

# NRC MONTHLY OPERATING REPORT

DOCKET NO. 50-361  
UNIT SONGS - 2  
DATE February 15, 1985  
COMPLETED BY R. J. Maisel  
TELEPHONE (714) 492-7700  
Ext. 56657

## OPERATING STATUS

1. Unit Name: San Onofre Nuclear Generating Station, Unit 2
2. Reporting Period: January 1985
3. Licensed Thermal Power (MWt): 3390
4. Nameplate Rating (Gross MWe): 1127
5. Design Electrical Rating (Net MWe): 1070
6. Maximum Dependable Capacity (Gross MWe): 1127
7. Maximum Dependable Capacity (Net MWe): 1070
8. If Changes Occur In Capacity Ratings (Items Number 3 Through 7)  
Since Last Report, Give Reasons:

NA

9. Power Level To Which Restricted, If Any (Net MWe):
10. Reasons For Restrictions, If Any:

NA

NA

	This Month	Yr.-to-Date Cumulative
11. Hours In Reporting Period	744	744 12,793
12. Number Of Hours Reactor Was Critical	0	0 7,645.22
13. Reactor Reserve Shutdown Hours	0	0 0
14. Hours Generator On-Line	0	0 7,492.47
15. Unit Reserve Shutdown Hours	0	0 0
16. Gross Thermal Energy Generated (MWH)	0	0 24,272,703.3
17. Gross Electrical Energy Generated (MWH)	0	0 8,210,308.5
18. Net Electrical Energy Generated (MWH)	-3,547	-3,547 7,761,401
19. Unit Service Factor	0	0 58.57
20. Unit Availability Factor	0	0 58.57
21. Unit Capacity Factor (Using MDC Net)	0	0 56.70
22. Unit Capacity Factor (Using DER Net)	0	0 56.70
23. Unit Forced Outage Rate	0	0 3.97
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Refueling, October 21, 1984, 4-1/2-month duration (now in progress).		

25. If Shut Down At End Of Report Period, Estimated Date of Startup: 3/12/85
26. Units In Test Status (Prior To Commercial Operation):      Forecast      Achieved

INITIAL CRITICALITY  
INITIAL ELECTRICITY  
COMMERCIAL OPERATION

NA	NA
NA	NA
NA	NA

2941u

8503200149 850131  
PDR ADOCK 05000361  
R PDR

1224  
111

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-361

UNIT SONGS - 2

DATE February 15, 1985

COMPLETED BY R. J. Maisel

TELEPHONE (714) 492-7700  
Ext. 56657

MONTH January 1985

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	<u>0</u>
2	<u>0</u>
3	<u>0</u>
4	<u>0</u>
5	<u>0</u>
6	<u>0</u>
7	<u>0</u>
8	<u>0</u>
9	<u>0</u>
10	<u>0</u>
11	<u>0</u>
12	<u>0</u>
13	<u>0</u>
14	<u>0</u>
15	<u>0</u>
16	<u>0</u>

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	<u>0</u>
18	<u>0</u>
19	<u>0</u>
20	<u>0</u>
21	<u>0</u>
22	<u>0</u>
23	<u>0</u>
24	<u>0</u>
25	<u>0</u>
26	<u>0</u>
27	<u>0</u>
28	<u>0</u>
29	<u>0</u>
30	<u>0</u>
31	<u>0</u>

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH JANUARY 1985

DOCKET NO. 50-361  
UNIT NAME SONGS - 2  
DATE February 15, 1985  
COMPLETED BY R. J. Maisel  
TELEPHONE (714) 492-7700  
Ext. 56657

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down <sup>3</sup> Reactor	LER No.	System <sup>4</sup> Code	Component <sup>4</sup> Code	Cause & Corrective Action to Prevent Recurrence
9	841020	S	744	C	4	NA	NA	NA	Refueling

<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 Scram.  
3-Automatic Scram.  
4-Continuation from  
Previous Month  
5-Reduction of 20%  
or greater in the  
past 24 hours  
9-Other (Explain)

<sup>4</sup>  
IEEE Std 803-1983

# SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO. 50-361

UNIT SONGS - 2

DATE February 15, 1985

COMPLETED BY R. J. Maisel

TELEPHONE (714) 492-7700  
Ext. 56657

<u>Date/Time</u>	<u>Event</u>
January 1, 0001	The unit is defueled in day 73 of a refueling/design change outage.
January 17, 1130	Entered Mode 6, commenced core alterations/refueling.
January 31, 2359	Unit in Mode 6, core alterations/refueling in progress.

# REFUELING INFORMATION

DOCKET NO. 50-361

UNIT SONGS - 2

DATE February 15, 1985

COMPLETED BY R. J. Maisel

TELEPHONE (714) 492-7700  
Ext. 56657

1. Scheduled date for next refueling shutdown.

Not yet determined.

2. Scheduled date for restart following refueling.

Not yet determined.

3. Will refueling or resumption of operation thereafter require a Technical Specification change or other license amendment?

Not yet determined.

What will these be?

Not yet determined.

4. Scheduled date for submitting proposed licensing action and supporting information.

Not yet determined.

5. Important Licensing considerations associated with refueling, e.g. new or different fuel design or supplier, unreviewed design or performance analysis methods, significant changes in fuel design, new operating procedures.

Not yet determined.

6. The number of fuel assemblies.

a) In the core. 217

b) In the spent fuel storage pool. 72

7. Licensed spent fuel storage capacity. 800

Intended change in spent fuel storage capacity. NA

8. Projected date of last refueling that can be discharged to spent fuel storage pool assuming present capacity.

Approximately 1997.

# NRC MONTHLY OPERATING REPORT

DOCKET NO. 50-362  
UNIT NAME SONGS - 3  
DATE February 15, 1985  
COMPLETED BY R. J. Maisel  
TELEPHONE (714) 492-7700  
Ext. 56657

## OPERATING STATUS

1. Unit Name: San Onofre Nuclear Generating Station, Unit 3
2. Reporting Period: January 1985
3. Licensed Thermal Power (MWt): 3390
4. Nameplate Rating (Gross MWe): 1127
5. Design Electrical Rating (Net MWe): 1080
6. Maximum Dependable Capacity (Gross MWe): 1127
7. Maximum Dependable Capacity (Net MWe): 1080
8. If Changes Occur In Capacity Ratings (Items Number 3 Through 7)  
Since Last Report, Give Reasons:

NA

9. Power Level To Which Restricted, If Any (Net MWe):
10. Reasons For Restrictions, If Any:

NA

NA

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744	744	7,344
12. Number Of Hours Reactor Was Critical	641.83	641.83	5,062
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	641.67	641.67	4,747.62
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2,106,963	2,106,963	15,168,551.4
17. Gross Electrical Energy Generated (MWH)	720,234.5	720,234.5	5,087,066
18. Net Electrical Energy Generated (MWH)	684,420	684,420	4,784,790
19. Unit Service Factor	86.25	86.25	64.65
20. Unit Availability Factor	86.25	86.25	64.65
21. Unit Capacity Factor (Using MDC Net)	85.18	85.18	60.33
22. Unit Capacity Factor (Using DER Net)	85.18	85.18	60.33
23. Unit Forced Outage Rate	13.75	13.75	3.76
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	NA		

