	2 140.4	2 090.2	2 092.7	1 671.9	1 415.5	1 473.5	1 651.1	1 597.9	1 560.6	1 337.2	..
United States	1 196.3	1 235.7	1 219.9	1 190.9	842.4	719.0	826.0	990.6	951.0	900.5	756.2	..
OECD Europe	1 877.3	1 886.7	1 887.1	1 805.8	1 341.7	1 220.8	1 326.9	1 501.4	1 426.5	1 366.7	1 160.0	..
OECD Total	1 559.5	1 585.0	1 568.4	1 519.5	1 114.9	1 005.9	1 110.3	1 274.7	1 226.9	1 172.4	985.6	..

* Prices for 3Q2020 are preliminary.

Table 7
Automotive diesel oil prices for non-commercial use in USD/toe (NCV basis)

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia	1 802.9	1 825.8	1 730.5	1 646.5	1 141.1	1 031.1	1 169.1	1 316.8	1 199.4	1 123.1	927.6	..
Austria	2 128.3	2 085.5	2 072.7	1 984.1	1 430.7	1 310.7	1 434.1	1 662.6	1 553.7	1 460.3	1 272.9	1 369.9
Belgium	2 250.1	2 212.1	2 201.5	2 110.6	1 525.1	1 475.0	1 681.6	1 994.0	1 913.7	1 822.5	1 594.4	..
Canada	1 414.5	1 410.5	1 401.9	1 364.2	960.0	828.2	953.7	1 116.3	1 042.1	996.8	762.0	..
Chile	1 308.8	1 363.0	1 353.8	1 277.5	852.7	697.8	817.9	987.9	919.8	871.3	762.0	..
Czech Republic	2 259.9	2 174.7	2 153.2	2 037.3	1 478.5	1 305.7	1 470.1	1 693.0	1 610.2	1 547.9	1 246.6	..
Denmark	2 271.4	2 224.5	2 344.1	2 214.5	1 614.4	1 496.1	1 633.7	1 883.7	1 782.7	1 747.6	1 451.4	..
Estonia	1 981.5	1 981.8	1 973.0	1 887.3	1 343.7	1 285.1	1 489.5	1 731.2	1 671.8	1 658.5	1 331.1	1 304.9
Finland	2 137.6	2 230.4	2 247.5	2 200.0	1 613.4	1 474.9	1 638.0	1 841.2	1 769.2	1 712.1	1 472.1	..
France	2 122.7	2 051.0	2 048.1	1 953.0	1 464.2	1 392.4	1 584.7	1 937.9	1 840.5	1 753.2	1 502.8	..
Germany	2 298.8	2 221.9	2 201.2	2 097.8	1 529.7	1 410.5	1 543.3	1 801.5	1 680.0	1 612.5	1 400.3	1 494.3
Greece	2 276.7	2 180.1	2 052.8	1 977.9	1 444.5	1 320.0	1 588.7	1 818.2	1 727.3	1 653.9	1 389.4	..
Hungary	2 228.8	2 276.4	2 245.5	2 107.2	1 512.1	1 393.2	1 534.4	1 731.3	1 620.7	1 489.3	1 258.3	..
Iceland
Ireland	2 207.6	2 245.4	2 262.0	2 167.6	1 563.1	1 430.6	1 574.7	1 779.9	1 664.6	1 621.7	1 418.9	..
Israel	2 394.2	2 311.4	2 372.5	2 336.7	1 841.4	1 693.7	1 897.1	2 096.4	2 090.8	2 058.8	1 770.5	..
Italy	2 344.0	2 552.0	2 562.1	2 486.5	1 816.0	1 651.0	1 815.6	2 044.8	1 928.0	1 855.3	1 642.1	..
Japan	1 776.6	1 791.3	1 556.5	1 506.5	1 086.7	1 053.3	1 123.8	1 306.3	1 307.3	1 318.0	1 153.5	..
Korea	1 859.1	1 891.9	1 862.8	1 832.8	1 354.6	1 201.5	1 337.7	1 491.9	1 356.6	1 332.9	1 070.7	..
Latvia	2 147.3	2 093.9	2 075.6	1 996.1	1 407.2	1 261.1	1 413.5	1 681.9	1 608.7	1 575.1	1 253.9	1 455.0
Lithuania	2 060.6	2 048.5	2 100.9	2 012.0	1 418.5	1 255.8	1 390.5	1 622.2	1 531.3	1 488.0	1 215.7	1 364.3
Luxembourg	1 823.3	1 815.3	1 816.7	1 736.8	1 270.1	1 148.1	1 261.5	1 457.3	1 386.0	1 340.4	1 108.4	..
Mexico	826.3	865.7	994.7	1 074.5	962.6	813.8	967.6	1 068.7
Netherlands	2 156.8	2 135.7	2 170.3	2 147.2	1 571.0	1 451.9	1 583.6	1 813.1	1 747.2	1 707.0	1 529.7	..
New Zealand	1 386.6	1 438.0	1 425.5	1 385.7	942.4	833.1	990.9	1 172.9	1 129.5	1 035.6	848.4	..
Norway	2 544.5	2 554.4	2 516.0	2 336.3	1 703.9	1 559.8	1 832.0	2 051.8	1 901.4	1 760.1	1 527.5	..
Poland	1 972.7	2 020.6	2 009.4	1 914.6	1 377.5	1 215.6	1 358.9	1 579.6	1 525.9	1 467.0	1 171.3	..
Portugal	2 203.4	2 152.9	2 128.5	1 996.4	1 521.0	1 447.6	1 616.7	1 829.9	1 761.6	1 717.1	1 496.4	..
Slovak Republic	2 138.6	2 122.7	2 131.2	2 058.3	1 455.3	1 333.0	1 475.8	1 696.9	1 591.5	1 507.0	1 313.0	..
Slovenia	1 953.1	1 977.7	2 068.7	2 025.4	1 474.7	1 345.5	1 498.7	1 705.4	1 581.9	1 528.2	1 247.9	..
Spain	1 983.4	1 970.6	2 026.3	1 947.3	1 390.1	1 259.6	1 394.5	1 595.9	1 528.1	1 476.5	1 248.2	1 386.0
Sweden	2 425.8	2 441.8	2 509.7	2 357.8	1 771.0	1 746.3	1 874.3	2 016.6	1 857.1	1 795.9	1 582.9	..
Switzerland	2 429.7	2 386.8	2 360.6	2 298.9	1 867.2	1 705.6	1 861.0	2 062.4	2 030.4	1 985.4	1 800.2	..
Turkey	2 501.0	2 548.6	2 595.6	2 268.1	1 619.2	1 453.9	1 461.2	1 354.9	1 280.0	1 165.8	897.9	..
United Kingdom	2 541.4	2 568.4	2 508.2	2 511.3	2 006.3	1 698.6	1 768.2	1 981.4	1 917.5	1 872.7	1 604.6	..
United States	1 196.3	1 235.7	1 219.9	1 190.9	842.4	719.0	826.0	990.6	951.0	900.5	756.2	..
OECD Europe	2 237.7	2 246.9	2 247.4	2 155.0	1 593.9	1 449.0	1 578.6	1 793.8	1 703.8	1 633.4	1 393.4	..
OECD Total	1 789.1	1 817.2	1 793.1	1 742.6	1 278.9	1 156.7	1 276.5	1 459.1	1 399.6	1 342.3	1 136.2	..

* Prices for 3Q2020 are preliminary.

Table 8
Regular unleaded gasoline prices in USD/toe (NCV basis)

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia	1 766.7	1 775.2	1 680.6	1 584.5	1 154.1	1 040.5	1 180.6	1 280.9	1 182.7	1 095.5	862.9	..
Austria	2 350.8	2 317.9	2 297.1	2 223.9	1 655.1	1 525.4	1 647.6	1 858.0	1 724.2	1 615.7	1 408.7	1 522.4
Belgium	x	x	x	x	x	x	x	x	x	x	x	x
Canada	1 499.9	1 528.5	1 489.3	1 390.6	1 019.5	929.3	1 057.2	1 190.2	1 090.9	967.1	795.8	..
Chile	1 774.8	1 883.3	1 887.7	1 788.1	1 309.1	1 198.8	1 309.0	1 455.7	1 324.2	1 246.5	1 128.1	..
Czech Republic	2 420.3	2 338.8	2 296.4
Denmark	2 657.8	2 604.1	2 688.2	2 572.7	1 969.5	1 854.3	2 019.4	2 237.0	2 051.6	x	x	x
Estonia
Finland	x	x	x	x	x	x	x	x	x	x	x	x
France	x	x	x	x	x	x	x	x	x	x	x	x
Germany	..	x	x	x	x	x	x	x	x	x	x	x
Greece	x	x	x	x	x	x	x	x	x	x	x	x
Hungary	x	x	x	x	x	x	x	x	x	x	x	x
Iceland
Ireland	x	x	x	x	x	x	x	x	x	x	x	x
Israel	x	x	x	x	x	x	x	x	x	x	x	x
Italy	x	x	x	x	x	x	x	x	x	x	x	x
Japan	2 190.3	2 204.2	1 913.9	1 843.4	1 362.1	1 327.5	1 425.2	1 623.6	1 603.7	1 619.1	1 439.9	..
Korea	2 433.4	2 463.2	2 454.8	2 423.5	1 864.7	1 687.9	1 842.2	2 007.5	1 764.8	1 786.9	1 487.6	..
Latvia
Lithuania
Luxembourg
Mexico	946.0	994.7	1 144.0	1 216.0	1 066.4	920.0	1 082.2	1 192.6
Netherlands	x	x	x	x	x	x	x	x	x	x	x	x
New Zealand	2 135.4	2 228.0	2 264.6	2 272.1	1 726.8	1 611.7	1 760.0	1 909.9	1 816.4	1 740.2	1 485.3	..
Norway	x	x	x	x	x	x	x	x	x	x	x	x
Poland	x	x	x	x	x	x	x	x	x	x	x	x
Portugal	x	x	x	x	x	x	x	x	x	x	x	x
Slovak Republic
Slovenia
Spain	x	x	x	x	x	x	x	x	x	x	x	x
Sweden	x	x	x	x	x	x	x	x	x	x	x	x
Switzerland	x	x	x	x	x	x	x	x	x	x	x	x
Turkey	x	x	x	x	x	x	x	x	x	x	x	x
United Kingdom	x	x	x	x	x	x	x	x	x	x	x	x
United States	1 115.7	1 147.6	1 109.3	1 064.1	766.4	680.0	764.7	862.7	822.1	761.8	610.9	..
OECD Europe
OECD Total	1 286.0	1 315.4	1 266.0	1 214.3	893.2	803.4	901.0	1 012.3	948.6	886.9	726.6	..

* Prices for 3Q2020 are preliminary.

Table 9
Premium unleaded (98 RON) gasoline prices in USD/toe (NCV basis)

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia
Austria	2 613.3	2 574.1	2 549.9	2 467.1	1 855.4	1 732.5	1 865.8	2 083.2	1 945.2	1 831.0	1 630.9	1 763.2
Belgium	2 866.2	2 823.1	2 859.0	2 754.0	2 096.2	1 957.0	2 115.2	2 311.3	2 163.9	2 083.2	1 843.8	..
Canada	1 647.7	1 675.5	1 643.1	1 552.8	1 170.2	1 076.2	1 217.7	1 358.6	1 270.4	1 157.5	980.7	..
Chile	1 874.0	1 999.7	2 006.0	1 902.5	1 449.5	1 314.8	1 437.0	1 564.7	1 432.0	1 340.0	1 229.9	..
Czech Republic	2 607.2	2 503.4	2 475.4	2 340.2	1 752.6	1 623.6	1 784.4	2 073.6	1 968.8	1 900.6	1 554.7	..
Denmark	2 742.4	2 693.0	2 779.8	x	x	x	x	x	x	x	x	x
Estonia
Finland	2 694.6	2 642.0	2 664.9	2 631.9	2 023.9	1 914.9	2 076.0	2 250.8	2 166.1	2 088.7	1 850.4	..
France	2 644.3	2 574.4	2 620.3	2 534.7	1 942.6	1 864.6	2 013.2	2 295.4	2 174.1	2 096.6	1 823.4	..
Germany	2 672.9	2 585.7	2 594.3	2 486.3	1 902.2	1 797.4	1 947.5	2 172.3	2 031.7	2 011.0	1 805.1	2 000.8
Greece	x	x	x	x	x	x	x	x	x	x	x	x
Hungary
Iceland
Ireland
Israel	x	x	x	x	x	x	x	x	x	x	x	x
Italy
Japan	x	x	x	x	x	x	x	x	x	x	x	x
Korea
Latvia
Lithuania
Luxembourg	2 194.8	2 181.2	2 208.2	2 126.0	1 644.7	1 529.7	1 652.4	1 803.5	1 638.9	1 518.4	1 408.2	..
Mexico	x	x	x	x	x	x	x	x	x	x	x	x
Netherlands
New Zealand	x	x	x	x	x	x	x	x	x	x	x	x
Norway	3 025.3	3 143.0	x	x	x	x	x	x	x	x	x	x
Poland	2 317.1	2 330.1	2 325.7	2 253.0	1 676.3	1 526.9	1 673.3	1 868.1	1 784.5	1 709.8	1 384.1	..
Portugal	2 804.9	2 765.5	2 756.0	2 668.2	2 065.4	2 020.1	2 163.3	2 393.6	2 206.8	2 226.4	1 937.7	..
Slovak Republic	x	x	x	x	x	x	x	x	x	x	x	x
Slovenia	2 340.0	2 478.5	2 588.8	2 531.2	1 913.3	1 794.7	1 987.0	2 203.7	2 043.3	1 982.6	1 637.5	..
Spain
Sweden	2 669.6	2 734.4	2 756.2	2 598.8	1 992.3	1 939.2	2 074.5	2 244.7	2 110.4	1 957.6	1 761.6	..
Switzerland	2 524.7	2 487.2	2 478.6	2 440.3	2 030.8	1 887.4	2 031.6	2 210.7	2 134.3	2 129.0	1 941.0	..
Turkey
United Kingdom	2 852.5	2 865.7	2 804.7	2 815.0	2 301.0	2 013.0	2 069.4	2 282.4	2 199.8	2 201.2	1 896.3	..
United States	1 193.2	1 232.1	1 209.3	1 173.9	893.3	827.7	923.0	1 042.2	1 028.6	972.8	825.0	..
OECD Europe
OECD Total	1 429.8	1 451.2	1 420.6	1 369.9	1 043.1	964.5	1 068.6	1 200.3	1 168.5	1 109.9	948.2	..

* Prices for 3Q2020 are preliminary.

