NORD POOL

Nord Pool's FTP server
Directories and contents

Updated July 2018

This document lists the various types of information available for downloading from Nord Pool's FTP-server. Access to the FTP-server is by subscription and/or by a special agreement. All participants trading at the Physical Nordic Power Exchange have FTP access.

If you have any questions regarding this outline, please contact Nord Pool's Power Data Services department at pds@nordpoolgroup.com.

Table of Contents

The contents of the FTP-server are listed according to the structure of the server's file directory. Most of the files are available in *.sdv* format (text format) or in *.xls* (Excel spreadsheet).

When a same file contains various data types or variables, data types and variables codes are listed along with the file details.

The year/date designation for recorded data is generally part of the file name, according to the convention: *ww* = week, *yy* = year, *mm* = month, *dd* = day.
Data for previous years are found in own "Years" subfolders; *yyyy* = year.

All catalogues have English names and have been organized in folders together with interrelated files. The files have English and Norwegian names.
"Elspot" and "Elbas" are the former designations for Nord Pool's day-ahead market and intraday market respectively. Those designations have not been modified in the names of files

FTP SUBSCRIPTION AREAS

The Physical Market area

The Physical Market Area on the FTP-server includes access to the following catalogues including sub catalogues:
- ▸ Elbas (Intraday markets)
- ▸ Elspot (Day-ahead markets)
- ▸ Information

The Operating Data area

The Operating Data Area on the FTP-server access to the following catalogues including sub catalogues:
- ▸ Operating data
- ▸ Regulating power market
- ▸ UMM
- ▸ Information

Separate agreement catalogues

To access the following catalogues all FTP-users need a separate agreement with Nord Pool's Power Data Services department, pds@nordpoolgroup.com.
- ▸ Newspaper
- ▸ Reports
- ▸ Elspot (Day-ahead) delayed price file

CONTINUOUS INTRADAY

Trades

Elbas_ticker_data

Elbas_ticker_report_*yymmdd*.csv		
Path	Elbas\Elbas_ticker_data	
Content	Trades on the continuous intraday market, with trade time, product code, price, quantity, buy area, sell area.	
Update	Daily for the previous day.	
Availability	From 1st January 2010.	
Columns prior to XBID launch on 13th June 2018	Trade Time	Trade time in UTC
	Trade Type	Type of product (PH: Power Hour | CB: Custom Block)
	Product Code	
	Currency	
	Price	Price per MWh
	QTY	Quantity in MWh
	BArea	Buy area
	SArea	Sell area
	Cancelled	Cancellation flag (1: True | 0: False)
Columns after XBID launch on 13th June 2018	Trade Time	Trade Time in UTC
	Trade Type	Type of product: Custom block, 60-, 30- or 15-minute contract
	Product Code	
	Currency	
	Price	Price per MWh
	QTY	Quantity in MWh
	BArea	Buy area. *OPX* denotes a trade whose buyer has traded on another PX's platform.
	SArea	Sell area. *OPX* denotes a trade whose seller has traded on another PX's platform.
	Cancelled	Cancellation flag (1: True | 0: False)

Quotation

eb*yyyymmdd*.sdv	
Path	Elbas\Quotation
Content	Prices, and turnover on the continuous intraday market.
Update	-
Availability	From March 1999 (Sweden and Finland)

	From August 2004 (Denmark East)
	From September 2006 (Germany)
	From April 2007 (Denmark West)
	From March 2009 (Norway)
	This file has been brought to a close on 20th February 2018.
Columns	Product
	High price — Highest price, EUR (SEK and FIM prior to 6th Sep. 2001)
	Low price — Lowest price, EUR (SEK and FIM prior to 6th Sep. 2001)
	Av. price — Volume-weighted average price, EUR (SEK and FIM prior to 6th Sep. 2001)
	Volume — Turnover in MWh/h

Transmission capacities

Elbas_capacity

icap*yyww*.sdv		
Path	Elbas\Elbas_capacity	
Content	Initial intraday capacity per connection with time stamp for when it was updated.	
Update	Daily, when the intraday capacities are confirmed by TSOs (usually before 15:00 CET).	
Availability	From 17th November 2010.	
Data type	IC	Intraday capacity
Code	I	Capacity (MW)