25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A
26. Units In Test Status (Prior To Commercial Operation):

Forecast      Achieved

INITIAL CRITICALITY  
INITIAL ELECTRICITY  
COMMERCIAL OPERATION

NA	NA
NA	NA
NA	NA

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-362

UNIT SONGS - 3

DATE February 15, 1985

COMPLETED BY R. J. Maisel

TELEPHONE (714) 492-7700  
Ext. 56657

MONTH January 1985

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	1,093.00
2	1,096.38
3	1,093.52
4	1,092.71
5	668.40
6	948.40
7	1,095.42
8	1,101.85
9	1,095.21
10	1,081.52
11	1,034.29
12	1,090.29
13	1,092.23
14	1,095.10
15	1,091.69
16	1,095.92

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	1,091.88
18	1,067.94
19	1,099.77
20	1,069.79
21	1,148.85
22	1,060.54
23	1,096.44
24	1,090.83
25	1,071.25
26	1,095.42
27	741.42
28	0
29	0
30	0
31	0

2941u

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH JANUARY 1985

DOCKET NO. 50-362

UNIT NAME SONGS - 3

DATE February 15, 1985

COMPLETED BY R. J. Maisel

TELEPHONE (714) 92-7700

Ext. 56657

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down <sup>3</sup> Reactor	LER No.	System <sup>4</sup> Code	Component <sup>4</sup> Code	Cause & Corrective Action to Prevent Recurrence
11	850105	S	0	B	5	NA	NA	NA	Load reduction for various surveillance and maintenance activities.
12	850127	F	102.33	A	1	85-002	AB	XCV	Packing leak on Pressurizer Spray Valve 3PV 0100B exceeding Technical Specification LCO 3.4.5.2. The packing will be replaced during this shutdown. During the first refueling outage the valve bonnet and packing configuration will be modified to prevent recurrence.

1	2	3	4 IEEE Std 803-1983
F-Forced S-Scheduled	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)	Method: 1-Manual 2-Manual Scram. 3-Automatic Scram. 4-Continuation from Previous Month 5-Reduction of 20% or greater in the past 24 hours 9-Other (Explain)	

# SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO. 50-362

UNIT SONGS - 3

DATE February 15, 1985

COMPLETED BY R. J. Maisel

TELEPHONE (/14) 492-7700  
Ext. 56657

<u>Date/Time</u>	<u>Event</u>
January 1, 0001	The unit is in Mode 1 at 100% power, 1144 MWe gross.
January 4, 2055	Commenced load reduction to 60% for turbine stop and governor valve surveillance, CEA rod exercise and repair feedwater leak on K005 discharge valve.
January 5, 0610	Load reduction to 60% completed.
January 6, 0446	Commenced power increase to 100%. Maintenance and surveillance activities complete.
January 6, 1300	Unit at 100% power, 1146 MWe gross.
January 11, 2100	Initiated load reduction to 90% power in preparation for turbine stop and governor valve testing.
January 11, 2256	Completed turbine stop and governor valve testing and commenced power increase to 100% power.
January 12, 0020	Unit is at 100% power.
January 18, 1815	Initiated load reduction to 90% power in preparation for turbine stop and governor valve testing.
January 18, 2150	Completed turbine stop and governor valve testing and commenced power increase to 100% power.
January 18, 2315	Unit is at 100% power.
January 23, 1425	Initiated power reduction to 95.5% due to high oil temperature on high pressure turbine stop valve 3UV-2200B.
January 23, 1555	Backflush of cooling water stainer corrected temperature problem. Commenced power increase to 100%.
January 23, 1750	Unit is at 100% power.
January 25, 1945	Initiated load reduction to 90% power in preparation for turbine stop and governor valve testing.
January 25, 2215	Completed turbine stop and governor valve testing, and commenced power increase to 100% power.
January 25, 0001	Unit is at 100% power.

## SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH (Continued)

January 27	1412	Unusual event declared due to excessive RCS unidentified leakage on Pressurizer Spray Valve 3PV-0100B packing gland.
January 27	1740	Turbine generator taken off-line.
January 27	1742	Entered Mode 2.
January 27	1750	Entered Mode 3.
January 28	0240	Entered Mode 4.
January 29	0420	Entered Mode 5.
January 31	2359	Unit is in Mode 5, preparations in progress to drain the reactor coolant system to mid-loop for replacement of reactor coolant pump seals, and repair of the pressurizer spray valve packing leak.

# REFUELING INFORMATION

DOCKET NO. 50-362

UNIT SONGS - 3

DATE February 15, 1985

COMPLETED BY R. J. Maisel

TELEPHONE (714) 492-7700  
Ext. 56657

1. Scheduled date for next refueling shutdown.

Not yet determined.

2. Scheduled date for restart following refueling.

Not yet determined.

3. Will refueling or resumption of operation thereafter require a Technical Specification change or other license amendment?

Not yet determined.

What will these be?

Not yet determined.

4. Scheduled date for submitting proposed licensing action and supporting information.

Not yet determined.

5. Important Licensing considerations associated with refueling, e.g. new or different fuel design or supplier, unreviewed design or performance analysis methods, significant changes in fuel design, new operating procedures.

Not yet determined.

6. The number of fuel assemblies.

a) In the core. 217

b) In the spent fuel storage pool. 0

7. Licensed spent fuel storage capacity. 800

Intended change in spent fuel storage capacity. NA

8. Projected date of last refueling that can be discharged to spent fuel storage pool assuming present capacity.

NA

# NRC MONTHLY OPERATING REPORT

DOCKET NO. 50-361  
UNIT SONGS - 2  
DATE 1/14/85 (as revised 2/15/85)  
COMPLETED BY L. I. Mayweather  
TELEPHONE (714) 492-7700  
Ext. 56264

## OPERATING STATUS

1. Unit Name: San Onofre Nuclear Generating Station, Unit 2
2. Reporting Period: December 1984
3. Licensed Thermal Power (MWt): 3390
4. Nameplate Rating (Gross MWe): 1127
5. Design Electrical Rating (Net MWe): 1070
6. Maximum Dependable Capacity (Gross MWe): 1127
7. Maximum Dependable Capacity (Net MWe): 1070
8. If Changes Occur In Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

NA

9. Power Level To Which Restricted, If Any (Net MWe): NA
10. Reasons For Restrictions, If Any: NA

	This Month	Yr.-to-Date Cumulative	
11. Hours In Reporting Period	744	8,784	12,049 *
12. Number Of Hours Reactor Was Critical	0	5,272.52	7,645.22*
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	0	5,170.77	7,492.47*
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	0	16,584,748.3	24,272,703.3 *
17. Gross Electrical Energy Generated (MWH)	0	5,577,911.5	8,210,308.5 *
18. Net Electrical Energy Generated (MWH)	-2,248	5,267.291	7,764,948 *
19. Unit Service Factor	0	58.87	62.18*
20. Unit Availability Factor	0	58.87	62.18*
21. Unit Capacity Factor (Using MDC Net)	0	56.04	60.23*
22. Unit Capacity Factor (Using DER Net)	0	56.04	60.23*
23. Unit Forced Outage Rate	0	3.88	3.97*
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			
Refueling, October 21, 1984, 3-1/2-month duration (now in progress).			