Table 10
Premium unleaded (95 RON) gasoline prices in USD/toe (NCV basis)

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia	1 896.8	1 918.7	1 804.6	1 701.5	1 261.1	1 175.5	1 292.8	1 390.7	1 295.6	1 213.9	979.3	..
Austria	2 352.0	2 319.7	2 300.1	2 227.8	1 658.7	1 530.0	1 653.1	1 859.4	1 725.2	1 618.6	1 409.0	1 524.6
Belgium	2 817.5	2 771.3	2 767.6	2 673.5	2 002.4	1 867.0	2 027.4	2 202.9	2 082.4	1 964.2	1 744.2	..
Canada	1 627.0	1 654.9	1 640.1	1 551.4	1 122.9	1 030.2	1 173.5	1 313.9	1 220.7	1 102.9	928.2	..
Chile	1 855.7	1 977.5	1 978.2	1 877.0	1 403.8	1 277.4	1 390.6	1 534.0	1 400.3	1 314.6	1 198.1	..
Czech Republic	2 475.4	2 374.5	2 338.3	2 200.3	1 611.7	1 479.2	1 638.7	1 865.2	1 728.0	1 685.5	1 343.3	..
Denmark	2 664.5	2 610.3	2 694.6	2 576.9	1 973.3	1 858.3	2 023.0	2 242.4	2 134.2	2 029.3	1 782.8	..
Estonia	2 064.5	2 094.2	2 085.0	2 016.4	1 464.7	1 404.5	1 602.5	1 879.5	1 798.0	1 782.2	1 559.9	1 734.0
Finland	2 600.1	2 557.3	2 592.6	2 542.2	1 934.6	1 813.8	1 972.4	2 129.2	2 046.6	1 974.4	1 740.5	..
France	2 581.0	2 492.3	2 526.4	2 440.5	1 862.2	1 780.8	1 918.8	2 201.5	2 084.9	2 008.0	1 738.3	..
Germany	2 597.7	2 541.6	2 540.4	2 440.9	1 861.0	1 725.2	1 852.8	2 069.0	1 927.5	1 843.6	1 625.0	1 811.0
Greece	2 751.3	2 664.2	2 664.7	2 591.5	1 941.4	1 831.5	2 024.5	2 233.2	2 115.4	2 074.1	1 785.1	..
Hungary	2 424.5	2 414.0	2 375.1	2 223.6	1 630.9	1 506.9	1 642.2	1 800.2	1 673.9	1 561.2	1 290.1	..
Iceland	2 441.3	2 466.5	2 493.2	2 522.5	1 950.0
Ireland	2 467.9	2 489.5	2 528.6	2 425.6	1 814.8	1 695.0	1 843.8	2 034.2	1 883.5	1 849.1	1 621.8	..
Israel	2 488.5	2 413.1	2 535.4	2 499.8	1 974.2	1 874.6	2 038.7	2 173.7	2 120.2	2 108.9	1 744.1	..
Italy	2 730.9	2 899.5	2 930.9	2 868.8	2 154.4	2 016.1	2 175.3	2 383.3	2 225.0	2 157.6	1 932.4	..
Japan
Korea	2 694.4	2 770.7	2 826.9	2 867.7	2 316.2	2 115.1	2 254.5	2 383.4	2 141.1	2 111.4	1 844.9	..
Latvia	2 157.0	2 149.7	2 141.2	2 043.8	1 495.3	1 419.1	1 555.2	1 791.8	1 688.1	1 680.6	1 362.1	1 583.4
Lithuania	2 204.1	2 170.1	2 183.2	2 091.6	1 532.1	1 408.1	1 528.9	1 713.0	1 609.0	1 589.6	1 346.2	1 516.4
Luxembourg	2 144.9	2 127.3	2 122.4	2 049.8	1 559.7	1 447.5	1 567.4	1 721.5	1 708.6	1 668.8	1 292.2	..
Mexico	1 062.2	1 061.4	1 204.7	1 288.3	1 138.5	977.5	1 202.6	1 291.2
Netherlands	2 860.7	2 836.0	2 891.4	2 837.5	2 168.1	2 048.9	2 195.2	2 395.4	2 313.2	2 270.3	2 067.1	..
New Zealand	2 150.1	2 249.1	2 301.4	2 327.8	1 780.2	1 683.6	1 835.2	1 964.4	1 880.0	1 821.0	1 580.1	..
Norway	2 921.7	3 065.7	3 000.6	2 808.2	2 038.3	1 932.2	2 119.0	2 289.9	2 135.6	1 965.6	1 695.6	..
Poland	2 213.9	2 242.9	2 219.1	2 140.6	1 571.9	1 414.7	1 555.3	1 752.4	1 668.1	1 561.9	1 267.7	..
Portugal	2 686.7	2 636.9	2 620.4	2 527.9	1 984.6	1 909.7	2 060.8	2 268.9	2 086.3	2 019.9	1 787.7	..
Slovak Republic	2 499.3	2 471.8	2 473.3	2 436.5	1 794.2	1 680.8	1 818.9	2 010.3	1 859.8	1 765.1	1 522.7	..
Slovenia	2 316.1	2 447.4	2 547.3	2 481.2	1 841.6	1 704.7	1 846.8	2 013.4	1 855.9	1 808.5	1 436.3	..
Spain	2 196.9	2 192.0	2 275.4	2 203.5	1 630.8	1 524.4	1 644.3	1 822.6	1 739.4	1 692.5	1 453.0	1 622.4
Sweden	2 579.7	2 626.7	2 640.7	2 478.0	1 878.8	1 820.8	1 956.6	2 119.3	2 002.9	1 865.4	1 650.4	..
Switzerland	2 452.9	2 422.5	2 403.1	2 363.5	1 943.3	1 801.3	1 923.2	2 097.2	2 017.4	1 999.2	1 810.7	..
Turkey	3 027.6	3 031.3	3 031.0	2 660.4	1 997.7	1 821.2	1 764.4	1 568.2	1 453.0	1 305.2	1 006.0	..
United Kingdom	2 704.3	2 715.7	2 654.2	2 657.2	2 149.3	1 859.5	1 916.7	2 113.7	2 017.2	2 001.1	1 673.8	..
United States	1 153.0	1 190.3	1 159.1	1 121.6	834.7	758.4	849.3	968.1	947.4	894.1	744.8	..
OECD Europe	2 598.7	2 592.1	2 594.7	2 515.4	1 923.6	1 771.3	1 891.5	2 086.6	1 968.7	1 900.1	1 645.6	..
OECD Total	1 469.1	1 486.1	1 465.7	1 422.9	1 074.6	977.5	1 088.5	1 217.5	1 165.0	1 104.7	931.8	..

* Prices for 3Q2020 are preliminary.

Table 11
Natural gas prices for industry in USD/toe (NCV basis)

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia
Austria	..	618.9	631.1	593.4	542.1	496.4	438.5	486.0	407.2	386.1	385.9	408.3
Belgium	628.2	606.2	650.5	509.7	420.4	349.7	354.8	408.8	335.5
Canada	199.2	153.8	177.4	206.7	131.3	149.2	163.1	144.4	128.8	133.9	111.3	..
Chile	c	c	c	c	c	c	c	c	c	c	c	c
Czech Republic	656.0	630.9	611.7	553.1	435.6	391.3	382.0	417.0	422.6	390.9	369.4	..
Denmark	716.3	658.7	721.4	604.7	477.6	389.1	450.4	540.5	426.9
Estonia	512.2	589.3	609.3	612.4	434.3	336.1	396.3	477.1	457.1
Finland	683.0	696.1	718.6	691.1	533.7	510.7	596.3	693.4	646.9
France	667.6	676.5	712.4	677.0	544.4	470.0	498.0	561.8	526.4
Germany	649.4	576.7	644.7	576.4	440.9	378.3	359.7	398.2	381.0
Greece	723.2	862.7	788.1	730.4	477.1	369.5	340.6	466.4	483.1
Hungary	562.9	618.3	589.6	661.1	442.4	365.9	337.7	406.6	378.1	309.0	250.5	..
Iceland
Ireland	567.0	589.0	668.5	628.2	463.6	441.5	467.3	539.4	522.1	571.2	568.2	..
Israel	c	c	c	c	c	c	c	c	c	c	c	c
Italy	635.3	707.4	728.8	657.5	539.5	472.7	445.8	509.6	490.6
Japan	866.4	947.6	886.7	864.5	572.8	456.4	506.8	594.3	603.4
Korea	762.3	794.3	856.1	934.4	642.5	529.0	564.1	558.2	557.1	578.2	544.3	..
Latvia	550.2	621.6	629.7	588.7	454.8	363.1	391.7	469.6	486.8
Lithuania	722.0	749.9	735.1	718.1	426.5	393.0	455.2	570.4	478.1
Luxembourg	647.3	640.4	691.7	579.3	547.4	399.6	373.3	427.1	345.2
Mexico
Netherlands	497.7	499.1	539.5	529.8	409.3	352.3	351.8	391.2	339.9
New Zealand	279.3	294.7	305.7	287.0	228.3	198.2	230.9	237.2	208.4	204.9	186.1	..
Norway	x	x	x	x	x	x	x	x	x	x	x	x
Poland	549.3	568.1	546.3	566.4	411.4	304.9	326.4	389.4	330.0	283.6	219.5	..
Portugal	646.5	681.0	720.0	746.5	569.9	440.3	400.1	433.4	461.2
Slovak Republic	648.5	678.8	637.6	570.7	468.9	436.9	419.7	444.1	394.2	379.1	357.3	356.3
Slovenia	753.4	832.0	748.1	668.6	490.6	415.1	403.0	455.2	446.9	406.0	376.2	..
Spain	487.1	568.2	591.6	574.3	429.4	341.4	346.9	390.0	397.2	391.3	338.8	..
Sweden	874.2	818.2	824.4	709.8	574.0	497.7	526.8	647.5	467.1
Switzerland	936.9	926.6	933.5	950.4	849.8	799.3	783.7	849.0	862.4	831.9	826.7	..
Turkey	436.5	531.7	563.5	500.6	421.3	370.1	284.4	306.0	371.4	368.6	327.2	..
United Kingdom	459.2	496.9	541.2	517.7	429.9	321.9	325.4	393.3	356.2	359.7	291.3	..
United States	218.2	165.8	198.2	236.9	166.8	150.3	174.9	179.5	166.9	150.3	119.6	..
OECD Europe	589.0	601.4	633.3	588.0	463.2	392.6	380.0	430.5	408.7
OECD Total	402.5	381.5	412.6	411.0	300.9	258.6	271.6	290.9	275.9

* Prices for 3Q2020 are preliminary.

Table 12
Natural gas prices for electricity generation in USD/toe (NCV basis)

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia	c	c	c	c	c	c	c	c	c	c	c	c
Austria	384.7	477.8	359.9	310.8	310.7	328.7
Belgium	c	c	c	c	c	c	c	c	c	c	c	c
Canada	205.2	168.8	207.4
Chile	c	c	c	c	c	c	c	c	c	c	c	c
Czech Republic
Denmark	c	c	c	c	c	c	c	c	c	c	c	c
Estonia
Finland	536.9	561.1	541.5	514.0	334.3	286.4	352.0	420.5	377.8
France
Germany
Greece	c	c	c	c	c	c	c	c	c	c	c	c
Hungary	541.3	568.0	544.8	556.5	412.0	301.7	321.2	375.3	348.9	264.9	181.0	..
Iceland
Ireland	c	c	c	c	c	c	c	c	c	c	c	c
Israel	541.2	548.6
Italy	c	c	c	c	c	c	c	c	c	c	c	c
Japan
Korea	687.4	728.3	778.9	854.1	572.8	434.6	498.3	593.9	525.4	459.9	451.5	..
Latvia	c	c	c	c	c	c
Lithuania
Luxembourg	c	c	c	c	c	c	c	c	c	c	c	c
Mexico	243.2	181.6	250.5	275.1	173.0	166.1	224.2	200.0
Netherlands
New Zealand	c	c	c	c	c	c	c	c	c	c	c	c
Norway
Poland	355.1	366.4	348.5	337.4	288.5	225.2	247.4	289.7	255.6	240.3	176.5	..
Portugal	534.2	595.5	614.5	600.6	398.4	290.8	335.8	396.6	339.3	306.6	230.3	..
Slovak Republic	573.2	688.4	642.0	660.3	597.7	414.6	433.8	509.7	437.9	297.4	284.9	301.4
Slovenia	c	c	c	c	c	c	c	c	c	c	c	c
Spain
Sweden
Switzerland
Turkey	430.6	529.4	558.3	496.6	423.3	372.2	287.0	347.4	398.9	380.5	338.5	..
United Kingdom	396.5	437.3	464.4	402.1	313.0	222.5	253.6	331.8	234.1	229.7
United States	208.5	150.7	190.7	219.7	142.4	126.7	148.6	156.3	126.9	105.4	89.9	..
OECD Europe
OECD Total

* Prices for 3Q2020 are preliminary.

Table 13
Natural gas prices for households in USD/toe (NCV basis)

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia
Austria	1 192.6	1 218.8	1 281.2	1 251.8	1 015.6	964.3	1 014.4	1 067.2	993.3	987.9	987.4	1 044.7
Belgium	1 235.3	1 192.4	1 149.5	1 136.2	896.4	785.0	793.8	894.6	826.2
Canada	479.6	444.0	436.8	453.3	346.9	332.8	345.0	335.3	336.1	231.0	292.9	..
Chile	1 781.6	1 615.4	1 446.6	1 326.7	1 126.0	1 159.2	1 316.3	1 518.2	1 448.4	1 289.6	1 270.8	..
Czech Republic	1 071.2	1 132.3	1 084.8	994.9	865.4	829.5	845.5	903.7	892.1	885.0	836.3	..
Denmark	1 849.3	1 607.1	1 689.7	1 530.7	1 122.3	1 042.1	1 224.3	1 367.4	1 172.5
Estonia	778.1	850.1	857.2	830.0	594.5	464.5	597.7	629.5	653.9
Finland
France	1 124.2	1 132.6	1 236.9	1 300.9	1 073.3	995.3	1 029.3	1 161.8	1 185.8
Germany	1 196.2	1 167.1	1 222.5	1 223.4	1 012.5	980.8	966.9	996.1	982.5	980.4	980.6	1 015.4
Greece	1 395.5	1 783.9	1 957.8	1 806.4	1 456.0	888.5	914.9	913.6	844.1
Hungary	822.2	780.9	743.2	633.2	515.1	505.0	527.4	537.6	499.9	463.0	445.3	..
Iceland
Ireland	1 041.5	1 120.9	1 253.2	1 302.5	1 040.1	1 031.7	1 012.0	1 137.3	1 097.8	1 011.9	1 045.9	..
Israel	x	x	x	x	x	x	x	x	x	x	x	x
Italy	1 380.2	1 382.3	1 507.0	1 475.1	1 185.4	1 119.3	1 118.3	1 205.9	1 209.4
Japan	2 140.2	2 192.0	1 887.9	1 849.2	1 468.6	1 403.5	1 387.6	1 517.5	1 511.4
Korea	898.4	937.9	1 019.5	1 111.2	822.1	710.9	751.6	748.2	733.2	720.9	624.6	..
Latvia	813.0	924.0	945.3	911.3	770.6	651.0	613.9	684.6	700.8
Lithuania	876.7	931.0	1 043.8	907.7	615.7	571.6	553.5	613.1	619.1
Luxembourg	956.8	964.2	1 019.3	893.6	695.3	619.2	591.0	655.5	618.4
Mexico	472.6	391.6	446.0	457.2	351.4	320.1
Netherlands	1 250.6	1 275.4	1 339.8	1 325.5	1 060.4	1 075.7	1 100.3	1 227.7	1 341.7	1 409.8	1 381.4	..
New Zealand	1 340.1	1 391.8	1 443.0	1 420.3	1 197.0	1 245.4	1 176.6	1 284.9	1 230.4	1 605.4	1 104.6	..
Norway	x	x	x	x	x	x	x	x	x	x	x	x
Poland	939.3	912.8	879.3	938.4	770.4	650.5	655.0	690.9	668.8	603.6	651.5	..
Portugal	1 211.5	1 321.6	1 517.8	1 781.8	1 403.3	1 234.1	1 144.7	1 176.0	1 111.3
Slovak Republic	889.7	883.8	912.8	914.2	749.8	674.4	656.6	724.0	704.8	639.2	771.4	928.5
Slovenia	1 276.2	1 272.7	1 180.8	1 144.3	899.0	830.2	784.7	843.6	820.7	832.1	833.5	..
Spain	1 152.8	1 316.7	1 443.3	1 536.0	1 270.5	1 145.5	1 210.5	1 248.4	1 300.8	999.1	1 093.1	..
Sweden	2 113.3	2 027.4	2 103.4	1 989.4	1 652.0	1 623.8	1 702.7	1 812.2	1 700.3
Switzerland	1 388.2	1 379.8	1 400.2	1 455.6	1 299.2	1 262.0	1 226.0	1 301.6	1 330.9	1 307.3	1 297.0	..
Turkey	547.0	649.2	680.8	614.3	526.8	480.4	387.3	331.3	342.9	375.4	342.2	..
United Kingdom	870.2	932.7	976.9	1 089.3	952.2	769.5	716.7	769.1	758.9	725.5	679.8	..
United States	470.6	456.4	439.6	466.9	442.4	428.6	463.6	446.5	450.6	406.1	501.1	..
OECD Europe	1 088.9	1 109.9	1 169.5	1 182.7	978.9	895.6	873.3	928.6	929.4
OECD Total	816.5	848.9	834.0	818.1	716.3	682.6	688.2	691.4	692.8	557.1	601.9	..

