

UNIT NAME Indian Point Unit No. 2  
 DATE December 6, 1976  
 COMPLETED BY S. D. Julias  
 Performance General Supervisor Tele. #914-694-6000  
 OPERATING STATUS Ext. 231 @ I.P.

1. REPORTING PERIOD: 761101 THROUGH 761130  
 GROSS HOURS IN REPORTING PERIOD: 720  
 2. CURRENTLY AUTHORIZED POWER LEVEL Mwt 2758 MWe-NET 864\*  
 3. POWER LEVEL TO WHICH RESTRICTED (IF ANY): None MWe-NET  
 4. REASONS FOR RESTRICTIONS (IF ANY):

	THIS MONTH	YR-TO-DATE	CUMULATIVE TO DATE **
5. HOURS REACTOR WAS CRITICAL . . . . .	0	2770.37	13161.72
6. REACTOR RESERVE SHUTDOWN HOURS (5) . . . . .	0	0	0
7. HOURS GENERATOR ON-LINE . . . . .	0	2611.33	12647.21
8. UNIT RESERVE SHUTDOWN HOURS (6) . . . . .	0	0	0
9. GROSS THERMAL POWER GENERATED (MWH) . . . . .	0	6643942	31375688
10. GROSS ELECTRICAL POWER GENERATED (MWH) . . . . .	0	2117996	9789586
11. NET ELECTRICAL POWER GENERATED (MWH) . . . . .	-4327	2004294	9317198
12. REACTOR AVAILABILITY FACTOR (1) . . . . .	0	34.5	62.0
13. PLANT AVAILABILITY FACTOR (2) . . . . .	0	32.5	59.6
14. PLANT CAPACITY FACTOR (3) . . . . .	0	28.9	50.8
15. FORCED OUTAGE RATE (4) . . . . .	0	5.93	8.08
16. SHUTDOWNS SCHEDULED TO BEGIN IN NEXT 6 MONTHS (STATE TYPE, DATE AND DURATION OF EACH):			

17. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: 12/15/76  
 18. PLANTS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION) REPORT THE FOLLOWING:

	DATE LAST FORECAST	DATE ACHIEVED	REASON FOR DIFFERENCE
INITIAL CRITICALITY			
INITIAL ELECTRICAL POWER GENERATION		N.A.	
COMMERCIAL OPERATION			

- (1) REACTOR AVAILABILITY FACTOR =  $\frac{\text{HOURS REACTOR WAS CRITICAL}}{\text{GROSS HOURS IN REPORTING PERIOD}} \times 100$   
 (2) PLANT AVAILABILITY FACTOR =  $\frac{\text{HOURS GENERATOR ON-LINE}}{\text{GROSS HOURS IN REPORTING PERIOD}} \times 100$   
 (3) PLANT CAPACITY FACTOR =  $\frac{\text{NET ELECTRICAL POWER GENERATED}}{\text{CURRENTLY LICENSED POWER LEVEL} \times \text{GROSS HOURS IN REPORTING PERIOD}} \times 100$   
 (4) FORCED OUTAGE RATE =  $\frac{\text{FORCED OUTAGE HOURS}}{\text{HOURS GENERATOR ON-LINE} + \text{FORCED OUTAGE HOURS}} \times 100$   
 (5) REACTOR RESERVE SHUTDOWN HOURS = THE DURATION IN HOURS THAT THE REACTOR WAS REMOVED FROM SERVICE FOR ADMINISTRATIVE OR OTHER REASONS BUT WAS AVAILABLE FOR OPERATION.  
 (6) UNIT RESERVE SHUTDOWN HOURS = THE DURATION IN HOURS THAT THE UNIT WAS REMOVED FROM SERVICE FOR ECONOMIC OR SIMILAR REASONS, BUT WAS AVAILABLE FOR OPERATION.

\* Maximum Dependable Capacity

\*\* See March, 1975 Report

8111120139 761210  
 PDR ADOCK 05000247  
 PDR

UNIT Indian Point Unit No. 2

DATE December 6, 1976

COMPLETED BY S. D. Julias  
Performance General  
Supervisor

Tele. # 914-694-6000

Ext. 231 @ I.P.

