



Electricity demand (GWh/year):		Flexible demand		0.00		Group 2:	Capacities		Efficiencies		Regulation Strategy: Technical regulation no. 1 CEEP regulation 000000000 Minimum Stabilisation share 0.00 Stabilisation share of CHP 0.00 Minimum CHP gr 3 load 0 kW Minimum PP 0 kW Heat Pump maximum share 1.00 Maximum import/export 9999999 kW	Fuel Price level:					
Fixed demand	32.49	Fixed imp/exp.	0.00		kW-e		kJ/s	elec.	Ther	COP		Capacities Storage Efficiencies					
Electric heating + HP	0.00	Transportation	0.00									Elec. Storage	kW-e	MWh	Elec. Ther.		
Electric cooling	0.00	Total	32.49									Charge 1:	0	0	0.90		
District heating (GWh/year)		Gr.1	Gr.2	Gr.3	Sum	Group 3:					Distr. Name : CEIS_PUN_2030_LC.txt Addition factor 0.00 EUR/MWh Multiplication factor 1.00 Dependency factor 0.00 EUR/MWh pr. MW Average Market Price 80 EUR/MWh Gas Storage 0 MWh Syngas capacity 0 kW Biogas max to grid 0 kW	Discharge 1:		0	0.90		
District heating demand	0.00	0.00	0.00	0.00	CHP		0	0	0.40	0.50		Charge 2:	0	0	0.72		
Solar Thermal	0.00	0.00	0.00	0.00	Heat Pump		0	0				Discharge 2:	0		0.51		
Industrial CHP (CSHP)	0.00	0.00	0.00	0.00	Boiler			0	0.90			Electrolysers:	7940	0	0.72	0.00	
Demand after solar and CSHP		0.00	0.00	0.00	0.00	Condensing	0		0.53		Rockbed Storage:		0	0	1.00		
						Heatstorage: gr.2: 0 MWh		gr.3: 0 MWh				CAES fuel ratio:		0.000			
						Fixed Boiler: gr.2: 0.0 Per cent		gr.3: 0.0 Per cent				(GWh/year)		Coal	Oil	Ngas	Biomass
						Electricity prod. from CSHP		Waste (GWh/year)				Transport		0.00	59.85	0.00	0.00
Wind 350 kW		2.43	GWh/year	0.00	Grid	Gr.1: 0.00		0.00				Household		14.50	0.00	15.12	20.70
Photo Voltaic 7824 kW		8.4	GWh/year	0.00	stabili-	Gr.2: 0.00		0.00				Industry		0.00	0.00	0.00	0.00
River Hydro 0 kW		0	GWh/year	0.00	sation	Gr.3: 0.00		0.00				Various		0.00	0.00	0.00	0.00
CSP Solar Power 0 kW		0	GWh/year	0.00	share												
Hydro Power 7000 kW		19.14	GWh/year														
Geothermal/Nuclear 0 kW		0	GWh/year														

Output

	District Heating										Electricity																Exchange			
	Demand	Production								Ba- lance kW	Consumption						Production						Balance					Payment Imp Exp 1000 EUR		
	Distr. heating kW	Solar kW	CSHP kW	DHP kW	CHP kW	HP kW	ELT kW	Boiler kW	EH kW		Elec. demand kW	Flex.& Transp. kW	Elec- trolyser kW	EH kW	Hydro Pump kW	Tur- bine kW	RES kW	Hy- dro kW	Geo- thermal kW	Waste+ CSHP kW	CHP kW	PP kW	Stab- Load %	Imp kW	Exp kW	CEEP kW	EEP kW			
January	0	0	0	0	0	0	0	0	0	0	3736	0	0	4332	0	0	0	731	1317	0	0	0	0	100	6021	1	0	1	409	0
February	0	0	0	0	0	0	0	0	0	0	3556	0	0	2855	0	0	0	876	1119	0	0	0	0	100	4474	58	0	58	255	3
March	0	0	0	0	0	0	0	0	0	0	3352	0	0	1733	0	0	0	1295	1324	0	0	0	0	100	2695	228	0	228	152	11
April	0	0	0	0	0	0	0	0	0	0	3478	0	0	712	0	0	0	1454	2157	0	0	0	0	100	1120	540	0	540	61	22
May	0	0	0	0	0	0	0	0	0	0	3487	0	0	0	0	0	0	1497	2782	0	0	0	0	100	161	952	0	952	10	47
June	0	0	0	0	0	0	0	0	0	0	3686	0	0	0	0	0	0	1842	3547	0	0	0	0	100	29	1733	0	1733	2	88
July	0	0	0	0	0	0	0	0	0	0	3990	0	0	0	0	0	0	1791	2868	0	0	0	0	100	249	919	0	919	16	52
August	0	0	0	0	0	0	0	0	0	0	4168	0	0	0	0	0	0	1628	2571	0	0	0	0	100	529	560	0	560	36	33
September	0	0	0	0	0	0	0	0	0	0	3713	0	0	0	0	0	0	1324	2373	0	0	0	0	100	504	489	0	489	33	28
October	0	0	0	0	0	0	0	0	0	0	3605	0	0	0	0	0	0	1039	2046	0	0	0	0	100	778	258	0	258	55	16
November	0	0	0	0	0	0	0	0	0	0	3583	0	0	0	0	0	0	646	2393	0	0	0	0	100	710	167	0	167	51	9
December	0	0	0	0	0	0	0	0	0	0	4009	0	0	0	0	0	0	655	1638	0	0	0	0	100	1735	20	0	20	112	1
Average	0	0	0	0	0	0	0	0	0	0	3698	0	0	798	0	0	0	1233	2179	0	0	0	0	100	1579	494	0	494	Average price	
Maximum	0	0	0	0	0	0	0	0	0	0	6132	0	0	7940	0	0	0	5767	3779	0	0	0	0	100	10963	5457	0	5457	(EUR/MWh)	
Minimum	0	0	0	0	0	0	0	0	0	0	1511	0	0	0	0	0	0	91	1007	0	0	0	0	100	0	0	0	0	86	71
GWh/year	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.49	0.00	0.00	7.01	0.00	0.00	0.00	10.83	19.14	0.00	0.00	0.00	0.00		13.87	4.34	0.00	4.34	11930	EUF310

FUEL BALANCE (GWh/year):										Waste/ CAES BioCon- Electro- PV and Wind off										Industry					Imp/Exp Corrected		CO2 emission (kt):	
DHP	CHP2	CHP3	Boiler2	Boiler3	PP	Geo/Nu.	Hydro	HTL	Elc.ly.	version	Fuel	Wind	CSP	Wave	Hydro	Solar.Th.	Transp.	househ.	Various	Total	Imp/Exp	Net	Total	Net				
Coal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.06	-	9.06	0.00	9.06	2.09	2.09				
Oil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59.85	-	-	59.85	0.12	59.97	15.98	16.01				
N.Gas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.47	-	10.47	7.90	18.37	2.12	3.71				
Biomass	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.70	-	20.70	9.96	30.66	0.00	0.00				
Renewable	-	-	-	-	-	-	19.14	-	-	-	-	2.43	8.40	-	19.14	18.58	-	-	-	48.55	0.00	48.55	0.00	0.00				
H2 etc.	-	-	-	-	-	-	-	-	-10.12	-	-	-	-	-	-	-	-	10.12	-	0.00	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	0.00				
Total	-	-	-	-	-	-	19.14	-	-10.12	-	-	2.43	8.40	-	19.14	18.58	59.85	50.34	-	148.62	17.99	166.60	20.19	21.82				

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