

Electricity demand (TWh/year): Flexible demand0,00						Capacities				Efficiencies		Regulation StrategyTechnical regulation no. 1				Fuel Price level: Basic																
Fixed demand	7,95	Fixed imp/exp.	0,00			Group 2:	MW-e	MJ/s	elec.	Ther	COP	CEEP regulation 000000000				Capacities Storage Efficiency																
Electric heating + HP	2,93	Transportation	0,06			CHP	0	1500	0,40	0,50		Minimum Stabilisation share 0,98				Elec. Storage		MW-e	GWh	Elec.	Ther											
Electric cooling	0,22	Total	11,16			Heat Pump	0	0			3,00	Stabilisation share of CHP 0,00				Charge 1:		0	0	0,80												
District heating (TWh/year)						Gr.1	Gr.2	Gr.3	Sum		Boiler		0		0,90	Minimum CHP gr 3 load 0 MW				Discharge 1:		0	0,90									
District heating demand	1,13	0,00	0,50	1,63		Group 3:						CHP	443	82	0,21	0,47	Minimum PP 0 MW				Charge 2:		420	3	0,80							
Solar Thermal	0,00	0,00	0,00	0,00		Heat Pump	0	0			3,00	Boiler		0		0,90	Heat Pump maximum share 1,00				Discharge 2:		420	0,90								
Industrial CHP (CSHP)	0,00	0,00	0,00	0,00		Condensing	1058		0,29			Distr. lavex_market_price_2020.txt				Electrolysers:		0	0	0,80	0,00											
Demand after solar and CSHP	1,13	0,00	0,50	1,63		Heatstorage: gr.2: 0 GWh						gr.30 GWh						Rockbed Storage:		0	0	1,00										
						Fixed Boiler: gr.2:0,0 Per cent						gr.0,0 Per cent						CAES fuel ratio:		0,000												
Wind						87 MW	0,16	TWh/year	0,00	Grid	Electricity prod. from						CSHP	Waste (TWh/year)	Addition factor		0,00	EUR/MWh	(TWh/year)			Coal	Oil	Ngas	Biomass			
Photo Voltaic	35 MW	0,08	TWh/year	0,00	stabil-	Gr.1:						0,00	0,00	Multiplication factor						1,00	Dependency factor			0,00	EUR/MWh pr. MW	Transport			0,00	13,43	0,01	0,00
River Hydro	172 MW	0,44	TWh/year	0,00	sation	Gr.2:						0,00	0,00	Average Market Price						39	EUR/MWh	Household			1,15	0,41	0,71	13,47				
River Hydro	0 MW	0	TWh/year	0,00	share	Gr.3:						0,00	0,00	Gas Storage						0	GWh	Industry			2,47	1,32	0,89	0,20				
Hydro Power	1685 MW	4,28	TWh/year											Syngas capacity						0	MW	Various			5,83	1,87	1,07	0,39				
Geothermal/Nuclear	0 MW	0	TWh/year											Biogas max to grid						0	MW											

