

## WECC Wildfire Data Analysis EAP Conference

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## Wildfire Data

- Total reported incidents by years
- Total incidents by voltage class
- Average duration in hours of line's removed from service by voltage and year
- Percentage of lines effected by voltage class
- Number outages caused by wildfires on lines part of the Major WECC Transfer Paths
- Number of incidents on BES lines by voltage class
- Average duration in hours of total reported incidents by voltage class
- Number of transmission line outages by reason for line removal
- Average amount of load dropped (in megawatts) per incident
- Average number of customers losing service per incident
- Number of outages associated with PSPS or state programs



## **Benefits and Trends**

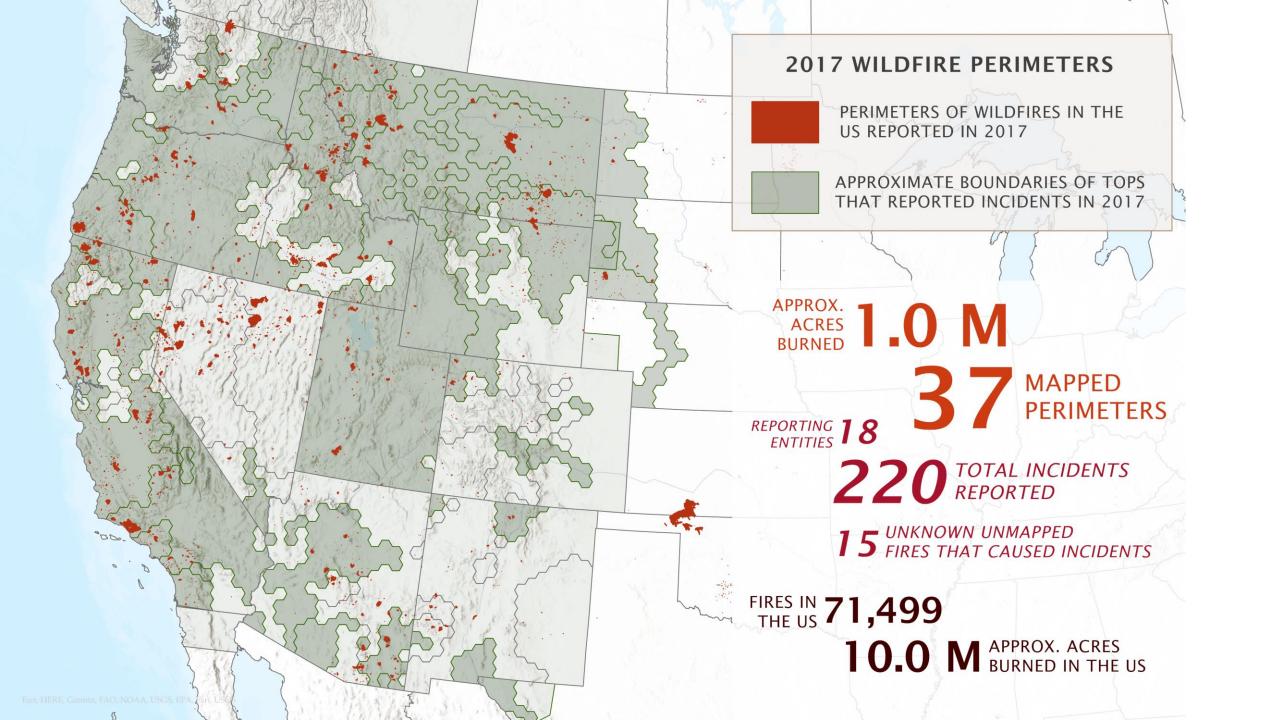
- Are there transmission lines that are more susceptible to wildfire trips than others?
- Are transmission-initiated wildfires increasing over time?
- What trend can we see for lines taken out of service due to Public Safety Power Shutoffs (or similar programs)?
- Are any changes needed to Reliability Standards (FAC-003-4 & FAC-501-WECC-2)?
- What trends we are seeing related to wildfires (size, number, duration) in the West?

