



PERFORMANCE

| | |
|----------------------|-----------------------------|
| GROSS GENERATION KW. | TURBINE HEAT-RATE BTU/KW-HR |
| 885749. | 10369.2 |

LEGEND

- Q----FLOW-LBS/HR
- F---TEMPERATURE- F
- P---PRESSURE-LBS/SQ. IN ABS.
- H---ENTHALPY OF STEAM-BTU/LB
- FTD--TERMINAL DIFFERENCE (F)
- ELEP--EXPANSION LINE END POINT
- UEEP--USED ENERGY END POINT
- D.C.--DRAIN COOLER APPROACH (F)
- S.C.--SUBCOOLING (F)
- STEAM
- WATER
- EXTRACTION STEAM
- TWO PHASE FLOW
- MAIN PATH

| SHEET NO | THROTTLE FLOW LBS/HR | THROTTLE PRESSURE PSIA | BACK PRESSURE IN. HG ABS | CYCLE LOSSES LBS/HR | BLOW DOWN LBS/HR |
|----------|----------------------|------------------------|--------------------------|---------------------|------------------|
| 14 | 10722336. | 852 | 2.00 | 18697. | 15000. |
| 15 | 10722333. | 852 | 2.20 | 18697. | 15000. |
| 16 | 10722331. | 852 | 2.40 | 18697. | 15000. |
| 17 | 10722328. | 852 | 2.60 | 18697. | 15000. |
| 18 | 10722326. | 852 | 2.80 | 18697. | 15000. |
| 19 | 10722323. | 852 | 3.00 | 18697. | 15000. |
| 20 | 10722321. | 852 | 3.20 | 18697. | 15000. |
| 21 | 10722319. | 852 | 3.40 | 18697. | 15000. |

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FLORIDA POWER & LIGHT COMPANY
ST. LUCIE PLANT
1976 - 890,000 KW INSTALATION UNIT NO.1
HEAT BALANCE
2690 MWT VARIABLE BACK PRESSURE
3.40 INCHES HG ABSOLUTE

EBASCO SERVICES INCORPORATED NEW YORK

| | | |
|------------|---------------------------|---------------------|
| SCALE-NONE | APPROVED | DATE 7-2-82 |
| DIV. _____ | DR. <i>W. Santolucito</i> | 8770-C-057 SH 21 |
| CH. _____ | <i>W. Santolucito</i> | |

| NO. | DATE | REVISION | BY | CH. | APPROVED |
|-----|------|---|----|-----|----------|
| 1 | | DRAWING ORIGINALLY APPROVED AS BCS-125-61.303 SH 8 OF 8 | | | |

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