



Gross Power = 1266925 kW, Aux. & Transformer losses = 71435 kW, Net Power Output = 1195490 kW  
 Gross Heat Rate = 10228 kJ/kWh, Net Heat Rate = 7918 kJ/kWh (3.14)  
 Gross Elec. Eff = 54.36 %, Net Elec. Eff = 51.29 %, PURPA Eff = 51.29 %, CHP (Total) Eff = 51.29 % (LHV)  
 Fuel LHV chemical energy input = 2330520 kW

OT PRG 28 0 ME  
 01-08-16-2018 18:03:04 file=C:\TFLQWMB\FILES\Combined cycle producing 1200 MW and 42 MGD desalinated water TGP  
 p Bar, T [C], h [kJ/kg], M [kg/s], Q [kW], w [%] satd. Steam Properties: IFC67  
 Upper case M for total plant flow, lower case m for each CTRSG flow.

|              |                                                                                                                                                                                                |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Company      | Thermoflow, Inc.                                                                                                                                                                               |
| User         | ME                                                                                                                                                                                             |
| Installation | MEP - 42 MGD                                                                                                                                                                                   |
| Power Plant  | One, 3-Unit, 301-4-2000 (Thermal Model) - 3-Unit<br>HRSG: Non-reheat, horizontal HRSG - 3 Unit<br>Steam Turbine: Condensate, Non-reheat - 1 Unit<br>Cooling System: Once-through water cooling |
| Project      |                                                                                                                                                                                                |
| Site         |                                                                                                                                                                                                |
| Heat Balance |                                                                                                                                                                                                |
| Date         | 08-16-2018                                                                                                                                                                                     |
| Notes        |                                                                                                                                                                                                |