Indicator 1:
Number and Severity of Reported Events

What it measures

Indicator 1 measures the frequency and severity of events that occur on the system each quarter. This measurement is based on the NERC Event Analysis Process to track and evaluate events. The indicator measures only reported events evaluated through that process.

How it is measured

Indicator 1 is based on two characteristics of reported events:

1. Sum of the Event Severity Risk Index (eSRI) number for each event every quarter.
2. Number of Category 2 and higher events each quarter.*

*Category 2 and higher events are rare, typically fewer than one per year. One Category 2 event occurred in Q3 2022.

Indicator Performance History

Why this matters

Events pose a risk to system reliability. Category 2 or higher events are more significant events that have severe impacts on the system.
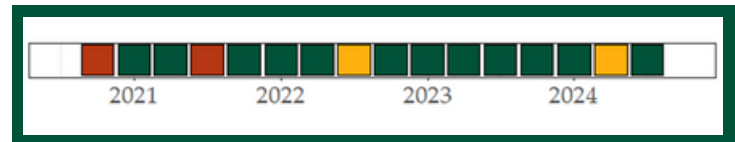
What does the Q3 2024 evaluation tell us?

There were eight categorized events in the Western Interconnection in Q3 of 2024. Seven of these were category 1a events, one was a category 1h event.

Of these eight events, two affected customer loads with an outage duration less than two hours, while seven affected generation resources with return-to-service times of a few minutes to a few hours. The shorter duration of these outages result in a reduction in the system impacts from the events. Due to these reduced impacts, the eSRI sum for the quarter is the lowest since Q4 of 2020 and well below the rolling average. This reduction in the eSRI also returns the index status to the typical and good level for Q3.