



A subsidiary of Pinnacle West Capital Corporation

David M. Smith  
Operations Director  
Palo Verde Nuclear  
Generating Station

Tel. 602-393-2656  
Fax 602-393-1806  
e-mail:  
[David\\_M\\_Smith@apsc.com](mailto:David_M_Smith@apsc.com)

Mail Station 7294  
PO Box 52034  
Phoenix, Arizona 85072-2034

December 10, 2002  
219-002831-DMS/SMM

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Mail Station P1-37  
Washington, DC 20555

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 NOVEMBER 2002**

Enclosed are the Monthly Operating Reports for NOVEMBER 2002, prepared and submitted pursuant to Specification 5.6.4 of Appendix A, (Technical Specifications) to the PVNGS Units 1, 2, and 3 Operating Licenses.

Also included, is a corrected page for Unit 1. On-Line and Critical Hours were revised after this report was initiated and sent out.

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 Sue Meyer at (602) 250-3078.

Sincerely,

DMS/SMM/cj

Enclosures: NOVEMBER 2002 Monthly Operating Reports

cc: E. W. Merschoff (all w/enclosures)  
PVNGS Resident Inspector  
INPO Records Center  
Utility Data Institute

JE24

Page Two  
NRC Monthly Operating Report  
Distribution List  
219-002831-DMS/SMM  
December 9, 2002

bcc:	J. E. Orsborn	(3146) (all w/enclosures)
	G. R. Overbeck	(7602)
	File Copy	(7602)
	C. D. Mauldin	(7605)
	D. M. Smith	(7294)
	M. K. Banks	(7615)
	C. R. Emmett	(7615)
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	W. L. Stewart	(9082)
	J. E. McDonald	(8508)
	S. M. Foote	(8508)

## NRC MONTHLY OPERATING DATA REPORT

DOCKET NO.: 50-528  
 UNIT NAME: PVNGS-1  
 DATE: 12/09/02  
 COMPLETED BY: S. M. Meyer  
 TELEPHONE: (602) 250-3078

Reporting Period: November 2002

1. Design Electrical Rating (Net MWe): 1265
2. Maximum Dependable Capacity (Net MWe): 1243

	Unit 1 Generating Statistics	This Month	Yr. to Date	Cumulative
3.	Hours Reactor was Critical	682.1	7,186.1	113,417.2
4.	Hours Generator was On-Line	666.0	7,151.8	112,039.4
5.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
6.	Net Electrical Energy Generated (MWh)	673,574	8,791,082	134,754,640

### UNIT SHUTDOWNS

No.	Date	Type <sup>1</sup>	Outage Duration Hours	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Cause and Corrective Action to Prevent Occurrence
02-02	10/31	F	29.6	F	1	RX was manually shutdown/tripped due to elevated SG#2 sulfate levels. Returned to power on 11/01
02-03	11/10	F	42.8	B	1	RX was manually tripped to repair vibrations on SIA-UV-651. Returned to power on 11/12.

<sup>1</sup>F-Forced  
S-Scheduled

<sup>2</sup>Reason:  
 A-Equipment Failure (Explain)  
 B-Maintenance or Test  
 C-Refueling  
 D-Regulatory Restriction  
 E-Operator Training / License Examination  
 F-Administrative  
 G-Operational Error (Explain)  
 H-Other (Explain)

<sup>3</sup>Method:  
 1-Manual  
 2-Manual Trip / Scram  
 3-Automatic Trip / Scram  
 4-Continuation  
 5-Other-(Explain)

SUMMARY: \_\_\_\_\_  
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**NRC MONTHLY OPERATING DATA REPORT**

DOCKET NO.: 50-529  
 UNIT NAME: PVNGS-2  
 DATE: 12/09/02  
 COMPLETED BY: S. M. Meyer  
 TELEPHONE: (602) 250-3078

Reporting Period: November 2002

1. Design Electrical Rating (Net MWe): 1265
2. Maximum Dependable Capacity (Net MWe): 1243

<b>Unit 2 Generating Statistics</b>		<b>This Month</b>	<b>Yr. To Date</b>	<b>Cumulative</b>
3.	<b>Hours Reactor was Critical</b>	720.0	7,266.0	113,167.5
4.	<b>Hours Generator was On-Line</b>	720.0	7,237.6	111,835.6
5.	<b>Unit Reserve Shutdown Hours</b>	0.0	0.0	0.0
6.	<b>Net Electrical Energy Generated (MWh)</b>	914,376	9,072,134	135,996,645

**UNIT SHUTDOWNS**

No.	Date	Type <sup>1</sup>	Outage Duration Hours	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Cause and Corrective Action to Prevent Occurrence
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No reactor shutdowns occurred during the month of November 2002.

