

Section 4 Expected Performance

ELEGUA Performance Runs

	LM2500+ LM6000
Site Elevation	1407 Feet
Design Temperature	86 F
Relative Humidity	51%

Simple Cycle

ID GTPRO	330	283	Plant
	LM6000 PC SPT	(2) LM2500+	Total / Avg.
Gross Power KW	36054	46310	82364
Net Power KW	35421	45389	80810
Aux & Losses KW	632.4	920.3	1553
LHV Gross Heat Rate (BTU/kWh)	8747	9236	8992
LHV Net Heat Rate (BTU/kWh)	8903	9424	9164
LHV Gross Electric Eff %	39.01	36.94	38
LHV Net Electric Eff %	38.33	36.21	37
LHV Fuel (kBTU/h)	315367	427738	743105
HHV Fuel (kBTU/h)	335908	455599	791507
Fuel Chemical HHV/LHV Ratio	1.065	1.065	1.065
Fuel Gas (KPPH)	0	0	0
Fuel Gas (MMSCFD)	0.00	0.00	0
Liquid Fuel (KPPH)	17.24	23.38	41
Liquid Fuel (GPM)	39.86	54.05	94
Water for Nox (KPPH)	0	0	0
Water for Nox (GPM)	0	0	0
SPT Water (KPPH)	8	0	8
SPT Water (GPM)	17	0	17

	GPM	GPD (24)	3 D	5D
RAW Water Total	22	31206	93619	156031
Water Total	17	24380	73140	121899
Liquid Fuel Total	94	135235	405705	676175

	LM6000	(2)LM2500+	Total	
Liquid Fuel	40	54	94	GPM
Demin Water LF	17	0	17	GPM
RAW Water for LF	22	0	22	GPM

13.97 p
86 T
51 %RH
901.5 m
1407 ft elev.



13.82 p
86 T
901.5 m

8.472 m 49.26 m
No.2 Distillate 17.24 m
LHV 315367 kBTU/h

77 T

1X GE LM6000SPT

878 m

36054 kW

14.15 p
870 T
878 M

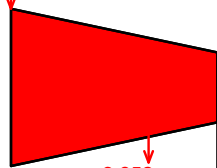
Net Power 35421 kW
LHV Heat Rate 8903 BTU/kWh

73.8 %N₂
13.98 %O₂
4.078 %CO₂
7.243 %H₂O
0.8888 %Ar
0.0088 %SO₂

13.97 p
86 T
51 %RH
553.2 m
1407 ft elev.



13.82 p
86 T
553.2 m



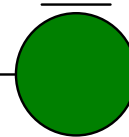
3.852 m
No.2 Distillate 11.69 m
LHV 213869 kBTU/h

77 T

1X GE LM2500+PV



23155 kW



561.1 m

2 X GT
14.15 p
981 T
1122.2 M

Net Power 45389 kW
LHV Heat Rate 9424 BTU/kWh

74.88 %N₂
13.87 %O₂
4.352 %CO₂
5.981 %H₂O
0.9018 %Ar
0.0093 %SO₂