Elbas_flow

iflow*yyww*.sdv		
Path	Elbas\Elbas_flow	
Content	Scheduled intraday flow per connection.	
Update	Twice per hour.	
Availability	From 25th October 2010.	
Data type	IF	Intraday flow
Code	I	Flow (MWh/h)

Total_scheduled_flow

tflo*yyww*.sdv		
Path	Elbas\Total_scheduled_flow	
Content	Sum of day-ahead flow and intraday flow per connection.	
Update	Twice per hour.	
Availability	From 30th August 2010.	
Data type	TF	Total flow
Code	I	Flow (MWh)

Intraday auctions

IDA_prices_and_volumes

npia*yyww*.sdv		
Path	\Intraday_auction\IDA_prices_and_volumes	
Content	Results of Intraday Auctions (both the 10:00 CET and the 20:00 CET auctions) with hourly prices and buy- and sell-volumes for each TSO area.	
Update	Twice a day, after each auction	
Availability	From 11th April 2018.	
Data type	OM	Turnover in MWh/h
	PR	Prices in EUR/MWh
Code	A1, A2	Prices for the 1st (10:00 CET) and the 2nd auction (22:00 CET)
	B1, B2	Buy volumes for the 1st and the 2nd auction
	S1, S2	Sell volumes for the 1st and the 2nd auction

Aggr_IDA_curves

50Hz_demand_*dd.mm.yyyy*.csv	**50Hz_supply_*dd.mm.yyyy*.csv**
AMP_demand_*dd.mm.yyyy*.csv	**AMP_supply_*dd.mm.yyyy*.csv**
TBW_demand_*dd.mm.yyyy*.csv	**TBW_supply_*dd.mm.yyyy*.csv**
TTG_demand_*dd.mm.yyyy*.csv	**TTG_supply_*dd.mm.yyyy*.csv**

Path	\Intraday_auction\IDA_prices_and_volumes*dd.mm.yyyy*
	A new folder *dd.mm.yyyy* with new files is created every second Friday.
Content	Anonymised, aggregated demand and supply curves for intraday auctions in each German TSO area.

Availability	From June 1st 2018. **N.B. This file is updated on an as-needed basis.**	
Column	DELIVERYDATE	Day of delivery
	PERIODS	(12): data for the 10:00 CET auction
		(24): data for the 22:00 CET auction
	CURVE_ID	The last two digits correspond to the hourly product traded (from 00 to 11 for the 10:00 CET auction, from 00 to 23 for the 22:00 CET auction)
	POSITION	Position of the order in the curve
	PRICE	Price in EUR/MWh
	QUANTITY	Quantity in MWh

DAY-AHEAD MARKET

Auction results

Elspot_file

spot*yyww*.sdv	
Path	\Elspot\Elspot_file
Content	Hourly spot prices and buy and sell volumes for all intraday areas, system price, volumes at system price.
Update	Updated twice a day: after day-ahead calculation (prices in EUR) and approximately 10 minutes later (prices in SEK, DKK, NOK).
Availability	From 3rd January 2000.
Data type	PR Prices (currency is specified)
	OM Turnover
Code	SF Preliminary day-ahead price (with preliminary exchange rate)
	SO Official day-ahead price (with official exchange rate)
	SK Buy volume (MWh/h)
	SS Sell volume (MWh/h)

Elspot_turnover

turnover*yy*.sdv / .xls	
Path	\Elspot\Elspot_turnover
Content	Hourly day-ahead turnover at system price.
Update	Daily, after day-ahead price setting.
Availability	From 30th December 1996.

System_price_bid_curves

MCP_Data_Report_*yymmdd*.sdv	
Path	\Elspot\System_price_bid_curves
Content	Aggregated and anonymised buy and sell order curves for the day-ahead auction, at system price.
Update	Daily, after day-ahead price setting.
Availability	29th June 2010.

