

Preliminary Reliability Study Methodology

With EPSS active, momentary and transformer level outages result in circuit-level outages. The Preliminary Reliability Study aggregates outages to the upstream EPSS device for quantification of 2022 reliability impact.

Key Assumptions:

1. Attributed historical fuse and transformer level outages to their closest upstream EPSS capable device
2. Aggregated all downstream customers from each EPSS capable device for forecast of outage CESO
3. Outages included in study:

Area	Query Parameters
SCOPE	<ul style="list-style-type: none"> 2022 EPSS Circuits¹ May to November, 2019-2021
TYPE	<ul style="list-style-type: none"> Unplanned Sustained (Non-Momentary)
LEVEL	<ul style="list-style-type: none"> Distribution Circuit & Transformer Level
CAUSE	<ul style="list-style-type: none"> Vegetation only
EXCLUSIONS	<ul style="list-style-type: none"> 2.5b ME Days, ISO & Fire-Related

