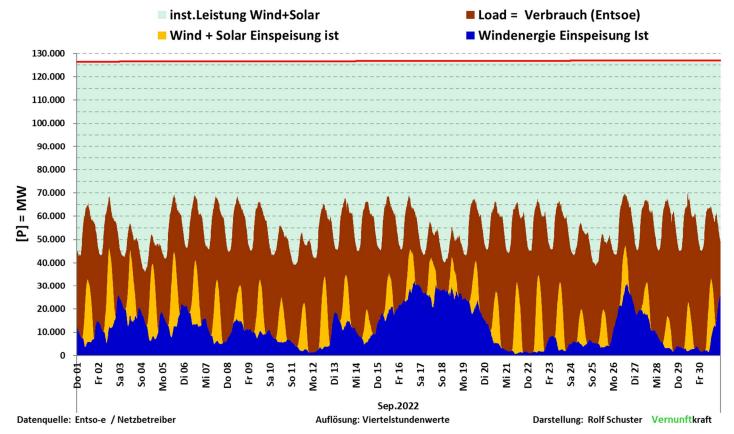
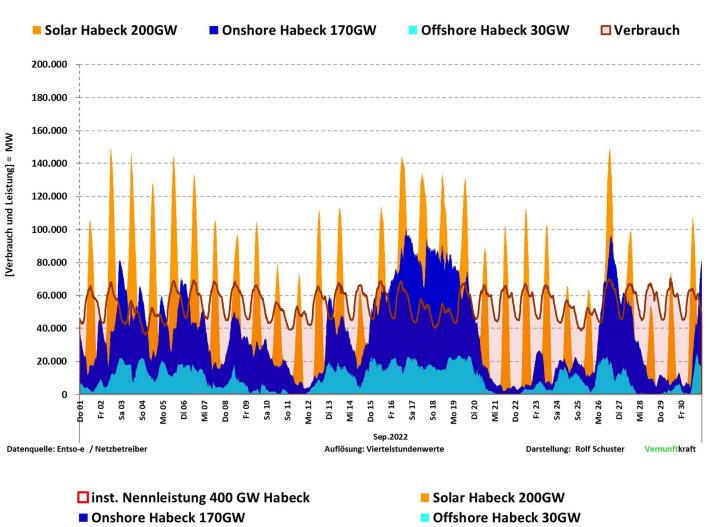
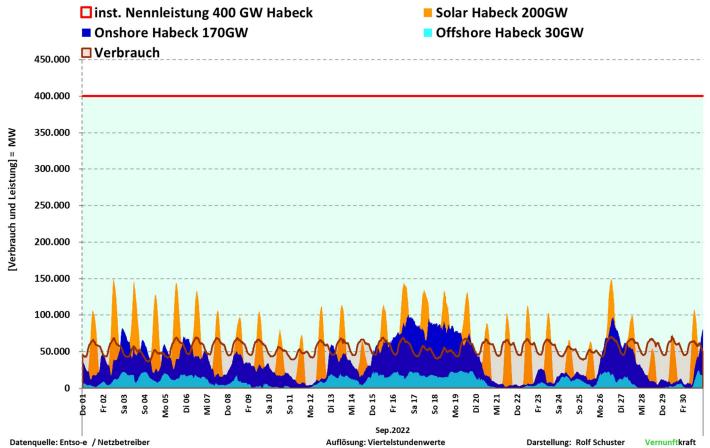
Diese Grafiken und Tabellen sind zu Unterrichtszwecken und privater Nutzung freigegeben Rolf Schuster

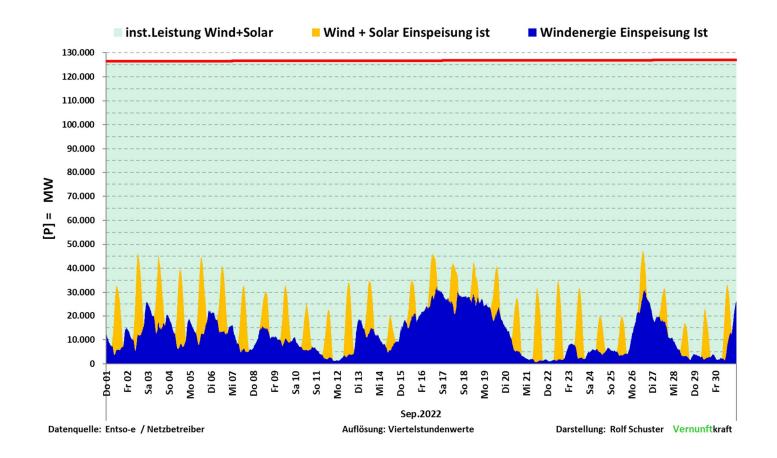


Sep 2022	Load D	Wind	Solar	Wind + Solar	Proz. der Nennleist.
inst. Nennleistung		64.935MW	62.056MW	126.991MW	
Max	70.581MW	32.348MW	34.275MW	47.281MW	37,23%
Mittelwert	54.610MW	11.542MW	6.668MW	18.209MW	14,34%
Min	36.199MW	660MW	0MW	967MW	0,76%
Summe Monat	39.319GWh	8.310GWh	4.801GWh	13.111GWh	14,34%

Darstellung der Visionen von Dr. Robert Habeck zum Ausbau der "Erneuerbaren "bis 2030"

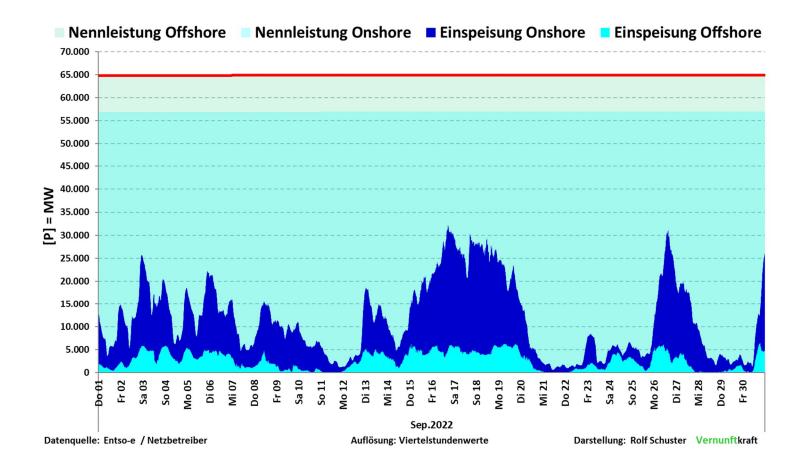






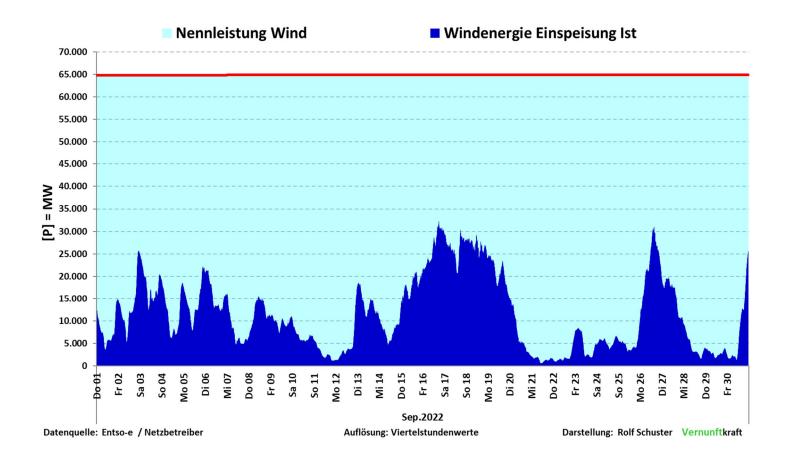
Sep 2022	Wind	Solar	Wind + Solar	Proz. der Nennleist.
inst. Nennleistung	64.935MW	62.056MW	126.991MW	100,0%
max. Einspeiseleistung	32.348MW	34.275MW	47.281MW	37,2%
Mittelwert	11.542MW	6.668MW	18.209MW	14,3%
min. Einspeiseleistung	660MW	0MW	967MW	0,76%
Summe	8.310GWh	4.801GWh	13.111GWh	