DAILY PLANT POWER OUTPUT

MONTH November, 1976

<u>DAY</u>	<u>AVERAGE DAILY MWe-net</u>	<u>DAY</u>	<u>AVERAGE DAILY MWe-net</u>
1	<u>0</u>	25	<u>0</u>
2	<u>0</u>	26	<u>0</u>
3	<u>0</u>	27	<u>0</u>
4	<u>0</u>	28	<u>0</u>
5	<u>0</u>	29	<u>0</u>
6	<u>0</u>	30	<u>0</u>
7	<u>0</u>	31	<u>-</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>		
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>		

SUMMARY: Unit out of service  
for entire month for inspec-  
tion of steam generators.

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DATE December 6, 1976

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Performance General Supervisor

Tele. #914-694-6000 Ext. 231 @ I.P.

REPORT MONTH November, 1976

PLANT SHUTDOWNS

	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	COMMENTS
129	10/29/76	S	720	B	A	Unit shutdown for inspection of steam generators and miscellaneous maintenance work.

(1) REASON:  
A-EQUIPMENT FAILURE (EXPLAIN)  
B-MAINT. OR TEST  
C-REFUELING  
D-REGULATORY RESTRICTION  
E-OPERATOR TRAINING AND  
LICENSE EXAMINATION  
F-ADMINISTRATIVE

(2) METHOD:  
A- MANUAL  
B- MANUAL SCRAM  
C- AUTOMATIC SCRAM

UNIT NAME Indian Point Unit No. 3  
 DATE December 6, 1976  
 COMPLETED BY S. D. Julias  
 Performance General Supervisor Tele. #914-694-6000  
 OPERATING STATUS Ext. 231 @ I.P.

1. REPORTING PERIOD: 761101 THROUGH 761130  
 GROSS HOURS IN REPORTING PERIOD: 720  
 2. CURRENTLY AUTHORIZED POWER LEVEL Mwt 2760\* MWe-NET 873  
 3. POWER LEVEL TO WHICH RESTRICTED (IF ANY): None MWe-NET  
 4. REASONS FOR RESTRICTIONS (IF ANY):

	THIS MONTH	YR-TO-DATE	** CUMULATIVE ** TO DATE
5. HOURS REACTOR WAS CRITICAL . . . . .	<u>713.98</u>	<u>1681.98</u>	<u>1681.98</u>
6. REACTOR RESERVE SHUTDOWN HOURS (5) . . . . .	<u>0</u>	<u>0</u>	<u>0</u>
7. HOURS GENERATOR ON-LINE . . . . .	<u>705.08</u>	<u>1628.83</u>	<u>1628.83</u>
8. UNIT RESERVE SHUTDOWN HOURS (6) . . . . .	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL POWER GENERATED (MWH) . . . . .	<u>1859918</u>	<u>4185701</u>	<u>4185701</u>
10. GROSS ELECTRICAL POWER GENERATED (MWH) . . . . .	<u>628 230</u>	<u>1386310</u>	<u>1386310</u>
11. NET ELECTRICAL POWER GENERATED (MWH) . . . . .	<u>604963</u>	<u>1328706</u>	<u>1328706</u>
12. REACTOR AVAILABILITY FACTOR (1) . . . . .	<u>99.2</u>	<u>75.3</u>	<u>75.3</u>
13. PLANT AVAILABILITY FACTOR (2) . . . . .	<u>97.9</u>	<u>72.9</u>	<u>72.9</u>
14. PLANT CAPACITY FACTOR (3) . . . . .	<u>96.2</u>	<u>68.2</u>	<u>68.2</u>
15. FORCED OUTAGE RATE (4) . . . . .	<u>2.07</u>	<u>3.18</u>	<u>3.18</u>

16. SHUTDOWNS SCHEDULED TO BEGIN IN NEXT 6 MONTHS (STATE TYPE, DATE AND DURATION OF EACH): 3 day shutdown commencing December 16 for miscellaneous maintenance work.

17. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: \_\_\_\_\_

18. PLANTS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION) REPORT THE FOLLOWING:

	DATE LAST FORECAST	DATE ACHIEVED	REASON FOR DIFFERENCE
INITIAL CRITICALITY	_____	<u>4/6/76</u>	_____
INITIAL ELECTRICAL POWER GENERATION	_____	<u>4/25/76</u>	_____
COMMERCIAL OPERATION	_____	<u>8/30/76</u>	_____

- (1) REACTOR AVAILABILITY FACTOR =  $\frac{\text{HOURS REACTOR WAS CRITICAL}}{\text{GROSS HOURS IN REPORTING PERIOD}} \times 100$   
 (2) PLANT AVAILABILITY FACTOR =  $\frac{\text{HOURS GENERATOR ON-LINE}}{\text{GROSS HOURS IN REPORTING PERIOD}} \times 100$   
 (3) PLANT CAPACITY FACTOR =  $\frac{\text{NET ELECTRICAL POWER GENERATED}}{\text{CURRENTLY LICENSED POWER LEVEL} \times \text{GROSS HOURS IN REPORTING PERIOD}} \times 100$   
 (4) FORCED OUTAGE RATE =  $\frac{\text{FORCED OUTAGE HOURS}}{\text{HOURS GENERATOR ON-LINE} + \text{FORCED OUTAGE HOURS}} \times 100$   
 (5) REACTOR RESERVE SHUTDOWN HOURS = THE DURATION IN HOURS THAT THE REACTOR WAS REMOVED FROM SERVICE FOR ADMINISTRATIVE OR OTHER REASONS BUT WAS AVAILABLE FOR OPERATION.  
 (6) UNIT RESERVE SHUTDOWN HOURS = THE DURATION IN HOURS THAT THE UNIT WAS REMOVED FROM SERVICE FOR ECONOMIC OR SIMILAR REASONS, BUT WAS AVAILABLE FOR OPERATION.

\* Operation at reactor core power levels not in excess of 3025 MWT authorized for startup testing program.

\*\* Data from start of commercial operation on 8/30/76 @ 0001 hours.

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DATE December 6, 1976

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Performance General  
Supervisor

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DAILY PLANT POWER OUTPUT

MONTH November, 1976

<u>DAY</u>	<u>AVERAGE DAILY MWe-net</u>	<u>DAY</u>	<u>AVERAGE DAILY MWe-net</u>
1	<u>878</u>	25	<u>884</u>
2	<u>878</u>	26	<u>885</u>
3	<u>938</u>	27	<u>856</u>
4	<u>959</u>	28	<u>882</u>
5	<u>877</u>	29	<u>780</u>
6	<u>877</u>	30	<u>834</u>
7	<u>877</u>	31	<u>-</u>
8	<u>847</u>		
9	<u>865</u>		
10	<u>874</u>		
11	<u>877</u>		
12	<u>879</u>		
13	<u>848</u>		
14	<u>768</u>		
15	<u>771</u>		
16	<u>775</u>		
17	<u>662</u>		
18	<u>346</u>		
19	<u>877</u>		
20	<u>884</u>		
21	<u>884</u>		
22	<u>881</u>		
23	<u>882</u>		
24	<u>880</u>		

Record gross and net electrical power generated for the month. Reactor and plant availability factors and plant capacity factor also higher than any previous month.

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REPORT MONTH November, 1976

# PLANT SHUTDOWNS

[illegible]

- (1) REASON:  
A-EQUIPMENT FAILURE (EXPLAIN)  
B-MAINT. OR TEST  
C-REFUELING  
D-REGULATORY RESTRICTION  
E-OPERATOR TRAINING AND  
LICENSE EXAMINATION  
F-ADMINISTRATIVE  
G-OPERATIONAL ERROR  
(EXPLAIN)

- (2) METHOD:  
A- MANUAL  
B- MANUAL SCRAM  
C- AUTOMATIC SCRAM