* Prices for 3Q2020 are preliminary.

Table 14
Steam coal prices for industry in USD/toe (NCV basis)

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia
Austria	352.4	359.7	324.7	298.7	240.9	300.3	250.6	388.8	303.8	279.9	280.1	289.5
Belgium	..	341.0	254.9	218.8	167.5	158.8	253.2	256.2	227.7
Canada
Chile
Czech Rep.**	c	c	c	c	c	c	c	c	c	c	c	c
Denmark
Estonia
Finland	517.4	460.9	445.1	444.1	403.7	442.9	519.5	569.0	511.1	487.5	475.0	..
France	308.2	313.9	265.8	253.2	213.1	204.3	214.8	263.4
Germany
Greece	x	x	x	x	x	x	x	x
Hungary	x	x	x	x	x	x	x	x	x	x	x	x
Iceland
Ireland
Israel	x	x	x	x	x	x	x	x	x	x	x	x
Italy	227.5
Japan	263.2	257.4	215.8	192.4	160.4	152.8	200.2	233.0	217.9	186.2	170.9	..
Korea
Latvia
Lithuania
Luxembourg	x	x	x	x	x	x	x	x	x	x	x	x
Mexico	x	x	x	x	x	x	x	x	x	x	x	x
Netherlands
New Zealand	c	c	c	c	c	c	c	c	c	c	c	c
Norway
Poland	203.2	203.1	186.4	171.9	130.1	111.4	140.7	171.3	155.0	159.6	147.7	..
Portugal	251.8	289.9	236.2	211.2	127.5	255.9	c	c	c	c	c	c
Slovak Republic
Slovenia	c	c	c	c	c	c	c	c	c	c	c	c
Spain
Sweden	c	c	c	c	c	c	c	c	c	c
Switzerland	334.4	254.2	205.9	187.1	164.5	151.4	160.9	195.1	160.9	130.6	132.8	..
Turkey**	203.3	230.6	246.9	213.4	190.0	183.4	165.3	181.8	176.5	192.4	154.3	..
United Kingdom	238.3	236.9	252.5	264.7	212.4	160.2	170.2	207.7	193.4	190.4
United States	110.7	125.6	122.5	123.6	116.0	110.5	108.4	107.7	105.5	100.8	101.4	..
OECD Europe
OECD Total

* Prices for 3Q2020 are preliminary.

** Brown coal price for the Czech Republic and Turkey.

Table 15
Steam coal prices for electricity generation in USD/toe (NCV basis)

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia
Austria	193.5	195.4	208.5	170.3	149.1	146.9	147.3	188.9	138.7	124.6	124.8	127.7
Belgium	x	x	x	x	x	x	x
Canada	47.3	53.9	54.0
Chile	152.7	137.6	128.3	118.8	102.8	93.7	126.5	140.2	108.5	90.8	86.9	..
Czech Rep.**	c	c	c	c	c	c	c	c	c	c	c	c
Denmark
Estonia
Finland	224.9	190.6	155.8	155.0	122.4	118.7	166.0	174.0	140.3	122.6	110.3	..
France	206.6	178.1	161.0	154.4	123.0	122.1	147.6	149.4
Germany	221.5	182.9	157.5	145.5	119.7	114.9	173.8	191.0	162.4	124.2	131.5	119.1
Greece**	x	x	x	x	x	x	x	x
Hungary**	c	c	c	c	c	c	c	c	c	c	c	c
Iceland
Ireland	c	c	c	c	c	c	c	c	c	c	c	c
Israel	271.0	256.4
Italy
Japan
Korea
Latvia
Lithuania
Luxembourg	x	x	x	x	x	x	x	x	x	x	x	x
Mexico***	122.7	124.4	133.0	138.0	124.0	111.5	121.6	119.6
Netherlands
New Zealand	c	c	c	c	c	c	c	c	c	c	c	c
Norway
Poland	165.6	162.2	151.5	146.6	115.8	100.1	104.2	130.1	134.9	132.8	120.9	..
Portugal	185.5	147.7	128.0	118.1	91.8	90.0	139.6	153.3	101.3	c	c	c
Slovak Republic**
Slovenia	c	c	c	c	c	c	c	c	c	c	c	c
Spain
Sweden	c	c	c	c	c	c	c	c	c	c
Switzerland	x	x	x	x	x	x	x	x	x	x	x	x
Turkey**	186.9	194.2	228.0	217.6	159.6	142.3	131.0	109.0	118.7	132.4	103.1	..
United Kingdom	227.3	185.9	170.2	165.2	131.7	129.6	168.4	181.4	137.2	123.0
United States	89.7	89.4	87.9	88.7	83.5	79.2	77.2	77.2	75.8	72.4	72.9	..
OECD Europe
OECD Total

* Prices for 3Q2020 are preliminary.

** Brown coal price for the Czech Republic, Greece, Hungary, Slovak Republic (from 2002 onwards) and Turkey.

*** Sub-bituminous coal for Mexico.

Table 16
Coking coal prices for industry in USD/toe (NCV basis)

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia
Austria	c	c	c	c	c	c	c	c	c	c	c	c
Belgium	..	375.7	272.3	223.7	169.1	167.0	351.3	332.3	306.6
Canada
Chile	354.4	318.4	173.6	213.2	151.4	136.8	288.8	305.0	325.0	205.7	232.4	..
Czech Republic	c	c	c	c	c	c	c	c	c	c	c	c
Denmark	x	x	x	x	x	x	x	x	x	x	x	x
Estonia
Finland	685.3	569.4	503.6	483.4	427.2	460.8	607.2	638.4	630.1	559.9	546.3	..
France	397.4	324.4	237.3	198.6	153.5	158.4	317.9	298.8	288.2
Germany	c	c	c	c	c	c	c	c	c	c	c	c
Greece	x	x	x	x	x	x	x	x
Hungary	c	c	c	c	c	c	c	c	c	c	c	c
Iceland
Ireland	x	x	x	x	x	x	x	x	x	x	x	x
Israel	x	x	x	x	x	x	x	x	x	x	x	x
Italy	363.8
Japan	343.0	289.0	214.7	178.7	150.3	146.6	234.4	246.5	233.3	186.0	187.5	..
Korea
Latvia
Lithuania
Luxembourg	x	x	x	x	x	x	x	x	x	x	x	x
Mexico	x	x	x	x	x	x	x	x	x	x	x	x
Netherlands
New Zealand	c	c	c	c	c	c	c	c	c	c	c	c
Norway	x	x	x	x	x	x	x	x	x	x	x	x
Poland	361.9	263.1	213.1	189.9	150.6	146.4	253.4	270.1	245.7	192.0	172.0	..
Portugal	711.9	547.4	693.0	710.6	577.2	514.0	c	c	c	c	c	c
Slovak Republic
Slovenia	x	x	x	x	x	x	x	x	x	x	x	x
Spain	c	c	c	c	c	c	c	c	c	c	c	c
Sweden	c	c	c	c	c	c	c	c	c	c
Switzerland	x	x	x	x	x	x	x	x	x	x	x	x
Turkey	362.6	384.2	386.6	333.0	274.8	264.9	263.5	244.8	246.0	252.1	224.3	..
United Kingdom
United States	282.8	285.8	278.9	281.2	264.1	251.5	246.8	245.2	240.1	229.4	230.9	..
OECD Europe
OECD Total

* Prices for 3Q2020 are preliminary.

Table 17
Electricity prices for industry in USD/toe (NCV basis)

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia
Austria	..	1 605.3	1 641.4	1 571.1	1 263.0	1 228.4	1 188.8	1 281.9	1 274.8	1 245.2	1 244.6	1 316.8
Belgium	1 860.2	1 735.3	1 760.9	1 759.1	1 453.7	1 519.9	1 584.1	1 587.4	1 568.3
Canada	941.6	990.3	1 122.0	935.8	744.1	916.2	974.0	976.2	1 051.8
Chile	1 794.7	1 473.2	1 372.3	1 207.4	1 333.0	1 449.2	1 742.2	1 844.7	1 854.7	1 884.1	1 841.5	..
Czech Republic	1 857.9	1 684.6	1 730.7	1 428.4	1 135.9	1 039.5	1 028.8	1 120.8	1 209.1	1 290.8	1 222.4	..
Denmark	1 483.3	1 399.0	1 493.1	1 407.3	1 114.6	1 142.4	1 067.0	1 080.9	931.2
Estonia	1 173.9	1 174.0	1 451.8	1 370.8	1 139.6	1 099.4	1 093.2	1 194.5	1 160.9
Finland	1 180.3	1 076.7	1 103.7	1 079.4	868.5	847.6	846.3	912.5	877.5	837.3	836.4	..
France	1 422.9	1 357.9	1 496.7	1 535.3	1 328.3	1 230.3	1 277.8	1 352.6	1 370.1
Germany	1 827.1	1 729.2	1 968.9	2 038.0	1 687.2	1 637.6	1 663.4	1 690.7	1 697.9
Greece	1 459.2	1 555.1	1 650.1	1 660.0	1 224.8	1 151.5	1 245.9	1 214.5	1 127.2
Hungary	1 594.6	1 529.8	1 543.1	1 433.6	1 159.6	1 044.3	1 030.9	1 097.0	1 020.1	1 240.6	1 166.2	..
Iceland
Ireland	1 770.9	1 804.6	2 015.4	1 934.6	1 539.3	1 375.5	1 441.1	1 494.5	1 497.9	1 478.1	1 370.6	..
Israel	1 128.4	1 254.7	1 411.2	1 373.5	1 058.3	994.5	1 091.3
Italy	2 547.2	2 622.0	2 768.4	2 741.1	2 190.1	2 147.4	2 059.4	2 027.8	2 152.3
Japan	2 085.2	2 258.8	2 025.9	2 039.2	1 744.1	1 756.2	1 749.1	1 868.2	1 910.5	2 099.7
Korea	884.6	994.2	1 109.0	1 223.3	1 144.8	1 112.8	1 145.5	1 166.8	1 102.7	1 098.1	1 007.3	..
Latvia	1 693.6	1 595.2	1 775.5	1 637.7	1 257.7	1 276.7	1 438.8	1 494.2	1 445.4
Lithuania	1 847.2	1 795.7	1 996.6	1 909.2	1 413.1	1 318.0	1 226.9	1 347.6	1 359.5
Luxembourg	1 371.1	1 298.8	1 240.3	1 150.1	835.9	799.8	893.9	970.8	950.2
Mexico	1 341.0	1 334.2	1 413.1	1 412.3	949.9	819.4	1 034.0	1 041.0
Netherlands	1 376.8	1 273.4	1 312.1	1 373.1	1 041.0	990.1	1 004.0	1 081.4	1 123.3
New Zealand	946.8	997.2	1 093.9	1 161.6	932.1	867.0	1 009.7	1 147.4
Norway	826.7	669.3	798.9	634.8	410.9	493.1	529.4	792.0	697.1	349.3	150.9	..
Poland	1 413.8	1 332.4	1 273.0	1 162.0	1 042.9	962.5	1 018.1	1 111.4	1 149.7	1 239.7	1 192.6	..
Portugal	1 618.5	1 712.8	1 768.2	1 812.0	1 479.5	1 451.1	1 502.1	1 573.4	1 490.3
Slovak Republic	2 095.5	1 993.8	2 102.4	1 845.2	1 518.2	1 453.5	1 498.2	1 642.1	1 707.4	1 653.1	1 673.4	1 762.3
Slovenia	1 468.6	1 369.4	1 462.0	1 338.5	1 024.3	976.2	956.0	1 084.5	1 086.5	1 114.3	1 098.3	..
Spain	1 646.3	1 679.0	1 661.0	1 803.8	1 464.8	1 345.1	1 343.1	1 482.0	1 426.3
Sweden	1 210.2	1 037.1	1 051.6	950.3	683.7	700.4	726.9	811.2	819.7
Switzerland	1 533.4	1 514.5	1 541.3	1 496.9	1 423.4	1 552.5	1 439.4	1 419.2	1 392.4	1 425.1	1 427.6	..
Turkey	1 609.5	1 723.5	1 705.0	1 521.1	1 302.3	1 218.4	1 001.6	976.2	1 230.0	1 351.2	1 202.0	..
United Kingdom	1 506.6	1 560.4	1 616.6	1 794.9	1 687.4	1 456.4	1 465.8	1 617.7	1 710.9	1 772.1
United States	793.1	775.8	795.1	825.7	803.6	786.5	799.6	804.3	794.2	742.2	763.2	..
OECD Europe	1 666.2	1 624.8	1 716.5	1 711.7	1 418.0	1 351.9	1 339.0	1 397.5	1 436.3
OECD Total	1 340.3	1 350.6	1 382.3	1 390.7	1 196.3	1 170.7	1 193.7	1 238.0	1 266.5

* Prices for 3Q2020 are preliminary.

Table 18
Electricity prices for households in USD/toe (NCV basis)

	2011	2012	2013	2014	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020*
Australia	..	3 429.5	3 345.6	3 293.8	2 468.0	2 349.3	2 756.7	2 889.4	2 698.3
Austria	3 170.6	2 952.6	3 161.6	3 103.8	2 575.9	2 591.5	2 580.3	2 677.2	2 574.9	2 570.5	2 569.3	2 718.3
Belgium	3 293.1	3 163.1	3 259.5	3 045.3	2 783.5	3 397.5	3 718.9	3 821.7	3 676.6
Canada	1 220.2	1 214.9	1 206.7	1 147.3	1 077.9	1 236.3	1 267.2	1 314.0	1 308.0
Chile	2 451.1	2 155.6	2 003.6	1 760.9	1 835.5	1 968.5	2 317.8	2 290.5	2 281.3	2 065.3	1 968.3	..
Czech Republic	2 567.1	2 424.6	2 506.7	2 099.9	1 766.4	1 813.6	1 898.4	2 130.3	2 236.2	2 358.3	2 251.7	..
Denmark	4 718.5	4 423.8	4 315.8	4 404.3	3 660.6	3 836.6	3 784.0	4 162.2	3 735.9
Estonia	1 587.8	1 615.6	2 032.1	1 964.0	1 621.4	1 518.0	1 584.7	1 843.7	1 757.8
Finland	2 482.3	2 265.9	2 352.0	2 341.3	1 964.2	1 969.6	2 123.1	2 316.0	2 390.8	2 368.5	2 323.5	..
France	2 169.8	2 066.1	2 264.4	2 367.6	2 094.9	2 118.9	2 178.3	2 352.7	2 315.5
Germany	4 089.9	3 938.9	4 507.3	4 593.6	3 803.3	3 822.9	3 995.2	4 108.0	3 882.7
Greece	2 011.4	2 099.1	2 516.1	2 740.0	2 281.9	2 211.1	2 330.5	2 276.7	2 154.8
Hungary	2 541.1	2 373.9	2 116.3	1 839.7	1 490.0	1 461.6	1 498.4	1 528.4	1 421.2	1 329.7	1 297.3	..
Iceland	1 206.4	1 189.1	1 270.8	1 366.9	1 236.2
Ireland	3 015.1	3 143.2	3 403.0	3 549.7	2 934.6	2 824.1	2 791.5	2 986.2	3 006.2	2 901.1	2 961.8	..
Israel	1 729.7	1 763.0	1 994.1	2 048.5	1 702.5	1 614.9	1 785.4
Italy	3 282.2	3 377.3	3 626.5	3 768.2	3 188.1	3 130.2	3 060.9	3 252.0	3 363.8
Japan	3 191.1	3 378.9	2 956.4	2 945.0	2 617.6	2 596.5	2 634.3	2 778.5	2 948.0	3 178.2
Korea	1 432.7	1 452.4	1 533.7	1 571.1	1 445.5	1 384.3	1 268.8	1 284.3	1 190.8	1 226.9	1 151.9	..
Latvia	2 047.6	1 990.3	2 047.0	2 060.4	2 096.4	2 117.2	2 115.4	2 189.0	2 220.6
Lithuania	2 043.8	1 928.8	2 165.7	2 076.7	1 638.8	1 568.1	1 477.2	1 528.1	1 661.5
Luxembourg	2 569.2	2 433.2	2 421.9	2 556.4	2 192.8	2 105.0	2 016.0	2 225.2	2 245.3
Mexico	1 106.6	1 048.8	1 056.4	1 047.4	875.9	741.1	741.3	731.5
Netherlands	2 764.5	2 770.2	2 990.7	2 935.2	2 406.0	2 042.1	2 065.0	2 452.2	2 904.9	1 891.3	1 826.6	..
New Zealand	2 361.3	2 512.4	2 629.0	2 734.4	2 290.1	2 311.7	2 387.5	2 336.8	2 229.2
Norway	1 982.8	1 581.2	1 726.9	1 478.0	1 099.1	1 214.8	1 311.4	1 582.6	1 461.7	1 038.3	832.6	..
Poland	2 304.8	2 219.4	2 282.6	2 234.4	1 904.7	1 805.3	1 907.1	2 001.6	1 811.5	1 844.5	1 916.5	..
Portugal	2 857.8	3 031.0	3 250.8	3 398.7	2 943.6	2 988.4	2 958.4	3 114.5	2 818.6
Slovak Republic	2 808.9	2 670.2	2 768.0	2 488.1	1 990.7	1 974.7	1 935.4	2 093.8	2 118.9	2 166.0	2 247.5	2 372.2
Slovenia	2 345.6	2 249.3	2 473.9	2 473.5	2 049.7	2 059.4	2 072.6	2 175.6	2 083.4	1 839.3	1 716.8	..
Spain	3 296.3	3 346.2	3 409.5	3 796.8	3 262.2	3 119.9	3 381.2	3 621.7	3 344.9
Sweden	2 882.6	2 604.2	2 716.9	2 493.7	1 983.5	2 025.4	2 073.8	2 278.9	2 269.1
Switzerland	2 589.8	2 374.0	2 368.5	2 433.5	2 394.5	2 363.7	2 373.7	2 465.2	2 465.6	2 531.7	2 540.4	..
Turkey	1 966.0	2 148.3	2 208.8	1 972.0	1 689.2	1 585.8	1 312.5	1 207.6	1 230.8	1 352.1	1 202.8	..
United Kingdom	2 433.4	2 532.3	2 675.1	2 946.6	2 673.9	2 363.8	2 385.9	2 663.0	2 718.7	2 747.8	2 672.2	..
United States	1 362.4	1 381.2	1 409.7	1 455.6	1 471.1	1 459.2	1 498.5	1 496.4	1 516.0	1 499.8	1 534.3	..
OECD Europe	2 840.3	2 763.5	2 961.6	3 029.0	2 577.0	2 520.9	2 578.9	2 749.4	2 689.0
OECD Total	1 988.2	2 039.3	2 064.1	2 076.9	1 896.6	1 876.3	1 933.1	1 983.1	2 009.6

