

Greenwood Solar Facility –Learning Objectives

Potential areas of learning:

1. Knowledge concerning the design and construction of solar facilities.
2. Knowledge regarding the potential benefits to locating solar facilities near existing power plants.
3. Knowledge regarding the training of existing employees to successfully operate solar facilities and perform maintenance on the facilities.
4. Knowledge regarding the impact of the facility on GMO's existing electrical distribution grid. Impacts studied will include voltage and system stability, reactive power potential, weather effects on solar energy production.
5. What is the real cost and maintenance profile of a utility-scaled solar facility?

Evaluation: Following one year of operation of the facility, the Company (KCP&L and KCP&L Greater Missouri Operations Company) will evaluate the above areas with a cross functional team consisting of representatives from distribution, generation and regulatory. This team will meet every following year for five years to re-evaluate the information provided by the facility. If additional learning areas are identified, GMO will inform the Commission of those areas with a filing in EA-2015-0256. After five years of operation, the Company will compile the information learned from the operation of the facility into a report to be filed at the Commission. This report may be filed sooner, if GMO makes an application for another utility scale solar facility.