Transmission capacities

Elspot_capacity

scap*yyww*.sdv	
Path	\Elspot\Elspot_capacity
Content	Transmission capacities per hour between the different day-ahead bidding areas. Cables between connected bidding zones of the Nordics, Baltics, Poland, Belarus, Russia.
Update	Before day-ahead bidding, generally at 10:00 CET, and after final price setting.
Availability	From 4th January 1999. Capacity reduction codes are available from
Data type	UE Exchange capacity (MWh/h) CR Capacity reduction code Signification for codes are available in the Appendix, at the end of this document

Elspot_flow

sflo*yyww*.sdv	
Path	\Elspot\Elspot_flow
Content	Planned cross-border day-ahead power flow per hour. Cables between connected bidding zones of the Nordics, Baltics, Poland, Belarus, Russia.
Update	Daily, after day-ahead price setting, usually before 14:00 CET.
Availability	From 1st July 1999.
Data type	FE Day-ahead flow (MWh/h)
Code	S Flow at system price D Day-ahead flow

Transmission_capacity_prognosis

ecap*yyww*.sdv	
Path	\Elspot\Transmission_capacity_prognosis
Content	Week-ahead transmission capacity prognosis. Cables between connected bidding zones of the Nordics, Baltics, Poland, Belarus, Russia.
Update	Every Friday.
Availability	7th September 2015.

Market_coupling_capacities

mcap*yyww*.sdv	
Path	\Elspot\Market_coupling_capacities
Content	Planned day-ahead capacity for market coupling cables: Baltic cable, West Denmark-Germany, East Denmark-50Hz, NorNed, SwePol, LitPol.
Update	Twice a day: around 10:00 CET and after day-ahead price setting.
Availability	From 9th December 2011.

Market_coupling_flow

mflo*yyww*.sdv	
Path	\Elspot\Market_coupling_flow
Content	Planned day-ahead flow for market coupling cables: Baltic cable, West Denmark-Germany, East Denmark-50Hz, NorNed, SwePol, LitPol.
Update	Daily, after day-ahead price setting.
Availability	From 9th December 2011.

Day-ahead prices per bidding area

Elspot_prices

Bus_bar_prices

peur*yyww*.sdv - pnok*yyww*.sdv - psek*yyww*.sdv - pdkk*yyww*.sdv		
Path	\Elspot\Elspot_prices\Bus_bar_prices	
Content	Prices for day-ahead and regulating power for the following trading points: Alta, Bardufoss, Bergen, Bremanger, Copenhagen, Gjøvik, Helsinki, Hopen, Hove Kanstadbotn, Kontek, Kirkenes, Kristiansand, Kristiansund, Leirdøla, Leivdal, Mosjøen, Narvik, Oslo, Porsgrunn, Stavanger, Stockholm, Stord, Tromsø, Trondheim, Vinje, Ålborg, Ålesund, Århus, as well as system price and currency exchange rates.	
Update	Daily, after day-ahead price setting.	
Availability	From 1th March 1997 (prices in NOK)	
Data type	VA	Currency exchange rate

Code	(for "pnok" and "psek" files)	
	NF / NO	Preliminary/official rate: 1 NOK = *xxx* SEK
	SF / SO	Preliminary/official rate 1 SEK = *xxx* NOK
	(for "pfim" files)	
	FF / FO	Preliminary/official rate 1 FIM = *xxx* NOK
	NF / NO	Preliminary/official rate 1 NOK = *xxx* FIM
	(for "peur" files)	
	NF / NO	Preliminary/official rate: 1 NOK = *xxx* EUR
	EF / EO	Preliminary/official rate: 1 EUR = *xxx* NOK
	(for "pdkk" files)	
	NF / NO	Preliminary/official rate: 1 NOK = *xxx* DKK
	EF / EO	Preliminary/official rate: 1 DKK = *xxx* NOK
Data type	PR	Prices
Code	D	Day-ahead
	RO	Up-regulation price
	RN	Down-regulation price

Denmark

Denmark_East

cpheur*yy* - cphnok*yy* - cphsek*yy* - cphdkk*yy*	(*.sdv* or *.xls*)
Path	\Elspot\Elspot_prices\Denmark\Denmark_East
Content	Hourly day-ahead area price for Denmark-East (DK2) in EUR / NOK / SEK / DKK.
Update	Daily, after day-ahead price setting.
Availability	From 1st October 2000 (prices in DKK).

Denmark_West

odeeur*yy* - odenok*yy* - odesek*yy* - odekk*yy*	(*.sdv* or *.xls*)
Path	\Elspot\Elspot_prices\Denmark\Denmark_West
Content	Hourly day-ahead area price for Denmark-West (DK1) in EUR NOK / SEK / DKK.
Update	Daily, after day-ahead price setting.
Availability	From 1st July 1999 (prices in DKK).