* Prices for 3Q2020 are preliminary.

F. ENERGY END-USE PRICES

in USD/unit

(converted using purchasing power parities)

Table 1
Purchasing power parities

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Australia	1.48	1.44	1.50	1.51	1.54	1.45	1.45	1.47	1.45	1.47	1.45	1.44
Austria	0.85	0.84	0.84	0.83	0.81	0.80	0.80	0.80	0.78	0.77	0.77	0.76
Belgium	0.87	0.85	0.84	0.83	0.82	0.81	0.80	0.80	0.78	0.77	0.77	0.76
Canada	1.23	1.20	1.22	1.24	1.24	1.22	1.23	1.25	1.21	1.20	1.20	1.19
Chile	340	354	360	348	347	350	367	391	410	411	412	416
Czech Republic	13.92	13.63	13.66	13.35	13.30	12.79	12.70	12.93	12.58	12.38	12.40	12.44
Denmark	7.94	7.72	7.59	7.47	7.56	7.35	7.33	7.30	7.08	6.85	6.78	6.67
Estonia	0.55	0.52	0.51	0.51	0.52	0.52	0.53	0.54	0.53	0.53	0.54	0.54
Finland	0.91	0.90	0.90	0.90	0.91	0.91	0.91	0.91	0.88	0.86	0.86	0.85
France	0.88	0.86	0.85	0.84	0.84	0.81	0.81	0.81	0.78	0.77	0.76	0.73
Germany	0.82	0.81	0.80	0.79	0.79	0.77	0.77	0.78	0.75	0.74	0.74	0.74
Greece	0.71	0.70	0.72	0.71	0.68	0.63	0.61	0.61	0.59	0.58	0.57	0.56
Hungary	131	128	126	124	126	125	129	133	132	134	138	141
Iceland	115	122	133	135	137	137	139	142	140	137	137	137
Ireland	0.94	0.90	0.85	0.83	0.82	0.81	0.82	0.81	0.79	0.79	0.79	0.80
Israel	3.87	3.97	3.98	3.94	3.96	3.84	3.94	3.92	3.79	3.75	3.72	3.69
Italy	0.78	0.77	0.77	0.76	0.75	0.74	0.74	0.74	0.70	0.69	0.68	0.67
Japan	117	115	112	107	104	101	103	103	106	105	105	101
Korea	786	825	841	855	855	869	872	857	859	872	871	860
Latvia	0.58	0.52	0.49	0.50	0.51	0.50	0.50	0.50	0.48	0.48	0.49	0.49
Lithuania	0.49	0.47	0.45	0.45	0.45	0.44	0.44	0.45	0.44	0.44	0.45	0.45
Luxembourg	0.90	0.90	0.93	0.91	0.91	0.90	0.88	0.88	0.85	0.84	0.85	0.84
Mexico	7.47	7.43	7.68	7.67	7.86	7.88	8.05	8.33	8.45	8.87	9.13	9.31
Netherlands	0.85	0.85	0.85	0.84	0.82	0.80	0.81	0.81	0.80	0.78	0.78	0.78
New Zealand	1.49	1.47	1.50	1.49	1.50	1.45	1.44	1.48	1.44	1.45	1.45	1.45
Norway	8.86	9.08	9.15	9.08	9.04	9.03	9.28	9.93	10.04	9.92	9.83	9.93
Poland	1.84	1.87	1.80	1.80	1.80	1.76	1.77	1.76	1.73	1.74	1.75	1.75
Portugal	0.64	0.63	0.62	0.62	0.61	0.58	0.58	0.58	0.57	0.57	0.58	0.57
Slovak Republic	0.54	0.52	0.50	0.51	0.50	0.49	0.49	0.49	0.50	0.50	0.51	0.51
Slovenia	0.63	0.64	0.64	0.62	0.61	0.59	0.59	0.60	0.58	0.57	0.57	0.57
Spain	0.73	0.72	0.73	0.71	0.69	0.67	0.66	0.66	0.64	0.63	0.63	0.63
Sweden	8.78	8.91	9.02	8.84	8.65	8.60	8.73	8.85	8.82	8.72	8.83	8.75
Switzerland	1.49	1.47	1.47	1.40	1.35	1.31	1.28	1.24	1.20	1.18	1.17	1.15
Turkey	0.88	0.90	0.92	0.97	1.02	1.07	1.10	1.16	1.24	1.37	1.61	1.84
United Kingdom	0.70	0.71	0.70	0.71	0.70	0.70	0.70	0.69	0.69	0.68	0.69	0.68
United States	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

The source of the purchasing power parity series (PPP) is *National Accounts of OECD Countries* (see the site www.oecd.org/std/ppp/ for more details on PPPs).

For detailed notes on methodology, please refer to the detailed notes on sources and methods at the beginning of Part II.

Table 2
High sulphur fuel oil prices for industry in USD/tonne (using PPPs)

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Australia
Austria	x	x	x	x	x	x	x	x	x	x	x	x
Belgium	x	x	x	x	x	x	x	x	x	x	x	x
Canada	494.3	410.6	465.3	591.8	626.1	604.8	562.8	321.2	281.7	387.9	487.9	497.6
Chile
Czech Republic	538.0	c	c	c	c	c	c	c	c	c	c	c
Denmark
Estonia
Finland
France	431.0	358.4
Germany
Greece
Hungary
Iceland
Ireland	634.0	585.3	753.6	958.7	1 072.8	1 026.2	967.7	762.0	710.3	880.7	760.8	697.1
Israel	c	c	c	c	c	c	c	c	c	c	c	c
Italy
Japan	654.4
Korea	969.6	768.4	857.7	1 071.3	1 217.7	1 030.7	921.7	575.8	464.3	600.4	745.5	737.6
Latvia	281.5	311.2
Lithuania	677.9	576.8	804.0	1 028.5	1 110.5	1 036.7	1 052.1	690.3	702.7	637.5	726.9	821.1
Luxembourg	x	x	x	x	x	x	x	x	x	x	x	x
Mexico	641.7	550.6	677.3	875.0	1 005.4	888.3	828.9	493.2	332.4	546.4	598.0	..
Netherlands	x	x	x	x	x	x	x	x	x	x	x	x
New Zealand	545.1	465.2	549.7	568.6	576.0	570.7	534.3	372.7	301.8	400.2	482.9	472.3
Norway	x	x	x	x	x	x	x	x	x	x	x	x
Poland	636.9	594.9	795.3	1 069.6	1 279.9	1 201.8	1 120.7	688.0	525.2	728.4	890.0	790.5
Portugal	x	x	x	x	x	x	x	x	x	x	x	x
Slovak Republic	x	x	x	x	x	x	x	x	x	x	x	x
Slovenia	x	x	x	x	x	x	x	x	x	x	x	x
Spain
Sweden	x	x	x	x	x	x	x	x	x	x	x	x
Switzerland	x	x	x	x	x	x	x	x	x	x	x	x
Turkey	1 474.7	1 373.7	1 517.0	1 938.9	2 119.0	1 995.6	1 970.7	1 413.9	1 262.5	1 619.7	2 041.7	1 743.1
United Kingdom	x	x	x	x	x	x	x	x	x	x	x	x
United States	558.4	372.3	482.4	669.9	726.5	694.2	646.6	353.2	263.8	359.3	465.2	442.3
OECD Europe
OECD Total

Table 3
Low sulphur fuel oil prices for industry in USD/tonne (using PPPs)

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Australia
Austria	538.1	416.9	539.2	687.9	788.4	727.0	676.6	441.5	394.3	504.6	592.0	596.5
Belgium	488.6	355.3	483.8	621.9	710.3	648.3	602.0	362.3	317.4	428.7	515.6	532.0
Canada
Chile
Czech Republic	630.7	496.7	588.7	700.3	796.3	817.5	792.1	565.4	476.3	535.0	755.9	809.0
Denmark	401.1	344.9	488.1	582.5	713.8	704.4	671.6	489.0	368.1	498.6	673.6	691.2
Estonia
Finland	506.2	413.9	523.4
France	455.6	367.3	481.2	620.9	712.3	680.1	641.7	464.9	438.2	589.5	743.1	777.6
Germany	493.4	388.2	489.1	650.0	720.7	653.3	587.3	357.9	307.5
Greece	623.1	498.9	619.4	806.0	956.1	937.3	905.9	611.3	555.7	710.6	842.2	884.6
Hungary	820.5	697.0	892.1	1 193.0	1 396.1	1 243.2	1 350.3	1 049.3	905.1	986.1	1 347.8	1 197.4
Iceland
Ireland
Israel	c	c	c	c	c	c	c	c	c	c	c	c
Italy	553.5	429.5	569.2	737.7	861.0	778.4	726.8	522.9	449.5	556.4	650.4	720.3
Japan	796.9	452.5	555.7	696.1	744.6	835.0	852.7	601.8	456.4	565.9	708.3	707.3
Korea	1 012.7	753.6	920.3	1 178.4	1 326.5	1 129.9	1 051.3	695.8	579.8	708.8	823.5	856.4
Latvia
Lithuania
Luxembourg
Mexico
Netherlands	468.1	331.5	447.5	591.2	677.8	623.3	614.6	616.6	632.1	766.0	927.4	898.0
New Zealand
Norway
Poland	829.5	772.7	975.3	1 227.8	1 447.6	1 388.5	1 343.9	969.4	787.7	944.7	1 029.9	1 019.6
Portugal	758.7	643.0	790.0	1 112.8	1 248.8	1 220.6	1 168.7	883.3	839.7	1 039.9	1 127.9	1 141.5
Slovak Republic	669.5	455.6	669.4	874.7	1 099.1	1 032.4	971.8	707.4	480.6	664.8	784.1	786.3
Slovenia	761.0	571.7	754.9	953.7	1 135.0	1 105.2	1 115.8	827.8	754.4	906.1	1 038.5	1 161.8
Spain	603.1	457.5	581.8	734.5	865.1	828.9	798.7	519.5	433.7	576.5	673.6	693.9
Sweden	931.0	844.9	923.0	1 053.9	1 122.3	1 080.2	1 034.6	861.5	806.6	902.2	999.6	1 035.7
Switzerland	453.4	332.3	443.0	530.8	581.9	563.1
Turkey
United Kingdom	c	c	c	c	c	c	c	c	c	c	c	c
United States
OECD Europe	566.7	447.1	565.9	723.4	816.0	756.6	696.4	462.0	432.3
OECD Total

Table 4
Heavy fuel oil prices for electricity generation in USD/tonne (using PPPs)

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Australia
Austria	274.0	180.0	332.3	394.2	615.5	324.7	435.6	414.6	215.2	165.8	330.8	323.5
Belgium	x	x	x	x	x	x	x	x	x	x	x	x
Canada	239.7	279.8	360.0	430.5	534.3	559.0
Chile
Czech Republic	538.0	c	c	c	c	c	c	c	c	c	c	c
Denmark
Estonia
Finland	432.7	339.1	449.1
France
Germany	477.0	373.3	472.2	..	c	c	c	c	c	c	c	c
Greece
Hungary	x	x	x	x	x	x	x	x	x	x	x	x
Iceland
Ireland	410.0
Israel	555.2	404.1	465.0	696.9	784.4	x	x	x	x	x	x	x
Italy	c	c	c	c	c	c	c	c	c	c	c	c
Japan
Korea
Latvia
Lithuania
Luxembourg
Mexico	662.9	550.6	678.5	871.2	1 008.6	891.2	829.5	496.4	302.3	565.9	650.2	..
Netherlands
New Zealand	c	c	c	c	c	c	c	c	c	c	c	c
Norway	x	x	x	x	x	x	x	x	x	x	x	x
Poland	687.7	658.4	844.0	1 107.2	1 294.8	1 193.1	1 098.1	719.8	618.2	814.9	952.0	834.3
Portugal	514.3	386.3	x	x	x	x	x	x	x	x	x	x
Slovak Republic	x	x	x	x	x	x	x	x	x	x	x	x
Slovenia
Spain
Sweden
Switzerland
Turkey	1 474.7	1 373.7	1 517.0	1 938.9	2 119.0	1 995.6	1 970.7	1 413.9	1 262.5	1 619.7	2 041.7	1 743.1
United Kingdom	415.2	366.5	582.6	712.3	770.9	726.1	635.1	442.4	377.4	436.6	541.8	560.5
United States	572.7	381.2	528.6	766.4	881.6	809.0	803.3	433.9	354.2	461.2	540.9	532.8
OECD Europe
OECD Total

Table 5
Light fuel oil prices for industry in USD/1000 litres (using PPPs)