25. If Shut Down At End Of Report Period, Estimated Date of Startup: 2/8/85
26. Units In Test Status (Prior To Commercial Operation): Forecast Achieved

INITIAL CRITICALITY  
INITIAL ELECTRICITY  
COMMERCIAL OPERATION

NA	NA
NA	NA
NA	NA

- \* Based on California Public Utilities Commission Decision 84-12-060, these values have been revised to reflect an August 18, 1983 commercial operation date. The previous values were based on an August 8, 1983 commercial operation date.

# NRC MONTHLY OPERATING REPORT

DOCKET NO. 50-361  
UNIT SONGS - 2  
DATE 12/13/84 (as revised 2/15/85)  
COMPLETED BY L. I. Mayweather  
TELEPHONE (714) 492-7700  
Ext. 56264

## OPERATING STATUS

1. Unit Name: San Onofre Nuclear Generating Station, Unit 2
2. Reporting Period: November 1984
3. Licensed Thermal Power (Mwt): 3390
4. Nameplate Rating (Gross MWe): 1127
5. Design Electrical Rating (Net MWe): 1070
6. Maximum Dependable Capacity (Gross MWe): 1127
7. Maximum Dependable Capacity (Net MWe): 1070
8. If Changes Occur In Capacity Ratings (Items Number 3 Through 7)  
Since Last Report, Give Reasons:

NA

9. Power Level To Which Restricted, If Any (Net MWe):
10. Reasons For Restrictions, If Any:

NA

NA

	This Month	Yr.-to-Date Cumulative	
11. Hours In Reporting Period	720	8,040	11,305 *
12. Number Of Hours Reactor Was Critical	0	5,272.52	7,645.22*
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	0	5,170.77	7,492.47*
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	0	16,584,748.3	24,272,703.3 *
17. Gross Electrical Energy Generated (MWH)	0	5,577,911.5	8,210,308.5 *
18. Net Electrical Energy Generated (MWH)	-3,104	5,269,539	7,767,196 *
19. Unit Service Factor	0	64.31	66.28*
20. Unit Availability Factor	0	64.31	66.28*
21. Unit Capacity Factor (Using MDC Net)	0	61.25	64.21*
22. Unit Capacity Factor (Using DER Net)	0	61.25	64.21*
23. Unit Forced Outage Rate	0	3.88	3.97*
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Refueling, October 21, 1984, 3-1/2-month duration (now in progress).			

25. If Shut Down At End Of Report Period, Estimated Date of Startup: 2/8/85
26. Units In Test Status (Prior To Commercial Operation): Forecast Achieved

INITIAL CRITICALITY  
INITIAL ELECTRICITY  
COMMERCIAL OPERATION

NA

NA

NA

NA

NA

NA

- \* Based on California Public Utilities Commission Decision 84-12-060, these values have been revised to reflect an August 18, 1983 commercial operation date. The previous values were based on an August 8, 1983 commercial operation date.

# NRC MONTHLY OPERATING REPORT

DOCKET NO. 50-361  
UNIT SONGS - 2  
DATE 11/13/84 (as revised 2/15/85)  
COMPLETED BY L. I. Mayweather  
TELEPHONE (714) 492-7700  
Ext. 56264

## OPERATING STATUS

1. Unit Name: San Onofre Nuclear Generating Station, Unit 2
2. Reporting Period: October 1984
3. Licensed Thermal Power (MWt): 3390
4. Nameplate Rating (Gross MWe): 1127
5. Design Electrical Rating (Net MWe): 1070
6. Maximum Dependable Capacity (Gross MWe): 1127
7. Maximum Dependable Capacity (Net MWe): 1070
8. If Changes Occur In Capacity Ratings (Items Number 3 Through 7)  
Since Last Report, Give Reasons:

NA

9. Power Level To Which Restricted, If Any (Net MWe):
10. Reasons For Restrictions, If Any:

NA

NA

	This Month	Yr.-to-Date Cumulative	
11. Hours In Reporting Period	745	7,320	10,585 *
12. Number Of Hours Reactor Was Critical	472.97	5,272.52	7,645.22*
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	472.87	5,170.77	7,492.47*
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	1,253,483.3	16,584,748.3	24,272,703.3 *
17. Gross Electrical Energy Generated (MWH)	449,782	5,577,911.5	8,210,308.5 *
18. Net Electrical Energy Generated (MWH)	423,611	5,272,643	7,770,300 *
19. Unit Service Factor	63.47	70.64	70.78*
20. Unit Availability Factor	63.47	70.64	70.78*
21. Unit Capacity Factor (Using MDC Net)	53.14	67.32	68.61*
22. Unit Capacity Factor (Using DER Net)	53.14	67.32	68.61*
23. Unit Forced Outage Rate	0	3.88	3.97*
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Refueling, October 21, 1984, 3-1/2-month duration (now in progress).			

25. If Shut Down At End Of Report Period, Estimated Date of Startup: 2/8/85
26. Units In Test Status (Prior To Commercial Operation):      Forecast      Achieved

INITIAL CRITICALITY  
INITIAL ELECTRICITY  
COMMERCIAL OPERATION

NA	NA
NA	NA
NA	NA

\* Based on California Public Utilities Commission Decision 84-12-060, these values have been revised to reflect an August 18, 1983 commercial operation date. The previous values were based on an August 8, 1983 commercial operation date.

# NRC MONTHLY OPERATING REPORT

DOCKET NO. 50-361  
UNIT SONGS - 2  
DATE 10/11/84 (as revised 2/15/85)  
COMPLETED BY L. I. Mayweather  
TELEPHONE (714) 492-7700  
Ext. 56264

## OPERATING STATUS

1. Unit Name: San Onofre Nuclear Generating Station, Unit 2
2. Reporting Period: September 1984
3. Licensed Thermal Power (MWt): 3390
4. Nameplate Rating (Gross MWe): 1127
5. Design Electrical Rating (Net MWe): 1070
6. Maximum Dependable Capacity (Gross MWe): 1127
7. Maximum Dependable Capacity (Net MWe): 1070
8. If Changes Occur In Capacity Ratings (Items Number 3 Through 7)  
Since Last Report, Give Reasons:

NA

9. Power Level To Which Restricted, If Any (Net MWe): NA
10. Reasons For Restrictions, If Any: NA

	This Month	Yr.-to-Date Cumulative	
11. Hours In Reporting Period	720	6,575	9,840 *
12. Number Of Hours Reactor Was Critical	720	4,799.55	7,172.25*
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	720	4,697.9	7,019.6 *
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2,405,237	15,331,265	23,019,220 *
17. Gross Electrical Energy Generated (MWH)	789,413.5	5,128,129.5	7,760,526.5 *
18. Net Electrical Energy Generated (MWH)	751,545	4,849,032	7,346,689 *
19. Unit Service Factor	100	71.45	71.34*
20. Unit Availability Factor	100	71.45	71.34*
21. Unit Capacity Factor (Using MDC Net)	97.55	68.92	69.78*
22. Unit Capacity Factor (Using DER Net)	97.55	68.92	69.78*
23. Unit Forced Outage Rate	0	4.25	4.22*
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Refueling, October 21, 1984, 3-1/2-month duration			

25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A
26. Units In Test Status (Prior To Commercial Operation): Forecast Achieved

INITIAL CRITICALITY  
INITIAL ELECTRICITY  
COMMERCIAL OPERATION

NA	NA
NA	NA
NA	NA

\* Based on California Public Utilities Commission Decision 84-12-060, these values have been revised to reflect an August 18, 1983 commercial operation date. The previous values were based on an August 8, 1983 commercial operation date.

# NRC MONTHLY OPERATING REPORT

DOCKET NO. 50-361  
UNIT SONGS - 2  
DATE 9/13/84 (as revised 2/15/85)  
COMPLETED BY L. I. Mayweather  
TELEPHONE (714) 492-7700  
Ext. 56264

## OPERATING STATUS

1. Unit Name: San Onofre Nuclear Generating Station, Unit 2
2. Reporting Period: August 1984
3. Licensed Thermal Power (MWt): 3390
4. Nameplate Rating (Gross MWe): 1127
5. Design Electrical Rating (Net MWe): 1070
6. Maximum Dependable Capacity (Gross MWe): 1127
7. Maximum Dependable Capacity (Net MWe): 1070
8. If Changes Occur In Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

NA

9. Power Level To Which Restricted, If Any (Net MWe): NA
10. Reasons For Restrictions, If Any: NA

	This Month	Yr.-to-Date Cumulative	
11. Hours In Reporting Period	744	5,855	9,120 *
12. Number Of Hours Reactor Was Critical	700.05	4,079.55	6,452.25*
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	692.08	3,977.9	6,299.6 *
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2,234,711	12,926,028	20,613,983 *
17. Gross Electrical Energy Generated (MWH)	733,464.5	4,338,716	6,971,113 *
18. Net Electrical Energy Generated (MWH)	695,670	4,097,487	6,595,144 *
19. Unit Service Factor	93.02	67.94	69.07*
20. Unit Availability Factor	93.02	67.94	69.07*
21. Unit Capacity Factor (Using MDC Net)	87.39	65.40	67.58*
22. Unit Capacity Factor (Using DER Net)	87.39	65.40	67.58*
23. Unit Forced Outage Rate	6.98	4.99	4.68*
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			
Refueling, October 19, 1984, 3-1/2-month duration.			

25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A
26. Units In Test Status (Prior To Commercial Operation): Forecast Achieved

INITIAL CRITICALITY  
INITIAL ELECTRICITY  
COMMERCIAL OPERATION

NA	NA
NA	NA
NA	NA

- \* Based on California Public Utilities Commission Decision 84-12-060, these values have been revised to reflect an August 18, 1983 commercial operation date. The previous values were based on an August 8, 1983 commercial operation date.

# NRC MONTHLY OPERATING REPORT

DOCKET NO. 50-361  
 UNIT SONGS - 2  
 DATE 8/13/84 (as revised 2/15/85)  
 COMPLETED BY L. I. Mayweather  
 TELEPHONE (714) 492-7700  
 Ext. 56264

## OPERATING STATUS

1. Unit Name: San Onofre Nuclear Generating Station, Unit 2
2. Reporting Period: July 1984
3. Licensed Thermal Power (MWt): 3390
4. Nameplate Rating (Gross MWe): 1127
5. Design Electrical Rating (Net MWe): 1070
6. Maximum Dependable Capacity (Gross MWe): 1127
7. Maximum Dependable Capacity (Net MWe): 1070
8. If Changes Occur In Capacity Ratings (Items Number 3 Through 7)  
 Since Last Report, Give Reasons:

NA

9. Power Level To Which Restricted, If Any (Net MWe): NA
10. Reasons For Restrictions, If Any: NA

	This Month	Yr.-to-Date Cumulative	
11. Hours In Reporting Period	744	5,111	8,376 *
12. Number Of Hours Reactor Was Critical	150.02	3,379.5	5,752.2 *
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	131	3,285.82	5,607.52*
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	377,677	10,691,317	18,379,272 *
17. Gross Electrical Energy Generated (MWH)	120,323	3,605,251.5	6,237,648.5 *
18. Net Electrical Energy Generated (MWH)	102,468	3,401,817	5,899,474 *
19. Unit Service Factor	17.61	64.29	66.95*
20. Unit Availability Factor	17.61	64.29	66.95*
21. Unit Capacity Factor (Using MDC Net)	12.87	62.20	65.83*
22. Unit Capacity Factor (Using DER Net)	12.87	62.20	65.83*
23. Unit Forced Outage Rate	0	4.55	4.39*
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Refueling, October 1984 4 month duration.			

25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A
26. Units In Test Status (Prior To Commercial Operation): Forecast Achieved

INITIAL CRITICALITY  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION

NA	NA
NA	NA
NA	NA

\* Based on California Public Utilities Commission Decision 84-12-060, these values have been revised to reflect an August 18, 1983 commercial operation date. The previous values were based on an August 8, 1983 commercial operation date.

# NRC MONTHLY OPERATING REPORT

DOCKET NO. 50-361  
UNIT SONGS - 2  
DATE 7/13/84 (as revised 2/15/85)  
COMPLETED BY L. I. Mayweather  
TELEPHONE (714) 492-7700  
Ext. 56264

## OPERATING STATUS

1. Unit Name: San Onofre Nuclear Generating Station, Unit 2
2. Reporting Period: June 1984
3. Licensed Thermal Power (MWt): 3390
4. Nameplate Rating (Gross MWe): 1127
5. Design Electrical Rating (Net MWe): 1070
6. Maximum Dependable Capacity (Gross MWe): 1127
7. Maximum Dependable Capacity (Net MWe): 1070
8. If Changes Occur In Capacity Ratings (Items Number 3 Through 7)  
Since Last Report, Give Reasons:

NA

9. Power Level To Which Restricted, If Any (Net MWe): NA
10. Reasons For Restrictions, If Any: NA

	This Month	Yr.-to-Date Cumulative	
11. Hours In Reporting Period	720	4,367	7,632 *
12. Number Of Hours Reactor Was Critical	463.08	3,229.48	5,602.18*
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	462.62	3,154.82	5,476.52*
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	1,510,122	10,313,640	18,001,595 *
17. Gross Electrical Energy Generated (MWH)	508,375	3,484,928.5	6,117,325.5 *
18. Net Electrical Energy Generated (MWH)	480,419	3,299,349	5,797,006 *
19. Unit Service Factor	64.25	72.24	71.76*
20. Unit Availability Factor	64.25	72.24	71.76*
21. Unit Capacity Factor (Using MDC Net)	62.36	70.61	70.99*
22. Unit Capacity Factor (Using DER Net)	62.36	70.61	70.99*
23. Unit Forced Outage Rate	0	4.73	4.49*
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Refueling, September 1984, 3 month duration.			