Estonia

est-eur*yy*.sdv / .xls	
Path	\Elspot\Elspot_prices\Estonia
Content	Hourly day-ahead area price for Estonia in EUR.
Update	Daily, after day-ahead price setting.
Availability	From 1st April 2010.

Finland

heleur*yy* - helnok*yy* - helsek*yy* - helkk*yy* - helfim*yy*		(*.sdv* or *.xls*)
Path	\Elspot\Elspot_prices\Finland	
Content	Hourly day-ahead area price forFinland in EUR / NOK / SEK / DKK / FIM.	
Update	Daily, after day-ahead price setting.	
Availability	From 29th December 1997. Files in FIM were brought to a close 31st December 2001.	

Kontek

kteur*yy* - ktnok*yy* - ktsek*yy* - ktdkk*yy*		(*.sdv* or *.xls*)
Path	\Elspot\Elspot_prices\Kontek	
Content	Hourly day-ahead area price for Kontek in EUR / NOK / SEK / DKK.	
Update	Brought to a close.	
Availability	From 5th October 2005 to 9th November 2009.	

Latvia

lat-eur*yy*.sdv / .xls	
Path	\Elspot\Elspot_prices\Latvia
Content	Hourly day-ahead area price for Latvia in EUR.
Update	Daily, after day-ahead price setting.
Availability	From 3rd June 2013.

Lithuania

lat-eur*yy*.sdv / .xls	
Path	\Elspot\Elspot_prices\Lithuania
Content	Hourly day-ahead area price for Lithuania in EUR.
Update	Daily, after day-ahead price setting.
Availability	From 18th June 2012.

Norway

Bergen

d-fana*yy* - d-fansek*yy* - ber-eur*yy* - ber-dkk*yy*		(*.sdv* or *.xls*)
Path	\Elspot\Elspot_prices\Norway\Bergen	
Content	Hourly day-ahead area price for Bergen in NOK / SEK / EUR / DKK.	
Update	Daily, after day-ahead price setting.	
Availability	From 4th January 1993 (prices in NOK).	

Kristiansand

d-kris*yy* - d-krisek*yy* - krs-eur*yy* - krs-dkk*yy*	(*.sdv* or *.xls*)
Path	\Elspot\Elspot_prices\Norway\Kristiansand
Content	Hourly day-ahead area price for Kristiansand in NOK / SEK / EUR / DKK.
Update	Daily, after day-ahead price setting.
Availability	From 4th January 1993 (prices in NOK).

Kristiansund

d-kris*yy* - d-krisek*yy* - krs-eur*yy* - krs-dkk*yy*	(*.sdv* or *.xls*)
Path	\Elspot\Elspot_prices\Norway\Kristiansund
Content	Hourly day-ahead area price for Kristiansund in NOK / SEK / EUR / DKK.
Update	Daily, after day-ahead price setting.
Availability	From 1st January 2001 (prices in NOK).

Oslo

oslo*yy* - osl-sek*yy* - os-eur*yy* - os-dkk*yy*	(*.sdv* or *.xls*)
Path	\Elspot\Elspot_prices\Norway\Oslo
Content	Hourly day-ahead area price for Oslo in NOK / SEK / EUR / DKK.
Update	Daily, after day-ahead price setting.
Availability	From 1st January 1993 (prices in NOK).

Tromso

tromso*yy* - tro-sek*yy* - tro-eur*yy* -	(*.sdv* or *.xls*)
Path	\Elspot\Elspot_prices\Norway\Tromso
Content	Hourly day-ahead area price for Tromsø in NOK / SEK / EUR.
Update	Daily, after day-ahead price setting.
Availability	From 1st January 1995 (prices in NOK).

Trondheim

d-bran*yy* - trh-sek*yy* - trh-eur*yy* -	(*.sdv* or *.xls*)
Path	\Elspot\Elspot_prices\Norway\Trondheim
Content	Hourly day-ahead area price for Trondheim in NOK / SEK / EUR.
Update	Daily, after day-ahead price setting.
Availability	From 1st January 1996 (prices in NOK).

Sweden

Sweden (former Swedish single price area)

stocpr*yy* - stosek*yy* - stoeur*yy* - stodkk*yy*	**(.*sdv* or .*xls*)**
Path	\Elspot\Elspot_prices\Sweden
Content	Hourly day-ahead area price for the Swedish price area in NOK / SEK / EUR / DKK. *N.B.* Until 1st January 2011, this corresponds to the former single Swedish area. From 2011 onwards, it corresponds to the prices in Stockholm (SE3).
Update	Daily, after day-ahead price setting.
Availability	From 1st January 1996 (in SEK).