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Australia
Austria	551.9	506.9	695.7	773.6	835.8	773.0	775.2	734.4	666.6	671.9	745.2	735.4
Belgium	724.7	483.1	626.9	806.7	898.0	864.8	806.5	594.2	510.8	605.7	728.1	735.0
Canada	753.4	492.3	564.4	732.7	746.4	766.8	769.3	561.1	494.4	565.8	718.2	689.8
Chile
Czech Republic	1 139.2	802.2	991.7	1 250.5	1 395.7	1 413.3	1 380.3	1 030.2	851.4	997.4	1 156.2	1 141.9
Denmark	670.2	517.1	709.9	893.5	896.3	914.5	866.9	733.5	633.7	715.1	878.1	905.0
Estonia	1 243.6	935.3	1 206.9	1 532.5	1 646.7	1 589.5	1 492.8	1 204.1	991.3	1 110.4	1 294.0	1 350.9
Finland	754.2	546.9	704.9	967.8	1 014.0	983.8	906.1	748.0	697.7	821.1	936.0	935.9
France	738.2	506.7	662.0	837.8	928.4	913.9	830.4	665.5	614.2	733.3	931.1	991.1
Germany	779.0	543.4	673.2	843.3	926.5	877.2	804.8	593.8	510.2	608.3	746.2	728.2
Greece	1 044.2	842.3	939.5	1 246.0	1 611.2	1 633.9	1 580.9	1 195.8	1 089.7	1 311.3	1 412.7	1 427.5
Hungary
Iceland
Ireland	740.3	560.3	783.5	986.5	1 090.9	1 068.4	956.9	643.5	637.5	702.2	811.7	790.4
Israel	c	c	c	c	c	c	c	c	c	c	c	c
Italy	1 312.1	1 126.6	1 263.8	1 484.0	1 607.9	1 587.9	1 528.2	1 295.8	1 280.8	1 394.6	1 525.4	1 596.6
Japan	695.2	470.7	539.2	663.0	731.5	857.6	876.8	626.4	482.5	592.6	735.0	734.9
Korea	1 573.1	1 170.4	1 268.0	x	x	x	x	x	x	x	x	x
Latvia	1 206.2	863.8	1 200.2	1 506.2	1 617.1	1 528.7	1 454.9	1 141.8	994.2	1 161.6	1 290.9	1 324.0
Lithuania	1 250.0	871.4	1 162.9	1 472.2	1 599.1	1 521.1	1 409.6	1 061.0	872.5	1 063.5	1 203.6	1 177.5
Luxembourg	713.5	471.8	580.7	740.9	814.1	781.0	736.7	554.6	488.6	572.1	680.5	665.9
Mexico	725.3	641.9	787.8	1 039.2	1 108.1	1 120.0	1 104.8	535.7	414.8	752.3	974.6	..
Netherlands	800.1	834.8	892.3	1 025.9	1 055.6	1 045.7	942.4	1 070.9	1 158.1	1 158.8
New Zealand	631.7	475.2	534.3	657.2	647.9	641.9	594.5	429.5	361.0	469.4	595.9	543.6
Norway	806.4	631.8	717.3	819.9	895.2	873.4	948.1	791.0	746.0	807.0	910.4	960.3
Poland	1 263.2	1 008.0	1 258.0	1 622.9	1 810.3	1 749.1	1 660.5	1 342.9	1 227.3	1 355.2	1 555.2	1 537.6
Portugal
Slovak Republic	1 353.7	748.0	1 088.3	1 503.3	1 653.5	1 684.7	1 628.4	1 224.3	899.9	x	x	x
Slovenia	1 041.0	728.1	950.5	1 218.6	1 399.8	1 409.9	1 401.4	1 167.1	1 036.0	1 166.4	1 354.0	1 384.1
Spain	964.7	664.6	812.4	1 021.4	1 148.8	1 116.5	1 069.4	825.8	726.9	858.6	988.0	1 016.5
Sweden	670.9	482.9	563.0	749.7	813.9	777.5	741.4	691.3	691.0	792.2	998.5	1 042.3
Switzerland	640.3	388.2	501.0	609.8	671.5	667.3	688.7	523.3	504.0	577.6	730.9	702.0
Turkey
United Kingdom	732.4	594.2	731.7	895.0	935.9	925.3	835.9	634.3	591.2	704.7	811.3	782.8
United States	725.6	437.7	567.1	768.0	800.8	783.7	724.3	413.5	327.4	422.6	528.9	500.7
OECD Europe	842.6	634.2	793.4	970.8	1 039.4	1 012.6	968.0	768.7	701.3	811.6	938.2	952.6
OECD Total	779.1	528.7	655.0	816.6	854.8	870.5	806.6	557.9	464.9	573.0	700.2	678.2

Table 6
Light fuel oil prices for households in USD/1000 litres (using PPPs)

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Australia
Austria	1 017.1	735.2	893.1	1 108.7	1 228.8	1 187.9	1 116.5	893.7	787.5	890.6	1 050.0	1 042.1
Belgium	876.9	584.6	758.5	976.1	1 086.6	1 046.4	975.8	719.0	618.0	732.9	881.0	889.3
Canada	918.9	652.8	739.5	909.8	945.9	982.8	1 018.5	841.5	794.9	810.8	960.6	935.3
Chile	1 743.5	1 302.9	1 345.5	1 683.1	1 754.9	1 789.1	1 921.0	1 592.8	1 364.1	1 349.8	1 591.1	1 602.1
Czech Republic	1 482.5	1 084.2	1 340.7	1 654.8	1 829.6	1 879.1	1 840.2	1 413.6	1 201.9	1 381.4	1 573.4	1 555.4
Denmark	1 091.9	907.7	1 171.8	1 387.2	1 472.5	1 573.3	1 523.1	1 251.6	1 140.1	1 255.4	1 465.2	1 509.1
Estonia	1 467.5	1 112.7	1 448.3	1 839.0	1 976.0	1 907.4	1 791.4	1 444.9	1 189.6	1 332.5	1 552.7	1 621.1
Finland	920.1	667.2	863.5	1 190.4	1 247.2	1 219.9	1 123.6	927.5	865.1	1 018.1	1 160.7	1 157.5
France	948.6	666.6	834.7	1 054.5	1 147.8	1 142.7	1 066.8	879.2	812.0	963.7	1 205.7	1 269.3
Germany	927.0	646.6	801.1	1 034.8	1 128.5	1 077.4	1 000.4	761.0	653.7	770.0	936.8	917.3
Greece	1 242.5	1 002.3	1 143.9	1 229.0	1 665.6	2 009.7	1 944.5	1 470.8	1 344.0	1 626.0	1 751.8	1 770.1
Hungary	x	x	x	x	x	x	x	x	x	x	x	x
Iceland	892.4	794.3	854.4	1 046.1	1 169.5	1 134.0	1 029.3	840.3
Ireland	927.7	727.7	977.7	1 219.0	1 338.5	1 314.5	1 187.0	832.4	723.6	797.0	921.3	897.1
Israel	1 572.7	1 303.8	1 495.3	1 838.9	1 985.0	1 955.2	1 851.1	1 587.4	1 518.3	1 582.3	1 733.2	1 704.2
Italy	1 574.5	1 351.9	1 516.6	1 785.1	1 945.6	1 927.0	1 864.4	1 580.9	1 562.6	1 701.4	1 861.0	1 947.8
Japan	908.1	579.1	682.9	842.3	879.4	976.6	1 020.8	793.7	608.3	740.7	878.0	895.9
Korea	1 576.5	1 183.9	1 279.6	1 546.0	1 630.7	1 572.6	1 487.3	1 105.0	913.3	978.6	1 082.2	1 117.9
Latvia	1 423.3	1 045.2	1 452.3	1 837.6	1 965.2	1 849.7	1 760.4	1 381.6	1 203.0	1 405.5	1 561.9	1 602.0
Lithuania	1 475.0	1 042.4	1 407.2	1 781.4	1 934.9	1 840.5	1 705.6	1 283.9	1 055.7	1 286.9	1 456.3	1 424.7
Luxembourg	785.4	514.7	637.0	816.2	898.2	861.0	811.2	618.0	542.3	637.4	761.0	744.3
Mexico	x	x	x	x	x	x	x	x	x	x	x	x
Netherlands	1 146.7	786.8	952.1	993.4	1 065.6	1 241.4	1 277.3	1 265.3	1 140.3	1 295.8	1 401.3	1 402.1
New Zealand
Norway	1 008.1	789.8	896.7	1 024.9	1 119.0	1 091.8	1 185.2	988.8	932.5	1 008.7	1 138.0	1 200.4
Poland	1 626.2	1 338.3	1 600.5	2 043.8	2 304.9	2 222.3	2 115.0	1 720.4	1 509.4	1 681.2	1 894.7	1 925.4
Portugal	1 474.9	1 087.5	1 326.4	1 694.8	2 136.2	2 205.7	2 153.6	1 816.5	1 688.4	1 831.6	2 003.1	2 098.3
Slovak Republic
Slovenia	1 249.1	873.7	1 140.6	1 462.3	1 679.7	1 706.0	1 709.8	1 423.8	1 264.0	1 423.0	1 651.9	1 688.6
Spain	1 119.1	771.0	954.6	1 205.3	1 366.4	1 351.0	1 294.0	999.3	879.6	1 038.9	1 195.5	1 229.9
Sweden	1 359.2	1 171.0	1 267.8	1 459.3	1 589.5	1 550.5
Switzerland	734.1	469.1	583.0	701.5	767.3	765.4	772.4	600.7	582.1	668.9	826.1	788.7
Turkey	3 029.4	2 535.0	2 674.6	3 143.2	3 192.9	3 227.8	3 291.2	2 677.3	2 446.4	2 834.7	3 284.9	3 013.6
United Kingdom	833.0	620.2	771.5	964.5	1 008.5	1 003.7	891.7	661.5	618.5	739.8	864.3	865.0
United States	892.0	698.3	819.9	1 019.1	1 049.3	1 048.4	1 029.9	734.2	582.8	694.8	834.6	831.2
OECD Europe	1 001.4	726.4	876.4	1 105.7	1 213.9	1 172.2	1 109.5	880.1	781.1	904.6	1 086.5	1 094.9
OECD Total	976.8	708.5	840.7	1 051.3	1 129.4	1 120.4	1 083.9	840.1	716.9	829.7	989.5	996.7

Table 7
Automotive diesel oil prices for commercial use in USD/litre (using PPPs)

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Australia
Austria	0.898	0.763	0.992	1.106	1.198	1.239	1.189	1.141	1.093	1.112	1.182	1.216
Belgium	1.194	0.993	1.188	1.431	1.540	1.513	1.462	1.264	1.256	1.420	1.615	1.665
Canada	0.878	0.611	0.677	0.838	0.838	0.865	0.911	0.696	0.624	0.729	0.888	0.843
Chile
Czech Republic	1.917	1.617	1.873	2.140	2.285	2.336	2.361	1.993	1.799	1.970	2.104	2.104
Denmark	0.957	0.810	0.950	1.121	1.172	1.232	1.168	1.023	0.979	1.083	1.208	1.227
Estonia	1.781	1.474	1.800	2.066	2.195	2.110	2.002	1.671	1.632	1.837	2.009	2.034
Finland	1.136	0.907	1.025	1.239	1.382	1.342	1.312	1.150	1.087	1.208	1.305	1.339
France	1.204	0.971	1.121	1.327	1.383	1.391	1.329	1.190	1.177	1.337	1.583	1.638
Germany	1.365	1.131	1.281	1.518	1.591	1.550	1.489	1.284	1.228	1.339	1.493	1.475
Greece	1.431	1.147	1.405	1.661	1.793	1.772	1.765	1.547	1.462	1.756	1.950	1.988
Hungary	1.963	1.721	2.035	2.444	2.720	2.682	2.529	2.127	1.983	2.093	2.260	2.231
Iceland
Ireland	1.113	0.936	1.172	1.405	1.536	1.520	1.443	1.259	1.178	1.278	1.384	1.351
Israel	c	c	c	c	c	c	c	c	c	c	c	c
Italy	1.429	1.169	1.311	1.587	1.885	1.855	1.784	1.561	1.500	1.652	1.787	1.808
Japan	0.986	0.693	0.821	0.978	1.036	1.147	1.167	0.911	0.778	0.879	1.028	1.035
Korea
Latvia	1.610	1.462	1.823	2.102	2.212	2.161	2.087	1.760	1.624	1.787	1.999	2.005
Lithuania	1.877	1.584	1.868	2.261	2.430	2.464	2.362	1.980	1.787	1.926	2.104	2.076
Luxembourg	1.071	0.815	0.937	1.121	1.205	1.183	1.146	0.989	0.927	1.008	1.107	1.115
Mexico	0.732	0.912	0.969	1.078	1.166	1.296	1.421	1.467	1.430	1.607	1.788	..
Netherlands	1.275	0.988	1.152	1.355	1.466	1.471	1.437	1.256	1.185	1.296	1.414	1.428
New Zealand	0.867	0.616	0.659	0.791	0.790	0.793	0.731	0.551	0.435	0.544	0.731	0.703
Norway	1.108	0.945	1.029	1.118	1.170	1.166	1.130	0.985	0.929	1.087	1.209	1.199
Poland	1.877	1.599	1.935	2.273	2.564	2.526	2.395	2.063	1.939	2.072	2.279	2.346
Portugal	1.816	1.467	1.693	1.996	2.172	2.157	2.041	1.841	1.798	1.958	2.104	2.179
Slovak Republic	2.161	1.804	1.892	2.215	2.387	2.384	2.330	1.947	1.747	1.899	2.076	2.052
Slovenia	1.484	1.305	1.502	1.660	1.870	1.930	1.873	1.620	1.529	1.699	1.841	1.813
Spain	1.342	1.093	1.264	1.507	1.651	1.664	1.630	1.387	1.304	1.444	1.567	1.603
Sweden	1.217	1.035	1.106	1.267	1.360	1.354	1.320	1.201	1.206	1.308	1.413	1.430
Switzerland	1.178	0.925	0.996	1.121	1.200	1.204	1.170	1.020	0.956	1.048	1.183	1.158
Turkey	3.265	2.870	3.326	3.808	3.940	4.064	3.956	3.339	3.116	3.417	3.589	3.474
United Kingdom	1.427	1.274	1.446	1.637	1.684	1.683	1.592	1.383	1.333	1.468	1.576	1.610
United States	1.003	0.651	0.791	1.016	1.049	1.036	1.011	0.715	0.610	0.701	0.841	0.807
OECD Europe	1.453	1.213	1.401	1.646	1.798	1.803	1.750	1.547	1.490	1.654	1.815	1.827
OECD Total	1.222	0.964	1.119	1.342	1.447	1.453	1.433	1.206	1.143	1.276	1.420	1.403

Table 8
Automotive diesel oil prices for non-commercial use in USD/litre (using PPPs)

