

Terra-Gen Dixie Valley, LLC

January 2014

DOE Monthly Report

FROM: Douglas Brown – Site Manager

DATE: February 5, 2014

PRODUCTION AND GENERATION DATA

Binary Production	January	YTD
Gross Generation MWHs	3,816	3,816
Site Load MWHs	794	794
Net Generation MWHs	3,021	3,021
Average Monthly Net Generation MWs	4.06	4.06
Hours in Service	717.77	717.77
Availability	96.47%	96.47%

SUMMARY

Power Plant

During the month of January there were 26 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 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 26 hours. Approximately 23 hours (8th, 15th & 16th) of the off line time was related to the exhaust temperature transmitter or RTD failure. The noise level / vibration at the exhaust of the turbine expander is the likely cause. Higher quality RTD's to handle the vibration have been ordered. A request to the OEM to move the location to downstream of the muffler / silencer has been requested to further assist with mitigating this issue.

The trip events were on January 8th, 9th, 15th, 16th and 22nd. On the 9th a communication issue with seal oil tank level resulted in a trip and immediate recover. PLC indications were lost on the 22nd which required the unit to be shutdown in order to reboot the PLC.

Curtailments:

No curtailments occurred during the month.