SE1_Lulea

lulea*yy* - lulsek*yy* - luleur*yy* - luldkk*yy*	**(.*sdv* or .*xls*)**
Path	\Elspot\Elspot_prices\Sweden\SE1_Lulea
Content	Hourly day-ahead area price for the SE1 (Luleå) price area in NOK / SEK / EUR / DKK.
Update	Daily, after day-ahead price setting.
Availability	From 1st January 2011 (in SEK).

SE2_Sundsvall

sund*yy* - sundsek*yy* - sundeur*yy* - sunddkk*yy*	**(.*sdv* or .*xls*)**
Path	\Elspot\Elspot_prices\Sweden\SE2_Sundsvall
Content	Hourly day-ahead area price for the SE2 (Sundsvall) price area in NOK / SEK / EUR / DKK.
Update	Daily, after day-ahead price setting.
Availability	From 1st January 2011 (in SEK).

SE3_Stockholm

stocpr*yy* - stosek*yy* - stoeur*yy* - stoddkk*yy*	**(.*sdv* or .*xls*)**
Path	\Elspot\Elspot_prices\Sweden\SE3_Stockholm
Content	Hourly day-ahead area price for the SE3 (Stockholm) price area in NOK / SEK / EUR / DKK.
Update	Daily, after day-ahead price setting.
Availability	From 1st January 2011 (in SEK).

SE4_Malmo

malmo*yy* - malsek*yy* - maleur*yy* - malddkk*yy*	**(.*sdv* or .*xls*)**
Path	\Elspot\Elspot_prices\Sweden\SE4_Malmo
Content	Hourly day-ahead area price for the SE4 (Malmö) price area in NOK / SEK / EUR / DKK.

Update	Daily, after day-ahead price setting.
Availability	From 1st January 2011 (in SEK).

System price

syspr*yy* - sysssek*yy* - syseur*yy* - sysddkk*yy*	(*.sdv* or *.xls*)
Path	\Elspot\Elspot_prices\System
Content	Hourly day-ahead system price in NOK / SEK / EUR / DKK.
Update	Daily, after day-ahead price setting.
Availability	From 4th May 1992.

Others

Elspot_rate

elrate*yyyy*.sdv	
Path	\Elspot\Elspot_rate
Content	Daily currency exchange (both preliminary and official) rates applied to day-ahead contracts. Currencies concerned: EUR, NOK, SEK, DKK.
Update	Daily
Availability	From 4th January 1998.
Data type	VA Currency exchange rate
Code	SF Preliminary currency rate
	SO Official currency rate

Bus_bar_connections

knukoder.xls	
Path	\Elspot\Bus_bar_connections
Content	Busbar connections, voltages and ID numbers, with codes and countries for the Nordic electricity market.

kpno*yyww*.sdv	
Path	\Elspot\Bus_bar_connections
Content	Busbar connections related to price area definition, by week. The file should be used with the "pono" file to obtain specific busbar connection prices. The "pono" files are available under catalogue \Operating_data\Norway.
Update	Every Monday
Availability	From 31st June 1999

DELAYED DAY-AHEAD PRICES

spotprice.sdv	
Path	\Delayed_Elspot_prices
Content	Hourly day-ahead prices and system price. Currencies: EUR, NOK, SEK, DKK.
Update	Daily at 16:00 CET. The file overwrites itself and contains no history.
Availability	No history available.

INFORMATION

The repository contains relevant information and documentation about the FTP server.

Ftp_outline	
Content	The repository for this document *Nord Pool's FTP server – directories and contents*.

File_specification	
Content	File description of the data structure. The name of the description documents corresponds to the names of the data files.

Nord Pool FTP Servers End User Standard Terms.	
Content	Standard Terms for End User license to FTP Information.

New UMM format	
Content	Description of UMM xml files structure. See "Urgent Market Messages" section.

NEWSPAPER

fip.sdv
spot*yyww***.sdv**
fyllgrad.xls
utveksl.xls

Path	\Newspaper
Content	Traded volumes at Nord Pool spot market, cross-border exchange and reservoir content in the Nordic countries.
	Access to this directory is restricted; it is a subscription-based service for newspapers.

