

alt2BHeatPumps-savings.txt										The EnergyPLAN model 12.4									
Electricity demand (TWh/year):		Flexible demand		0,00				Capacities		Efficiencies		Regulation Strategy: Technical regulation no. 1				Fuel Price level: Basic			
Fixed demand		0,00		Fixed imp/exp.		0,00		Group 2:		MW-e MJ/s elec. Ther COP		CEEP regulation 000000000							
Electric heating + HP		9,34		Transportation		0,00		CHP		0 0 0,40 0,50		Minimum Stabilisation share 0,00				Capacities Storage Efficiencies			
Electric cooling		0,00		Total		9,34		Heat Pump		0 0 3,00		Stabilisation share of CHP 0,00				MW-e GWh elec. Ther.			
District heating (TWh/year)		Gr.1		Gr.2		Gr.3		Boiler		5000 0,90		Minimum CHP gr 3 load 0 MW				Hydro Pump: 99999 11000 0,90			
District heating demand		0,00		0,00		0,00		Group 3:		0 0 0,40 0,50		Minimum PP 0 MW				Hydro Turbine: 99999 0,89			
Solar Thermal		0,00		0,00		0,00		CHP		0 0 0,40 0,50		Heat Pump maximum share 0,50				Electrol. Gr.2: 0 0 0,80 0,10			
Industrial CHP (CSHP)		0,00		0,00		0,00		Heat Pump		0 0 3,00		Maximum import/export 0 MW				Electrol. Gr.3: 0 0 0,80 0,10			
Demand after solar and CSHP		0,00		0,00		0,00		Boiler		5000 0,90						Electrol. trans.: 0 0 0,80			
								Condensing		0 0,45		Distr. Name : Hour_nordpool.txt				Ely. MicroCHP: 0 0 0,80			
												Addition factor 0,00 DKK/MWh				CAES fuel ratio: 0,000			
												Multiplication factor 2,00				(TWh/year) Coal Oil Ngas Biomass			
												Dependency factor 0,00 DKK/MWh pr. MW				Transport 0,00 0,00 0,00 0,00			
												Average Market Price 227 DKK/MWh				Household 0,00 0,00 0,00 0,00			
												Gas Storage 0 GWh				Industry 0,00 0,00 0,00 0,00			
												Syngas capacity 0 MW				Various 0,00 0,00 0,00 0,00			
												Biogas max to grid 0 MW							
Wind		2650 MW		10,03 TWh/year		0,00 Grid		Heatstorage: gr.2: 10 GWh		gr.3: 10 GWh									
Photo Voltaic		0 MW		0 TWh/year		0,00 stabili-		Fixed Boiler: gr.2: 0,0 Per cent		gr.3: 0,0 Per cent									
Offshore Wind		0 MW		0 TWh/year		0,00 sation		Electricity prod. from CSHP		Waste (TWh/year)									
River Hydro		0 MW		0 TWh/year		0,00 share		Gr.1: 0,00 0,00											
Hydro Power		0 MW		0 TWh/year				Gr.2: 0,00 0,00											
Geothermal/Nuclear		0 MW		0 TWh/year				Gr.3: 0,00 0,00											

Output		WARNING!!: (3) PP/Import problem																																
District Heating											Electricity																	Exchange						
Demand	Production									Ba- lance MW	Consumption						Production						Balance					Payment Imp Exp Million DKK						
Distr. heating MW	Solar MW	CSHP MW	DHP MW	CHP MW	HP MW	ELT MW	Boiler MW	EH MW	Elec. demand MW		Flex.& Transp. MW	HP MW	Elec- trolyser 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	0	0	0	0	0	0	0	0	0		0	0	0	1954	0	0	190	717	1427	0	0	0	0	0	100	0	0	0	0	0	0	0		
February	0	0	0	0	0	0	0	0	0	0	0	0	2043	0	0	154	883	1314	0	0	0	0	0	100	0	0	0	0	0	0	0			
March	0	0	0	0	0	0	0	0	0	0	0	0	1572	0	0	100	732	940	0	0	0	0	0	100	0	0	0	0	0	0	0			
April	0	0	0	0	0	0	0	0	0	0	0	0	1188	0	0	337	347	1153	0	0	0	0	0	100	25	0	0	0	0	3	0			
May	0	0	0	0	0	0	0	0	0	0	0	0	876	0	0	312	227	962	0	0	0	0	0	100	0	0	0	0	0	0	0			
June	0	0	0	0	0	0	0	0	0	0	0	0	257	0	0	602	27	832	0	0	0	0	0	100	0	0	0	0	0	0	0			
July	0	0	0	0	0	0	0	0	0	0	0	0	257	0	0	698	19	936	0	0	0	0	0	100	0	0	0	0	0	0	0			
August	0	0	0	0	0	0	0	0	0	0	0	0	257	0	0	883	13	1127	0	0	0	0	0	100	0	0	0	0	0	0	0			
September	0	0	0	0	0	0	0	0	0	0	0	0	531	0	0	424	95	861	0	0	0	0	0	100	0	0	0	0	0	0	0			
October	0	0	0	0	0	0	0	0	0	0	0	0	917	0	0	556	130	1343	0	0	0	0	0	100	0	0	0	0	0	0	0			
November	0	0	0	0	0	0	0	0	0	0	0	0	1287	0	0	359	237	1409	0	0	0	0	0	100	0	0	0	0	0	0	0			
December	0	0	0	0	0	0	0	0	0	0	0	0	1648	0	0	209	461	1396	0	0	0	0	0	100	0	0	0	0	0	0	0			
Average	0	0	0	0	0	0	0	0	0	0	0	0	1063	0	0	403	322	1141	0	0	0	0	0	100	2	0	0	0	0	Average price				
Maximum	0	0	0	0	0	0	0	0	0	0	0	0	6173	0	0	2283	5205	2650	0	0	0	0	0	100	1416	0	0	0	0	(DKK/MWh)				
Minimum	0	0	0	0	0	0	0	0	0	0	0	0	193	0	0	0	0	14	0	0	0	0	0	100	0	0	0	0	0	185 -				
TWh/year	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	9,34	0,00	0,00	3,54	2,83	10,03	0,00	0,00	0,00	0,00	0,00	0,02	0,00	0,00	0,00	0,00	3	0				
FUEL BALANCE (TWh/year):											CAES BioCon- Electro-																	Industry			Imp/Exp Corrected		CO2 emission (Mt):	
	DHP	CHP2	CHP3	Boiler2	Boiler3	PP		Geo/Nu.	Hydro	Waste	Elec.ly.	version	Fuel	Wind	PV	Offsh.	Hydro	Solar.Th	Transp.	househ.	Various	Total	Imp/Exp	Corrected Net	Total	Net								
Coal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0,00	0,00	0,00	0,00	0,00								
Oil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0,00	0,00	0,00	0,00	0,00								
N.Gas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0,00	0,00	0,00	0,00	0,00								
Biomass	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0,00	0,00	0,00	0,00	0,00								
Renewable	-	-	-	-	-	-	-	-	-	-	-	-	-	10,03	-	-	-	-	-	-	-	10,03	0,00	10,03	0,00	0,00								
H2 etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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	-	-	-	-	-	-	-	-	-	-	-	-	-	10,03	-	-	-	-	-	-	-	10,03	0,04	10,07	0,00	0,00								