## **DER Planning Analysis Screens**

## (Aggregate DER on Circuit/Substation)

Distribution Planning Analysis for Aggregations of Simplified Applications (Note 4)

Power Flow Screen: Is the aggregate Export Capacity on the circuit less than 67% of circuit minimum load (and, if available, line segment minimum load)?

Substation Saturation Screen: Is the aggregate Export Capacity at the substation less than 67% of the minimum load on the substation bus when any individual circuit is taken out of service?

Simplified Aggregation Screen: Is the aggregate Nameplate Rating of Simplified Applications of the circuit less than 250kW since the last engineering analysis was performed on the circuit?

**Recommended Outcomes** 

At the discretion of the Company, if any Distribution Planning Analysis screen fails, an internal process occurs at the Company to evaluate whether further action is required. **Individual applications are not delayed.** 

## Note 4 – Distribution Planning Analysis:

**Distribution Planning Analysis in parallel with interconnection process:** At the discretion of the Company, if the aggregate Export Capacity and/or Nameplate Rating of Simplified applications on the circuit is greater than the thresholds identified in the diagram, a more expansive study may be required, but an individual Simplified application that passes the technical screens for local concerns should not be delayed as a result of the Distribution Planning Analysis screens in receiving: (a) Conditional Approval as long as the Company has a clear funding source for any incremental work triggered by an aggregation of Simplified applications in an area or (b) Authority to Interconnect as long as there are no immediate safety or reliability concerns are present.

**Description of Power Flow Screen:** On a typical radial distribution EPS circuit ("feeder") the annual minimum load as referenced at the protective device at the supply point of the circuit. A circuit may also be supplied from a tap on a higher-voltage line, sometimes called a subtransmission line. On more complex radial EPSs, where bidirectional power flow is possible due to alternative circuit supply options ("loop service"), the normal supply point is the loop tap. If minimum load is not readily available, the minimum load will be estimated by taking a percentage of peak load.