OPERATING DATA

Files for operating data per country have the same data types and codes.
(According to the country, some data variables may not be available. See specifications for details.)

Data Type	PR	Prices in *XXX*/MWh [available in the country's currency]
	OM	Turnover in MWh/h
	FR	Consumption in MWh/h
	PS	Total production in MWh/h
	UT	Net exchange in MWh/h
Code	RN	Regulating market: Down-regulating
	RO	Regulating market: Up-regulating
	RC	Imbalance price for consumption (used in settlement)
	RP	Imbalance price for production (purchase)
	RS	Imbalance price for production (sell)
	DD	Dominating regulation direction.
		(1) = Up	(-1) = Down	(0) = no regulation
	EH	Net power trading between TSOs
		This field has been terminated in 2012..
	F	Total consumption
	E	Day-ahead consumption prognosis
	P	Total production
	PE	Day-ahead production prognosis
	WS	Settled wind production
	WE	Day-ahead wind production prognosis
	U	Net exchange. (+) = import	(-) = export

Operating data per country

Denmark

podk*yyww*.sdv	
Path	\Operating_data\Denmark
Content	Operating data for Denmark (DK1 and DK2*) ▸ Production (settlement and day-ahead prognosis) ▸ Consumption (settlement and day-ahead prognosis) ▸ Wind production (settlement and day-ahead prognosis)** ▸ Cross-border exchanges ▸ TSO net power trading*** ▸ Regulation prices in **DKK**
Update	Hourly.
Availability	From 28th June 1999, unless otherwise specified: *Denmark-East (DK2) was implemented on 1st October 2000. **From 24th September 2009. ***From 1st November 2000. Terminated in 2012.

Estonia

poee*yyww*.sdv	
Path	\Operating_data\Estonia
Content	Operating data for Estonia ▸ Production (settlement and day-ahead prognosis) ▸ Consumption (settlement and day-ahead prognosis) ▸ Wind production (settlement and day-ahead prognosis) ▸ Cross-border exchange ▸ Regulation prices in **EUR**
Update	Hourly.
Availability	From 14th November 2011.

Finland

pofi*yyww*.sdv	
Path	\Operating_data\Finland
Content	Operating data for Finland ▸ Production (settlement and day-ahead prognosis) ▸ Consumption (settlement and day-ahead prognosis) ▸ Wind production settlement* ▸ Cross-border exchanges ▸ TSO net power trading** ▸ Regulation prices in **EUR**
Update	Hourly.
Availability	From 31st August 1998. *From 8th March 2018. **From 1st November 2000. Terminated in 2012.

Latvia

polv*yyww*.sdv	
Path	\Operating_data\Latvia
Content	Operating data for Latvia ▸ Production (settlement and day-ahead prognosis) ▸ Consumption (settlement and day-ahead prognosis) ▸ Wind production (settlement and day-ahead prognosis) ▸ Cross-border exchange ▸ Regulation prices in **EUR**
Update	Hourly.
Availability	From 3rd June 2013

Lithuania

polt*yyww*.sdv	
Path	\Operating_data\Lithuania
Content	Operating data for Lithuania ▸ Production (settlement and day-ahead prognosis) ▸ Consumption (settlement and day-ahead prognosis) ▸ Wind production (settlement and day-ahead prognosis) ▸ Cross-border exchange ▸ Regulation prices in **EUR**
Update	Hourly.
Availability	From 3rd June 2013

Norway

pono*yyww*.sdv	
Path	\Operating_data\Norway
Content	Operating data for Norway ▸ Production (settlement and day-ahead prognosis) ▸ Consumption (settlement and day-ahead prognosis) ▸ TSO net power trading* ▸ Cross-border exchanges ▸ Physical exchanges between Norwegian bidding areas** ▸ Regulation prices*** in **NOK**
Update	Hourly.
Availability	From 9th December 1996. *From 1st November 2000. Terminated in 2012. **From 17th October 2011. ***Imbalance price for consumption from 28th October 2009.

Sweden

poseyyww.sdv

Path	\Operating_data\Sweden
Content	Operating data for Sweden
	▶ Production (settlement and day-ahead prognosis)
	▶ Consumption (settlement and day-ahead prognosis)
	▶ Wind power (settlement and day-ahead prognosis)*
	▶ Cross-border exchanges
	▶ TSO net power trading**
	▶ Regulation prices (in **SEK**) and volumes
Update	Hourly.
Availability	From 27th December 1997.
	*From 26th January 2015.
	**From 1st November 2000. Terminated in 2012.