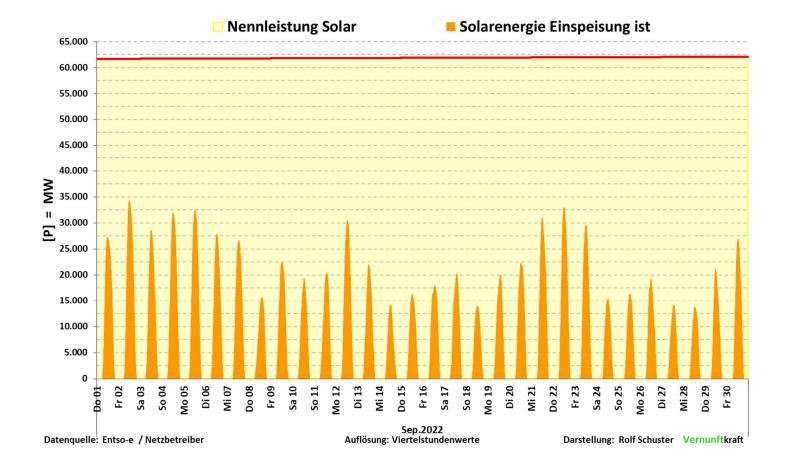
Summe der erzeugten E	13.111GWh			
Verteilung der Einspeisung nach Klassen				
0% bis 10% NL	265,00 h	36,8%		
11% bis 20% NL	258,25 h	35,9%		
21% bis 30% NL	151,50 h	21,0%		
31% bis 40% NL	45,25 h	6,3%		
größer 40%	0,00 h	0,0%		
Summe	720,00 h	100,0%		



Sep 2022	Kennzahlen Wind	Kennzahlen Onshore	Kennzahlen Offshore	Proz. der Nennleist.	Proz. der Nennleist.	Proz. der Nennleist.
inst. Nennleistung	64.935MW	56.999MW	7.936MW	100,0%	100,0%	100,0%
max. Einspeiseleistung	32.348MW	27.429MW	6.483MW	49,8%	48,1%	81,7%
Mittelwert	11.542MW	8.890MW	2.652MW	17,8%	15,6%	33,4%
min. Einspeiseleistung	660MW	406MW	3MW	1,016%	0,712%	0,034%
Summe	8.310,0GWh	6.400,6GWh	1.909,4GWh			

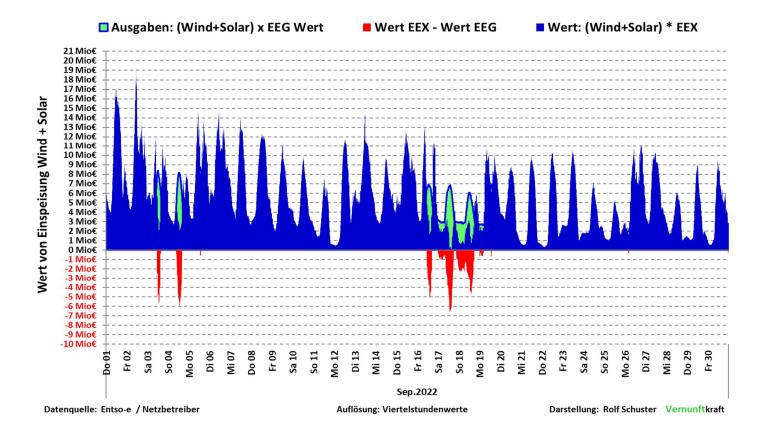
Summe der erzeugten Ene	8.310GWh		
Verteilung der Einspeisung nach Klassen			
0% bis 10% NL	37,4%		
11% bis 30% NL	309,00 h	42,9%	
31% bis 50% NL	141,75 h	19,7%	
51% bis 70% NL	0,00 h	0,0%	
größer 70%	0,00 h	0,00%	
Summe Stunden	720,00 h	100,0%	



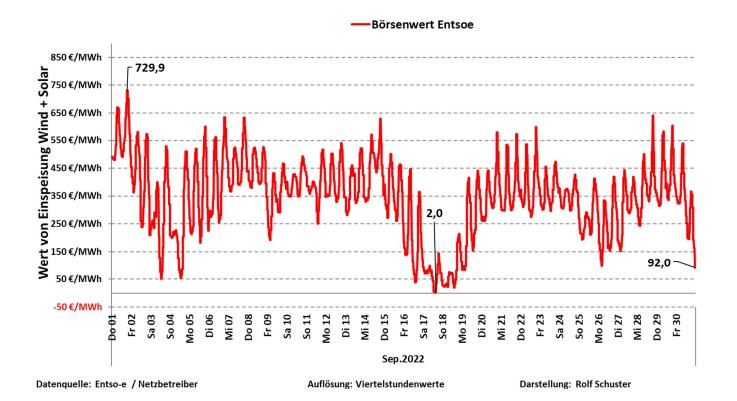


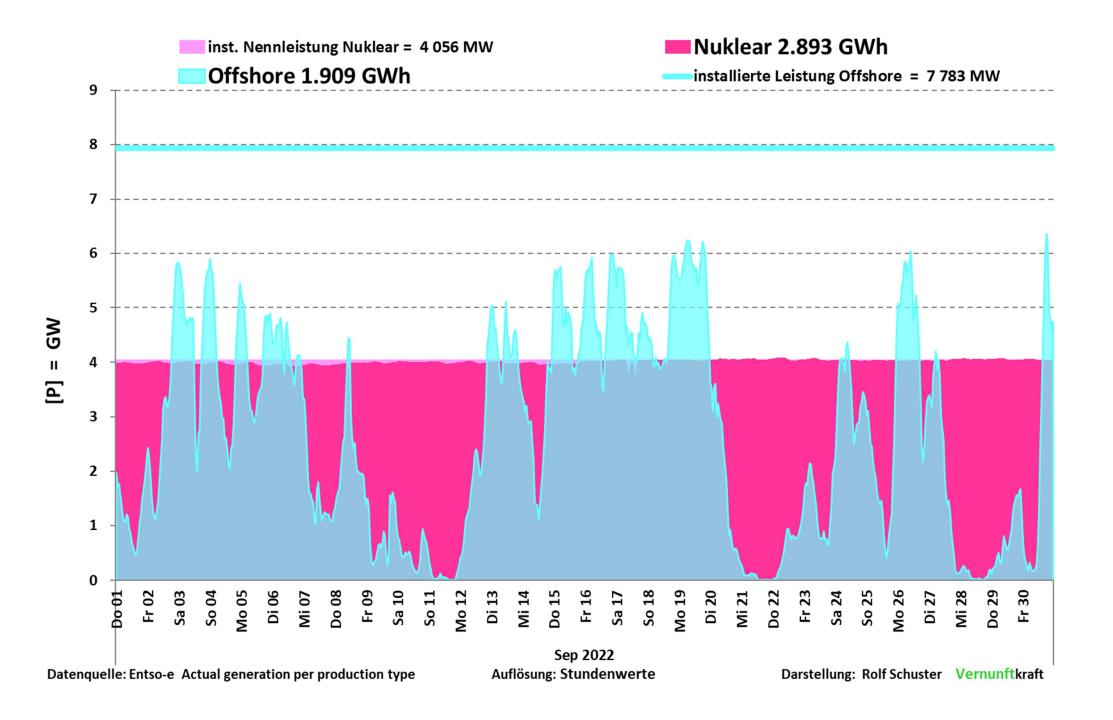
Sep 2022	Kennzahlen Solar	Proz. der Nennleist.
inst. Nennleistung	62.056MW	100,0%
max. Einspeiseleistung	34.275MW	55,2%
Mittelwert	6.668MW	10,7%
min. Einspeiseleistung	0MW	0,0%
Summe	4.801GWh	