25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A
26. Units In Test Status (Prior To Commercial Operation): Forecast Achieved

INITIAL CRITICALITY  
INITIAL ELECTRICITY  
COMMERCIAL OPERATION

NA	NA
NA	NA
NA	NA

\* Based on California Public Utilities Commission Decision 84-12-060, these values have been revised to reflect an August 18, 1983 commercial operation date. The previous values were based on an August 8, 1983 commercial operation date.

# NRC MONTHLY OPERATING REPORT

DOCKET NO. 50-361  
UNIT SONGS - 2  
DATE 6/15/84 (as revised 2/15/85)  
COMPLETED BY L. I. Mayweather  
TELEPHONE (714) 492-7700  
Ext. 56264

## OPERATING STATUS

1. Unit Name: San Onofre Nuclear Generating Station, Unit 2
2. Reporting Period: May 1984
3. Licensed Thermal Power (MWt): 3390
4. Nameplate Rating (Gross MWe): 1127
5. Design Electrical Rating (Net MWe): 1070
6. Maximum Dependable Capacity (Gross MWe): 1127
7. Maximum Dependable Capacity (Net MWe): 1070
8. If Changes Occur In Capacity Ratings (Items Number 3 Through 7)  
Since Last Report, Give Reasons:

NA

9. Power Level To Which Restricted, If Any (Net MWe): NA
10. Reasons For Restrictions, If Any: NA

	This Month	Yr.-to-Date	Cumulative	
11. Hours In Reporting Period	744	3,647	6,912	*
12. Number Of Hours Reactor Was Critical	744	2,766.4	5,139.1	*
13. Reactor Reserve Shutdown Hours	0	0	0	
14. Hours Generator On-Line	744	2,692.2	5,013.9	*
15. Unit Reserve Shutdown Hours	0	0	0	
16. Gross Thermal Energy Generated (MWH)	2,513,823	8,803,518	16,491,473	*
17. Gross Electrical Energy Generated (MWH)	829,282	2,976,553.5	5,608,950.5	*
18. Net Electrical Energy Generated (MWH)	791,141	2,818,930	5,316,587	*
19. Unit Service Factor	100	73.82	72.54	*
20. Unit Availability Factor	100	73.82	72.54	*
21. Unit Capacity Factor (Using MDC Net)	99.38	72.24	71.89	*
22. Unit Capacity Factor (Using DER Net)	99.38	72.24	71.89	*
23. Unit Forced Outage Rate	0	5.50	4.89	*
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Refueling, September 1984, 3 month duration.				

25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A
26. Units In Test Status (Prior To Commercial Operation): Forecast Achieved

INITIAL CRITICALITY  
INITIAL ELECTRICITY  
COMMERCIAL OPERATION

NA	NA
NA	NA
NA	NA

\* Based on California Public Utilities Commission Decision 84-12-060, these values have been revised to reflect an August 18, 1983 commercial operation date. The previous values were based on an August 8, 1983 commercial operation date.

# NRC MONTHLY OPERATING REPORT

DOCKET NO. 50-361  
UNIT SONGS - 2  
DATE 5/15/84 (as revised 2/15/85)  
COMPLETED BY L. I. Mayweather  
TELEPHONE (714) 492-7700  
Ext. 56264

## OPERATING STATUS

1. Unit Name: San Onofre Nuclear Generating Station, Unit 2
2. Reporting Period: April 1984
3. Licensed Thermal Power (MWt): 3390
4. Nameplate Rating (Gross MWe): 1127
5. Design Electrical Rating (Net MWe): 1070
6. Maximum Dependable Capacity (Gross MWe): 1127
7. Maximum Dependable Capacity (Net MWe): 1070
8. If Changes Occur In Capacity Ratings (Items Number 3 Through 7)  
Since Last Report, Give Reasons:

NA

9. Power Level To Which Restricted, If Any (Net MWe): NA
10. Reasons For Restrictions, If Any: NA

	This Month	Yr.-to-Date Cumulative	
11. Hours In Reporting Period	719	2,903	6,168 *
12. Number Of Hours Reactor Was Critical	719	2,022.4	4,395.1 *
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	719	1,948.2	4,269.9 *
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2,387,071	6,289,695	13,977,650 *
17. Gross Electrical Energy Generated (MWH)	812,690.5	2,147,271.5	4,779,668.5 *
18. Net Electrical Energy Generated (MWH)	776,077	2,027,789	4,525,446 *
19. Unit Service Factor	100	67.11	69.23*
20. Unit Availability Factor	100	67.11	69.23*
21. Unit Capacity Factor (Using MDC Net)	100.88	65.28	68.57*
22. Unit Capacity Factor (Using DER Net)	100.88	65.28	68.57*
23. Unit Forced Outage Rate	0	7.45	5.69*
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Refueling, September 1984, 3 month duration.			

25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A
26. Units In Test Status (Prior To Commercial Operation): Forecast Achieved

INITIAL CRITICALITY  
INITIAL ELECTRICITY  
COMMERCIAL OPERATION

NA	NA
NA	NA
NA	NA

\* Based on California Public Utilities Commission Decision 84-12-060, these values have been revised to reflect an August 18, 1983 commercial operation date. The previous values were based on an August 8, 1983 commercial operation date.

# NRC MONTHLY OPERATING REPORT

DOCKET NO. 50-361  
UNIT SONGS - 2  
DATE 4/13/84 (as revised 2/15/85)  
COMPLETED BY L. I. Mayweather  
TELEPHONE (714) 492-7700  
Ext. 56264

## OPERATING STATUS

1. Unit Name: San Onofre Nuclear Generating Station, Unit 2
2. Reporting Period: March 1984
3. Licensed Thermal Power (MWt): 3390
4. Nameplate Rating (Gross MWe): 1127
5. Design Electrical Rating (Net MWe): 1070
6. Maximum Dependable Capacity (Gross MWe): 1127
7. Maximum Dependable Capacity (Net MWe): 1070
8. If Changes Occur In Capacity Ratings (Items Number 3 Through 7)  
Since Last Report, Give Reasons:

NA

9. Power Level To Which Restricted, If Any (Net MWe):
10. Reasons For Restrictions, If Any:

NA

NA

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744	2,184	5,449 *
12. Number Of Hours Reactor Was Critical	641.1	1,303.4	3,676.1 *
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	618.8	1,229.2	3,550.9 *
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	1,991,958	3,902,624	11,590,579 *
17. Gross Electrical Energy Generated (MWH)	683,114	1,334,581	3,966,978 *
18. Net Electrical Energy Generated (MWH)	646,281	1,251,712	3,749,369 *
19. Unit Service Factor	83.27	56.31	65.17*
20. Unit Availability Factor	83.27	56.31	65.17*
21. Unit Capacity Factor (Using MDC Net)	81.18	53.56	64.31*
22. Unit Capacity Factor (Using DER Net)	81.18	53.56	64.31*
23. Unit Forced Outage Rate	16.83	11.31	6.76*
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	N/A		

25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A
26. Units In Test Status (Prior To Commercial Operation): Forecast Achieved

INITIAL CRITICALITY  
INITIAL ELECTRICITY  
COMMERCIAL OPERATION

NA	NA
NA	NA
NA	NA

\* Based on California Public Utilities Commission Decision 84-12-060, these values have been revised to reflect an August 18, 1983 commercial operation date. The previous values were based on an August 8, 1983 commercial operation date.