Other operating data

External_capacities

xcapyyww.sdv

Path	\Operating_data\External_capacities
Content	Day-ahead hourly capacities for:
	▶ Russia-Finland
	▶ Russia-Norway
	▶ Denmark West-Germany
	▶ Denmark East-Germany
Update	Hourly.
Availability	From 12th February 2006.

Reservoir_inflow_figures

tilsig.xls

Path	\Operating_data\Reservoir_inflow_figures\Inflow
Content	Weekly hydro reservoir inflow figures in GWh for Norway, Sweden and Finland.
Update	Every Wednesday.
Availability	From 1996 (Norway and Sweden).
	From 2001 (Finland).

fyllgrad.xls

Path	\Operating_data\Reservoir_inflow_figures\Inflow
Content	Weekly reservoir content in GWh for Norway, Sweden and Finland.
Update	Every Wednesday.
Availability	From 1995 (Norway and Sweden).
	From 2001 (Finland).

REGULATING POWER MARKET

Bid_volume_file

bare*yyww*.sdv		
Path	\Regulating_power_market\Bid_volume_file	
Content	Volume of up- and down-regulating bids. Only for Nordics.	
Update	Hourly.	
Availability	From 20th September 2010.	
Data type	BI	Total bid volume (MW)
Code	RO	Down-regulating market
	RN	Up-regulating market

Regulating_prices

reur*yyww*.sdv		
Path	\Regulating_power_market\Regulating_prices	
Content	Hourly regulating prices (up and down), imbalance prices for settlement, purchase and sale, dominating regulating direction. Only for Nordics. Currency: EUR. *N.B.* For other currency, see operating data files per country.	
Update	Hourly.	
Availability	From 5th July 2010.	
Data type	PR	Price in EUR
Code	RO	Down-regulating market
	RN	Up-regulating market
	RC	Imbalance price for consumption (used in settlement)
	RP	Imbalance price for production (purchase)
	RS	Imbalance price for production (sell)
	DD	Dominating regulation direction. (1) = Up | (-1) = Down | (0) = no regulation

Reserves

acre*yyww*.sdv		
Path	\Regulating_power_market\Reserves	
Content	Hourly automatic activated reserves. Only for Nordics.	
Update	Hourly.	
Availability	From 1st November 2010.	
Data type	AR	Automatic activated reserves (MW)

Code	RO	Down-regulating market
	RN	Up-regulating market

Special_regulation_volume

spre*yyww*.sdv		
sprv*yyww*.sdv		
Path	\Regulating_power_market\Special_regulation_volume	
Content	Hourly volume for up- and down-regulation, per bidding area. sprv files include a reason code for regulation. Only for Nordics.	
Update	Hourly.	
Availability	From 1st November 2010.	
Data type	SR	Special regulation volume (MWh/h)
Code	RO	Down-regulating market
	RN	Up-regulating market

REPORTS

Area reports

All the above area reports are published weekly in Norwegian.
They show, for the selected area, the total power production, consumption, and net exchange.
Selected temperature and rainfall at recording sites are included.
Access to those reports is by subscription.

Area 1

D1-*yyyy-ww*.pdf	
Path	\Reports\Area1
Content	Area 1: eastern and southern Norway.

Area 2

D2-*yyyy-ww*.pdf	
Path	\Reports\Area2
Content	Area 2: western Norway.

Area 3

D3-*yyyy-ww*.pdf	
Path	\Reports\Area3
Content	Area 3: mid- Norway.

Area 4

D4-*yyyy-ww*.pdf	
Path	\Reports\Area4
Content	Area 4: northern Norway.

Country

NO-*yy-ww*.pdf	
Path	\Reports\Country
Content	Country report for Norway. Shows total Norwegian power production, consumption, and net exchange. The report, which is published weekly, includes information about temperature, precipitation, reservoir levels and inflows, and planned outages in the Norwegian production and grid systems.

	The report is in Norwegian. Access to the report is by subscription.
Update	Weekly.

