



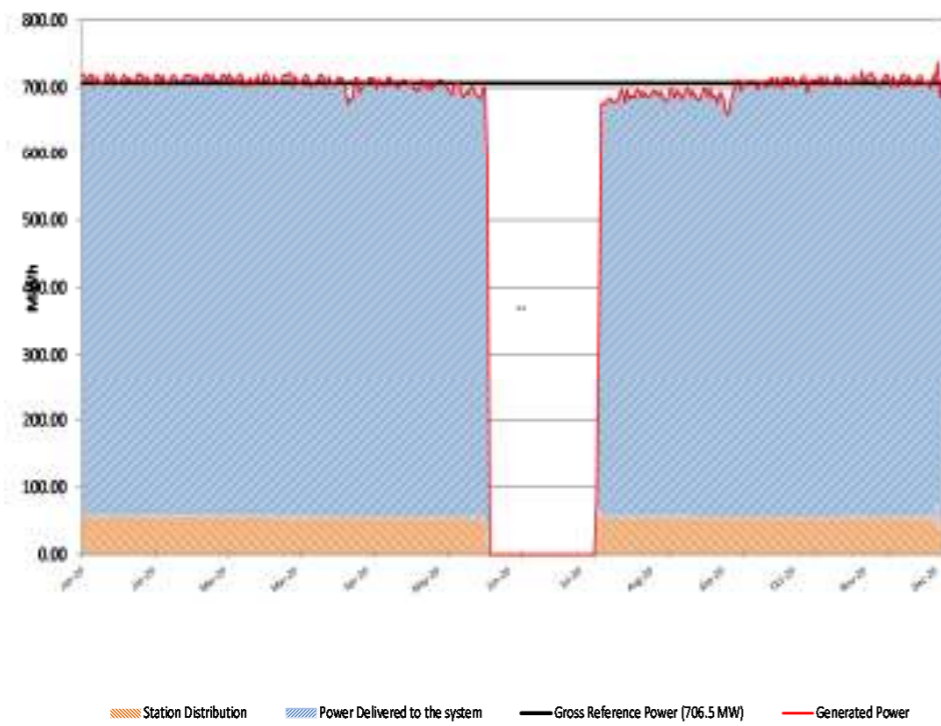
# Cernavoda NPP UNIT 1 and UNIT 2 Since in Service



## STATION PERFORMANCES SINCE COMMERCIAL

Year	2007		2008		2009		2010		2011		2012		2013		2014		2015		2016		2017		2018		2019		2020		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		
(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	134,495,665	76,606,817
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	123,809,716	70,707,338
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	90.54	94.45