# NRC MONTHLY OPERATING REPORT

DOCKET NO. 50-361  
UNIT SONGS - 2  
DATE 3/15/84 (as revised 2/15/85)  
COMPLETED BY L. I. Mayweather  
TELEPHONE (714) 492-7700  
Ext. 56264

## OPERATING STATUS

1. Unit Name: San Onofre Nuclear Generating Station, Unit 2
2. Reporting Period: February 1984
3. Licensed Thermal Power (MWt): 3390
4. Nameplate Rating (Gross MWe): 1127
5. Design Electrical Rating (Net MWe): 1070
6. Maximum Dependable Capacity (Gross MWe): 1127
7. Maximum Dependable Capacity (Net MWe): 1070
8. If Changes Occur In Capacity Ratings (Items Number 3 Through 7)  
Since Last Report, Give Reasons:

NA

9. Power Level To Which Restricted, If Any (Net MWe):
10. Reasons For Restrictions, If Any:

NA

NA

	This Month	Yr.-to-Date	Cumulative	
11. Hours In Reporting Period	696	1,440	4,705	*
12. Number Of Hours Reactor Was Critical	363.7	662.3	3,035	*
13. Reactor Reserve Shutdown Hours	0	0	0	
14. Hours Generator On-Line	330.5	610.4	2,932.1	*
15. Unit Reserve Shutdown Hours	0	0	0	
16. Gross Thermal Energy Generated (MWH)	1,031,289	1,910,666	9,598,621	*
17. Gross Electrical Energy Generated (MWH)	348,887	651,467	3,283,864	*
18. Net Electrical Energy Generated (MWH)	323,201	605,431	3,103,088	*
19. Unit Service Factor	47.5	42.4	62.32	*
20. Unit Availability Factor	47.5	42.4	62.32	*
21. Unit Capacity Factor (Using MDC Net)	43.4	39.3	61.64	*
22. Unit Capacity Factor (Using DER Net)	43.4	39.3	61.64	*
23. Unit Forced Outage Rate	0	4.92	4.32	*
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	N/A			

25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A
26. Units In Test Status (Prior To Commercial Operation): Forecast Achieved

**INITIAL CRITICALITY**  
**INITIAL ELECTRICITY**  
**COMMERCIAL OPERATION**

NA	NA
NA	NA
NA	NA

\* Based on California Public Utilities Commission Decision 84-12-060, these values have been revised to reflect an August 18, 1983 commercial operation date. The previous values were based on an August 8, 1983 commercial operation date.

# NRC MONTHLY OPERATING REPORT

DOCKET NO. 50-361  
UNIT SONGS - 2  
DATE 2/15/84 (as revised 2/15/85)  
COMPLETED BY L. I. Mayweather  
TELEPHONE (714) 492-7700  
Ext. 56264

## OPERATING STATUS

1. Unit Name: San Onofre Nuclear Generating Station, Unit 2
2. Reporting Period: January 1984
3. Licensed Thermal Power (MWt): 3390
4. Nameplate Rating (Gross MWe): 1127
5. Design Electrical Rating (Net MWe): 1070
6. Maximum Dependable Capacity (Gross MWe): 1127
7. Maximum Dependable Capacity (Net MWe): 1070
8. If Changes Occur In Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

NA

9. Power Level To Which Restricted, If Any (Net MWe): NA
10. Reasons For Restrictions, If Any: NA

	This Month	Yr.-to-Date Cumulative	
11. Hours In Reporting Period	744	744	4,009 *
12. Number Of Hours Reactor Was Critical	298.6	298.6	2,671.3 *
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	279.9	279.9	2,601.6 *
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	879,377	879,377	8,567,332 *
17. Gross Electrical Energy Generated (MWH)	302,581	302,581	2,934,977 *
18. Net Electrical Energy Generated (MWH)	282,231	282,231	2,779,887 *
19. Unit Service Factor	37.6	37.6	64.89*
20. Unit Availability Factor	37.6	37.6	64.89*
21. Unit Capacity Factor (Using MDC Net)	35.5	35.5	64.80*
22. Unit Capacity Factor (Using DER Net)	35.5	35.5	64.80*
23. Unit Forced Outage Rate	10.14	10.14	4.84*
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	N/A		

25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A
26. Units In Test Status (Prior To Commercial Operation): Forecast Achieved

INITIAL CRITICALITY  
INITIAL ELECTRICITY  
COMMERCIAL OPERATION

NA	NA
NA	NA
NA	NA

\* Based on California Public Utilities Commission Decision 84-12-060, these values have been revised to reflect an August 18, 1983 commercial operation date. The previous values were based on an August 8, 1983 commercial operation date.

# NRC MONTHLY OPERATING REPORT

DOCKET NO. 50-361  
 UNIT SONGS - 2  
 DATE 1/16/84 (as revised 2/15/85)  
 COMPLETED BY L. I. Mayweather  
 TELEPHONE (714) 492-7700  
 Ext. 56264

## OPERATING STATUS

1. Unit Name: San Onofre Nuclear Generating Station, Unit 2
2. Reporting Period: December 1983
3. Licensed Thermal Power (Mwt): 3390
4. Nameplate Rating (Gross MWe): 1127
5. Design Electrical Rating (Net MWe): 1070
6. Maximum Dependable Capacity (Gross MWe): 1127
7. Maximum Dependable Capacity (Net MWe): 1070
8. If Changes Occur In Capacity Ratings (Items Number 3 Through 7)  
Since Last Report, Give Reasons:

NA

9. Power Level To Which Restricted, If Any (Net MWe):
10. Reasons For Restrictions, If Any:

NA

NA

	This Month	Yr.-to-Date Cumulative	
11. Hours In Reporting Period	744	3,265	3,265 *
12. Number Of Hours Reactor Was Critical	307.4	2,372.7	2,372.7 *
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	274.6	2,321.7	2,321.7 *
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	885,405	7,687,955	7,687,955 *
17. Gross Electrical Energy Generated (MWH)	306,662	2,632,396	2,632,396 *
18. Net Electrical Energy Generated (MWH)	284,352	2,497,656	2,497,656 *
19. Unit Service Factor	36.9	71.11	71.11*
20. Unit Availability Factor	36.9	71.11	71.11*
21. Unit Capacity Factor (Using MDC Net)	35.7	71.49	71.49*
22. Unit Capacity Factor (Using DER Net)	35.7	71.49	71.49*
23. Unit Forced Outage Rate	0	4.16	4.16*
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	N/A		

25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A
26. Units In Test Status (Prior To Commercial Operation): Forecast Achieved

**INITIAL CRITICALITY**  
**INITIAL ELECTRICITY**  
**COMMERCIAL OPERATION**

NA	NA
NA	NA
NA	NA

\* Based on California Public Utilities Commission Decision 84-12-060, these values have been revised to reflect an August 18, 1983 commercial operation date. The previous values were based on an August 8, 1983 commercial operation date.

