

KCPL GMO
Case Name: Solar Generation Facilities
Case Number: EA-2015-0256

Response to Mueth Marcella Interrogatories - MPSC_20151217
Date of Response:

Question:0028S

SUPPLEMENTAL

Issue: General Information & Miscellaneous - Certificates of Convenience/Feasibility Analysis

Description: Highly Confidential

Please provide the final (100%) design package approved by GPES. If the final design package is not yet complete, please provide the fifty percent (50%) design package approved by GPES. If neither the 50% nor the final design package is available at this time please explain and provide an updated project schedule. DR requested by Claire Eubanks (Claire.eubanks@psc.mo.gov).

RESPONSE: (do not edit or delete this line or anything above this)

On January 19, 2016, GMO received the following question from Marcella Mueth with Staff:

Would you provide some clarification to OPC DR a1? The response states “The facility is in the process of design and review.” However, Staff’s DR 28 specifically asked for the “the final (100%) design package approved by GPES.” I just wanted to make sure Staff has all the correct information here.

Also, it appears GMO’s response to DR 28 is incomplete. Please see attached Exhibit B(HC) from the contract with Sungevity, which lists all parts of the 100% design package. It appears we are missing items 5.3.4, 5.3.6, 5.3.9 through 5.3.20, and 5.3.22 through 5.3.25. The Company late-filed the drawing set and the “Exhibit B - Technical Specifications,” but these are not construction-level specifications. The 100% design package should include both the complete drawing set and construction-level specifications.

GMO Response:

OPC-1 was answered on 12-14-2015 and at that time final drawings were not available. GMO received the final drawings subsequently and included them with Staff DR-28 on 12-17-2015.

This supplemental data request 28s contains additional information in response to Staff’s January 19th follow-up inquiry.

The construction specifications are part of the drawing package. The specification format was agreed upon by KCP&L, the contractor, and the third party reviewer.

The missing items in the 100% design package are as follows:

5.3.4 - AC Three Line Drawings - Determined to be unnecessary and as such do not exist.

5.3.6 - DC Three Line Drawings - Included for the combiner boxes as the wiring is critical. This can be found on sheet E6.1.

5.3.9 - Grading Plan – Attached to this response. (DWGs & SPECS)

5.3.20 - Meteorological Stations – Discussion on brand and location still ongoing.

5.3.22 – PCS Shelter – No shelter will be built for this project.

5.3.23 – Equipment Elevation Drawings – Not required at this time.

5.3.24 – Arc Flash Study and Labels - Study is contingent upon equipment & relay protection settings. Items to be coordinated with electrical contractor & KCPL. Study will be produced following that coordination process.

5.3.25 – Load Flow and Voltage Drop Calculations – Attached to this response.

Attachments:

Q0028s_KCPL Greenwood Solar Voltage Drop Calcs_151211
Q0028s_Verification.pdf

The following Grading Plan attachments are considered **Highly Confidential** due to system security concerns:

Q0028s_HC_KCPL_Greenwood Solar_GD Pkg_DWGs_ASI-02
Q0028s_HC_KCPL_Greenwood Solar_GD Pkg_SPECS_ASI-02

Response provide by John Arthur.