Nordic_elm_info

ENG_*yyww*.pdf	
Path	\Reports\Nordic_elm_info
Content	Total Nordic electricity market power production classified under the headings Hydropower, Nuclear Power, and Other Thermal Power. Consumption and total exchange in the Nordic Electricity Market. Day-ahead and financial market prices and turnover. Planned outages in the next six weeks in the entire Nordic Power Exchange area. The report is in English.
Update	Weekly.

URGENT MARKET MESSAGES

***nnnn*.xml**	
Path	\UMM
Content	An Urgent Market Message (UMM) is sent if an incident, plan or change of plan occurs. It is a simple generation of messages informing about the reason and the consequences of planned or unplanned production and consumption outages and planned or unplanned transmission outages. One *xml* file per incident is generated. Schemas for *xml* files is stored in: \Information\New UMM format\
Update	Continuous update.

APPENDIX

Reason codes and area/location codes

The following tables explain the capacity reduction codes used in the *scap* files from the \Elspot\Elspot_capacity folder.

Reason of limitation is described by 2+2 numbers, where:
- ▸ the two first describe the reason
- ▸ the two last describe the area, the location, the connection or the bottleneck.

Example: Reduction code 1257
12 for "Network failure on cross-border connection"
57 for "The northern interconnections between Finland and Sweden (FI-SE1)"

Reason codes					
10	Normal capacity (100 MW tolerance)	17	Normal grid configuration	24	Prognosticated power flow
11	Planned outage on cross-border connection	18	Increased reliability margin	25	Thermal limitation
12	Network failure on cross-border connection	19	Unavailable system protection	60	CBO allocation of capacity in day-ahead
13	Thermal limitation on cross-border connection	20	Reduced amount of operational reserves	90	Not available
14	Planned outage	21	Constrained regional power balance	99	Other reason
15	Network failure	22	Step by step restriction		
16	Stability	23	Ramping in day-ahead		

Area/location codes					
0	Unknown	28	Cut B in Jutland (internal DK1)	52	Norway West (NO5)
10	No bottleneck causing reduction	29	Great Belt (DK1-DK2)	53	The cut between South-East and West Norway (NO1-NO5)
11	The Skagerrak interconnection (NO2-DK1)	31	Sweden (SE1)	54	The cut between South-West and West Norway (NO4-NO5)

12	The Sørlandet cut (southern part of Norway, internal NO2)	32	Sweden (SE2)	55	The cut between northern part of Norway and Sweden SE1 (NO4-SE1)
13	The Flesaker cut + The Hallingdal cut (West/North of the Oslo area, internal NO1)	33	Sweden (SE3)	56	The cut between northern part of Norway and Sweden SE2 (NO4-SE2)
14	The Hasle cut (NO1-SE3)	34	Sweden (SE4)	57	The northern interconnections between Finland and Sweden (FI-SE1)
15	The cut between middle part of Norway and SE2 (NO3-SE2)	40	Finland (FI)	58	The southern interconnections between Finland and Sweden (FI-SE3)
17	The cut between southern and middle part of Norway (NO1-NO3)	42	Denmark West (DK1)	60	The connection between West Denmark (DK1) and Germany (DE)
18	The cut between northern and middle part of Norway (NO3-NO4)	43	Denmark East (DK2)	61	The Estlink interconnection (FI-EE)
20	Cut P1 in Finland (internal FI)	44	Kontek (KT)	62	SwePol Link (SE4-PL)
21	Cut 1 in Sweden (SE1-SE2)	45	Norway South-East (NO1)	63	Baltic Cable (SE4-DE)
22	Cut 2 in Sweden (SE2-SE3)	46	Norway South-West (NO2)	64	NorNed (NO2-NL)
23	Cut 4 in Sweden (SE3-SE4)	47	Norway Middle (NO3)	65	Russian interconnections
24	The West coast corridor in Sweden (SE3)	48	Synchronous Area	66	Norway-West (NO5) to/from Norway Middle (NO3) used from 7 March 2016
25	The Konti-Skan interconnection (SE3-DK1)	49	Norway South-East (NO1) to/ from Norway Middle (NO3)	67	NordBalt (SE4-LT) used from 8 December 2015
26	The Øresund interconnection (SE4-DK2)	50	Norway North (NO4)	90	Not available
27	The Kontek interconnection (DK2- KT)	51	The cut between South-West and South-East Norway (NO2-NO1)	99	Other connection