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Australia	1.077	0.932	0.850	0.982	0.972	1.052	1.068	0.875	0.812	0.884	1.031	1.018
Austria	1.449	1.155	1.314	1.600	1.733	1.702	1.627	1.403	1.326	1.435	1.596	1.587
Belgium	1.444	1.202	1.438	1.731	1.863	1.831	1.769	1.530	1.520	1.718	1.954	2.015
Canada	1.013	0.746	0.826	1.004	1.008	1.050	1.090	0.875	0.809	0.915	1.075	1.031
Chile	1.750	1.198	1.341	1.665	1.747	1.756	1.818	1.306	1.055	1.182	1.409	1.424
Czech Republic	2.281	1.925	2.247	2.568	2.742	2.826	2.856	2.412	2.177	2.383	2.546	2.546
Denmark	1.196	1.013	1.188	1.401	1.464	1.540	1.460	1.278	1.223	1.354	1.510	1.533
Estonia	2.102	1.753	2.160	2.479	2.634	2.532	2.403	2.006	1.959	2.204	2.410	2.441
Finland	1.386	1.107	1.256	1.523	1.700	1.664	1.627	1.426	1.347	1.498	1.619	1.660
France	1.440	1.162	1.340	1.588	1.654	1.663	1.595	1.428	1.412	1.605	1.899	1.966
Germany	1.624	1.345	1.524	1.807	1.893	1.845	1.772	1.528	1.461	1.594	1.776	1.755
Greece	1.703	1.365	1.709	2.043	2.205	2.180	2.171	1.903	1.805	2.177	2.418	2.465
Hungary	2.355	2.109	2.544	3.056	3.455	3.407	3.212	2.702	2.519	2.658	2.871	2.834
Iceland
Ireland	1.347	1.132	1.419	1.699	1.889	1.869	1.775	1.549	1.449	1.572	1.703	1.662
Israel	1.792	1.545	1.658	1.931	2.002	1.985	1.888	1.623	1.528	1.623	1.803	1.799
Italy	1.715	1.403	1.574	1.909	2.281	2.249	2.176	1.904	1.831	2.015	2.180	2.206
Japan	1.202	0.899	1.010	1.173	1.220	1.335	1.377	1.131	0.967	1.065	1.227	1.250
Korea	2.055	1.695	1.787	2.043	2.113	1.990	1.877	1.516	1.377	1.471	1.598	1.558
Latvia	1.899	1.769	2.205	2.565	2.688	2.615	2.525	2.129	1.965	2.162	2.419	2.426
Lithuania	2.215	1.895	2.261	2.736	2.940	2.981	2.859	2.395	2.163	2.331	2.545	2.512
Luxembourg	1.232	0.937	1.078	1.289	1.386	1.361	1.318	1.157	1.085	1.179	1.299	1.305
Mexico	0.834	1.037	1.112	1.237	1.339	1.489	1.642	1.696	1.659	1.902	2.075	..
Netherlands	1.518	1.176	1.371	1.612	1.751	1.780	1.739	1.520	1.434	1.568	1.711	1.728
New Zealand	0.976	0.693	0.784	1.000	1.004	1.018	0.981	0.775	0.703	0.812	0.989	0.998
Norway	1.386	1.181	1.286	1.397	1.463	1.457	1.412	1.232	1.161	1.359	1.512	1.499
Poland	2.290	1.951	2.360	2.796	3.153	3.107	2.946	2.537	2.385	2.548	2.803	2.886
Portugal	1.985	1.600	1.851	2.202	2.396	2.379	2.251	2.030	1.984	2.160	2.321	2.404
Slovak Republic	2.572	2.149	2.250	2.657	2.864	2.860	2.796	2.336	2.096	2.278	2.491	2.463
Slovenia	1.781	1.566	1.803	1.992	2.244	2.336	2.285	1.977	1.866	2.073	2.246	2.211
Spain	1.557	1.269	1.479	1.778	1.963	2.013	1.972	1.678	1.577	1.747	1.897	1.939
Sweden	1.522	1.294	1.383	1.584	1.700	1.692	1.649	1.501	1.507	1.635	1.767	1.787
Switzerland	1.356	1.087	1.175	1.333	1.428	1.441	1.418	1.257	1.208	1.342	1.492	1.519
Turkey	3.265	2.870	3.326	3.808	3.940	4.064	3.956	3.339	3.116	3.417	3.589	3.474
United Kingdom	1.674	1.465	1.699	1.965	2.021	2.019	1.911	1.660	1.599	1.761	1.892	1.932
United States	1.003	0.651	0.791	1.016	1.049	1.036	1.011	0.715	0.610	0.701	0.841	0.807
OECD Europe	1.709	1.422	1.646	1.946	2.123	2.126	2.063	1.814	1.744	1.938	2.131	2.147
OECD Total	1.403	1.122	1.285	1.537	1.653	1.654	1.631	1.374	1.301	1.446	1.604	1.586

Table 9
Regular unleaded gasoline prices in USD/litre (using PPPs)

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Australia	0.952	0.891	0.838	0.946	0.930	1.005	1.011	0.870	0.806	0.878	0.987	0.987
Austria	1.411	1.237	1.411	1.633	1.780	1.743	1.685	1.500	1.425	1.523	1.648	1.628
Belgium	x	x	x	x	x	x	x	x	x	x	x	x
Canada	0.924	0.786	0.848	0.999	1.025	1.047	1.043	0.872	0.852	0.951	1.075	1.012
Chile	1.796	1.419	1.721	2.059	2.201	2.233	2.320	1.828	1.652	1.724	1.892	1.868
Czech Republic	2.142	1.973	2.306	2.535	2.718	2.779
Denmark	1.285	1.226	1.409	1.592	1.664	1.715	1.647	1.514	1.472	1.625	1.741	1.713
Estonia
Finland	x	x	x	x	x	x	x	x	x	x	x	x
France	x	x	x	x	x	x	x	x	x	x	x	x
Germany	1.706	1.598	1.760	..	x	x	x	x	x	x	x	x
Greece	x	x	x	x	x	x	x	x	x	x	x	x
Hungary	x	x	x	x	x	x	x	x	x	x	x	x
Iceland
Ireland	x	x	x	x	x	x	x	x	x	x	x	x
Israel	x	x	x	x	x	x	x	x	x	x	x	x
Italy	x	x	x	x	x	x	x	x	x	x	x	x
Japan	1.343	1.044	1.190	1.357	1.409	1.540	1.581	1.330	1.143	1.267	1.431	1.439
Korea	2.154	1.941	2.034	2.258	2.323	2.214	2.096	1.762	1.633	1.711	1.816	1.712
Latvia
Lithuania
Luxembourg
Mexico	0.968	1.026	1.072	1.196	1.298	1.445	1.569	1.586	1.583	1.796	1.955	..
Netherlands	x	x	x	x	x	x	x	x	x	x	x	x
New Zealand	1.215	1.090	1.182	1.385	1.400	1.454	1.447	1.277	1.223	1.297	1.449	1.444
Norway	x	x	x	x	x	x	x	x	x	x	x	x
Poland	x	x	x	x	x	x	x	x	x	x	x	x
Portugal	x	x	x	x	x	x	x	x	x	x	x	x
Slovak Republic
Slovenia
Spain	x	x	x	x	x	x	x	x	x	x	x	x
Sweden	x	x	x	x	x	x	x	x	x	x	x	x
Switzerland	x	x	x	x	x	x	x	x	x	x	x	x
Turkey	x	x	x	x	x	x	x	x	x	x	x	x
United Kingdom	x	x	x	x	x	x	x	x	x	x	x	x
United States	0.859	0.622	0.735	0.932	0.958	0.926	0.889	0.640	0.568	0.639	0.720	0.686
OECD Europe
OECD Total	0.979	0.774	0.878	1.035	1.070	1.071	1.045	0.820	0.746	0.832	0.935	0.821

Table 10
Premium unleaded (98 RON) gasoline prices in USD/litre (using PPPs)

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Australia	x	x
Austria	1.556	1.416	1.578	1.815	1.976	1.935	1.869	1.682	1.619	1.725	1.848	1.837
Belgium	1.704	1.574	1.771	1.962	2.116	2.116	2.054	1.871	1.794	1.923	2.015	2.027
Canada	1.006	0.875	0.942	1.098	1.123	1.155	1.164	1.001	0.987	1.096	1.227	1.179
Chile	1.904	1.533	1.833	2.174	2.337	2.372	2.469	2.024	1.812	1.893	2.034	2.020
Czech Republic	2.334	2.144	2.474	2.731	2.909	2.996	3.025	2.636	2.496	2.667	2.874	2.870
Denmark	1.329	1.278	1.460	1.643	1.721	1.773	x	x	x	x	x	x
Estonia
Finland	1.604	1.476	1.630	1.802	1.889	1.851	1.826	1.679	1.641	1.781	1.856	1.907
France	1.578	1.443	1.618	1.826	1.917	1.965	1.911	1.750	1.746	1.883	2.078	2.145
Germany	1.791	1.683	1.840	2.035	2.134	2.106	2.035	1.841	1.803	1.948	2.075	2.056
Greece	x	x	x	x	x	x	x	x	x	x	x	x
Hungary
Iceland
Ireland
Israel	x	x	x	x	x	x	x	x	x	x	x	x
Italy
Japan	x	x	x	x	x	x	x	x	x	x	x	x
Korea
Latvia
Lithuania
Luxembourg	1.328	1.171	1.286	1.456	1.563	1.552	1.513	1.405	1.356	1.449	1.509	1.447
Mexico	x	x	x	x	x	x	x	x	x	x	x	x
Netherlands	1.869	1.648
New Zealand	x	x	x	x	x	x	x	x	x	x	x	x
Norway	1.439	1.338	1.435	1.559	1.689	x	x	x	x	x	x	x
Poland	2.462	2.342	2.667	2.976	3.295	3.258	3.141	2.797	2.714	2.843	3.004	3.058
Portugal	2.332	2.101	2.306	2.590	2.843	2.846	2.779	2.547	2.557	2.670	2.805	2.782
Slovak Republic	..	x	x	x	x	x	x	x	x	x	x	x
Slovenia	1.718	1.660	1.924	2.090	2.463	2.560	2.501	2.246	2.179	2.407	2.542	2.501
Spain
Sweden	1.484	1.409	1.482	1.636	1.786	1.743	1.706	1.584	1.570	1.698	1.845	1.905
Switzerland	1.232	1.062	1.153	1.276	1.371	1.394	1.387	1.259	1.231	1.350	1.474	1.471
Turkey
United Kingdom	1.618	1.490	1.765	1.991	2.036	2.039	1.934	1.718	1.711	1.861	1.967	2.002
United States	0.923	0.684	0.798	0.996	1.029	1.010	0.980	0.746	0.691	0.771	0.870	0.859
OECD Europe	1.723	1.596	1.792
OECD Total	1.057	0.841	0.948	1.148	1.187	1.168	1.134	0.903	0.853	0.945	1.051	1.040

Table 11
Premium unleaded (95 RON) gasoline prices in USD/litre (using PPPs)

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Australia	1.011	0.956	0.909	1.016	1.005	1.079	1.085	0.951	0.911	0.961	1.071	1.081
Austria	1.415	1.239	1.412	1.634	1.781	1.746	1.688	1.504	1.430	1.529	1.649	1.629
Belgium	1.680	1.549	1.741	1.929	2.077	2.048	1.994	1.787	1.712	1.843	1.921	1.951
Canada	0.992	0.861	0.927	1.084	1.109	1.153	1.163	0.960	0.945	1.056	1.187	1.133
Chile	1.849	1.470	1.766	2.109	2.264	2.292	2.386	1.920	1.724	1.794	1.953	1.935
Czech Republic	2.179	2.001	2.332	2.593	2.760	2.830	2.844	2.424	2.274	2.449	2.586	2.519
Denmark	1.292	1.234	1.415	1.596	1.668	1.719	1.650	1.517	1.475	1.628	1.745	1.782
Estonia	1.912	1.781	2.171	2.423	2.611	2.510	2.408	2.051	2.009	2.224	2.455	2.463
Finland	1.560	1.434	1.588	1.739	1.829	1.801	1.764	1.605	1.555	1.692	1.756	1.802
France	1.538	1.400	1.574	1.783	1.856	1.895	1.840	1.678	1.668	1.795	1.993	2.057
Germany	1.710	1.598	1.761	1.978	2.097	2.062	1.998	1.801	1.731	1.853	1.976	1.950
Greece	1.568	1.426	1.967	2.317	2.528	2.655	2.669	2.400	2.349	2.603	2.787	2.833
Hungary	2.241	2.230	2.677	3.081	3.396	3.340	3.141	2.701	2.525	2.637	2.767	2.713
Iceland	1.394	1.451	1.554	1.750	1.881	1.856	1.774	1.513
Ireland	1.297	1.221	1.533	1.782	1.965	1.961	1.864	1.688	1.611	1.726	1.826	1.764
Israel	1.642	1.497	1.658	1.883	1.961	1.990	1.895	1.633	1.587	1.636	1.754	1.712
Italy	1.762	1.601	1.766	2.050	2.389	2.372	2.315	2.083	2.061	2.226	2.343	2.347
Japan
Korea	..	2.169	2.272	2.500	2.613	2.550	2.480	2.188	2.046	2.094	2.156	2.077
Latvia	1.776	1.845	2.253	2.577	2.759	2.697	2.585	2.263	2.211	2.379	2.577	2.545
Lithuania	2.087	2.175	2.612	2.926	3.114	3.097	2.971	2.587	2.425	2.563	2.688	2.639
Luxembourg	1.308	1.147	1.257	1.423	1.524	1.491	1.459	1.333	1.283	1.375	1.440	1.509
Mexico	1.201	1.270	1.278	1.343	1.385	1.522	1.662	1.693	1.682	1.996	2.116	..
Netherlands	1.813	1.584	1.761	1.961	2.133	2.175	2.107	1.924	1.856	1.994	2.073	2.098
New Zealand	1.259	1.142	1.244	1.451	1.471	1.538	1.543	1.371	1.330	1.407	1.551	1.555
Norway	1.414	1.309	1.388	1.505	1.647	1.631	1.593	1.382	1.349	1.475	1.583	1.580
Poland	2.333	2.208	2.522	2.843	3.171	3.108	2.984	2.623	2.515	2.642	2.818	2.859
Portugal	2.182	1.971	2.204	2.481	2.711	2.706	2.633	2.447	2.417	2.544	2.659	2.630
Slovak Republic	2.393	2.171	2.493	2.868	3.080	3.065	3.057	2.659	2.440	2.593	2.725	2.657
Slovenia	1.685	1.629	1.886	2.069	2.432	2.519	2.451	2.162	2.070	2.237	2.322	2.272
Spain	1.526	1.396	1.603	1.847	2.049	2.121	2.094	1.847	1.791	1.933	2.032	2.071
Sweden	1.435	1.368	1.445	1.580	1.715	1.670	1.626	1.494	1.474	1.601	1.742	1.808
Switzerland	1.196	1.026	1.117	1.240	1.335	1.351	1.343	1.205	1.175	1.278	1.398	1.390
Turkey	3.647	3.455	4.003	4.343	4.415	4.471	4.371	3.880	3.677	3.887	3.913	3.715
United Kingdom	1.526	1.400	1.666	1.888	1.930	1.929	1.825	1.605	1.581	1.724	1.822	1.835
United States	0.891	0.654	0.766	0.963	0.994	0.968	0.937	0.697	0.633	0.709	0.808	0.791
OECD Europe	1.705	1.578	1.797	2.026	2.180	2.182	2.122	1.906	1.856	2.000	2.125	2.129
OECD Total	1.079	0.909	1.016	1.211	1.256	1.246	1.223	1.002	0.945	1.048	1.158	1.071

Table 12
Automotive LPG prices for commercial use in USD/litre (using PPPs)

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Australia
Austria
Belgium	0.543	0.450	0.583	0.657	0.722	0.689	0.616	0.468	0.434	0.525	0.589	0.558
Canada
Chile	x	x	x	x	x	x	x	x	x	x
Czech Republic	0.958	0.784	0.892	1.071	1.113	1.124	1.140	0.936	0.815	0.928	0.978	0.940
Denmark
Estonia	1.016	0.883	1.026	1.241	1.234	1.177	1.061	0.841	0.801	0.888	0.989	0.959
Finland	x	x	x	x	x	x	x	x	x	x	x	x
France	0.723	0.655	0.720	0.848	0.874	0.899	0.884	0.813	0.757	0.805	0.903	0.975
Germany	0.657	0.609	0.652	0.784	0.833	0.800	0.756	0.617	0.561	0.625	0.680	0.691
Greece
Hungary
Iceland
Ireland
Israel
Italy	0.724	0.607	0.713	0.827	0.910	0.901	0.853	0.681	0.659	0.756	0.809	0.773
Japan	0.743	0.597	0.671	0.861	0.882	0.730	0.637	0.733	0.763	0.767
Korea
Latvia	0.884	0.821	0.920	0.998	1.009	0.962	0.982	0.910	0.869	0.911	0.907	0.931
Lithuania	0.943	0.896	1.073	1.213	1.244	1.234	1.235	0.984	0.901	1.026	1.043	0.964
Luxembourg	0.558	0.461	0.560	0.629	0.679	0.630	0.592	0.471	0.455	0.533	0.577	0.529
Mexico
Netherlands	0.670	0.573	0.634	0.704	0.780	0.758	0.769	0.632	0.593	0.672	0.726	0.666
New Zealand
Norway
Poland	0.966	0.807	1.007	1.174	1.255	1.150	1.179	0.904	0.848	0.971	1.035	0.989
Portugal
Slovak Republic	0.811	0.441	0.644	0.957	0.991	0.937	0.986	0.732	0.647	0.754	0.804	0.766
Slovenia	0.886	0.702	0.897	1.012	1.102	1.086	1.053	0.846	0.805	0.927	0.949	0.889
Spain	0.679	0.573	0.708	0.826	0.904	0.937	0.928	0.779	0.766	0.826	0.885	0.933
Sweden
Switzerland
Turkey	1.996	1.868	2.226	2.414	2.490	2.549	2.482	2.066	2.033	2.222	2.249	2.035
United Kingdom
United States
OECD Europe
OECD Total