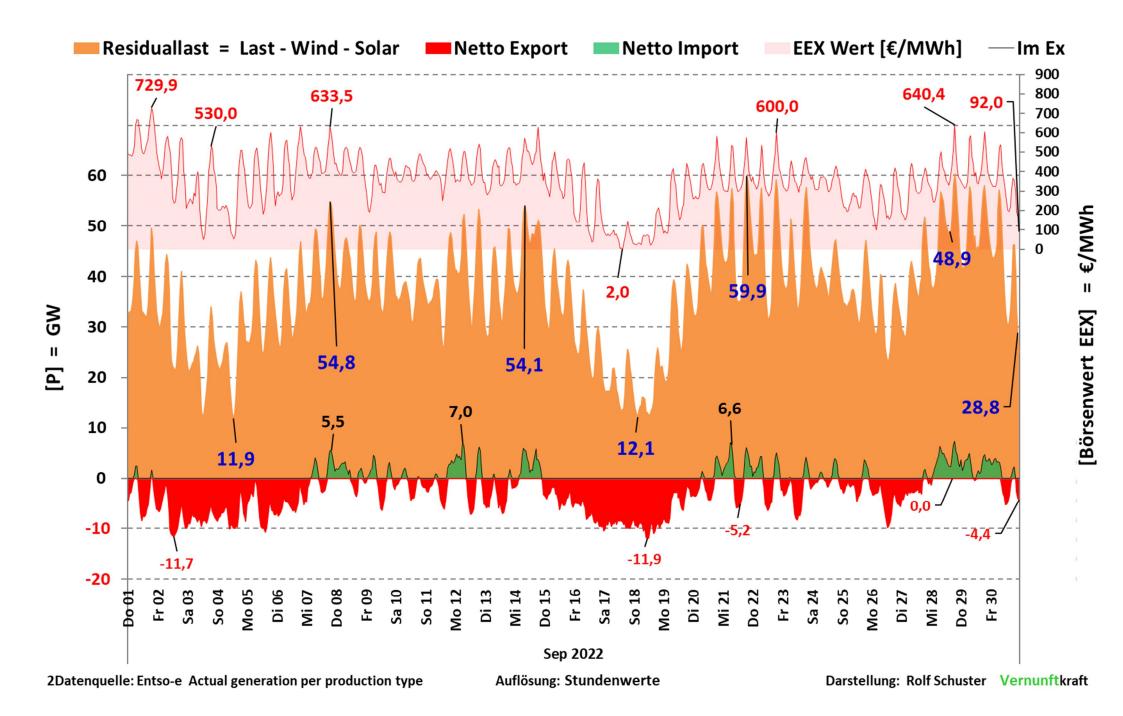
Summe der erzeugten En	4.801GWh			
Verteilung der Einspeisung nach Klassen				
Einsp. = 0 MW	43,7%			
1% bis 20% NL	217,50 h	30,2%		
21% bis 40% NL	139,25 h	19,3%		
größer 40%	48,75 h	6,8%		
Summe	720,00 h	100,0%		

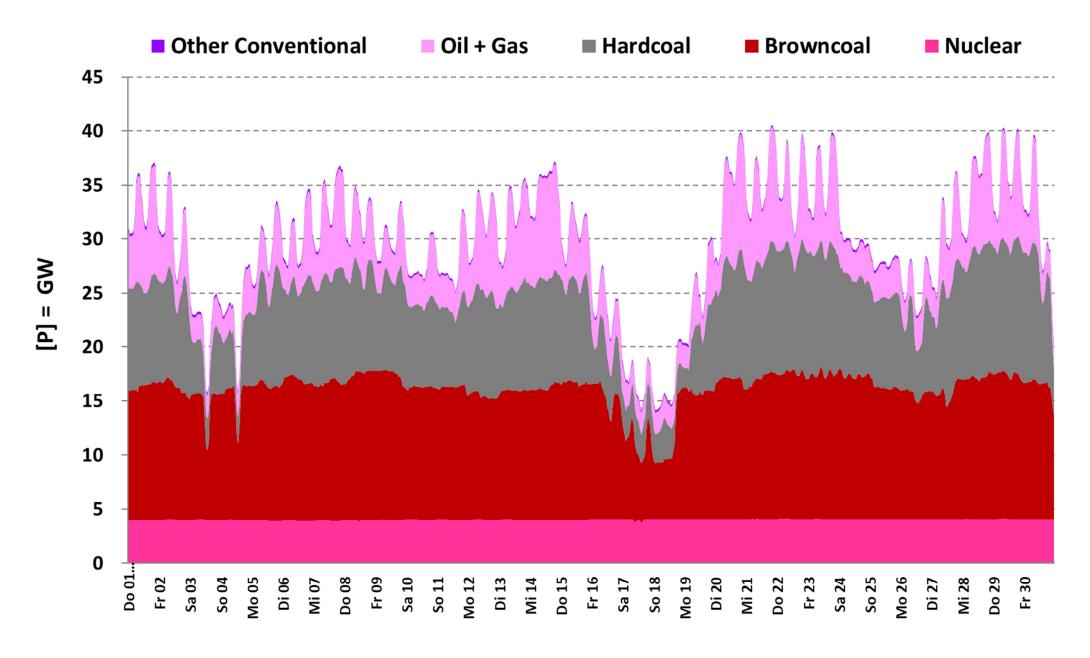


Sep.2022	Wind + Solar EEG-Wert	Wind + Solar Börsenwert EEX	Differenz EEX-Wert - EEG-Wert	EEX Preis
Max / h	9.169.006,0 €	19.199.433,9 €		729,90 €/MWh
Mittel / h	2.793.146,7 €	5.520.233,6 €		346,12 €/MWh
Min /h	89.537,0 €	76.586,8 €		2,00 €/MWh
Summe Mon.	2.011.065.652,3 €	3.974.568.203,0 €	1.963.502.550,8 €	



