



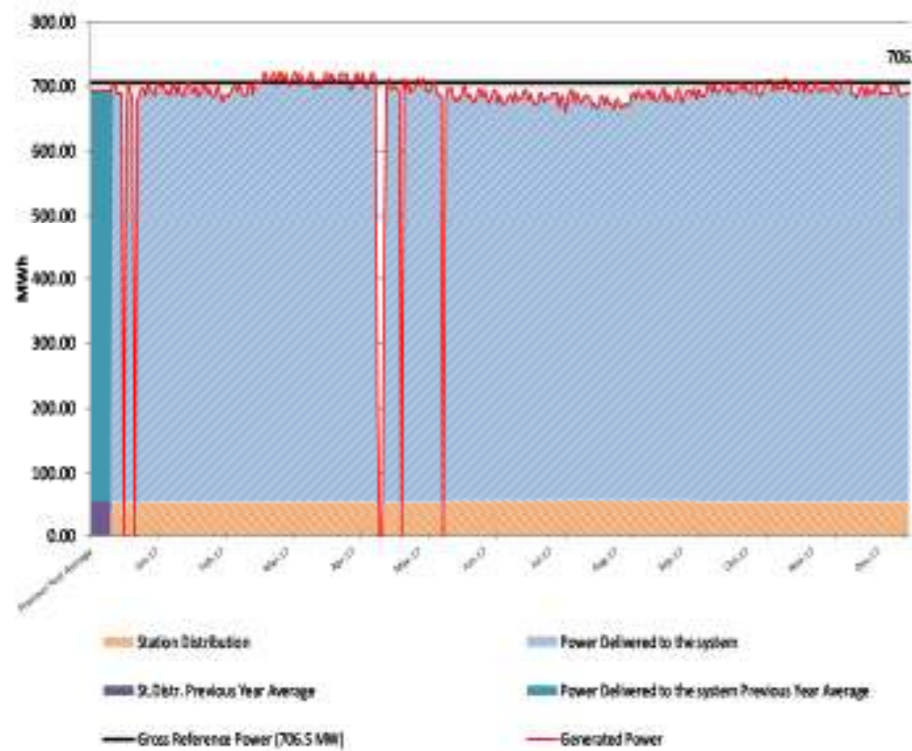
# Cernavoda NPP UNIT 1 and UNIT 2 Since in Service



## STATION PERFORMANCES SINCE COMMERCIAL

Year	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017, end of Dec		TOTAL since commercial											
	U1 Since comm.	U1	U1	U1	U1	U1	U1	U1	U1	U1	U1	U1	U2 Since comm.	U1	U2	U1	U2	U1	U2	U1	U2	U1	U2	U1	U2	U1	U2								
(Gross) [MWh]	506,832	5,400,856	5,307,181	5,198,083	5,455,751	5,445,900	5,513,410	4,906,663	5,548,082	5,554,959	5,631,510	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	117,925,143	59,053,333
Total Power (Net) [MWh]	462,039	4,968,837	4,918,951	4,813,027	5,053,355	5,049,871	5,106,225	4,541,418	5,142,305	5,114,677	5,177,957	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	108,625,296	54,489,142
Gross Capacity Factor [%]	99.67	87.27	86.19	84.51	88.3	88.25	89.37	79.52	89.71	90.08	91.37	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	90.69	94.29

