



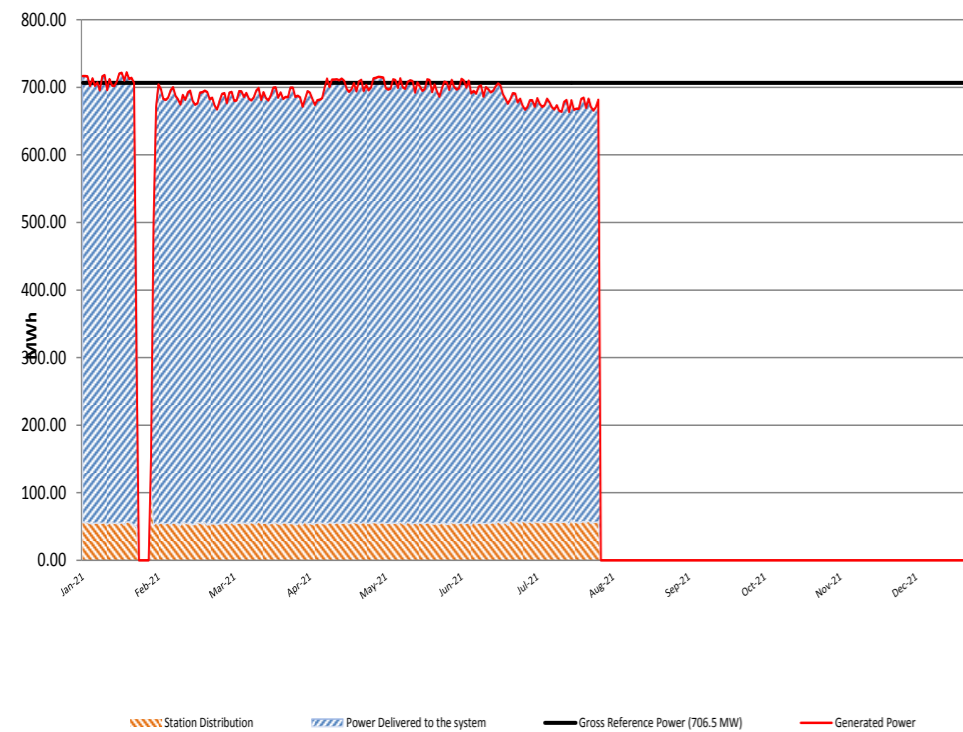
# Cernavoda NPP UNIT 1 and UNIT 2 Since in Service



## STATION PERFORMANCES SINCE COMMERCIAL

Year	2007		2008		2009		2010		2011		2012		2013		2014		2015		2016		2017		2018		2019		2020		2021		TOTAL since commercial	
	U1	U2 Since comm.	U1	U2	U1	U2	U1	U2	U1	U2	U1	U2	U1	U2	U1	U2	U1	U2	U1	U2	U1	U2	U1	U2	U1	U2	U1	U2	U1	U2		
(Gross) [MWh]	6,005,176	961,986	5,227,976	5,997,832	6,158,677	5,593,082	5,622,273	6,001,219	6,133,868	5,613,336	5,383,713	6,082,523	6,121,295	5,497,112	5,624,363	6,051,210	5,997,389	5,642,430	5,196,358	6,089,566	5,985,828	5,523,037	5,386,742	5,990,693	5,787,876	5,492,291	5,395,905	6,070,500	3,405,106	2,843,762	137,900,771	79,450,579
Total Power (Net) [MWh]	5,518,346	887,239	4,805,476	5,528,108	5,661,651	5,158,248	5,167,231	5,537,520	5,633,142	5,177,835	4,948,204	5,615,317	5,622,015	5,073,743	5,164,376	5,589,304	5,504,930	5,204,743	4,765,824	5,622,376	5,485,440	5,094,710	4,928,499	5,530,839	5,292,668	5,075,542	4,963,253	5,611,815	3,131,249	2,628,094	126,940,965	73,335,432
Gross Capacity Factor [%]	97.62	93.23	84.83	96.92	100.12	90.64	91.53	97.24	99.67	91.07	87.16	98.47	99.4	89.15	91.14	98.5	96.92	92.23	83.78	99.09	97.14	89.72	87.31	97.43	93.86	89.18	87.29	98.32	95.12	79.63	90.65	93.82