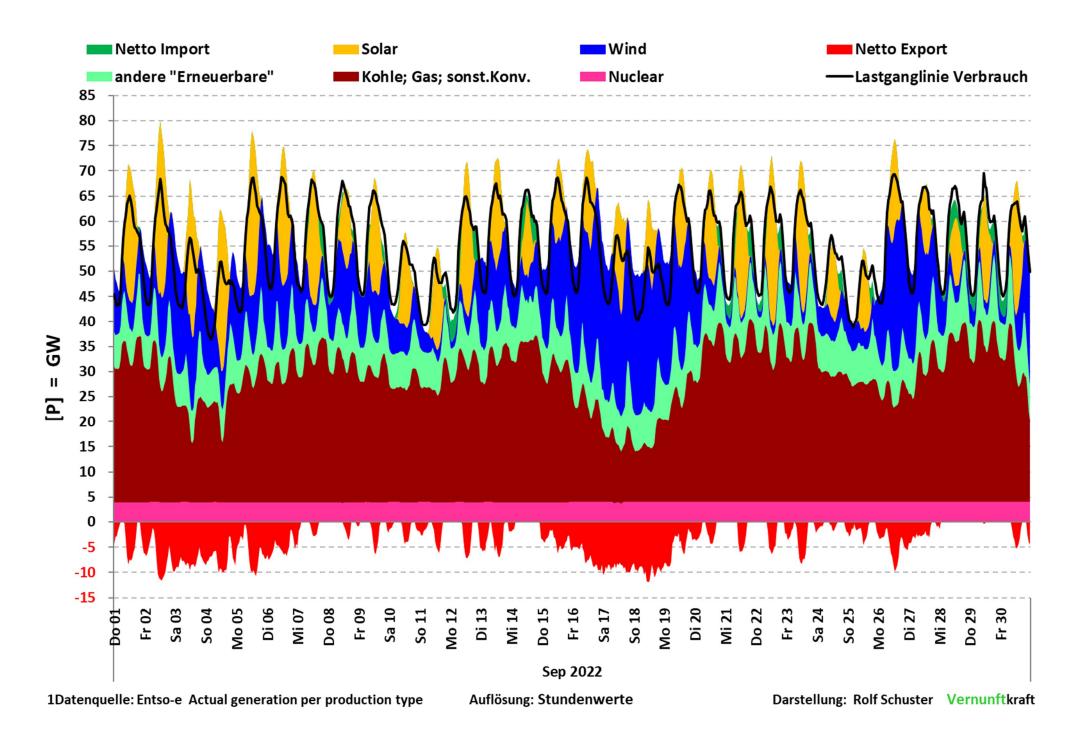


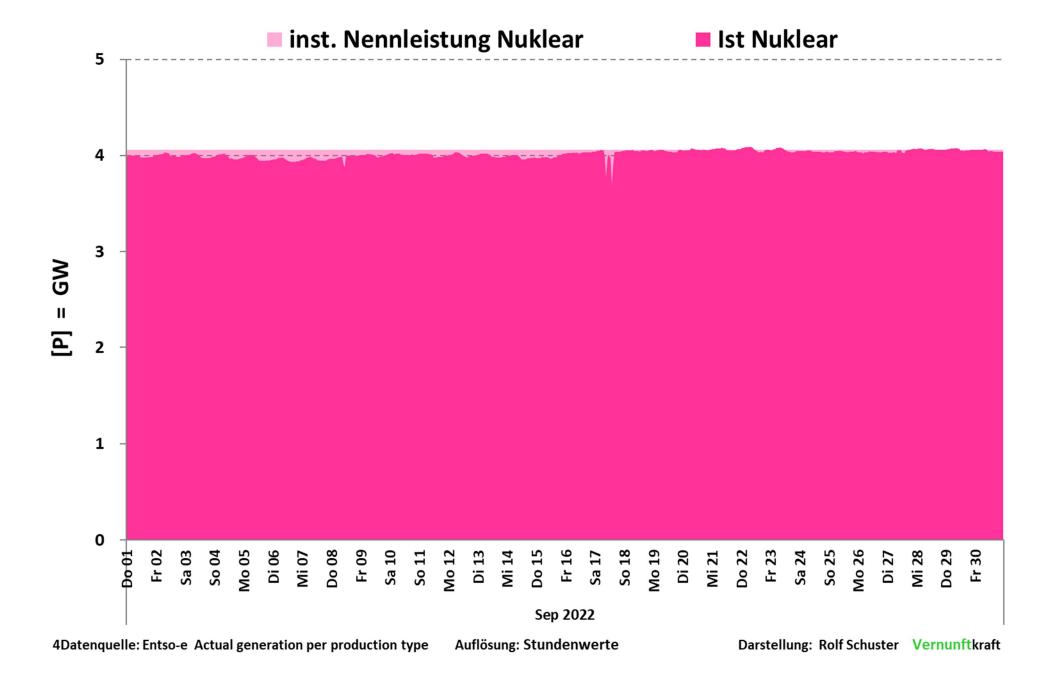


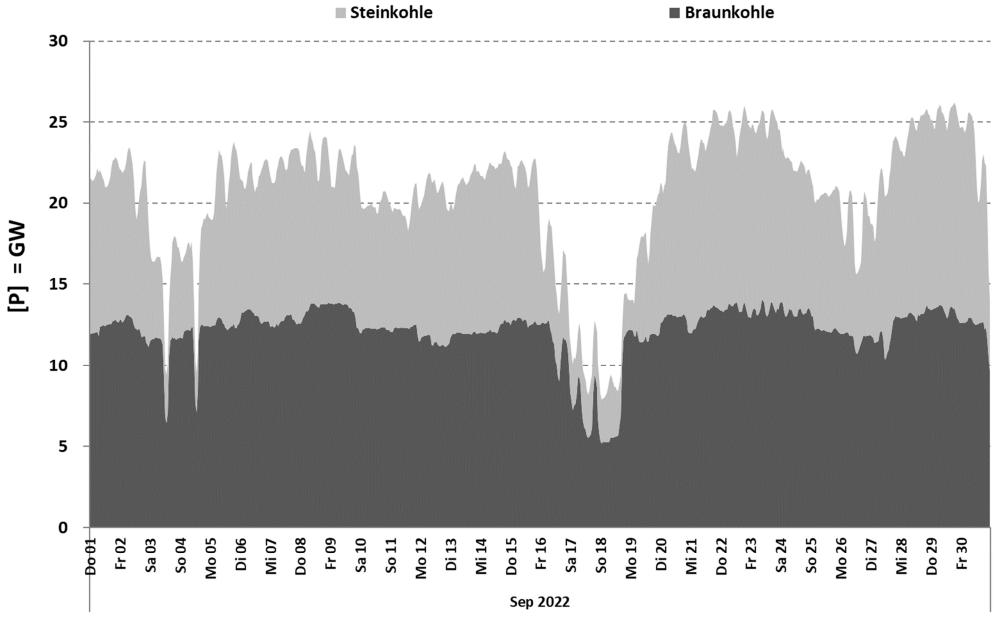


3Datenquelle: Entso-e Actual generation per production type

Auflösung: Stundenwerte

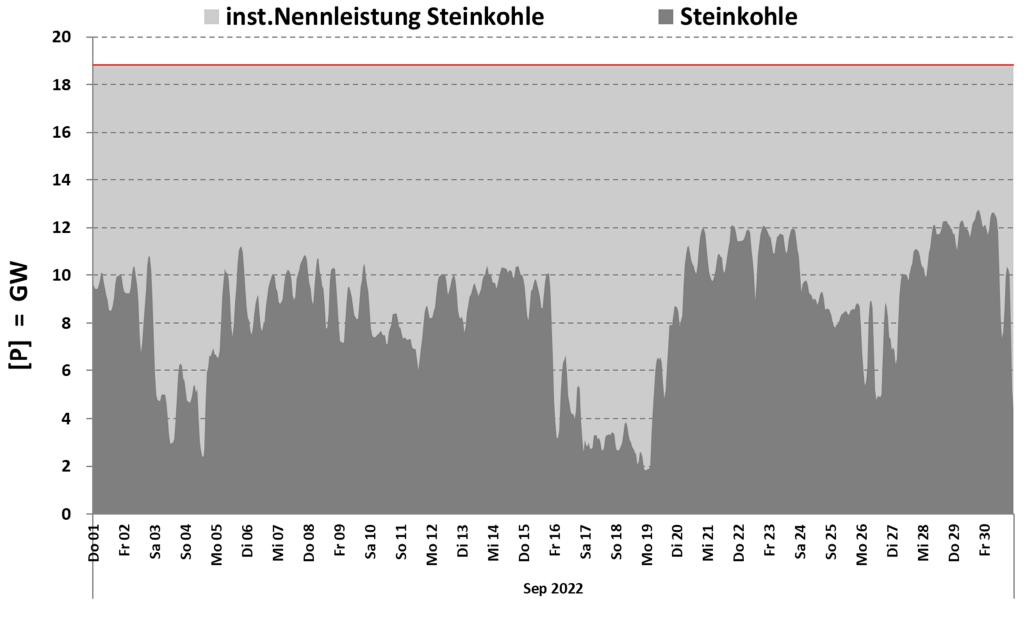