<sup>1</sup>F-Forced  
S-Scheduled

<sup>2</sup>Reason:  
 A-Equipment Failure (Explain)  
 B-Maintenance or Test  
 C-Refueling  
 D-Regulatory Restriction  
 E-Operator Training / License Examination  
 F-Administrative  
 G-Operational Error (Explain)  
 H-Other (Explain)

<sup>3</sup>Method:  
 1-Manual  
 2-Manual Trip / Scram  
 3-Automatic Trip / Scram  
 4-Continuation  
 5-Other-(Explain)

SUMMARY: \_\_\_\_\_  
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**NRC MONTHLY OPERATING DATA REPORT**

DOCKET NO.: 50-530  
 UNIT NAME: PVNGS-3  
 DATE: 12/09/02  
 COMPLETED BY: S. M. Meyer  
 TELEPHONE: (602) 250-3078

Reporting Period: November 2002

1. Design Electrical Rating (Net MWe): 1269
2. Maximum Dependable Capacity (Net MWe): 1247

<b>Unit 3 Generating Statistics</b>		<b>This Month</b>	<b>Yr. to Date</b>	<b>Cumulative</b>
3.	<b>Hours Reactor was Critical</b>	720.0	8,016.0	109,439.7
4.	<b>Hours Generator was On-Line</b>	720.0	8,016.0	108,451.9
5.	<b>Unit Reserve Shutdown Hours</b>	0.0	0.0	0.0
6.	<b>Net Electrical Energy Generated (MWh)</b>	918,844	10,186,146	132,555,596

**UNIT SHUTDOWNS**

No.	Date	Type <sup>1</sup>	Outage Duration Hours	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Cause and Corrective Action to Prevent Occurrence
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No reactor shutdowns occurred during the month of November 2002.

<sup>1</sup>F-Forced  
S-Scheduled

<sup>2</sup>Reason:  
 A-Equipment Failure (Explain)  
 B-Maintenance or Test  
 C-Refueling  
 D-Regulatory Restriction  
 E-Operator Training / License Examination  
 F-Administrative  
 G-Operational Error (Explain)  
 H-Other (Explain)

<sup>3</sup>Method:  
 1-Manual  
 2-Manual Trip / Scram  
 3-Automatic Trip / Scram  
 4-Continuation  
 5-Other-(Explain)

SUMMARY: \_\_\_\_\_  
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**NRC MONTHLY OPERATING DATA REPORT  
- REVISED -**

DOCKET NO.: 50-528  
 UNIT NAME: PVNGS-1  
 DATE: 11/12/02  
 COMPLETED BY: S. M. Meyer  
 TELEPHONE: (602) 250-3078

Reporting Period: October 2002

1. Design Electrical Rating (Net MWe): 1265
2. Maximum Dependable Capacity (Net MWe): 1243

Unit 1 Generating Statistics		This Month	Yr. to Date	Cumulative
3.	Hours Reactor was Critical	24.0	6,504.0	112,735.1
4.	Hours Generator was On-Line	5.8	6,485.8	111,373.4
5.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
6.	Net Electrical Energy Generated (MWh)	0	8,117,508	134,081,066

**UNIT SHUTDOWNS**

No.	Date	Type <sup>1</sup>	Outage Duration Hours	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Cause and Corrective Action to Prevent Occurrence
02-01	9/28	S	791.9	C	1	U1R10 refueling outage ended 10/30/02.
02-02	10/31	F	18.2	F	1	RX was manually shutdown/tripped due to elevated SG#2 sulfate levels.

<sup>1</sup>F-Forced  
S-Scheduled

<sup>2</sup>Reason:  
 A-Equipment Failure (Explain)  
 B-Maintenance or Test  
 C-Refueling  
 D-Regulatory Restriction  
 E-Operator Training / License Examination  
 F-Administrative  
 G-Operational Error (Explain)  
 H-Other (Explain)

<sup>3</sup>Method:  
 1-Manual  
 2-Manual Trip / Scram  
 3-Automatic Trip / Scram  
 4-Continuation  
 5-Other-(Explain)

SUMMARY: \_\_\_\_\_  
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