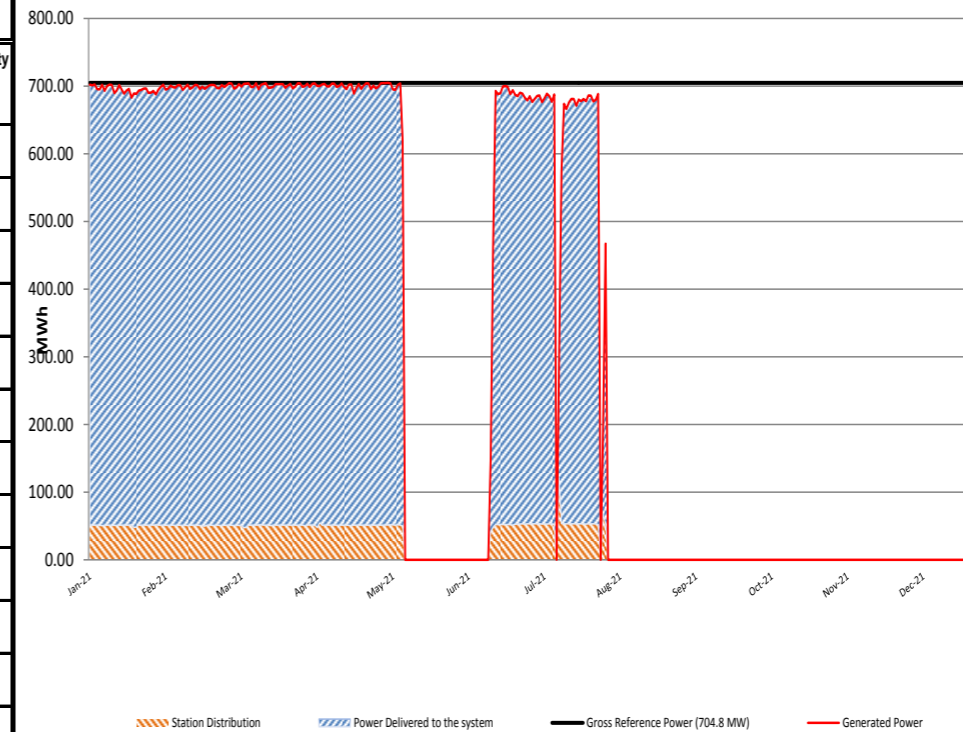
Unit 1 - Commercial Operation in 2021



Commercial Operation in 2021 - Unit 1

Month	Generated Power (Gross) [MWh]	Net Power [MWh]	Gross Capacity Factor [%]
January	404,448	372,171	77.19
February	461,290	424,380	97.78
March	511,607	470,492	98.08
April	502,535	462,551	99.21
May	523,570	482,515	99.86
June	500,281	460,098	98.59
July	501,375	459,041	95.66
August			
September			
October			
November			
December			
<b>TOTAL</b>	<b>3,405,106</b>	<b>3,131,249</b>	<b>95.12</b>

Unit 2 - Commercial Operation in 2021



Commercial Operation in 2021 - Unit 2

Month	Generated Power (Gross) [MWh]	Net Power [MWh]	Gross Capacity Factor [%]
January	517,194	478,600	99.55
February	469,876	434,978	99.74
March	520,688	482,167	99.87
April	504,193	466,676	99.67
May	141,501	130,921	27.00
June	261,234	240,443	51.48
July	429,076	394,307	81.83
August			
September			
October			
November			
December			
<b>TOTAL</b>	<b>2,843,762</b>	<b>2,628,094</b>	<b>79.63</b>

1. 23 ianuarie 2021, ora 2:00 - Oprire Neplanificata programata U1ON58, pentru inlocuire compensator 1-4323-P02, durata 163 ore, energie pierduta 111979 MWh.

1. 09 mai 2021 ora 11 Oprire Planificata U2OP21; durata 36.29 zile (871 ore); data sincronizarii la SEN 14 iunie 2021 (prima sincronizare); desincronizare la ora 13:55 pentru efectuarea testelor de supratentie la T/G; resincronizare la SEN la 14 iunie 2021 ora 17:58.  
 2. 10 Iulie 2021, ora 18:03 Oprire Neplanificata U2ON32 prin declansarea releului de protectie Pole discordance, durata a fost de 51,6 ore, sincronizarea la SEN avand loc pe data de 12 Iulie 2021 ora 21:39  
 3. 28 Iulie 2021, ora 23:08 Oprire Neplanificata U2ON33 prin declansarea turbogeneratorului din cauza unui defect din SEN, durata a fost de 46,25 ore, sincronizarea la SEN avand loc pe data de 30 Iulie 2021 ora 21:23

### Commissioning Station Statistics

	Unit 1 Since first connection to the grid until commercial (July 11, 1996 - December 2, 1996)	Unit 2 Since first connection to the grid until commercial (August 7, 2007 - November 1, 2007)
Total Generated Power (Gross) [MWh]	878,833	741,858
Total Power (Net) [MWh]	724,401	672,957

### Lifetime Station Statistics Since First Connection to the Grid

	Unit 1 Since first connection to the grid until the present (July 11, 1996 - July 2021)	Unit 2 Since first connection to the grid until the present (August 7, 2007 - July 2021)
Total Generated Power (Gross) [MWh]	138,779,604	80,192,437
Total Power (Net) [MWh]	127,665,366	74,008,389