5Datenquelle: Entso-e Actual generation per production type

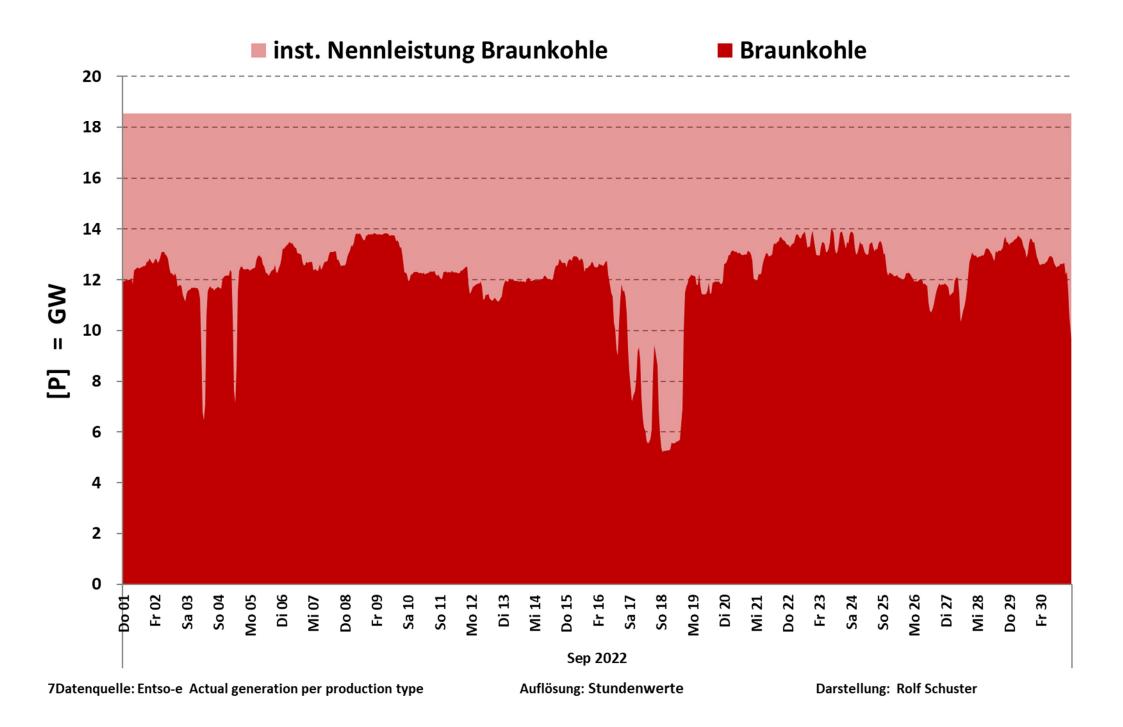
Auflösung: Stundenwerte

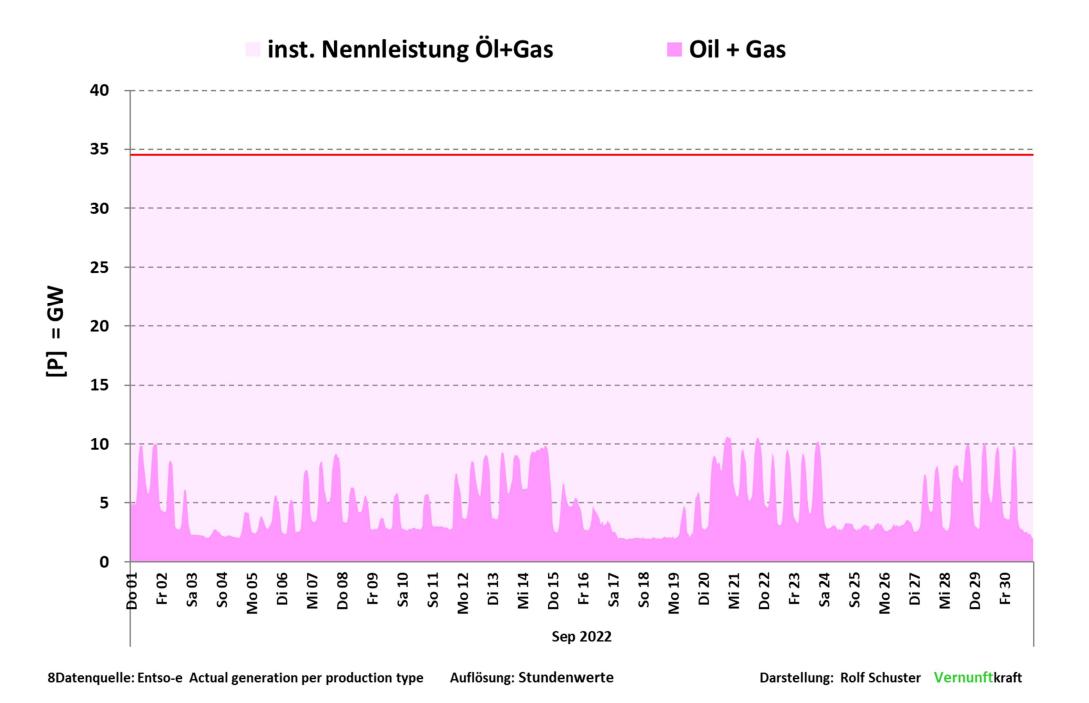


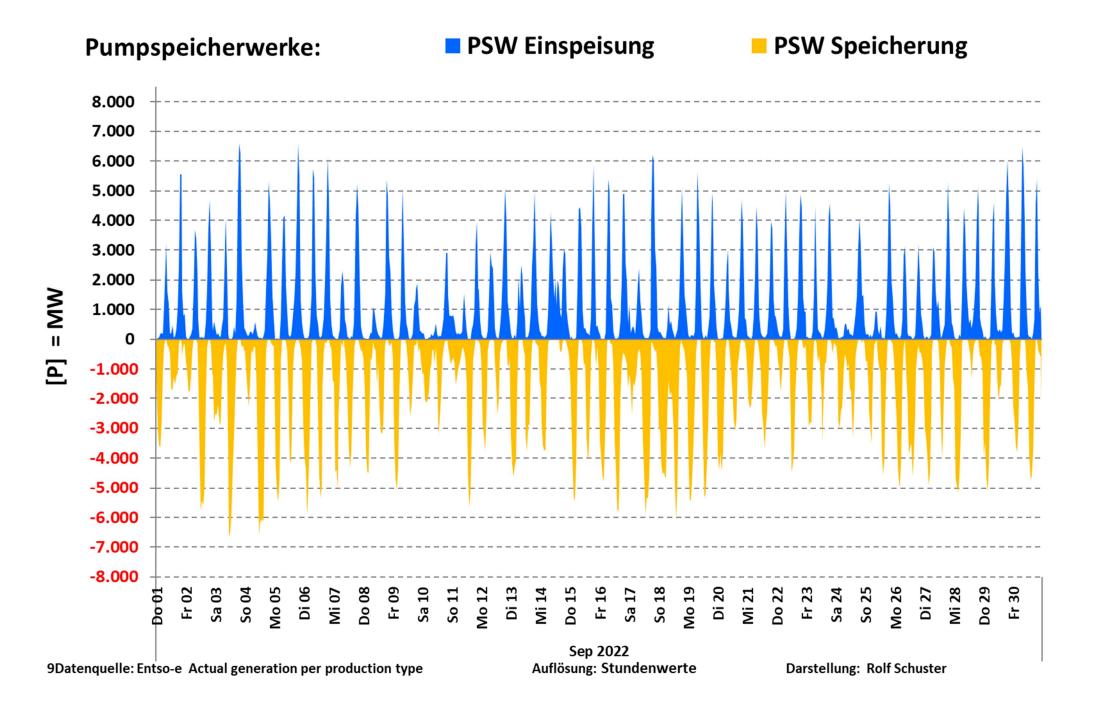
6Datenquelle: Entso-e Actual generation per production type