Table 13
Automotive LPG prices for non-commercial use in USD/litre (using PPPs)

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Australia	0.437	0.416	0.391	0.466	0.466	0.498	0.541	0.400	0.423	0.490	0.548	0.506
Austria
Belgium	0.657	0.545	0.705	0.794	0.874	0.834	0.745	0.567	0.526	0.635	0.712	0.675
Canada	0.585	0.499	0.548	0.578	0.585	0.584	0.641	0.474	0.477	0.594	0.730	0.750
Chile	x	x	x	x	x	x	x	x	x	x
Czech Republic	1.140	0.933	1.070	1.285	1.335	1.360	1.379	1.133	0.986	1.123	1.184	1.137
Denmark
Estonia	1.199	1.050	1.230	1.488	1.481	1.412	1.273	1.009	0.962	1.066	1.187	1.151
Finland	x	x	x	x	x	x	x	x	x	x	x	x
France	0.864	0.784	0.860	1.014	1.044	1.076	1.061	0.975	0.909	0.966	1.083	1.170
Germany	0.781	0.724	0.776	0.933	0.991	0.953	0.900	0.734	0.668	0.743	0.809	0.822
Greece
Hungary	1.372	1.224	1.456	1.765	1.974	2.191	2.041	1.639	1.484	1.587	1.692	1.654
Iceland
Ireland
Israel
Italy	0.868	0.728	0.856	0.995	1.101	1.093	1.040	0.830	0.804	0.922	0.987	0.942
Japan	0.818	0.669	0.746	0.950	0.996	0.843	0.744	0.846	0.877	0.933
Korea	1.284	1.005	1.132	1.259	1.289	1.232	1.206	0.941	0.855	0.948	1.004	0.937
Latvia	1.043	0.993	1.113	1.218	1.227	1.165	1.188	1.101	1.051	1.103	1.097	1.126
Lithuania	1.113	1.073	1.298	1.468	1.504	1.493	1.494	1.191	1.091	1.241	1.262	1.166
Luxembourg	0.592	0.489	0.594	0.666	0.720	0.668	0.627	0.508	0.492	0.576	0.623	0.572
Mexico
Netherlands	0.797	0.682	0.755	0.838	0.932	0.917	0.930	0.765	0.718	0.813	0.878	0.806
New Zealand
Norway
Poland	1.179	0.984	1.229	1.444	1.543	1.414	1.450	1.112	1.043	1.194	1.273	1.216
Portugal	1.054	0.913	1.087	1.235	1.305	1.285	1.256	1.034	0.954	1.047	1.129	1.095
Slovak Republic	1.190	0.832	1.045	1.322	1.284	1.191	1.146	0.814	0.755	0.872	0.949	0.883
Slovenia	1.063	0.843	1.077	1.215	1.322	1.314	1.285	1.032	0.982	1.131	1.158	1.085
Spain	0.787	0.665	0.828	0.975	1.075	1.134	1.123	0.942	0.926	0.999	1.071	1.129
Sweden
Switzerland
Turkey	2.324	2.221	2.652	2.973	3.108	3.055	3.094	2.680	2.580	2.794	2.743	2.725
United Kingdom
United States
OECD Europe
OECD Total

Table 14
Natural gas prices for industry in USD/MWh (GCV basis) (using PPPs)

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Australia
Austria	45.8	46.2	43.3	47.4	44.7	39.1	41.5	37.0
Belgium	43.3	38.0	36.3	42.0	44.4	47.0	37.2	36.7	31.3	31.5	34.8	30.7
Canada	26.2	14.1	11.6	12.3	9.6	11.6	14.4	10.4	12.7	13.6	12.1	11.1
Chile	c	c	c	c	c	c	c	c	c	c
Czech Republic	64.8	63.5	63.7	67.2	71.7	72.4	69.9	64.1	58.8	55.9	56.6	60.3
Denmark	30.1	25.2	33.6	39.8	39.0	42.6	35.9	34.0	28.6	33.6	39.0	33.0
Estonia	48.5	47.0	53.7	55.7	68.1	68.0	67.8	56.4	44.6	51.0	57.8	58.0
Finland	28.8	27.6	30.5	42.3	46.1	46.3	44.4	41.0	40.6	47.4	53.0	52.8
France	40.7	40.4	40.2	44.2	48.2	51.2	48.9	47.0	42.2	44.6	48.7	49.7
Germany	47.7	42.4	42.3	45.8	44.1	48.5	43.7	39.5	35.2	33.3	35.2	35.7
Greece	53.5	38.8	46.6	56.4	75.9	72.8	69.7	54.7	43.9	40.6	53.9	59.9
Hungary	85.2	83.3	60.4	70.4	85.6	81.6	92.0	72.1	60.4	53.4	61.5	60.3
Iceland
Ireland	38.4	33.2	33.0	37.9	43.1	48.0	44.7	40.0	38.9	40.5	44.9	45.3
Israel	c	c	c	c	c	c	c	c	c	c	c	c
Italy	48.5	44.8	40.6	46.6	57.0	57.6	51.8	51.0	47.2	44.6	48.9	50.6
Japan	..	37.6	40.8	49.7	56.1	66.1	68.7	51.9	36.4	41.8	48.6	50.2
Korea	65.5	68.5	66.2	76.4	81.0	83.5	87.3	65.6	55.3	56.6	54.6	58.4
Latvia	59.9	66.0	57.9	60.9	73.9	73.5	69.0	63.8	52.4	55.5	62.6	68.0
Lithuania	78.5	66.7	74.8	88.8	99.7	96.7	94.6	66.7	62.7	70.7	82.9	72.7
Luxembourg	24.0	31.9	34.3	39.8	42.5	45.0	38.2	43.3	32.8	30.4	33.1	28.2
Mexico	55.6
Netherlands	37.1	36.0	30.5	33.1	36.5	39.4	38.2	35.3	31.0	31.0	32.9	29.9
New Zealand	20.0	22.5	19.3	18.4	18.8	20.0	18.6	17.2	15.3	17.3	18.3	16.8
Norway	x	x	x	x	x	x	x	x	x	x	x	x
Poland	59.8	62.1	65.4	69.9	79.6	75.8	78.2	68.0	53.7	54.9	62.0	56.0
Portugal	50.7	48.9	48.9	57.7	67.7	71.9	75.2	68.0	53.9	47.8	49.1	56.2
Slovak Republic	70.6	62.1	69.2	71.3	81.0	75.7	68.6	66.6	60.8	57.3	57.7	53.9
Slovenia	60.8	54.8	61.1	67.2	82.5	73.9	66.0	57.5	50.3	48.7	52.4	54.6
Spain	39.4	37.4	34.9	38.0	49.2	51.1	50.6	45.1	37.2	37.8	40.3	43.8
Sweden	49.5	42.0	44.7	49.6	49.5	48.3	43.2	42.3	37.3	40.0	49.3	39.1
Switzerland	46.5	44.8	40.5	46.0	49.6	51.0	52.5	51.2	50.7	50.6	55.0	57.8
Turkey	72.7	68.8	57.1	58.4	72.3	77.6	76.8	76.4	69.7	58.5	71.3	88.7
United Kingdom	29.8	27.4	26.1	31.4	34.6	38.5	34.8	31.5	26.8	28.7	33.2	31.7
United States	31.9	17.6	17.8	16.9	12.8	15.3	18.3	12.9	11.6	13.5	13.9	12.9
OECD Europe	46.1	43.6	42.0	47.0	52.3	54.5	52.0	48.3	42.6	41.3	45.8	47.1
OECD Total	39.1	29.8	29.1	31.2	31.4	34.3	34.6	28.5	24.8	25.8	27.3	27.3

Table 15
Natural gas prices for electricity generation in USD/MWh (GCV basis) (using PPPs)

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Australia	c	c	c	c	c	c	c	c	c	c	c	c
Austria	34.3	40.8	32.7
Belgium	c	c	c	c	c	c	c	c	c	c	c	c
Canada	19.6	16.1	14.8	12.7	10.5	13.5
Chile	c	c	c	c	c	c	c	c	c	c
Czech Republic
Denmark	c	c	c	c	c	c	c	c	c	c	c	c
Estonia
Finland	26.8	25.5	28.4	33.3	37.2	34.9	33.0	25.7	22.8	28.0	32.1	30.8
France
Germany
Greece	c	c	c	c	c	c	c	c	c	c	c	c
Hungary	70.6	70.0	53.6	67.7	78.7	75.4	77.4	67.2	49.8	50.8	56.8	55.7
Iceland
Ireland	c	c	c	c	c	c	c	c	c	c	c	c
Israel	28.0	27.9	35.2	37.9	41.3
Italy	c	c	c	c	c	c	c	c	c	c	c	c
Japan
Korea	81.4	57.7	61.1	68.9	74.2	75.9	79.8	58.5	45.4	50.0	58.1	55.1
Latvia	c	c	c
Lithuania
Luxembourg	c	c	c	c	c	c	c	c	c	c	c	c
Mexico	54.3	31.0	33.0	30.5	23.5	31.4	35.2	25.5	28.4	36.9	32.5	..
Netherlands
New Zealand	c	c	c	c	c	c	c	c	c	c	c	c
Norway
Poland	42.2	40.3	41.9	45.2	51.3	48.4	46.6	47.7	39.7	41.6	46.2	43.4
Portugal	45.7	35.7	40.6	47.7	59.2	61.4	60.5	47.5	35.6	40.1	45.0	41.4
Slovak Republic	81.6	79.4	51.6	63.0	82.1	76.2	79.3	84.9	57.6	59.2	66.2	59.9
Slovenia	c	c	c	c	c	c	c	c	c	c	c	c
Spain
Sweden
Switzerland
Turkey	72.6	68.6	55.6	57.7	72.0	76.9	76.2	76.7	70.1	59.0	80.9	95.2
United Kingdom	23.4	19.8	20.8	27.1	30.4	33.1	27.1	22.9	18.5	22.3	28.0	20.9
United States	31.2	16.1	17.3	16.1	11.7	14.8	17.0	11.0	9.8	11.5	12.1	9.8
OECD Europe
OECD Total

Table 16
Natural gas prices for households in USD/MWh (GCV basis) (using PPPs)

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Australia
Austria	70.5	76.5	71.6	79.8	90.2	93.7	91.4	88.7	86.8	90.4	91.2	90.4
Belgium	76.1	66.4	68.1	82.6	87.3	83.1	82.8	78.2	70.3	70.5	76.2	75.6
Canada	37.6	32.5	31.2	29.6	27.6	28.5	31.5	27.5	28.3	28.8	28.1	28.9
Chile	181.2	151.3	167.3	191.5	175.0	158.6	159.5	145.7	148.0	160.7	182.9	189.4
Czech Republic	89.6	98.0	95.7	109.8	128.7	128.4	125.8	127.3	124.7	123.6	122.6	127.2
Denmark	90.9	79.7	94.2	102.7	95.2	99.9	90.8	80.0	76.7	91.3	98.6	90.7
Estonia	65.4	73.4	75.9	84.6	98.2	95.7	91.9	77.2	61.6	76.9	76.2	83.0
Finland
France	63.7	67.6	65.6	74.4	80.8	88.8	94.0	92.6	89.3	92.2	100.7	112.0
Germany	86.6	86.2	79.1	84.4	89.3	92.0	92.8	90.8	91.2	89.6	88.2	92.1
Greece	100.9	91.6	97.6	108.9	156.9	180.8	172.4	166.8	105.6	109.0	105.7	104.7
Hungary	84.8	97.6	91.3	102.9	108.2	102.9	88.1	84.0	83.3	83.4	81.3	79.8
Iceland
Ireland	64.4	69.9	65.7	69.7	82.0	90.1	92.8	89.6	90.9	87.8	94.6	95.3
Israel	x	x	x	x	x	x	x	x	x	x	x	x
Italy	86.5	85.1	92.1	101.2	111.3	119.2	116.3	112.0	111.8	111.8	115.8	124.6
Japan	..	110.0	111.7	122.9	129.8	140.8	147.0	132.9	112.0	114.3	124.0	125.7
Korea	78.3	80.3	79.4	90.1	95.6	99.4	103.9	83.9	74.3	75.4	73.2	76.9
Latvia	76.6	104.3	82.7	90.0	109.9	110.4	106.8	108.1	94.0	87.0	91.2	97.9
Lithuania	72.1	88.6	92.0	107.9	123.8	137.3	119.5	96.4	91.2	86.0	89.2	94.1
Luxembourg	56.1	48.9	47.2	58.8	64.0	66.4	58.9	55.1	50.9	48.0	50.8	50.6
Mexico	57.5	67.0	64.9	59.3	50.7	55.9	58.5	51.8	54.6
Netherlands	86.0	84.9	76.2	83.2	93.1	97.9	95.6	91.4	94.6	97.0	103.2	118.2
New Zealand	95.8	79.6	79.8	88.4	88.9	94.2	92.0	90.0	96.1	88.2	99.1	99.5
Norway	x	x	x	x	x	x	x	x	x	x	x	x
Poland	105.0	115.2	111.1	119.5	127.9	122.0	129.6	127.4	114.6	110.3	110.1	113.6
Portugal	98.6	95.6	98.2	108.2	131.4	151.6	179.5	167.4	151.1	136.7	133.3	135.5
Slovak Republic	89.1	93.8	91.0	97.8	105.5	108.3	109.8	106.4	93.8	89.7	94.0	96.4
Slovenia	98.4	96.8	98.0	113.8	126.3	116.6	112.9	105.4	100.7	94.9	97.2	100.3
Spain	83.2	79.8	76.8	89.8	114.1	124.7	135.3	133.4	124.7	131.9	129.0	143.5
Sweden	106.6	108.0	109.2	120.0	122.7	123.3	121.0	121.7	121.9	129.2	138.0	142.3
Switzerland	68.2	65.3	62.2	68.2	73.9	76.5	80.4	78.3	80.0	79.2	84.4	89.2
Turkey	83.7	83.7	73.8	73.2	88.3	93.8	94.2	95.5	90.5	79.6	77.2	81.8
United Kingdom	47.8	53.5	52.2	59.5	64.9	69.6	73.3	69.7	64.1	63.1	64.9	67.6
United States	45.9	40.0	37.0	36.4	35.3	34.0	36.1	34.2	33.2	35.9	34.6	34.9
OECD Europe	74.0	76.1	73.7	82.1	89.7	94.0	95.6	92.9	90.0	88.9	90.4	96.1
OECD Total	59.5	59.6	58.1	61.1	66.6	66.4	65.6	64.4	63.4	64.0	62.3	65.1

Table 17
Steam coal prices for industry in USD/tonne (using PPPs)

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Australia
Austria	196.58	204.78	184.33	210.02	236.99	211.44	194.16	187.36	240.77	198.80	295.89	246.11
Belgium	179.11	132.17	114.37	104.77	102.02	161.31	156.56	149.50
Canada
Chile
Czech Rep.*	c	c	c	c	c	c	c	c	c	c	c	c
Denmark
Estonia
Finland	162.54	134.40	141.46	252.35	240.43	225.56	224.71	244.24	276.89	325.08	342.33	328.20
France	163.59	179.61	153.17	146.76	147.56	147.03	154.40	183.21	..
Germany
Greece	x	x	x	x	x
Hungary	x	x	x	x	x	x	x	x	x	x
Iceland
Ireland
Israel	x	x	x	x	x	x	x	x	x	x	x	x
Italy	125.40	106.50	109.41	132.87
Japan	112.42	94.17	90.49	108.75	109.74	115.80	110.08	104.53	87.79	118.76	137.04	130.45
Korea	164.86	137.20
Latvia
Lithuania
Luxembourg	x	x	x	x	x	x	x	x	x	x	x	x
Mexico	x	x	x	x	x	x	x	x	x	x	x	x
Netherlands
New Zealand	c	c	c	c	c	c	c	c	c	c	c	c
Norway
Poland	137.70	157.74	161.04	180.03	198.09	180.07	165.26	149.75	136.54	164.92	190.02	183.19
Portugal	173.77	248.82	319.00	261.05	235.39	168.33	346.67	c	c	c
Slovak Republic
Slovenia	c	c	c	c	c	c	c	c	c	c	c	c
Spain
Sweden	c	c	c	c	c	c	c
Switzerland	157.06	101.96	110.57	127.37	105.61	87.24	80.16	76.89	74.45	80.58	98.06	83.59
Turkey*	136.67	144.49	136.39	149.51	172.20	186.69	179.73	189.20	189.82	186.63	232.59	231.32
United Kingdom	91.08	90.03	108.26	132.09	133.69	145.79	144.44	126.01	108.16	121.56	142.18	139.77
United States	69.99	71.54	70.54	71.76	81.37	79.39	80.06	75.19	71.61	70.25	69.81	68.36
OECD Europe
OECD Total	101.91	98.62	92.47

* Brown coal price for the Czech Republic and Turkey.