# NRC MONTHLY OPERATING REPORT

DOCKET NO. 50-361  
UNIT SONGS - 2  
DATE 12/15/83 (as revised 2/15/85)  
COMPLETED BY L. I. Mayweather  
TELEPHONE (714) 492-7700  
Ext. 56264

## OPERATING STATUS

1. Unit Name: San Onofre Nuclear Generating Station, Unit 2
2. Reporting Period: November 1983
3. Licensed Thermal Power (MWt): 3390
4. Nameplate Rating (Gross MWe): 1127
5. Design Electrical Rating (Net MWe): 1070
6. Maximum Dependable Capacity (Gross MWe): 1127
7. Maximum Dependable Capacity (Net MWe): 1070
8. If Changes Occur In Capacity Ratings (Items Number 3 Through 7)  
Since Last Report, Give Reasons: NA
9. Power Level To Which Restricted, If Any (Net MWe): NA
10. Reasons For Restrictions, If Any: NA

	This Month	Yr.-to-Date	Cumulative	
11. Hours In Reporting Period	720	2,521	2,521	*
12. Number Of Hours Reactor Was Critical	331.0	2,065.3	2,065.3	*
13. Reactor Reserve Shutdown Hours	0	0	0	
14. Hours Generator On-Line	331.0	2,047.1	2,047.1	*
15. Unit Reserve Shutdown Hours	0	0	0	
16. Gross Thermal Energy Generated (MWH)	1,113,802	6,802,550	6,802,550	*
17. Gross Electrical Energy Generated (MWH)	377,015	2,325,734	2,325,734	*
18. Net Electrical Energy Generated (MWH)	355,435	2,213,304	2,213,304	*
19. Unit Service Factor	46.0	81.20	81.20	*
20. Unit Availability Factor	46.0	81.20	81.20	*
21. Unit Capacity Factor (Using MDC Net)	46.1	82.05	82.05	*
22. Unit Capacity Factor (Using DER Net)	46.1	82.05	82.05	*
23. Unit Forced Outage Rate	2.2	4.69	4.69	*
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	N/A			

25. If Shut Down At End Of Report Period, Estimated Date of Startup: 15 December 1983
26. Units In Test Status (Prior To Commercial Operation): Forecast Achieved

INITIAL CRITICALITY  
INITIAL ELECTRICITY  
COMMERCIAL OPERATION

NA	NA
NA	NA
NA	NA

- \* Based on California Public Utilities Commission Decision 84-12-060, these values have been revised to reflect an August 18, 1983 commercial operation date. The previous values were based on an August 8, 1983 commercial operation date.

# NRC MONTHLY OPERATING REPORT

DOCKET NO. 50-361  
UNIT SONGS - 2  
DATE 11/14/83 (as revised 2/15/85)  
COMPLETED BY L. I. Mayweather  
TELEPHONE (714) 492-7700  
Ext. 56264

## OPERATING STATUS

1. Unit Name: San Onofre Nuclear Generating Station, Unit 2
2. Reporting Period: October 1983
3. Licensed Thermal Power (MWt): 3390
4. Nameplate Rating (Gross MWe): 1127
5. Design Electrical Rating (Net MWe): 1070
6. Maximum Dependable Capacity (Gross MWe): 1127
7. Maximum Dependable Capacity (Net MWe): 1070
8. If Changes Occur In Capacity Ratings (Items Number 3 Through 7)  
Since Last Report, Give Reasons:

NA

9. Power Level To Which Restricted, If Any (Net MWe):
10. Reasons For Restrictions, If Any:

NA

NA

	This Month	Yr.-to-Date	Cumulative	
11. Hours In Reporting Period	745	1,801	1,801	*
12. Number Of Hours Reactor Was Critical	707.8	1,734.3	1,734.3	*
13. Reactor Reserve Shutdown Hours	0	0	0	
14. Hours Generator On-Line	696.2	1,716.1	1,716.1	*
15. Unit Reserve Shutdown Hours	0	0	0	
16. Gross Thermal Energy Generated (MWH)	2,290,487	5,688,748	5,688,748	*
17. Gross Electrical Energy Generated (MWH)	776,329	1,948,719	1,948,719	*
18. Net Electrical Energy Generated (MWH)	738,729	1,857,869	1,857,869	*
19. Unit Service Factor	93.4	95.29	95.29	*
20. Unit Availability Factor	93.4	95.29	95.29	*
21. Unit Capacity Factor (Using MDC Net)	92.7	96.41	96.41	*
22. Unit Capacity Factor (Using DER Net)	92.7	96.41	96.41	*
23. Unit Forced Outage Rate	6.5	4.71	4.71	*
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):				
18 Month Surveillance Outage, November 15, 1983, 1-month duration.				

25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A
26. Units In Test Status (Prior To Commercial Operation): Forecast Achieved

INITIAL CRITICALITY  
INITIAL ELECTRICITY  
COMMERCIAL OPERATION

NA

NA

NA

NA

NA

NA

- \* Based on California Public Utilities Commission Decision 84-12-060, these values have been revised to reflect an August 18, 1983 commercial operation date. The previous values were based on an August 8, 1983 commercial operation date.