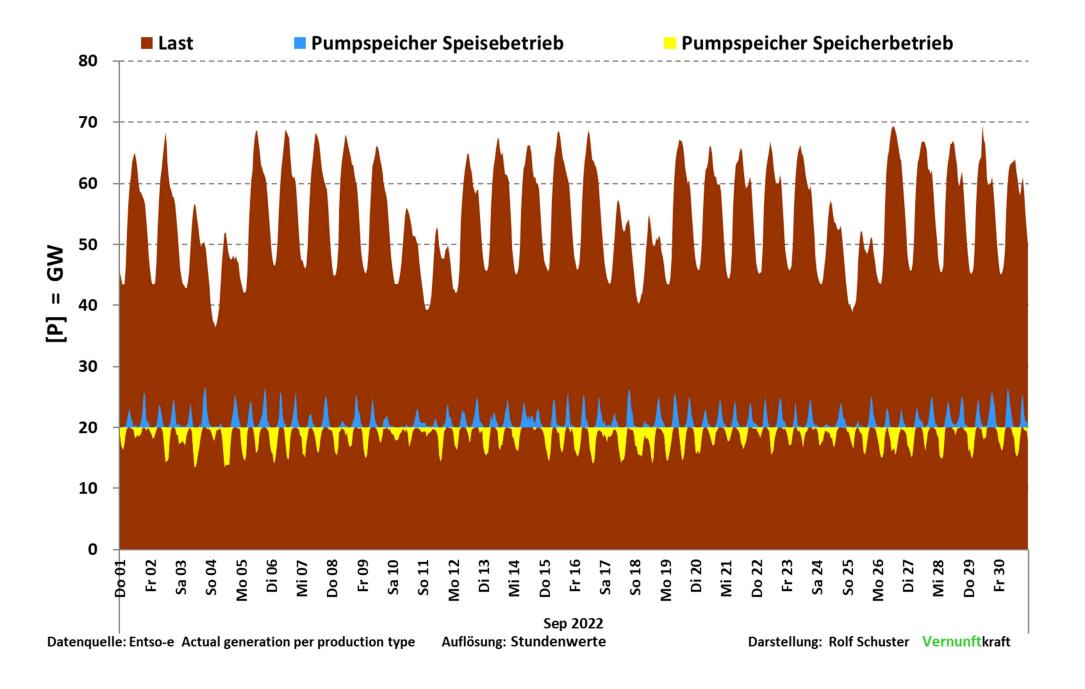
Auflösung: Stundenwerte

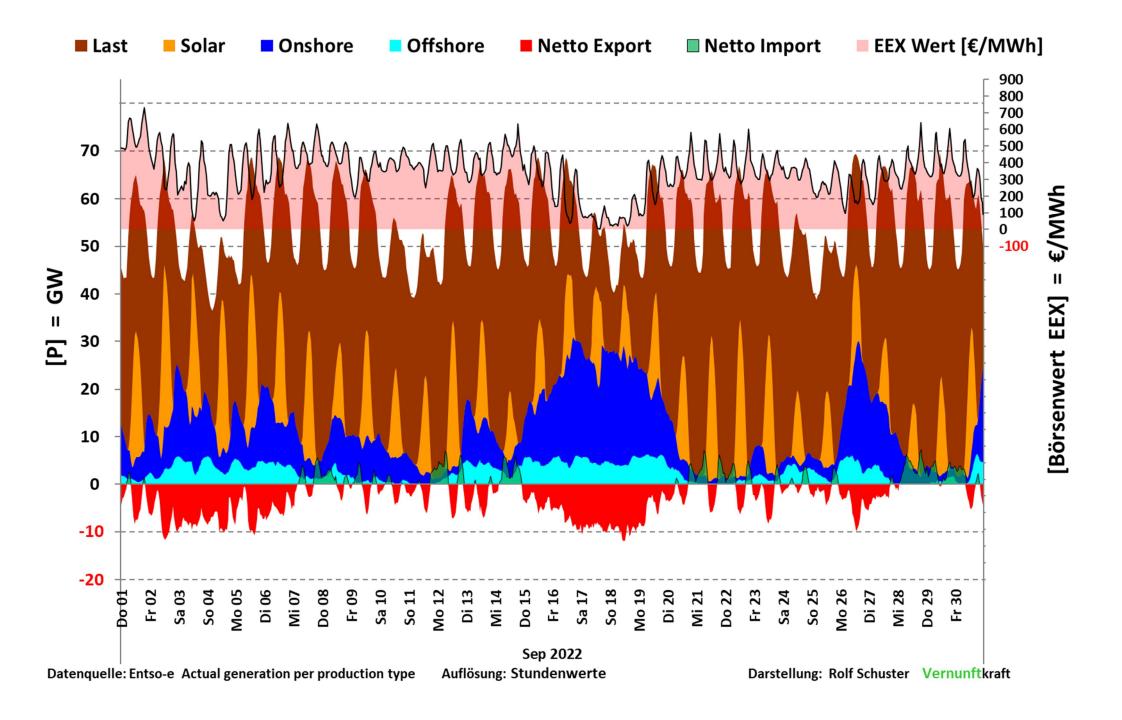
Darstellung: Rolf Schuster

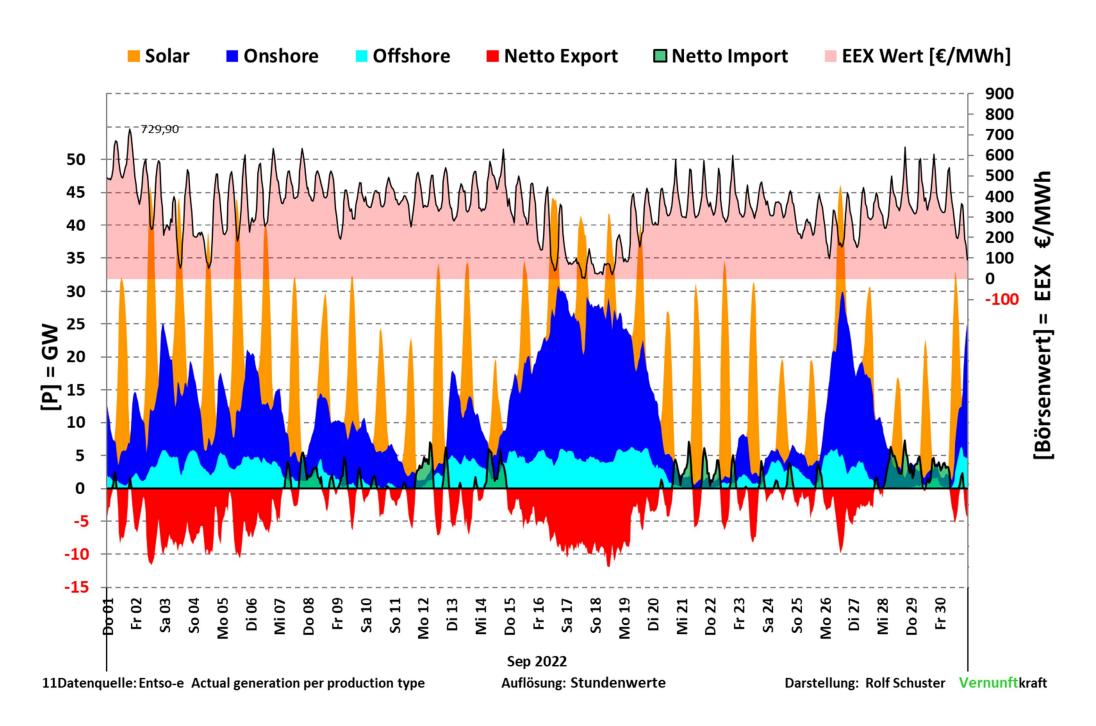


