



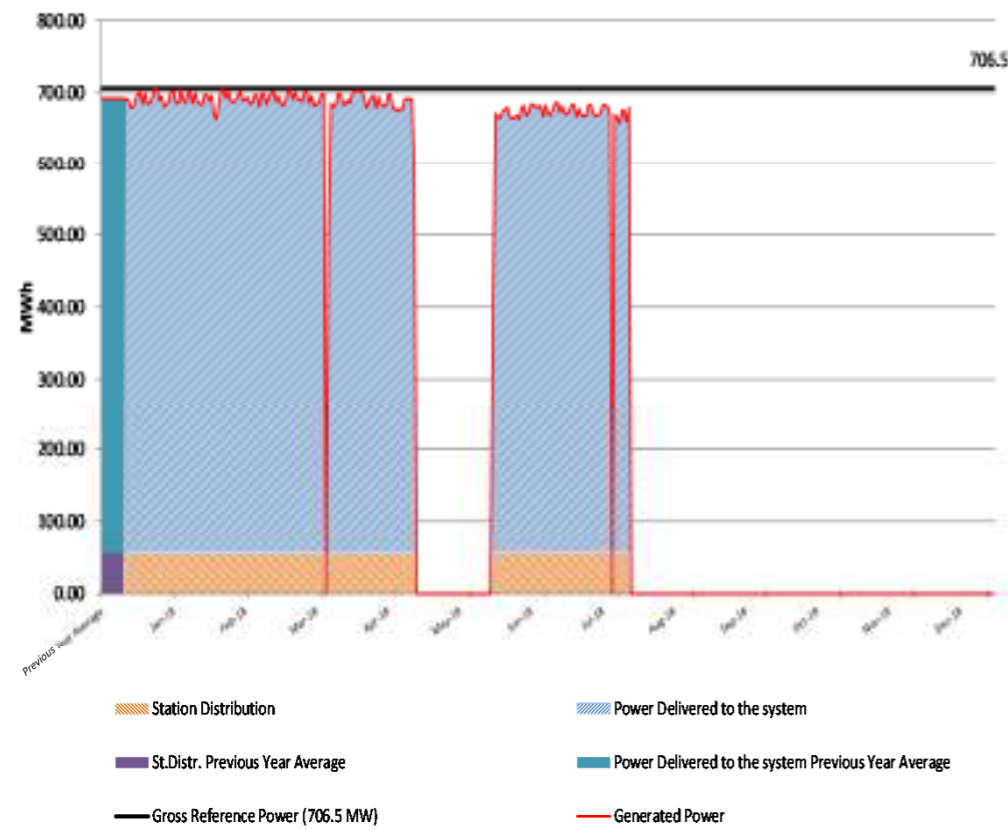
# Cernavoda NPP UNIT 1 and UNIT 2 Since in Service



## 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	2018	TOTAL since commercial													
	U1 Since comm.	U1	U1	U1	U1	U1	U1	U1	U1	U1	U1	U1	U1	U2	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	4,905,663	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	2,899,796	3,516,612	120,824,939	62,569,945
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	2,654,185	3,248,022	111,279,481	57,737,164
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	80.98	98.45	90.43	94.51