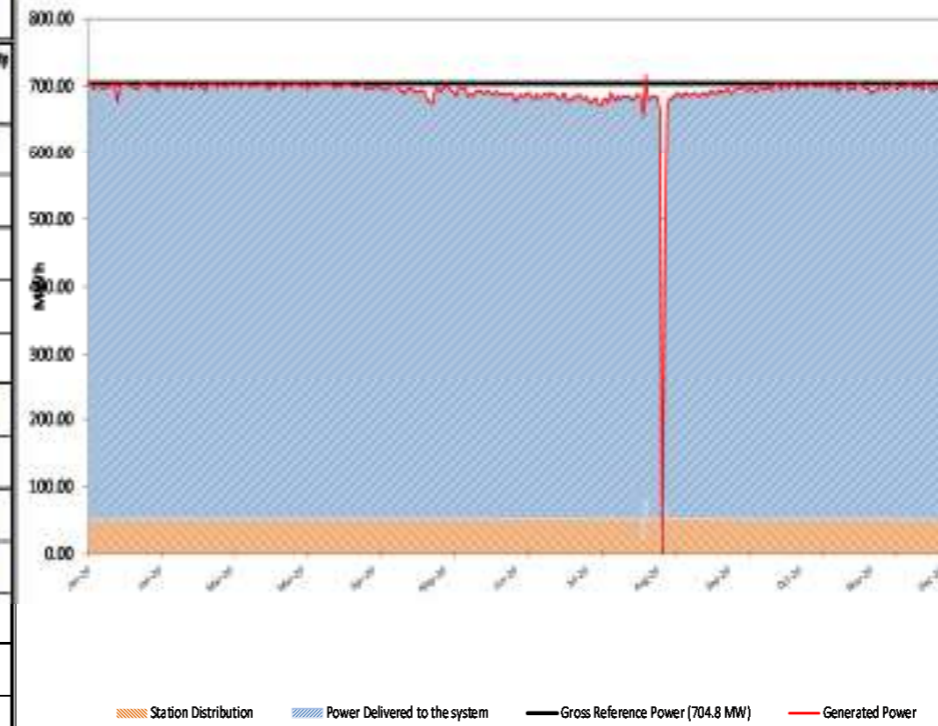
Unit 1 - Commercial Operation in 2020



Commercial Operation in 2020 - Unit 1

Month	Generated Power (Gross) [MWh]	Net Power [MWh]	Gross Capacity Factor [%]
January	530,432	487,268	101.53
February	496,946	456,506	101.64
March	529,568	486,927	101.37
April	508,474	468,121	100.38
May	525,488	484,152	100.10
June	324,014	298,279	63.75
July	0	0	0
August	418,622	383,417	79.87
September	485,106	454,677	97.84
October	526,477	485,077	100.34
November	512,202	472,058	101.05
December	528,376	486,770	101.11
<b>TOTAL</b>	<b>5,395,905</b>	<b>4,963,253</b>	<b>86.01</b>

Unit 2 - Commercial Operation in 2020



Commercial Operation in 2020 - Unit 2

Month	Generated Power (Gross) [MWh]	Net Power [MWh]	Gross Capacity Factor [%]
January	520,917	482,146	99.67
February	487,941	451,531	99.93
March	521,720	482,815	100
April	504,868	467,194	99.77
May	516,812	477,671	98.57
June	497,094	459,334	96.13
July	509,397	489,920	97.39
August	470,783	433,657	88.63
September	485,831	457,579	97.71
October	520,966	482,130	99.28
November	503,571	465,793	99.77
December	520,800	482,045	99.7
<b>TOTAL</b>	<b>6,070,500</b>	<b>5,611,815</b>	<b>98.19</b>

- 22 aprilie 2020, ora 1:00 - Reducere de putere pentru curatarea camerei de apa F, durata 75 ore, energie pierduta 1123 MWh, echivalent cu 1.7 ore FP.
- 20 iunie 2020, ora 10:53 - 5 august 2020, ora 19:09 Oprire anuala Planificata 1112 ore (1053 ore planificate si 59 ore extensie neplanificata).
- 5 august 2020, ora 21:34 - 6 august 2020, ora 4:04 Oprire neplanificata (declansare manuala a Turbinei ca urmare presiunii scazute in GA) 6.5 ore, RCA 2020-03467.

- 13 ianuarie 2020, ora 8:00 - reducere de putere neplanificata U2 (tranzient cauzat de introducerea partiala a barelor de oprire ale SDS#1, PR 88%), durata 12 ore; energie pierduta 599 MWh, echivalent cu 0.9 ore FP; RCA 2020-00185.
- 22 mai, ora 24:00 - Reducere de putere pentru curatarea camerei de apa F, durata 72 ore, energie pierduta 1498.5 MWh, echivalent cu 2.3 ore FP.
- 29 august 2020, ora 8:21 - 31 august 2020, ora 7:00 - Oprire neplanificata (declansare Turbina pe nivel scazut in Degazor) 46.5 ore, RCA 2020-03858.

### 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 - November 2020)	Unit 2 Since first connection to the grid until the present (August 7, 2007 - November 2020)
Total Generated Power (Gross) [MWh]	135,374,498	77,348,675
Total Power (Net) [MWh]	124,534,117	71,380,295