HOSTING CAPACITY ANALYSIS METHODOLOGY AND ASSUMPTIONS

This interactive map illustrates hosting capacity for FortisAlberta's distribution circuits. This data is being provided for informational purposes only and is not intended to be a substitute for the established interconnection application process.

Hosting Capacity is an estimate of the amount of Distributed Energy Resources (DER) that may be accommodated without adversely impacting power quality or reliability under current configurations and without requiring infrastructure upgrades. The analyses presented in these displays provide the feeder level hosting capacity for distribution circuits emanating from a 25 kV substation.

Please note that these analyses were conducted under current system configurations, including installed DER and DER currently in the FortisAlberta application process (queue), and prior to infrastructure upgrades such as: installing a recloser or protective device at the Point of Common Coupling, replacing a voltage regulating device or controller to allow for reverse flow, substation-related upgrades including protection settings and devices, or other protection-related upgrades. These additional elements are considered during individual DER application studies.

These hosting capacity displays represent the overall feeder level hosting capacity only and does not account for all factors that could impact interconnection costs (including substation constraints).

Please note that issues related to circuit protection require further analysis to make a definitive determination of hosting capacity. Additional displays with tabulated data have been included in the form of data pop-up displays.

This map does not restrict applications from being submitted for a particular feeder, but rather is a tool to inform applicants on the amount of DER a feeder has the potential to host without the need for significant system upgrades at the DER applicant's cost.