



*A subsidiary of Pinnacle West Capital Corporation*

Palo Verde Nuclear  
Generating Station

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April 14, 2004  
035-00722-DMS

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555-0001

Dear Sirs:

**Subject: Palo Verde Nuclear Generating Station (PVNGS)  
Units 1, 2, and 3  
Docket Nos. STN 50-528/529/530  
Monthly Operating Reports for MARCH 2004**

Enclosed are the Monthly Operating Reports for MARCH 2004, prepared and submitted pursuant to Specification 5.6.4 of Appendix A, (Technical Specifications) to the PVNGS Units 1, 2, and 3 Operating Licenses.

By copy of this letter, Arizona Public Service Company is also forwarding the Monthly Operating Reports to the Regional Administrator, NRC Region IV and the NRC Resident Inspector.

If you have any questions, please contact Don Vogt at (623) 393-5926.

Sincerely,

DMS/ap

Enclosures: MARCH 2004 Monthly Operating Reports

cc: (all w/enclosures)  
Dr. Bruce S. Mallett - Regional Administrator, NRC Region IV  
PVNGS Resident Inspector  
INPO Records Center  
Utility Data Institute

IE24

## OPERATING DATA REPORT

**DOCKET NO.** 50-528  
**UNIT NAME** Palo Verde 1  
**DATE** April 09, 2004  
**COMPLETED BY** Don Vogt  
**TELEPHONE** (623) 393-5926

**REPORTING PERIOD:** March 2004

1.	Design Electrical Rating	<u>1,265.00</u>		
2.	Maximum Dependable Capacity (MWe-Net)	<u>1,243.00</u>		
		<u>This Month</u>	<u>Yr-to-Date</u>	<u>Cumulative</u>
3.	Number of Hours the Reactor was Critical	<u>744.00</u>	<u>2,094.30</u>	<u>124,876.22</u>
4.	Number of Hours Generator On-line	<u>744.00</u>	<u>2,079.50</u>	<u>123,468.53</u>
5.	Reserve Shutdown Hours	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
6.	Net Electrical Energy Generated (MWHrs)	<u>927,891.07</u>	<u>2,581,525.94</u>	<u>148,837,216.28</u>

### UNIT SHUTDOWNS

No.	Date	Type F: Forced S: Scheduled	Duration (Hours)	Reason 1	Method of Shutting Down 2	Cause & Corrective Action Comments
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SUMMARY: Unit began month in Mode 1 with RX power at 99.02% and ended the month in Mode 1 with RX power at 98.84%. There were no significant events this month. January 2004 net generation has been revised by -224.084 MW and is included in the year-to-date and cumulative totals.

1

**Reason:**

- A Equipment Failure (Explain)
- B Maintenance or Test
- C Refueling
- D Regulatory Restriction
- E Operator Training & License Examination
- F Administration
- G Operational Error (Explain)
- H Other (Explain)

2

**Method:**

- 1 Manual
- 2 Manual Trip/Scram
- 3 Automatic Trip/Scram
- 4 Continuation
- 5 Other (Explain)

## OPERATING DATA REPORT

**DOCKET NO.** 50-529  
**UNIT NAME** Palo Verde 2  
**DATE** April 14, 2004  
**COMPLETED BY** Don Vogt  
**TELEPHONE** (623) 393-5926

**REPORTING PERIOD:** March 2004

1. Design Electrical Rating	1,354.00			
2. Maximum Dependable Capacity (MWe-Net)	1,335.00			
		<u>This Month</u>	<u>Yr-to-Date</u>	<u>Cumulative</u>
3. Number of Hours the Reactor was Critical	557.08	1,751.46	122,540.72	
4. Number of Hours Generator On-line	545.67	1,740.05	121,129.57	
5. Reserve Shutdown Hours	0.00	0.00	0.00	
6. Net Electrical Energy Generated (MWHrs)	702,560.99	2,311,836.82	147,699,929.69	

### UNIT SHUTDOWNS

No.	Date	Type F: Forced S: Scheduled	Duration (Hours)	Reason 1	Method of Shutting Down 2	Cause & Corrective Action Comments
04-01	02/19/2004	F	198.33	A	4	Manually tripped RX per shutdown procedure at 20% power due to SG#1 tube leak.

**SUMMARY:** The Design Electrical Rating (DER) and the Maximum Dependable Capacity (MDC) reflect the power uprate performed in 2003. These are interim values. Official values approved by station owners will be determined after testing is completed at the end of the 3rd quarter (late summer). The unit began the month in Mode 5 in an outage to repair a steam generator tube leak. The unit was synchronized to the grid at 0620 on 03/09 and reached full RX power at 0413 on 03/10. The unit ended the month in Mode 1 with RX power at 99.99%. January 2004 net generation has been revised by -827.516 MW and is included in the year-to-date and cumulative totals.

**1**

**Reason:**

- A Equipment Failure (Explain)
- B Maintenance or Test
- C Refuelling
- D Regulatory Restriction
- E Operator Training & License Examination
- F Administration
- G Operational Error (Explain)
- H Other (Explain)

**2**

**Method:**

- 1 Manual
- 2 Manual Trip/Scram
- 3 Automatic Trip/Scram
- 4 Continuation
- 5 Other (Explain)

## OPERATING DATA REPORT

**DOCKET NO.** 50-530  
**UNIT NAME** Palo Verde 3  
**DATE** April 09, 2004  
**COMPLETED BY** Don Vogt  
**TELEPHONE** (623) 393-5926

**REPORTING PERIOD:** March 2004

1. Design Electrical Rating	<u>1,269.00</u>			
2. Maximum Dependable Capacity (MWe-Net)	<u>1,247.00</u>			
		<u>This Month</u>	<u>Yr-to-Date</u>	<u>Cumulative</u>
3. Number of Hours the Reactor was Critical	<u>586.30</u>	<u>1,987.03</u>	<u>119,950.33</u>	
4. Number of Hours Generator On-line	<u>574.68</u>	<u>1,974.31</u>	<u>118,885.68</u>	
5. Reserve Shutdown Hours	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	
6. Net Electrical Energy Generated (MWHrs)	<u>708,065.85</u>	<u>2,486,681.00</u>	<u>145,548,549.02</u>	

### UNIT SHUTDOWNS

No.	Date	Type F: Forced S: Scheduled	Duration (Hours)	Reason 1	Method of Shutting Down 2	Cause & Corrective Action Comments
04-01	02/28/2004	F	169.32	A	4	Automatic turbine trip on loss of generator field due to an excitation control system failure. Following turbine trip the RX was manually shutdown.

**SUMMARY:** The unit began the month in Mode 4 in a cool down to Mode 5 due to indication of RCS leakage at one of the pressurizer heater sleeves. The unit was synchronized to the grid at 0119 on 03/08 and reached full RX power at 0413 on 03/09. The unit ended the month in Mode 1 with RX power at 98.95%. January 2004 net generation has been revised by -212.710 MW and is included in the year-to-date and cumulative totals.

**1**

**Reason:**

- A Equipment Failure (Explain)
- B Maintenance or Test
- C Refueling
- D Regulatory Restriction
- E Operator Training & License Examination
- F Administration
- G Operational Error (Explain)
- H Other (Explain)

**2**

**Method:**

- 1 Manual
- 2 Manual Trip/Scram
- 3 Automatic Trip/Scram
- 4 Continuation
- 5 Other (Explain)