Table 18
Steam coal prices for electricity generation in USD/tonne (using PPPs)

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Australia
Austria	97.77	113.98	97.87	110.62	123.48	130.25	106.22	111.23	113.01	112.11	137.89	107.76
Belgium	102.99	65.12	X	X	X	X
Canada	24.99	23.71	26.18	23.02	26.36	27.70
Chile	179.42	150.53	118.52	148.43	134.83	127.22	129.19	120.33	108.24	139.62	152.77	128.28
Czech Rep.*	c	c	c	c	c	c	c	c	c	c	c	c
Denmark
Estonia
Finland	107.17	78.02	85.34	109.72	99.44	78.97	78.43	74.08	74.23	103.86	104.69	90.10
France	105.58	95.13	95.72	109.66	101.91	92.77	89.50	85.19	87.93	106.09	103.92	..
Germany	127.21	97.80	110.55	139.64	124.96	105.85	98.60	95.93	95.47	143.96	151.02	136.03
Greece*	X	X	X	X	X
Hungary*	c	c	c	c	c	c	c	c	c	c	c	c
Iceland
Ireland	72.03	c	c	c	c	c	c	c	c	c	c	c
Israel	116.89	121.51	90.81	127.69	129.76
Italy	122.24	96.12	105.27
Japan
Korea	127.46	127.61
Latvia
Lithuania
Luxembourg	x	x	x	x	x	x	x	x	x	x	x	x
Mexico**	78.26	92.91	89.79	90.94	95.26	98.58	104.40	108.16	112.55	118.36	114.96	..
Netherlands
New Zealand	c	c	c	c	c	c	c	c	c	c	c	c
Norway
Poland	103.65	134.35	131.22	139.55	150.51	139.30	134.16	126.87	116.81	116.20	137.34	151.78
Portugal	151.92	93.47	107.01	130.72	115.88	100.87	93.90	86.42	86.90	131.47	137.06	97.42
Slovak Republic*
Slovenia	c	c	c	c	c	c	c	c	c	c	c	c
Spain
Sweden	c	c	c	c	c	c	c
Switzerland	x	x	x	x	x	x	x	x	x	x	x	x
Turkey*	47.75	54.98	59.29	64.69	68.22	81.13	86.26	74.78	69.33	69.64	65.61	73.22
United Kingdom	93.45	76.71	88.78	113.51	94.54	88.52	81.19	70.36	78.83	108.40	111.89	89.35
United States	47.35	50.47	51.79	54.74	54.52	53.61	54.09	50.94	48.33	47.10	47.08	46.25
OECD Europe	102.96	95.62	102.91
OECD Total	70.75	73.82	67.90

* Brown coal price for the Czech Republic, Greece, Hungary, Slovak Republic (from 2002 onwards) and Turkey.

** Sub-bituminous coal for Mexico.

Table 19
Coking coal prices for industry in USD/tonne (using PPPs)

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Australia
Austria	c	c	c	c	c	c	c	c	c	c	c	c
Belgium	248.88	178.13	147.47	133.41	135.36	282.28	256.05	253.90
Canada
Chile	222.61	310.16	185.05	344.64	311.96	172.08	231.93	177.14	158.01	318.87	332.40	384.35
Czech Republic	c	c	c	c	c	c	c	c	c	c	c	c
Denmark	x	x	x	x	x	x	x	x	x	x	x	x
Estonia
Finland	286.84	230.97	242.25	384.01	341.26	293.23	281.03	296.98	331.02	436.53	441.25	464.89
France	167.84	171.75	192.56	247.48	217.77	160.44	135.06	124.72	133.78	268.07	243.83	256.30
Germany	c	c	c	c	c	c	c	c	c	c	c	c
Greece	x	x	x	x	x
Hungary	c	c	c	c	c	c	c	c	c	c	c	c
Iceland
Ireland	x	x	x	x	x	x	x	x	x	x	x	x
Israel	x	x	x	x	x	x	x	x	x	x	x	x
Italy	165.75	134.89	172.41	229.30
Japan	174.24	147.41	131.04	176.25	153.23	143.33	127.14	121.77	104.73	172.88	180.29	173.69
Korea	326.32	246.99
Latvia
Lithuania
Luxembourg	x	x	x	x	x	x	x	x	x	x	x	x
Mexico	x	x	x	x	x	x	x	x	x	x	x	x
Netherlands
New Zealand	c	c	c	c	c	c	c	c	c	c	c	c
Norway	x	x	x	x	x	x	x	x	x	x	x	x
Poland	292.64	218.25	316.71	420.08	336.26	269.79	239.31	227.24	235.26	389.10	392.68	380.64
Portugal	487.91	585.24	501.06	637.15	658.97	633.76	579.27	c	c	c
Slovak Republic
Slovenia	x	x	x	x	x	x	x	x	x	x	x	x
Spain	c	c	c	c	c	c	c	c	c	c	c	c
Sweden	c	c	c	c	c	c	c
Switzerland	x	x	x	x	x	x	x	x	x	x	x	x
Turkey	332.73	402.31	386.51	382.68	411.76	419.69	402.61	392.78	393.51	427.05	449.52	462.89
United Kingdom
United States	130.28	158.20	160.84	200.52	202.64	197.72	199.39	187.25	178.35	174.95	173.86	170.25
OECD Europe
OECD Total

Table 20
Electricity prices for industry in USD/MWh (using PPPs)

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Australia
Austria	123.4	132.0	133.4	127.5	122.6	122.9	117.7	121.8	128.9
Belgium	127.5	129.6	127.8	138.3	141.2	141.5	142.5	140.9	151.3	156.4	150.3	159.5
Canada	61.3	58.1	61.6	64.6	68.4	81.2	72.3	65.5	86.5	90.3	90.8	100.5
Chile	262.5	248.4	214.8	214.4	177.3	167.2	161.4	191.7	205.7	236.3	247.0	269.5
Czech Republic	185.6	206.5	200.9	211.6	212.9	227.7	200.7	185.7	173.7	167.2	168.9	191.6
Denmark	88.2	82.2	89.6	91.5	92.1	98.1	92.8	88.3	93.4	88.4	86.6	80.1
Estonia	99.9	117.6	137.4	141.9	150.7	180.0	168.6	164.4	162.0	156.3	160.7	163.8
Finland	68.3	73.7	74.9	81.3	79.3	79.0	77.1	74.2	74.8	74.8	77.5	79.6
France	81.9	89.0	94.7	104.6	107.6	119.5	123.2	127.4	122.6	127.2	130.3	143.9
Germany	107.5	124.0	127.5	143.3	147.0	164.6	171.8	168.1	169.2	171.4	166.3	177.0
Greece	108.5	116.5	119.2	126.5	152.0	169.3	176.1	155.9	152.1	165.0	156.1	155.4
Hungary	223.3	253.0	218.2	221.7	235.5	237.4	221.6	210.1	191.5	181.1	184.5	180.9
Iceland
Ireland	134.6	135.1	122.0	131.7	146.7	160.9	153.1	147.4	134.7	139.0	138.2	144.5
Israel	104.2	95.6	81.4	87.9	105.0	114.1	107.2	90.2	86.7	90.2
Italy	184.9	189.9	196.1	207.6	234.6	243.2	240.2	229.9	238.4	228.9	216.4	246.5
Japan	123.2	128.2	121.3	133.0	148.7	167.9	180.1	175.4	155.8	160.1	169.6	176.6
Korea	87.4	92.7	94.5	98.6	112.6	120.2	127.1	129.9	129.3	127.8	126.8	128.5
Latvia	126.4	172.7	180.2	208.4	210.9	230.4	213.3	196.0	204.9	226.6	221.3	224.5
Lithuania	192.2	207.6	246.1	252.6	265.4	291.8	279.4	245.8	233.8	211.8	217.8	229.7
Luxembourg	93.7	108.9	94.6	93.7	95.8	89.8	84.3	73.6	73.0	80.8	83.6	86.4
Mexico	188.1	156.7	171.2	186.9	192.0	196.8	200.9	155.8	155.4	189.2	188.1	..
Netherlands	107.2	117.8	102.7	101.8	103.3	106.5	110.0	99.7	96.8	98.4	101.0	109.9
New Zealand	72.4	69.7	65.3	69.4	70.8	79.4	83.6	77.9	74.4	84.1	98.4	..
Norway	40.5	40.7	48.7	43.9	37.0	44.7	37.1	28.7	35.5	38.0	56.4	53.1
Poland	156.0	200.0	201.2	199.9	207.5	196.4	178.4	191.6	188.4	190.5	196.8	216.9
Portugal	141.2	150.5	148.9	160.7	189.3	196.3	202.9	196.1	197.5	199.3	198.2	202.0
Slovak Republic	230.0	273.6	257.1	255.9	264.4	277.3	246.4	239.5	224.6	227.3	236.9	259.7
Slovenia	139.8	150.1	143.8	145.6	151.0	160.4	146.7	133.4	131.5	128.5	138.8	147.6
Spain	124.7	139.1	138.0	142.6	161.7	159.5	176.5	170.9	162.8	162.6	170.2	174.9
Sweden	71.6	71.0	76.9	76.4	69.8	68.5	64.2	56.0	58.4	61.3	68.7	76.2
Switzerland	68.0	69.2	79.9	83.7	90.2	93.6	91.9	95.3	109.4	103.3	102.2	103.7
Turkey	204.9	235.6	246.0	239.5	260.4	260.9	259.3	262.4	255.2	228.9	252.7	326.3
United Kingdom	113.6	121.4	111.7	114.5	120.7	127.9	134.2	137.2	134.8	143.5	151.8	169.5
United States	68.3	68.1	67.9	68.2	66.7	68.4	71.0	69.1	67.6	68.8	69.2	68.3
OECD Europe	122.3	135.1	136.6	144.2	153.0	160.4	161.6	159.1	158.4	157.7	160.8	178.8
OECD Total	104.6	108.7	109.1	114.8	121.5	128.3	131.6	127.8	126.7	129.9	132.9	139.5

Table 21
Electricity prices for households in USD/MWh (using PPPs)

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Australia	185.0	206.1	216.4	191.6	187.5	211.0	229.3	231.9
Austria	205.8	218.3	231.1	235.9	242.8	257.0	251.9	250.1	259.4	255.5	254.3	260.4
Belgium	218.6	210.1	222.3	244.8	257.4	261.9	246.7	269.8	338.3	367.1	361.8	374.0
Canada	78.1	78.8	78.7	83.7	83.9	87.3	88.6	95.0	116.8	117.4	122.2	125.0
Chile	351.4	336.3	296.0	292.8	259.5	244.1	235.3	263.9	279.4	314.4	306.6	331.5
Czech Republic	246.5	281.2	271.5	292.4	306.4	329.8	295.1	288.8	303.1	308.5	321.1	354.4
Denmark	254.1	253.1	261.7	291.1	291.2	283.5	290.4	289.9	313.7	313.6	333.6	321.3
Estonia	146.9	172.4	187.4	191.9	207.5	252.0	241.6	233.9	223.6	226.6	248.0	248.0
Finland	129.3	139.6	147.2	171.0	166.9	168.3	167.3	167.8	173.9	187.6	196.7	216.8
France	127.4	133.2	145.7	159.5	163.7	180.7	190.0	200.9	211.2	216.8	226.7	243.1
Germany	269.1	282.4	299.1	320.7	334.8	376.9	387.2	379.0	395.0	411.6	404.1	404.6
Greece	151.6	155.3	165.8	174.4	205.1	258.2	290.6	290.5	292.1	308.6	292.6	297.2
Hungary	295.1	326.7	359.6	353.3	365.4	325.6	284.4	270.0	268.0	263.2	257.0	252.0
Iceland	78.4	76.5	78.7	89.1	93.4	97.4	99.0	98.8
Ireland	193.5	203.9	206.8	224.3	255.5	271.8	280.9	281.1	276.5	269.2	276.1	290.0
Israel	144.3	135.4	131.0	134.8	147.6	161.2	159.9	145.0	140.8	147.6
Italy	262.0	271.9	258.4	267.6	302.2	318.6	330.2	334.7	347.4	340.1	347.1	385.3
Japan	191.4	194.2	191.6	203.6	222.4	245.0	260.1	263.3	230.3	241.2	252.3	272.4
Korea	141.2	135.2	139.8	159.6	164.5	166.2	163.2	164.0	160.8	141.5	139.5	138.7
Latvia	159.4	202.9	217.2	251.9	263.1	265.6	268.4	326.7	339.8	333.2	324.2	344.8
Lithuania	181.3	206.5	269.0	279.5	285.1	316.5	303.9	285.0	278.1	255.1	246.9	280.7
Luxembourg	163.8	188.2	175.8	175.6	179.5	175.3	187.4	193.0	192.1	182.1	191.7	204.2
Mexico	143.4	145.2	147.5	154.2	150.9	147.1	149.0	143.6	140.6	135.6	132.2	..
Netherlands	195.8	219.1	195.6	204.5	224.8	242.7	235.2	230.3	199.6	202.4	229.0	284.3
New Zealand	147.8	156.1	162.6	173.1	178.4	190.8	196.8	191.5	198.2	198.8	200.4	200.2
Norway	96.4	91.9	116.2	105.2	87.5	96.7	86.3	76.8	87.4	94.0	112.7	111.4
Poland	252.4	279.8	299.4	325.9	345.6	352.1	343.0	350.0	353.3	356.8	354.4	341.8
Portugal	236.3	247.5	261.0	283.7	335.0	360.9	380.6	390.2	406.7	392.5	392.3	382.0
Slovak Republic	290.1	322.7	320.5	343.1	354.1	365.1	332.2	314.1	305.2	293.7	302.1	322.2
Slovenia	180.9	204.3	219.7	232.5	248.0	271.5	271.2	267.0	277.5	278.6	278.4	283.0
Spain	205.7	229.4	246.0	285.5	322.2	327.3	371.6	380.6	377.5	409.4	415.9	410.1
Sweden	164.1	166.6	174.1	181.9	175.2	177.0	168.6	162.4	168.9	174.8	192.9	211.0
Switzerland	112.0	121.2	128.1	141.4	141.4	143.9	149.4	160.4	166.6	170.4	177.6	183.6
Turkey	243.2	282.6	300.1	292.5	324.6	338.0	336.1	340.4	332.1	299.9	312.6	326.5
United Kingdom	169.5	172.9	169.7	184.9	195.9	211.7	220.4	217.4	218.7	233.6	249.9	269.3
United States	112.6	115.1	115.8	117.2	118.8	121.2	125.2	126.5	125.5	128.9	128.7	130.4
OECD Europe	196.5	208.1	215.8	233.2	245.6	261.4	269.7	270.2	277.0	284.3	292.0	304.0
OECD Total	146.5	151.7	154.2	161.4	169.7	177.8	181.8	183.3	183.4	189.2	190.9	198.8

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