

Fast Track Screening-South Forty Solar

PSB Rule 5.505 provides a list of criteria that allows a project to be processed without a Feasibility Study, System Impact Study or Facilities Report. To be considered, a project must meet all of the Fast Track Criteria.

Each of these conditions is listed below:

- 1) The proposed Generation Resource is not a certified equipment package but it meets IEEE 929, IEEE 1547 and UL 1741, per Section 5.510
- 2) The proposed interconnection point is not at transmission voltage.
- 3) The Generation Resource exceeds 15 % of the line section annual peak load. The line section peak load is 173 kW while the generation is 2500 kW, 1445%.
- 4) The project will not contribute more than 10% of the primary fault current at the high voltage connection nearest to the interconnection. The project will contribute 110 amps while the fault current is presently 2388 amps, 4.61 %.
- 5) The aggregated generation on the circuit will not cause any protective device to be above 85 % of its interrupting capability. The closest protective device is a set of 140 K fuses. The interrupting rating of these fuses is approximately 280 amps. The current from the generation resource is 104.7 amps, or 37 % of the fuse rating.
- 6) The effectively grounded Generation Resource (GR) will be connected phase to ground on a three phase, four wire wye system. The wye-delta transformer configuration will act as a grounding bank. The impact of this configuration will need to be studied.
- 7) The Generation Resource is inverter based. As such, inrush is not a significant issue.
- 8) The ratio of available fault current to generator output current is 22.74, above the recommended minimum of 20. Available fault current is 2388 amps, L-G while the output current is 104.72 amps.
- 9) The Generation Resource is 2.5 MW, more than the 2 MW limit of this screening process.
- 10) Line 1L1 needs to be rebuilt along Sunset Cliff Road from P2832 to the site.
- 11) The Generation Resource is not connected to a network.

12) The Generation Resource is not going to be connected on a shared single phase secondary.

13) The Generation Resource is not to be connected single phase.

The South Forty Solar project fails criteria 3,6,9, and 10.