

SOUTH TEXAS PROJECT  
ELECTRIC GENERATING STATION  
UNIT 1  
MONTHLY OPERATING REPORT  
AUGUST 1996  
HOUSTON LIGHTING AND POWER CO.  
NRC DOCKET NO. 50-498  
LICENSE NO. NPF-76

Reviewed By:

D. M. Bergendahl  
D.M. BERGENDAHL

9/5/96  
Date

Approved By:

G. L. Parkey  
G.L. PARKEY

9/8/96  
Date

## MONTHLY SUMMARY

STPEGS Unit 1 operated during the reporting period at full power with no unit shutdowns or significant power reductions.

## OPERATING DATA REPORT

DOCKET NO. 50-498  
 UNIT 1  
 DATE Sep. 5, 1996  
 COMPLETED BY R.L. Hill  
 TELEPHONE 512 972-7667

### OPERATING STATUS

1. REPORTING PERIOD: 8/1/96-8/31/96 GROSS HOURS IN REPORTING PERIOD: 744
2. CURRENTLY AUTHORIZED POWER LEVEL (Mwt): 3800  
 MAXIMUM DEPENDABLE CAPACITY (MWe-Net): 1250.6  
 DESIGN ELECTRICAL RATING (MWe-Net): 1250.6
3. POWER LEVEL TO WHICH RESTRICTED (IF ANY) (MWe-Net): None
4. REASONS FOR RESTRICTION (IF ANY): N/A

	THIS MONTH	YR TO DATE	CUMULATIVE
5. NUMBER OF HOURS REACTOR CRITICAL	<u>744.0</u>	<u>5,313.2</u>	<u>46,950.5</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
7. HOURS GENERATOR ON LINE	<u>744.0</u>	<u>5,286.0</u>	<u>45,625.3</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>2,839,848</u>	<u>19,900,464</u>	<u>168,056,799</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>972,900</u>	<u>6,835,340</u>	<u>57,217,010</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>930,710</u>	<u>6,542,060</u>	<u>54,354,780</u>
12. REACTOR SERVICE FACTOR	<u>100.0%</u>	<u>90.7%</u>	<u>66.8%</u>
13. REACTOR AVAILABILITY FACTOR	<u>100.0%</u>	<u>90.7%</u>	<u>66.8%</u>
14. UNIT SERVICE FACTOR	<u>100.0%</u>	<u>90.3%</u>	<u>64.9%</u>
15. UNIT AVAILABILITY FACTOR	<u>100.0%</u>	<u>90.3%</u>	<u>64.9%</u>
16. UNIT CAPACITY FACTOR (Using MDC)	<u>100.0%</u>	<u>89.3%</u>	<u>61.8%</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)	<u>100.0%</u>	<u>89.3%</u>	<u>61.8%</u>
18. UNIT FORCED OUTAGE RATE	<u>0.0%</u>	<u>0.0%</u>	<u>24.0%</u>
19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):	<u>N/A</u>		
20. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:	<u>N/A</u>		

# AVERAGE DAILY UNIT POWER LEVEL

DOCKETNO. 50-498  
UNIT 1  
DATE Sep. 5, 1996  
COMPLETED BY R.L. Hill  
TELEPHONE 512 972-7667

MONTH AUGUST

DAY AVERAGE DAILY POWER  
LEVEL  
(MWe-Net)

1	<u>1251</u>
2	<u>1248</u>
3	<u>1248</u>
4	<u>1252</u>
5	<u>1251</u>
6	<u>1248</u>
7	<u>1248</u>
8	<u>1253</u>
9	<u>1248</u>
10	<u>1253</u>
11	<u>1252</u>
12	<u>1253</u>
13	<u>1248</u>
14	<u>1252</u>
15	<u>1250</u>
16	<u>1247</u>

DAY AVERAGE DAILY POWER  
LEVEL  
(MWe-Net)

17	<u>1251</u>
18	<u>1250</u>
19	<u>1247</u>
20	<u>1251</u>
21	<u>1251</u>
22	<u>1255</u>
23	<u>1250</u>
24	<u>1251</u>
25	<u>1257</u>
26	<u>1252</u>
27	<u>1252</u>
28	<u>1256</u>
29	<u>1252</u>
30	<u>1252</u>
31	<u>1252</u>

# UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKETNO. 50-498  
 UNIT 1  
 DATE Sep. 5, 1996  
 COMPLETED BY R.L. Hill  
 TELEPHONE 512 972-7667

REPORT MONTH AUGUST

No.	Date	<sup>1</sup> Type	Duration (Hours)	<sup>2</sup> Reason	<sup>3</sup> Method of Shutting Down Reactor	Licensee Event Report #	<sup>4</sup> System Code	<sup>5</sup> Component Code	Cause & Corrective Action to Prevent Recurrence
THERE WERE NO UNIT SHUTDOWNS OR SIGNIFICANT POWER REDUCTIONS DURING THE REPORTING PERIOD									

<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 Exam  
 F-Administrative  
 G-Operational Error (Explain)  
 H-Other (Explain)

<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram  
 3-Automatic Scram  
 4-Cont. of Existing  
 Outage  
 5-Reduction  
 9-Other

<sup>4</sup>  
 IEEE 805-1983

<sup>5</sup>  
 IEEE 803-1983

## **PORVS AND SAFETY VALVE SUMMARY**

There were no PORV or Safety Valves challenged during the reporting period.