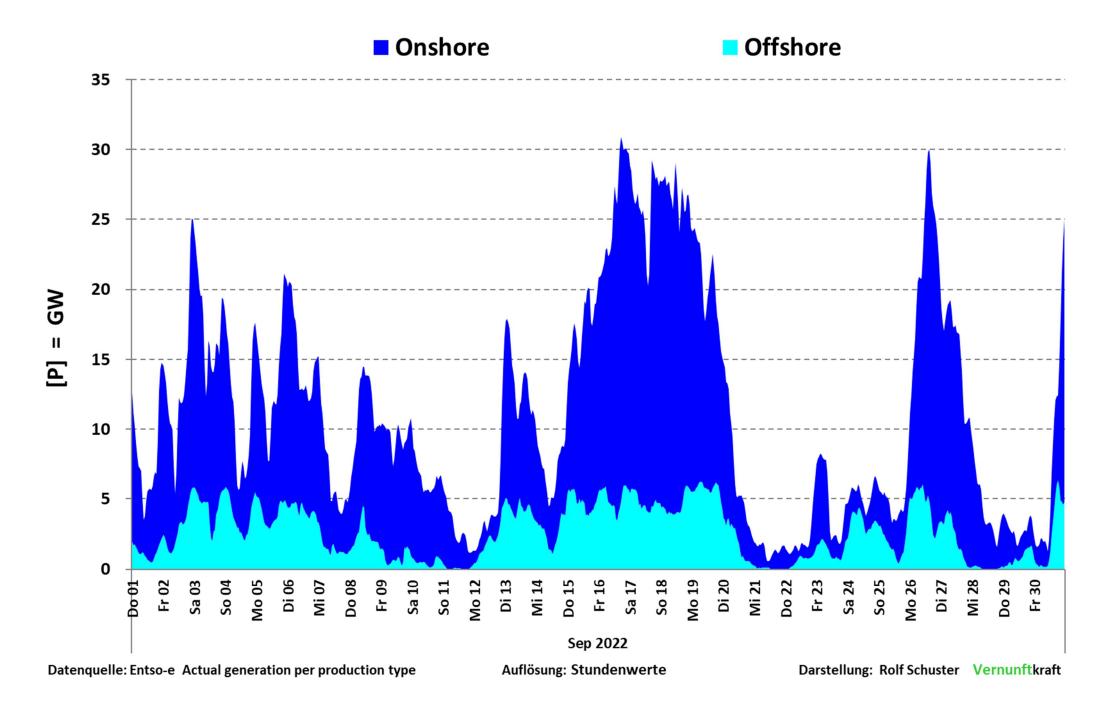




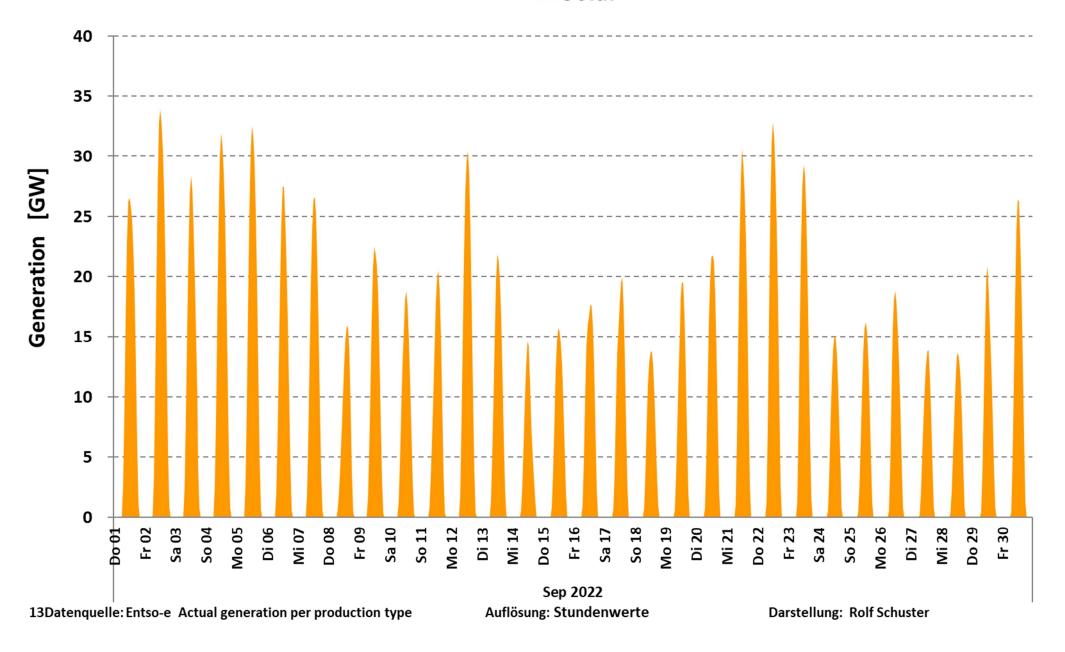


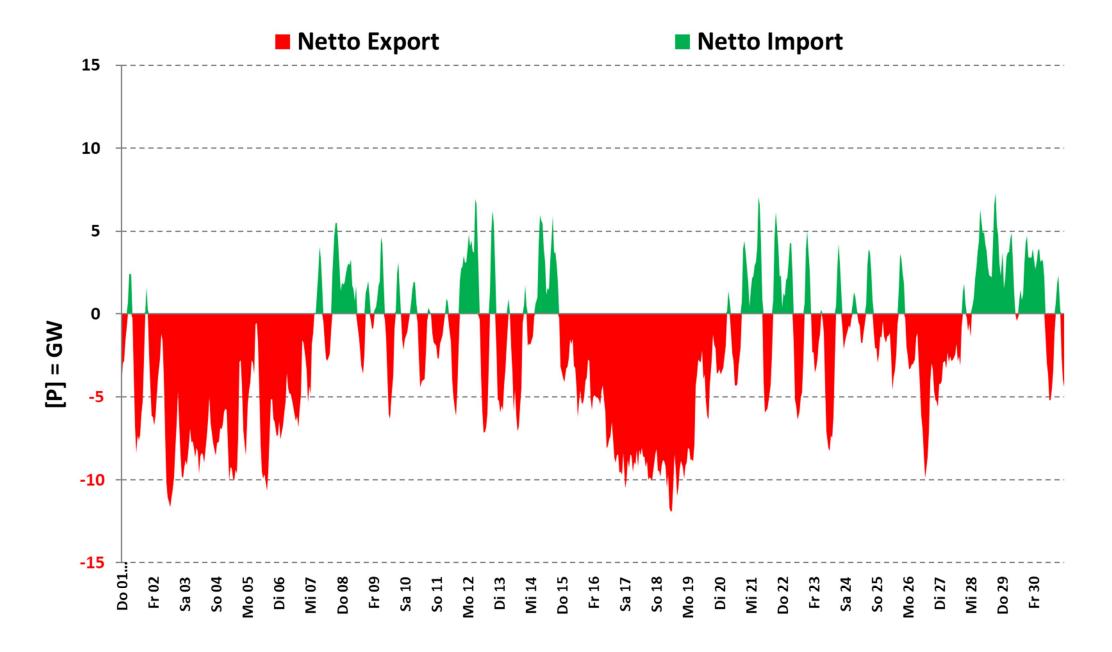






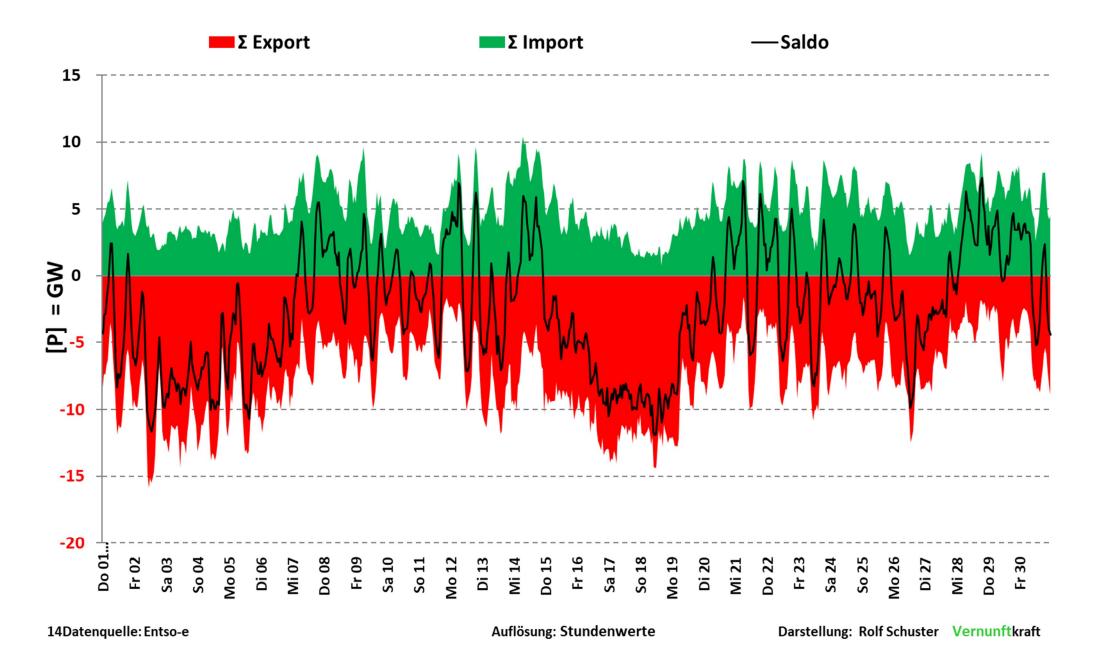
Solar

