

Indicator 1: Number and Severity of Reported Events



What it measures

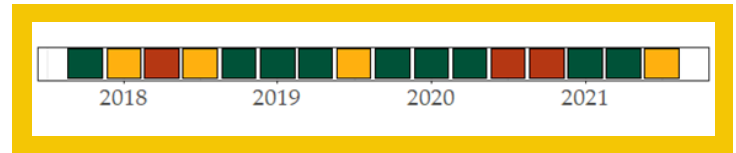
Indicator 1 measures the frequency and severity of events that occur on the system each quarter. This measurement is based on the [NERC Event Analysis Process](#) to track and evaluate events. The indicator measures only [reported events](#) evaluated through that process.

How it is measured

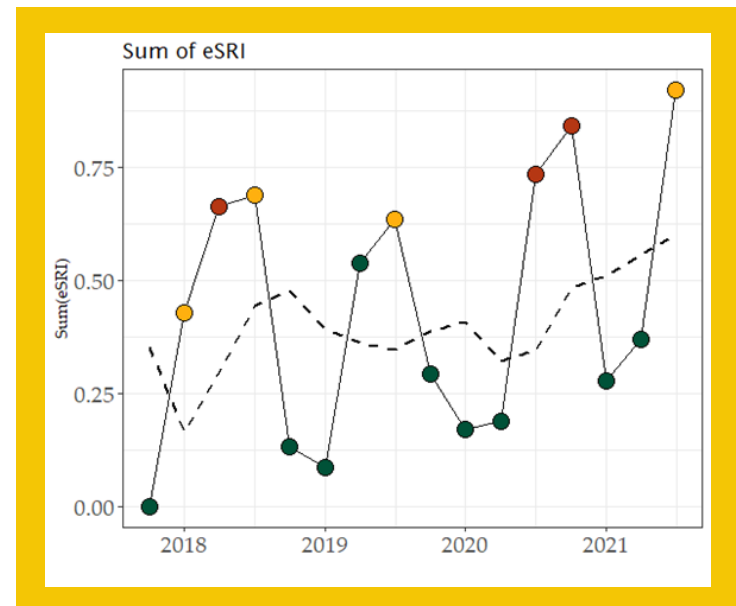
Indicator 1 is based on two characteristics of reported events:

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, and none have occurred since 2016.*



Indicator Performance History



Why this matters

Events pose a risk to system reliability. Category 2 or higher events are more significant events that have more severe impacts on the system.

What does the Q3 2021 evaluation tell us?

There were no Category 2 or higher events in the third quarter of 2021, but the eSRI total was unusually greater than the average of the four quarters up to and including that quarter. Consequently, the status of this indicator is "yellow". The eSRI total was based on eleven different events in that quarter, three of which were related to momentary cessation of inverter resources and another two involved the tripping of 500 kV lines due to failed or misoperated equipment. WECC and NERC are currently developing a Disturbance Report for the multiple solar PV disturbances in CAISO that occurred between June and August of 2021.

DATA SOURCE

The Event Analysis Management System
NERC eSRI metric