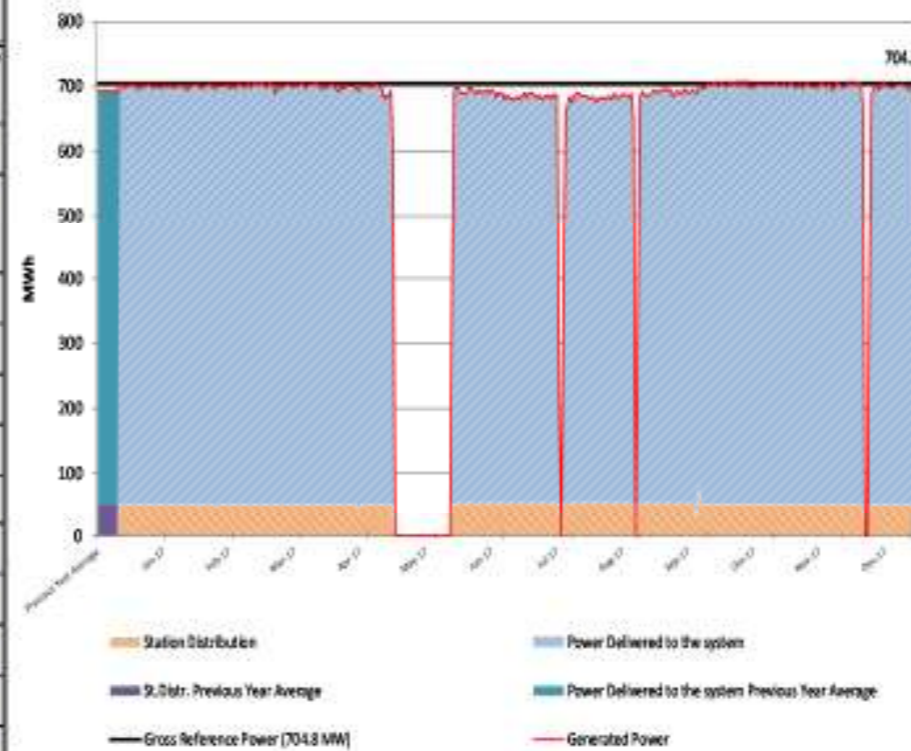
Unit 1 - Commercial Operation in 2017



Commercial Operation in 2017 - Unit 1

Month	Generated Power (Gross) [MWh]	Net Power [MWh]	Gross Capacity Factor [%]
January	497,591	456,241	95.33
February	465,885	427,378	98.71
March	526,398	483,714	100.73
April	511,852	470,292	101.11
May	453,235	416,033	86.54
June	481,883	440,546	94.93
July	508,480	464,534	97.03
August	504,931	460,784	96.4
September	495,317	452,983	97.51
October	520,321	477,373	99.23
November	503,064	461,567	99.42
December	516,873	473,965	99.09
<b>TOTAL</b>	<b>5,985,828</b>	<b>5,485,440</b>	<b>97.14</b>

Unit 2 - Commercial Operation in 2017



Commercial Operation in 2017 - Unit 2

Month	Generated Power (Gross) [MWh]	Net Power [MWh]	Gross Capacity Factor [%]
January	521,178	481,869	100.08
February	470,907	435,642	100
March	521,673	482,607	100.02
April	504,165	466,422	99.62
May	89,220	82,353	17.14
June	475,633	435,196	93.78
July	464,325	426,351	88.7
August	472,224	433,782	90.2
September	499,990	460,793	98.53
October	524,158	484,308	99.91
November	505,586	467,309	99.97
December	473,968	438,078	90.72
<b>TOTAL</b>	<b>5,523,037</b>	<b>5,094,710</b>	<b>89.72</b>

- Oprire neplanificata U1 - declansare turbina: 6 ian. 2017, ora 8:25 - 6 ian. 2017, ora 22:16 (13.8 ore)
- Oprire programata neplanificata U1: 10 ian. 2017, ora 22:48 - 11 ian. 2017, ora 6:12 pentru efectuarea unor lucrari de intretinere la sistemul de excitatie al Turbogeneratorului (7.8 ore)
- Oprire programata neplanificata U1: 2 mai 2017 ora 01- 5 mai 2017 ora 10:19, (81.3 ore) pentru efectuarea unor lucrari de intretinere
- Oprirea anuala planificata U2: 6 mai 2017, ora 11:01 - 1 iunie ora 22:34 (635.5 ore)
- Oprire neplanificata U1 - declansare turbina: 13 mai, ora 1:45 - 13 mai, ora 8:11 (6.4 ore)
- Oprire neplanificata U1 - declansare turbina: 1 iunie, ora 3:35 - 1 iunie, ora 18:05 (14.5 ore)
- Oprire neplanificata U2 - declansare turbina: 20 iulie, ora 17:43 - 21 iulie, ora 19:35 (25.9 ore)
- Oprire neplanificata U2 - declansare turbina: 21 iulie, ora 23:59 - 23 iulie, ora 04:13 (28.2 ore)
- Oprire neplanificata U2 pentru lucrari de intretinere la 2-68341-PT4G: 24 august 2017 ora 11:42 - 26 august 2017 ora 10:40 (47 ore)
- Oprire neplanificata U2 pentru lucrari de reparatii la cap MID, fata A: 07 dec 2017 ora 17:45 - 10 dec 2017 ora 06:12 (60.5 ore)

### 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 - December 2017)	Unit 2 Since first connection to the grid until the present (August 7, 2007 - December 2017)
Total Generated Power (Gross) [MWh]	118,803,976	59,795,191
Total Power (Net) [MWh]	109,349,697	55,162,099