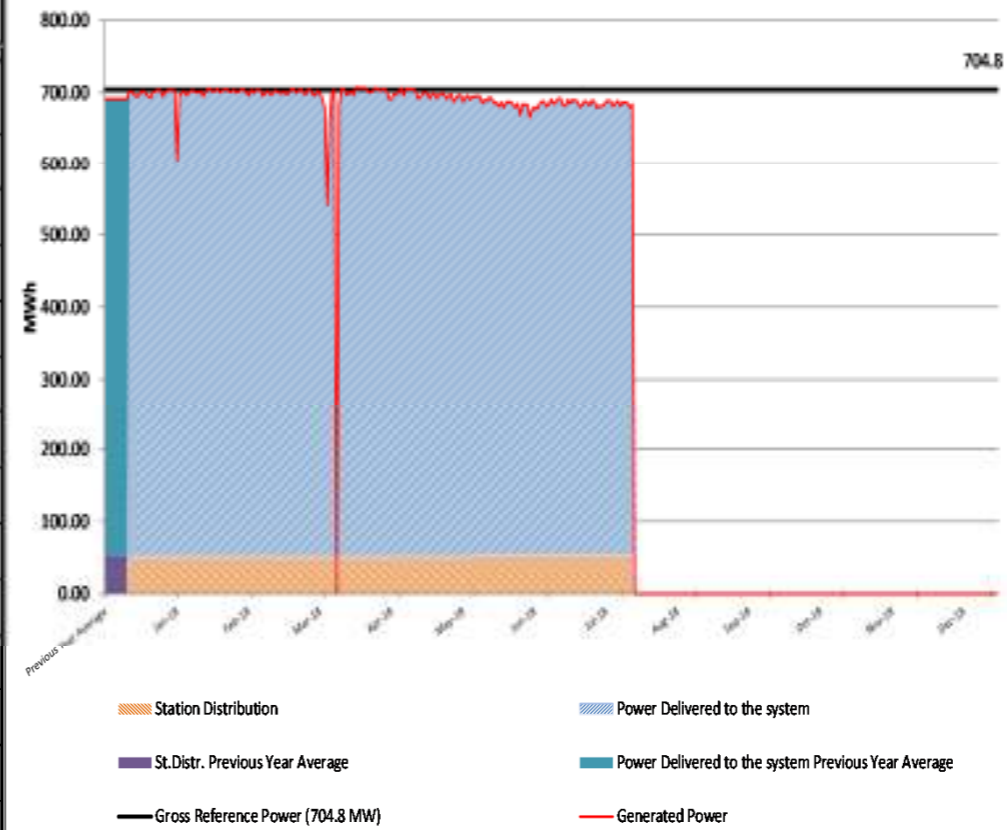
Unit 1 - Commercial Operation in 2018



Commercial Operation in 2018 - Unit 1

Month	Generated Power (Gross) [MWh]	Net Power [MWh]	Gross Capacity Factor [%]
January	615,163	472,329	98.64
February	464,488	425,724	98.48
March	478,885	439,003	91.73
April	496,337	455,147	97.91
May	23,124	21,133	4.4
June	428,382	390,519	84.22
July	493,408	450,230	93.87
August			
September			
October			
November			
December			
<b>TOTAL</b>	<b>2,899,796</b>	<b>2,654,185</b>	<b>80.98</b>

Unit 2 - Commercial Operation in 2018



Commercial Operation in 2018 - Unit 2

Month	Generated Power (Gross) [MWh]	Net Power [MWh]	Gross Capacity Factor [%]
January	518,704	479,703	99.45
February	471,717	436,316	100.1
March	501,670	463,751	96.34
April	505,511	467,891	99.81
May	516,767	477,571	96.89
June	492,255	453,191	97.27
July	509,888	469,589	97.44
August			
September			
October			
November			
December			
<b>TOTAL</b>	<b>3,516,612</b>	<b>3,248,022</b>	<b>98.45</b>

- U1 - 25 martie 2018, ora 9:18-27 martie ora 7:38 - declansare SOR#1 manual, la decizia DST, pentru reparare deficianta 1-5542-INV1C/VR1C (46.3 ore)
- U1 - 2 mai 2018, ora 10:53 - 4 iunie ora 05:02 - Oprire planificata (786 ore)
- U1 - 23 iulie 2018, ora 16:38 - 24 iulie 2018, ora 1:08 - declansare turbina datorita vibratiilor la lagarul 5 (8.5 ore, 12.5 ore FP), RCA 201805977

- U2 - 21 ianuarie -reducere neplanificata de putere reactor la 73% pentru remediere defect CSDV1 (15 ore)
- U2 - 25 martie - reducere neplanificata de putere reactor la 60% pentru a opri pompa 2-4321-P02 datorita vibratiilor mari la lagar (17 ore)
- U2 - 29 martie 2018 ora 3:24 - 29 martie 2018 ora 20:31 - declansarea Turbogeneratorului din cauza intreruptorului principal CB01 (17.1 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 - July 2018)	Unit 2 Since first connection to the grid until the present (August 7, 2007 - July 2018)
Total Generated Power (Gross) [MWh]	121,703,772	63,311,803
Total Power (Net) [MWh]	112,003,882	58,410,121