

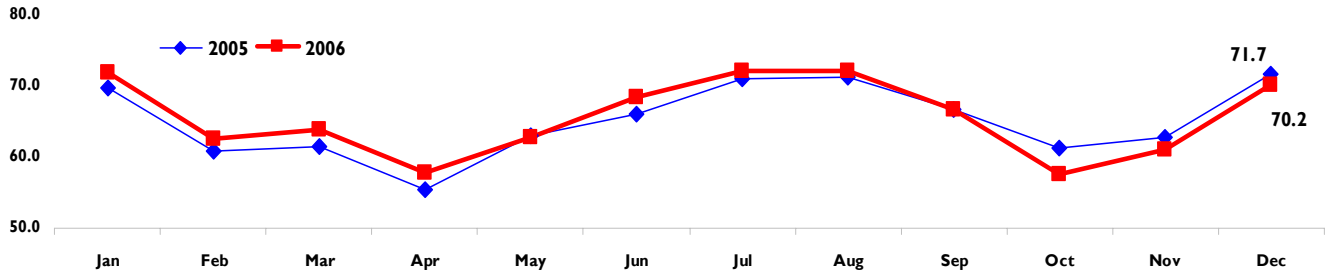
December 2006

Summary

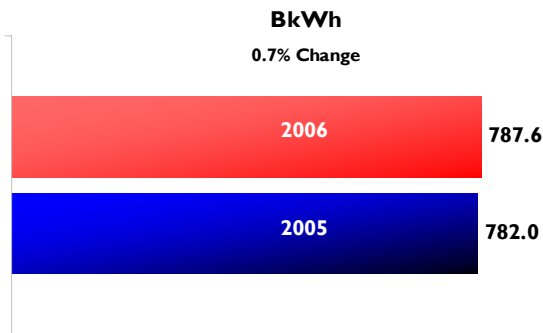
- For December 2006, NEI estimates the average net capacity factor reached 94.3 percent. This figure is 2.1 percentage points lower than the same one month period in 2005. NEI estimates monthly nuclear generation at 70.2 billion kilowatt-hours for December 2006 compared to 71.7 bkWh for the same one month period in 2005.
- For 2006, NEI estimates year to date nuclear generation at 787.6 billion kilowatt-hours compared to 782.0 BkWh in 2005 (0.7 percent increase).

U.S. Nuclear Performance

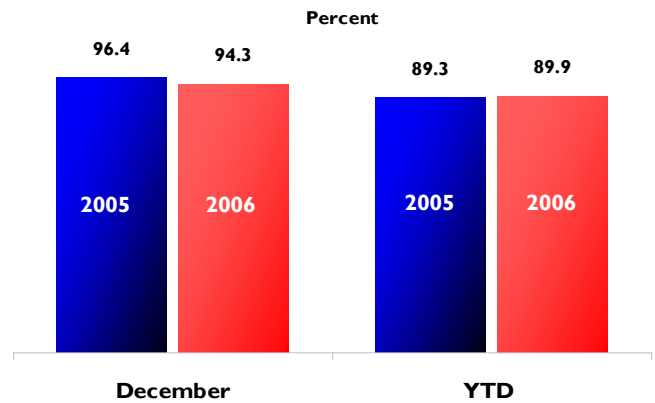
Monthly Nuclear Generation (BkWh)



YTD December Estimated Generation



Estimated Average Capacity Factor



Units in Refueling Outages

- Catawba 1*
- Fort Calhoun*
- Oconee 1*
- Prairie Island 2*
- San Onofre 3*
- Sequoyah 2*
- Turkey Point 4*
- Waterford 3*

Units in Maintenance Outages

- Monticello 1

* Completed in December

The Nuclear Energy Institute's Nuclear Performance Monthly Report ■ Month of December 2006 ■ Page 2 of 3

