

Indicator 3: Rate of Unplanned Outages of Multiple Transmission Elements



What it measures

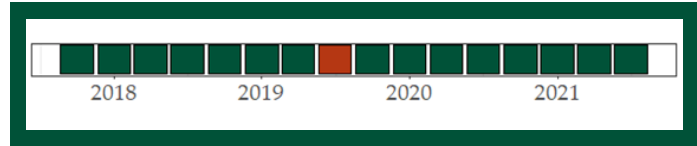
Indicator 3 measures how often potentially high-risk, unplanned transmission outages occur on the system.

How it is measured

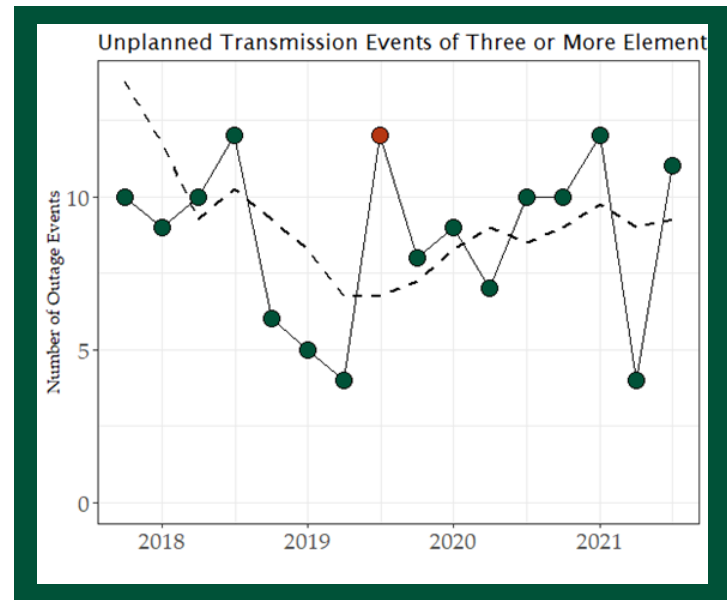
Indicator 3 tracks the number of unplanned transmission events involving three or more Bulk Electric System elements each quarter.

Why this matters

While most transmission events involve an outage of a single element, some events involve multiple elements. Though relatively uncommon, events involving three or more elements pose a higher risk because they are more extensive than the n-1 and n-2 contingencies typically considered by planners.



Indicator Performance History



What does the Q3 2021 evaluation tell us?

Although the number of unplanned transmission events of three or more elements was slightly above the rolling average in Q3 of 2021, the number was not high enough to trigger concern. Consequently, Q3 is considered "green" for this indicator. The current number of unplanned transmission outages involving three or more elements does not currently pose a high risk to system reliability.

DATA SOURCE

Transmission Availability
Data System (TADS)