Output

	District Heating										Electricity															Exchange				
	Demand	Production								Ba-lance	Consumption						Production						Balance					Payment Imp Exp Million EUR		
	Distr. heating MW	Solar MW	Waste- CSHP MW	DHP MW	CHP MW	HP MW	ELT MW	Boiler MW	EH MW		Elec- demand MW	Flex.& Transp MW	Elec- troyser HP MW	EH MW	Hydro Pump MW	Tur- bine MW	RES MW	Hy- dro MW	Geo- thermal MW	Waste- CSHP MW	CHP MW	PP MW	Stab- Load %	Imp MW	Exp MW	CEEP MW	EEP MW			
January	391	0	0	271	81	0	0	0	0	39	795	7	4	0	701	0	0	100	488	0	0	435	484	140	0	0	0	0	0	0
February	307	0	0	213	75	0	0	0	0	18	822	7	3	0	550	0	0	84	487	0	0	407	404	144	0	0	0	0	0	0
March	283	0	0	197	72	0	0	0	0	14	761	7	3	0	508	0	0	108	482	0	0	389	297	146	2	0	0	0	0	0
April	190	0	0	132	53	0	0	0	0	5	806	7	2	0	341	0	0	61	486	0	0	288	321	155	0	0	0	0	0	0
May	114	0	0	79	35	0	0	0	0	0	874	7	1	0	204	0	0	50	487	0	0	187	360	159	1	0	0	0	0	0
June	70	0	0	49	21	0	0	0	0	0	1010	7	1	0	126	0	0	59	488	0	0	116	481	156	0	0	0	0	0	0
July	48	0	0	33	15	0	0	0	0	0	1121	7	1	0	86	0	0	62	488	0	0	79	585	152	1	0	0	0	0	0
August	41	0	0	28	12	0	0	0	0	0	1079	7	0	0	73	0	0	58	488	0	0	67	547	155	0	0	0	0	0	0
September	62	0	0	43	19	0	0	0	0	0	1058	7	1	0	111	0	0	67	488	0	0	102	520	153	0	0	0	0	0	0
October	147	0	0	102	45	0	0	0	0	0	984	7	2	0	263	0	0	81	488	0	0	241	447	149	0	0	0	0	0	0
November	256	0	0	178	67	0	0	0	0	11	917	7	3	0	459	0	0	85	487	0	0	361	452	145	0	0	0	0	0	0
December	315	0	0	219	76	0	0	0	0	20	924	7	4	0	565	0	0	109	487	0	0	412	491	140	0	0	0	0	0	0
Average	185	0	0	129	48	0	0	0	0	9	930	7	2	0	332	0	0	77	487	0	0	257	449	150	0	0	0	0	0	Average price
Maximum	610	0	0	424	82	0	0	0	0	104	1577	13	7	0	1094	0	0	233	488	0	0	443	982	210	345	0	0	0	0	(EUR/MWh)
Minimum	9	0	0	6	3	0	0	0	0	0	65	0	0	0	17	0	0	0	307	0	0	15	0	124	0	0	0	0	0	43
TWh/year	1,63	0,00	0,00	1,13	0,42	0,00	0,00	0,00	0,00	0,08	8,17	0,06	0,02	0,00	2,91	0,00	0,00	0,68	4,28	0,00	0,00	2,25	3,95		0,00	0,00	0,00	0,00	0	0

FUEL BALANCE (TWh/year):													Waste/ CAES BioCon-Electro-				PV and Wind off				Industry			Imp/Exp Corrected		CO2 emission (Mt)	
	DHP	CHP2	CHP3	Boiler2	Boiler3	PP	Geo/Nu.Hydro	HTL	Elc.ly.	version	Fuel	Wind	CSP	Wave	Hydro	Solar.Tr	Transp.househ.	Various	Total	Imp/Exp	Net	Total	Net				
Coal	0,54	-	0,84	-	-	13,55	-	-	-	-	-	-	-	-	-	-	-	1,15	8,29	24,37	0,01	24,38	10,09	10,09			
Oil	0,01	-	-	-	-	0,00	-	-	-	-	-	-	-	-	-	-	13,43	0,41	3,18	17,04	0,00	17,04	4,45	4,45			
N.Gas	0,40	-	-	-	-	0,00	-	-	-	-	-	-	-	-	-	-	0,82	0,71	1,99	3,92	0,00	3,92	0,91	1,10			
Biomass	0,31	-	0,04	-	-	0,00	-	-	-	-	-	-	-	-	-	-	-	13,47	0,59	14,41	0,00	14,41	0,00	0,00			
Renewable	-	-	-	-	-	-	-	4,28	-	-	-	0,16	0,08	-	4,71	-	-	-	-	4,95	0,00	4,95	0,00	0,00			
H2 etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0,00	0,00	0,00	0,00				
Biofuel	-	-	0,00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0,00	0,00	0,00	0,00				
Nuclear/CCS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0,00	0,00	0,00	0,00				
Total	1,25	-	0,88	-	-	13,55	-	4,28	-	-	-	0,16	0,08	-	4,71	-	14,25	15,74	14,06	64,69	0,01	64,70	15,46	15,64			