Unit	Net MWe	Capacity Factor (%)		Generation (MWh)		Last Major Outage		Outage Duration (Days)
		Month	YTD	Month	YTD	Start Date	End Date	
Arkansas Nuclear One 1	836	103.3	102.1	642,421	7,474,871	10/4/2005	12/21/2005	79
Arkansas Nuclear One 2	998	101.3	88.8	751,950	7,765,403	9/19/2006	10/27/2006	39
Beaver Valley 1	821	105.6	82.4	645,000	5,924,166	2/12/2006	4/19/2006	67
Beaver Valley 2	821	104.4	87.8	637,740	6,311,557	10/1/2006	11/12/2006	43
Braidwood 1	1,178	102.0	96.4	894,168	9,945,875	4/16/2006	5/3/2006	18
Braidwood 2	1,152	102.4	95.4	877,980	9,624,589	10/15/2006	11/2/2006	19
Browns Ferry 1	1,065	-	-	-	-	-	-	-
Browns Ferry 2	1,118	100.3	94.3	834,460	9,232,644	10/10/2006	10/21/2006	12
Browns Ferry 3	1,114	91.5	88.5	758,157	8,638,830	2/28/2006	3/22/2006	23
Brunswick 1	938	103.1	87.5	719,217	7,190,783	8/10/2006	8/22/2006	13
Brunswick 2	900	83.5	93.4	559,328	7,361,266	11/1/2006	11/17/2006	17
Byron 1	1,164	102.9	91.4	891,105	9,317,030	9/10/2006	10/15/2006	36
Byron 2	1,136	102.5	102.1	865,925	10,158,735	9/25/2005	10/12/2005	18
Callaway 1	1,190	95.5	95.7	845,928	9,976,506	5/17/2006	6/2/2006	17
Calvert Cliffs 1	873	70.3	83.5	456,754	6,388,671	2/20/2006	4/10/2006	50
Calvert Cliffs 2	862	97.6	97.3	625,812	7,346,780	2/23/2005	3/14/2005	20
Catawba 1	1,129	1.1	82.1	9,025	8,114,962	11/11/2006	12/29/2006	49
Catawba 2	1,129	99.0	88.8	831,221	8,779,216	3/18/2006	4/23/2006	37
Clinton 1	1,052	92.6	89.3	725,149	8,233,303	1/30/2006	2/25/2006	27
Columbia Generating Station 2	1,131	98.8	94.2	831,223	9,328,276	5/6/2005	6/9/2005	35
Comanche Peak 1	1,150	100.0	101.7	855,600	10,248,553	10/8/2005	11/7/2005	31
Comanche Peak 2	1,150	100.0	94.8	855,600	9,551,276	10/7/2006	10/25/2006	19
Cooper 1	760	103.9	88.8	587,445	5,910,476	10/20/2006	11/21/2006	33
Crystal River 3	838	102.8	94.7	640,912	6,953,731	10/28/2005	12/9/2005	43
Davis Besse 1	873	103.2	83.3	670,121	6,373,455	3/5/2006	4/26/2006	53
Diablo Canyon 1	1,087	104.9	104.4	848,600	9,944,983	10/23/2005	11/29/2005	38
Diablo Canyon 2	1,087	82.3	89.6	665,535	8,527,613	4/17/2006	5/24/2006	38
Donald C. Cook 1	1,016	100.0	81.2	755,904	7,226,774	9/15/2006	11/10/2006	57
Donald C. Cook 2	1,077	100.0	88.4	801,288	8,337,805	3/24/2006	5/6/2006	44
Dresden 2	867	100.1	95.8	645,980	7,273,222	10/30/2005	11/19/2005	21
Dresden 3	867	100.0	94.4	645,085	7,171,927	11/4/2006	11/22/2006	19
Duane Arnold 1	581	104.7	100.0	452,604	5,092,046	3/29/2005	5/2/2005	35
