

Terra-Gen Dixie Valley, LLC

December 2013

DOE Monthly Report

FROM: Douglas Brown – Site Manager

DATE: January 10, 2013

PRODUCTION AND GENERATION DATA

Binary Production	December	YTD
Gross Generation MWHs	3,560	24,219
Site Load MWHs	472	5,842
Net Generation MWHs	3,077	18,367
Average Monthly Net Generation MWs	4.14	2.10
Hours in Service	732.85	6,641.65
Availability	98.50%	75.82%

SUMMARY

Power Plant

During the month of December there were 11 hours of unscheduled outage time. The unit is overall limited by brine handling capabilities.

The brine pump discharge rating / motive force to move hot water flow through the heat exchangers cannot overcome the high differential pressure (post heat exchanger cleaning) with the addition of a brine line booster pump.

The brine line booster pump motor failed along with the pump mechanical seal. The pump and motor were removed and sent to a repair facility to determine the cause and obtain repair cost estimates. A purchase order was issued and the pump repaired and the motor rotor rewound. The motor lower bearing failed but the root cause is not known.

The unit overall was very productive during the month of December due to the cold ambient temperature and the efficiency of the system to extract heat.

Scheduled Outages:

There were no scheduled outages during the month.

Unscheduled Outages:

The binary project was off line 11 hours. The time off line each trip event was relatively short in duration.

The trip events were during cold ambient temperatures / low air pressure on the 5th and 6th. The exhaust temperature transmitter failed on the 7th and 12th. PLC indications were lost on the 10th, 20th and 31st which required the unit to be shutdown in order to reboot the PLC.

Curtailments:

No curtailments occurred during the month.