SOUTH TEXAS PROJECT  
ELECTRIC GENERATING STATION  
UNIT 2  
MONTHLY OPERATING REPORT  
AUGUST 1996  
HOUSTON LIGHTING AND POWER CO.  
NRC DOCKET NO. 50-499  
LICENSE NO. NPF-80

Reviewed By:

D. Bergendahl  
D.M. BERGENDAHL

9/5/96  
Date

Approved By:

R.E. Masse  
R.E. MASSE

9/9/96  
Date

## MONTHLY SUMMARY

STPEGS Unit 2 operated during the reporting period at full power with no unit shutdowns or significant power reductions.



## OPERATING DATA REPORT

DOCKETNO. 50-499  
UNIT 2  
DATE Sep. 5, 1996  
COMPLETED BY R.L. Hill  
TELEPHONE 512 972-7667

### OPERATING STATUS

1. REPORTING PERIOD: 8/1/96-8/31/96 GROSS HOURS IN REPORTING PERIOD: 744
2. CURRENTLY AUTHORIZED POWER LEVEL (Mwt): 3800  
MAXIMUM DEPENDABLE CAPACITY (MWe-Net): 1250.6  
DESIGN ELECTRICAL RATING (MWe-Net): 1250.6
3. POWER LEVEL TO WHICH RESTRICTED (IF ANY) (MWe-Net): None
4. REASONS FOR RESTRICTION (IF ANY): N/A

	THIS MONTH	YR TO DATE	CUMULATIVE
5. NUMBER OF HOURS REACTOR CRITICAL	<u>744.0</u>	<u>5,524.7</u>	<u>43,625.4</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
7. HOURS GENERATOR ON LINE	<u>744.0</u>	<u>5,445.0</u>	<u>42,263.5</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>2,839,665</u>	<u>20,666,490</u>	<u>155,641,167</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>970,700</u>	<u>7,086,600</u>	<u>52,914,981</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>928,750</u>	<u>6,782,560</u>	<u>50,431,906</u>
12. REACTOR SERVICE FACTOR	<u>100.0%</u>	<u>94.4%</u>	<u>69.1%</u>
13. REACTOR AVAILABILITY FACTOR	<u>100.0%</u>	<u>94.4%</u>	<u>69.1%</u>
14. UNIT SERVICE FACTOR	<u>100.0%</u>	<u>93.0%</u>	<u>66.9%</u>
15. UNIT AVAILABILITY FACTOR	<u>100.0%</u>	<u>93.0%</u>	<u>66.9%</u>
16. UNIT CAPACITY FACTOR (Using MDC)	<u>99.8%</u>	<u>92.6%</u>	<u>63.9%</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)	<u>99.8%</u>	<u>92.6%</u>	<u>63.9%</u>
18. UNIT FORCED OUTAGE RATE	<u>0.0%</u>	<u>1.0%</u>	<u>23.4%</u>
19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):	<u>N/A</u>		
20. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:	<u>N/A</u>		

# AVERAGE DAILY UNIT POWER LEVEL

DOCKETNO. 50-499  
UNIT 2  
DATE Sep. 5, 1996  
COMPLETED BY R.L. Hill  
TELEPHONE 512 972-7667

MONTH AUGUST

DAY AVERAGE DAILY POWER  
LEVEL  
(MWe-Net)

1	<u>1252</u>
2	<u>1244</u>
3	<u>1248</u>
4	<u>1244</u>
5	<u>1248</u>
6	<u>1248</u>
7	<u>1248</u>
8	<u>1248</u>
9	<u>1244</u>
10	<u>1248</u>
11	<u>1253</u>
12	<u>1248</u>
13	<u>1244</u>
14	<u>1248</u>
15	<u>1248</u>
16	<u>1248</u>

DAY AVERAGE DAILY POWER  
LEVEL  
(MWe-Net)

17	<u>1248</u>
18	<u>1244</u>
19	<u>1252</u>
20	<u>1245</u>
21	<u>1252</u>
22	<u>1248</u>
23	<u>1251</u>
24	<u>1251</u>
25	<u>1251</u>
26	<u>1251</u>
27	<u>1251</u>
28	<u>1247</u>
29	<u>1248</u>
30	<u>1252</u>
31	<u>1248</u>

# UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKETNO. 50-499  
 UNIT 2  
 DATE Sep. 5, 1996  
 COMPLETED BY R.L. Hill  
 TELEPHONE 512 972-7667

REPORT MONTH AUGUST

No.	Date	1 Type	Duration (Hours)	2 Reason	3 Method of Shutting Down Reactor	Licensee Event Report #	4 System Code	5 Component Code	Cause & Corrective Action to Prevent Recurrence
THERE WERE NO UNIT SHUTDOWNS OR SIGNIFICANT POWER REDUCTIONS DURING THE REPORTING PERIOD									

1  
 F: Forced  
 S: Scheduled

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

3  
 Method:  
 1-Manual  
 2-Manual Scram  
 3-Automatic Scram  
 4-Cont. of Existing  
 Outage  
 5-Reduction  
 9-Other

4  
 IEEE 805-1983

5  
 IEEE 803-1983

## **PORVS AND SAFETY VALVE SUMMARY**

There were no PORV or Safety Valves challenged during the reporting period.