Edwin I. Hatch 1	876	102.2	83.6	666,067	6,416,825	2/12/2006	3/28/2006	45
Edwin I. Hatch 2	883	101.3	98.8	665,397	7,641,832	2/5/2005	3/12/2005	36
Fermi 2	1,111	101.6	77.0	839,484	7,497,330	7/8/2006	7/19/2006	12
Fort Calhoun 1	478	82.5	74.0	293,327	3,100,453	9/9/2006	12/3/2006	86
GINNA 1	498	100.1	91.7	370,512	4,000,053	10/8/2006	11/2/2006	26
Grand Gulf 1	1,266	99.5	97.4	937,512	10,807,328	9/18/2005	10/17/2005	30
H.B. Robinson 2	710	106.5	103.6	562,380	6,442,698	9/16/2005	10/25/2005	40
Harris 1	900	103.4	89.2	692,047	7,029,269	4/8/2006	5/15/2006	38
Hope Creek 1	1,061	103.6	92.7	817,612	8,617,779	4/6/2006	5/2/2006	27
Indian Point 2	1,020	100.1	89.4	759,998	7,984,678	4/18/2006	5/18/2006	31
Indian Point 3	1,025	101.1	100.0	770,739	8,974,519	3/12/2005	4/6/2005	26
James A. Fitzpatrick 1	852	101.0	90.6	640,170	6,758,748	10/8/2006	11/3/2006	27
Joseph M. Farley 1	851	103.8	86.1	657,390	6,419,323	4/7/2006	5/23/2006	47
Joseph M. Farley 2	860	105.8	101.2	676,982	7,620,299	10/15/2005	12/1/2005	48
Kewaunee 1	556	97.8	75.4	404,579	3,672,723	9/2/2006	10/25/2006	54
LaSalle 1	1,118	101.3	92.8	842,381	9,092,069	2/20/2006	3/17/2006	26
LaSalle 2	1,120	102.7	102.1	855,427	10,015,748	2/7/2005	3/16/2005	38
Limerick 1	1,134	103.3	93.8	871,693	9,320,363	3/6/2006	3/24/2006	19
Limerick 2	1,134	103.3	100.8	871,263	10,015,108	3/1/2005	3/17/2005	17
McGuire 1	1,100	104.9	103.4	858,270	9,967,226	9/17/2005	10/18/2005	32
McGuire 2	1,100	105.6	87.5	864,506	8,430,332	9/16/2006	11/9/2006	55
Millstone 2	882	100.1	84.4	657,128	6,519,461	10/6/2006	11/18/2006	44
Millstone 3	1,155	100.1	99.9	859,991	10,111,099	9/29/2005	10/27/2005	29
Monticello 1	572	102.2	101.2	434,736	5,072,550	1/11/2007	Current	11
Nine Mile Point 1	621	100.1	98.4	462,024	5,348,948	3/20/2005	4/27/2005	39
Nine Mile Point 2	1,135	100.0	90.7	844,440	9,021,019	3/19/2006	4/12/2006	25
North Anna 1	924	100.5	88.2	690,670	7,142,736	3/11/2006	4/9/2006	30
North Anna 2	910	100.3	99.7	678,992	7,950,422	10/1/2005	10/30/2005	30
Oconee 1	846	44.3	78.5	278,703	5,819,358	10/6/2006	12/13/2006	69
Oconee 2	846	102.6	99.7	645,893	7,391,876	10/21/2005	11/28/2005	39
Oconee 3	846	103.8	90.6	653,202	6,716,228	4/29/2006	6/1/2006	34
Oyster Creek 1	619	101.5	85.7	467,645	4,644,531	10/15/2006	11/12/2006	29
Palisades	778	104.3	86.8	603,697	5,917,188	3/31/2006	5/10/2006	41
Palo Verde 1	1,314	101.4	42.3	991,014	4,868,233	9/19/2006	10/15/2006	27
Palo Verde 2	1,314	101.8	85.2	994,727	9,808,170	9/29/2006	11/13/2006	46