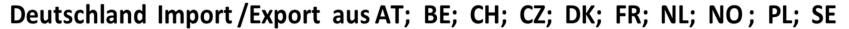


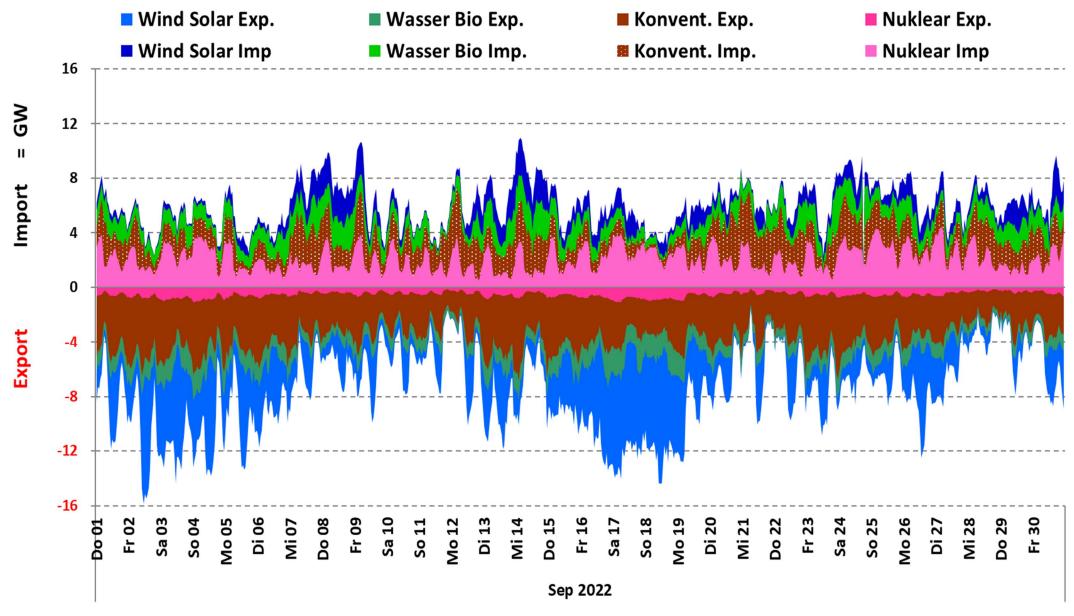


15Datenquelle: Entso-e

Auflösung: Stundenwerte







Datenquelle: Entso-e Auflösung: Stundenwerte