# NRC MONTHLY OPERATING REPORT

DOCKET NO. 50-361  
UNIT SONGS - 2  
DATE 10/17/83 (as revised 2/15/85)  
COMPLETED BY L. I. Mayweather  
TELEPHONE (714) 492-7700  
Ext. 56264

## OPERATING STATUS

1. Unit Name: San Onofre Nuclear Generating Station, Unit 2
2. Reporting Period: September 1983
3. Licensed Thermal Power (MWt): 3390
4. Nameplate Rating (Gross MWe): 1127
5. Design Electrical Rating (Net MWe): 1070
6. Maximum Dependable Capacity (Gross MWe): 1127
7. Maximum Dependable Capacity (Net MWe): 1070
8. If Changes Occur In Capacity Ratings (Items Number 3 Through 7)  
Since Last Report, Give Reasons:

NA

9. Power Level To Which Restricted, If Any (Net MWe):
10. Reasons For Restrictions, If Any:

NA

NA

	This Month	Yr.-to-Date	Cumulative	
11. Hours In Reporting Period	720	1,056	1,056	*
12. Number Of Hours Reactor Was Critical	690.5	1,026.5	1,026.5	*
13. Reactor Reserve Shutdown Hours	0	0	0	
14. Hours Generator On-Line	683.9	1,019.9	1,019.9	*
15. Unit Reserve Shutdown Hours	0	0	0	
16. Gross Thermal Energy Generated (MWH)	2,298,632	3,398,261	3,398,261	*
17. Gross Electrical Energy Generated (MWH)	792,200	1,172,390	1,172,390	*
18. Net Electrical Energy Generated (MWH)	755,500	1,119,140	1,119,140	*
19. Unit Service Factor	95.0	96.58	96.58	*
20. Unit Availability Factor	95.0	96.58	96.58	*
21. Unit Capacity Factor (Using MDC Net)	98.1	99.05	99.05	*
22. Unit Capacity Factor (Using DER Net)	98.1	99.05	99.05	*
23. Unit Forced Outage Rate	5.0	3.42	3.42	*
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):				
<u>18-Month Surveillance Outage, November 15, 1983, 1-month duration.</u>				

25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A
26. Units In Test Status (Prior To Commercial Operation): Forecast Achieved

INITIAL CRITICALITY  
INITIAL ELECTRICITY  
COMMERCIAL OPERATION

NA	NA
NA	NA
NA	NA

\* Based on California Public Utilities Commission Decision 84-12-060, these values have been revised to reflect an August 18, 1983 commercial operation date. The previous values were based on an August 8, 1983 commercial operation date.

# NRC MONTHLY OPERATING REPORT

DOCKET NO. 50-361  
UNIT SONGS - 2  
DATE 9/15/83 (as revised 2/15/85)  
COMPLETED BY L. I. Mayweather  
TELEPHONE (714) 492-7700  
Ext. 56264

## OPERATING STATUS

1. Unit Name: San Onofre Nuclear Generating Station, Unit 2
2. Reporting Period: 18 August 1983 through 31 August 1983
3. Licensed Thermal Power (MWt): 3390
4. Nameplate Rating (Gross MWe): 1127
5. Design Electrical Rating (Net MWe): 1070
6. Maximum Dependable Capacity (Gross MWe): 1127
7. Maximum Dependable Capacity (Net MWe): 1070
8. If Changes Occur In Capacity Ratings (Items Number 3 Through 7)  
Since Last Report, Give Reasons:

NA

9. Power Level To Which Restricted, If Any (Net MWe): NA
10. Reasons For Restrictions, If Any: NA

	This Month	Yr.-to-Date	Cumulative	
11. Hours In Reporting Period	336	336	336	*
12. Number Of Hours Reactor Was Critical	336	336	336	*
13. Reactor Reserve Shutdown Hours	0	0	0	*
14. Hours Generator On-Line	336	336	336	*
15. Unit Reserve Shutdown Hours	0	0	0	
16. Gross Thermal Energy Generated (MWH)	1,099,629	1,099,629	1,099,629	*
17. Gross Electrical Energy Generated (MWH)	380,190	380,190	380,190	*
18. Net Electrical Energy Generated (MWH)	363,640	363,640	363,640	*
19. Unit Service Factor	100	100	100	*
20. Unit Availability Factor	100	100	100	*
21. Unit Capacity Factor (Using MDC Net)	101.1	101.1	101.1	*
22. Unit Capacity Factor (Using DER Net)	101.1	101.1	101.1	*
23. Unit Forced Outage Rate	0	0	0	*
24. Shutdowns Scheduled Over Next 5 Months (Type, Date, and Duration of Each): <u>18-Month Surveillance Outage, November 15, 1983, 1 month duration.</u>				

25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A
26. Units In Test Status (Prior To Commercial Operation): Forecast Achieved

INITIAL CRITICALITY  
INITIAL ELECTRICITY  
COMMERCIAL OPERATION

NA	NA
NA	NA
NA	NA

\* Based on California Public Utilities Commission Decision 84-12-060, these values have been revised to reflect an August 18, 1983 commercial operation date. The previous values were based on an August 8, 1983 commercial operation date.

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-361  
 UNIT SONGS - 2  
 DATE 9/15/83 (as revised 2/15/85)  
 COMPLETED BY L. I. Mayweather  
 TELEPHONE (714) 492-7700  
Ext. 56264

MONTH August 1983

DAY AVERAGE DAILY POWER LEVEL  
 (MWe-Net)

1	<u>N/A</u>
2	<u>N/A</u>
3	<u>N/A</u>
4	<u>N/A</u>
5	<u>N/A</u>
6	<u>N/A</u>
7	<u>N/A</u>
8	<u>N/A</u>
9	<u>N/A</u>
10	<u>N/A</u>
11	<u>N/A</u>
12	<u>N/A</u>
13	<u>N/A</u>
14	<u>N/A</u>
15	<u>N/A</u>
16	<u>N/A</u>

DAY AVERAGE DAILY POWER LEVEL  
 (MWe-Net)

17	<u>N/A</u>
18	<u>1114.46</u>
19	<u>1082.60</u>
20	<u>948.33</u>
21	<u>1115.73</u>
22	<u>1069.67</u>
23	<u>1123.69</u>
24	<u>1134.52</u>
25	<u>1137.00</u>
26	<u>1099.98</u>
27	<u>1075.85</u>
28	<u>886.67</u>
29	<u>1115.83</u>
30	<u>1137.50</u>
31	<u>1117.92</u>

2

*Southern California Edison Company*

SAN ONOFRE NUCLEAR GENERATING STATION

P.O. BOX 128

SAN CLEMENTE, CALIFORNIA 92672

**SCE**

J. G. HAYNES  
STATION MANAGER

TELEPHONE  
(714) 492-7700

February 15, 1985

Director  
Office of Management Information and  
Program Analysis  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Sir:

Subject: Docket Nos. 50-361 and 50-362  
Monthly Operating Reports for January 1985  
San Onofre Nuclear Generating Station, Units 2 and 3

Enclosed are the Monthly Operating Reports as required by Section 6.9.1.10 of Appendix A, Technical Specifications to Facility Operating Licenses NPF-10 and NPF-15 for San Onofre Nuclear Generating Station, Units 2 and 3, respectively. Included for Unit 2 is a revised average daily power level sheet from the beginning of commercial operation through the end of August 1983. Revised operating status sheets are included for August 1983 through the end of December 1984. These revisions were required because the commercial operation date changed from August 8, 1983, to August 18, 1983, based on the California Public Utilities Commission Decision 84-12-060.

Please contact us if we can be of further assistance.

Sincerely,

*J. G. Haynes*

Enclosures

cc: J. B. Martin (Regional Administrator, USNRC Region V)

F. R. Huey (USNRC Senior Resident Inspector, Units 1, 2 and 3)

J. P. Stewart (USNRC Resident Inspector, Units 2 and 3)

IE24  
11