The Nuclear Energy Institute's Nuclear Performance Monthly Report ■ Month of December 2006 ■ Page 3 of 3

Unit	Net MWe	Capacity Factor (%)		Generation (MWh)		Last Major Outage		
		Month	YTD	Month	YTD	Start Date	End Date	Outage Duration (Days)
Palo Verde 3	1,247	99.6	85.5	924,164	9,335,827	3/31/2006	5/12/2006	43
Peach Bottom 2	1,112	103.2	93.3	853,453	9,088,328	9/15/2006	10/9/2006	25
Peach Bottom 3	1,112	102.5	101.8	847,652	9,912,751	9/19/2005	10/15/2005	27
Perry 1	1,235	75.2	96.8	690,646	10,475,373	2/22/2005	5/3/2005	71
Pilgrim 1	685	99.7	97.2	508,054	5,829,208	4/19/2005	5/11/2005	23
Point Beach 1	512	99.8	99.6	380,252	4,465,629	9/23/2005	11/23/2005	62
Point Beach 2	514	101.5	90.9	388,106	4,094,779	10/15/2006	11/16/2006	33
Prairie Island 1	523	104.5	89.6	406,602	4,103,243	4/28/2006	6/5/2006	39
Prairie Island 2	522	53.8	87.7	209,089	4,012,401	11/14/2006	12/13/2006	30
Quad Cities 1	867	100.5	88.8	648,214	6,747,253	5/4/2006	5/21/2006	18
Quad Cities 2	867	99.9	87.0	644,596	6,611,017	3/24/2006	4/18/2006	26
River Bend 1	966	100.2	88.9	720,141	7,524,777	4/23/2006	5/12/2006	20
Salem 1	1,174	101.1	99.5	883,411	10,228,091	10/11/2005	11/4/2005	25
Salem 2	1,130	102.7	92.4	863,160	9,147,375	10/10/2006	10/31/2006	22
San Onofre 2	1,070	105.4	72.2	838,777	6,769,270	1/3/2006	4/14/2006	102
San Onofre 3	1,080	28.9	72.2	232,535	6,827,622	10/16/2006	12/10/2006	56
Seabrook 1	1,220	102.0	87.9	925,417	9,397,402	9/30/2006	11/6/2006	38
Sequoyah 1	1,150	101.9	90.2	871,833	9,086,029	4/9/2006	5/14/2006	36
Sequoyah 2	1,127	12.2	90.3	102,399	8,914,650	11/27/2006	12/25/2006	29
South Texas Project 1	1,280	106.6	90.5	1,015,220	10,144,546	9/30/2006	11/3/2006	35
South Texas Project 2	1,280	100.7	100.1	959,309	11,225,957	10/1/2005	10/31/2005	31
St. Lucie 1	839	102.3	101.5	638,547	7,463,287	10/16/2005	12/18/2005	64
St. Lucie 2	839	96.3	82.3	601,148	6,048,248	4/23/2006	6/11/2006	50
Surry 1	799	91.3	90.2	542,662	6,311,001	4/22/2006	5/24/2006	33
Surry 2	799	102.0	88.4	606,609	6,189,357	10/7/2006	11/20/2006	45
Susquehanna 1	1,135	99.7	85.6	841,716	8,509,657	3/3/2006	4/10/2006	39
Susquehanna 2	1,140	99.9	92.1	847,613	9,200,891	9/29/2006	10/17/2006	19
Three Mile Island 1	786	101.7	105.0	594,731	7,227,027	10/23/2005	11/17/2005	26
Turkey Point 3	693	104.3	91.9	537,715	5,581,939	3/6/2006	4/8/2006	34
Turkey Point 4	693	66.3	88.7	341,822	5,383,748	10/30/2006	12/9/2006	41
V.C. Summer 1	966	101.6	88.9	730,318	7,521,398	10/13/2006	11/21/2006	40
Vermont Yankee 1	506	123.5	115.2	465,113	5,106,556	10/22/2005	11/11/2005	21
Vogtle 1	1,152	100.6	85.9	862,131	8,671,051	9/16/2006	10/29/2006	44
Vogtle 2	1,149	102.2	92.2	873,378	9,276,102	3/20/2006	4/1/2006	13
Waterford 3	1,158	10.4	91.5	89,917	9,279,810	11/25/2006	12/27/2006	33
Watts Bar 1	1,121	94.6	68.2	789,079	6,697,056	9/10/2006	11/30/2006	82
Wolf Creek 1	1,166	102.3	91.5	887,447	9,350,269	10/6/2006	11/9/2006	35
Total	99,988	94.3	89.9	70,170,810	787,640,770			

Notes - Generation estimates are based on Nuclear Regulatory Commission (NRC) Monthly Operating Reports and Energy Information Administration (EIA) 906 Forms. Capacity figures from the EIA are the Net Summer Capacities reported in the 860 Form. Capacity factor percents are calculated using EIA capacity and generation data, and NRC generation data. Browns Ferry 1 is expected to restart in May 2007.

Except for current outages, major outages are defined for the purpose of this report as any period of greater than 12 consecutive days at zero power. Outage duration and start and end dates are only estimates based on publicly available data from the NRC. Numbers may vary from published press releases. Outage data current as of January 22, 2007.

YTD - Year To Date.

Nuclear Performance is produced on a monthly basis by the Nuclear Energy Institute's Information Management and Analysis Department.

David Bradish ■ Data Analyst/Statistician ■ 202.739.8035 ■ deb@nei.org
 James Slider ■ Manager, Information Management and Analysis ■ 202.739.8015 ■ jes@nei.org