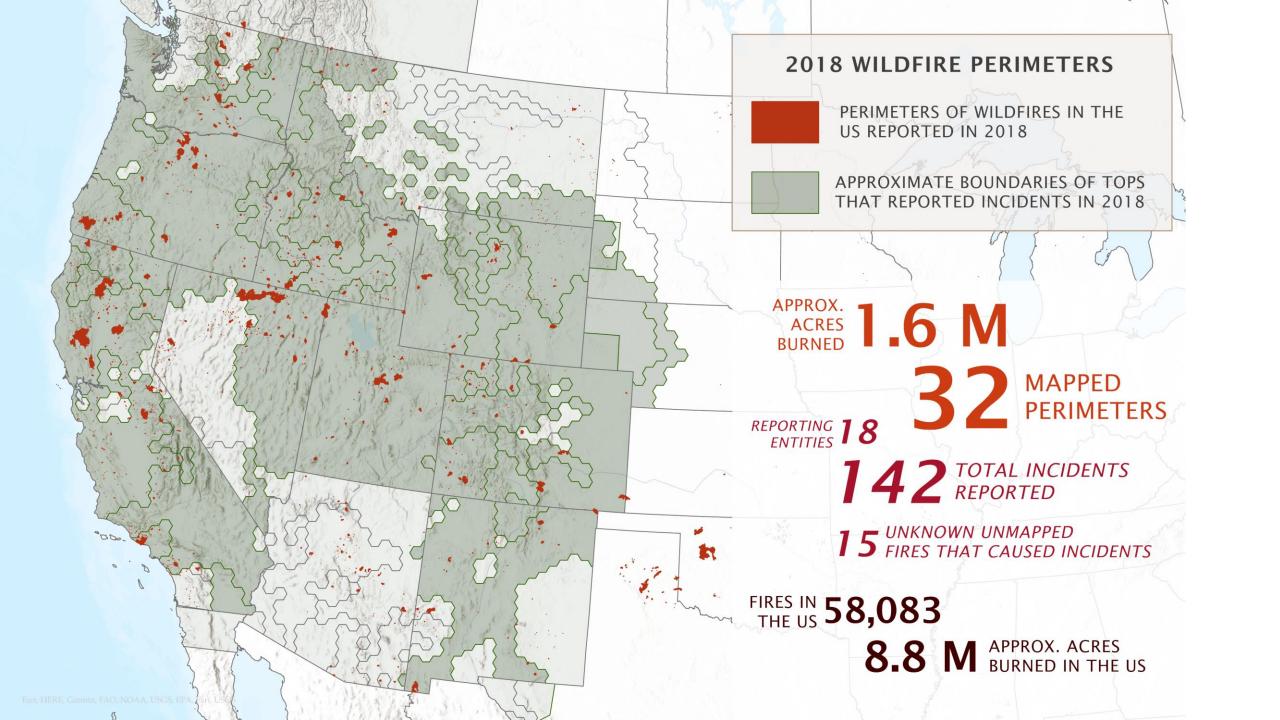


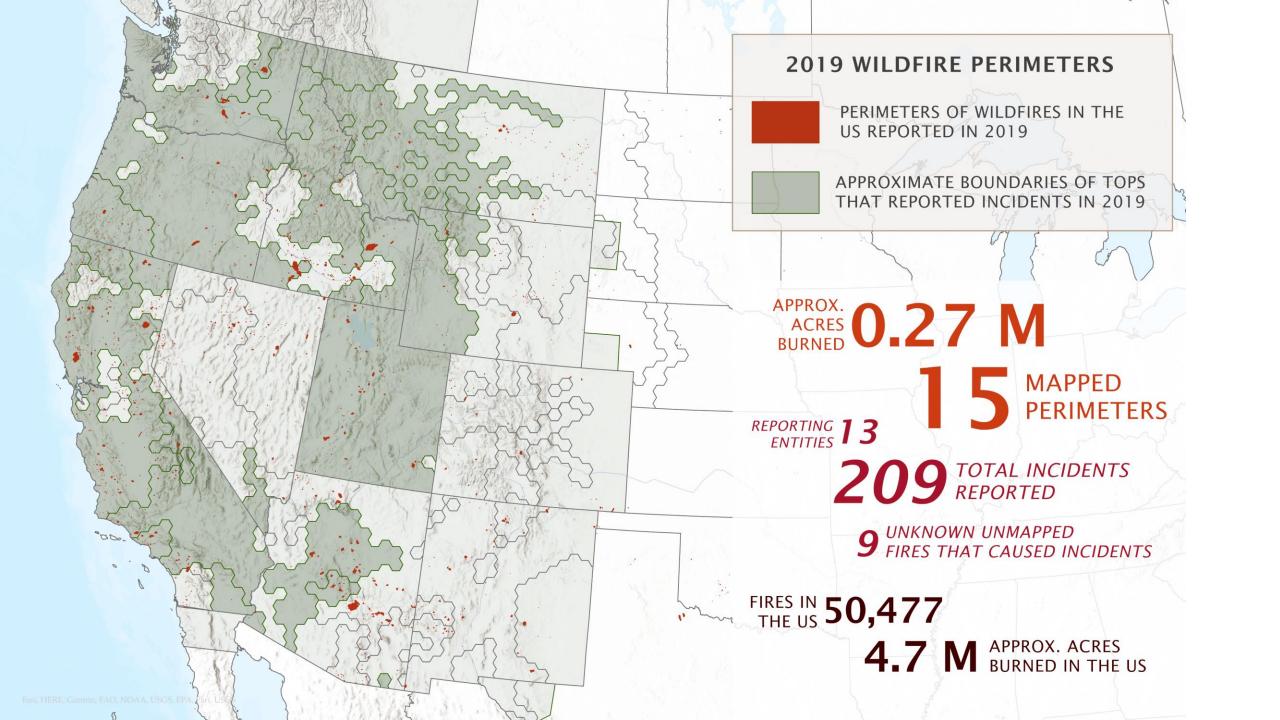
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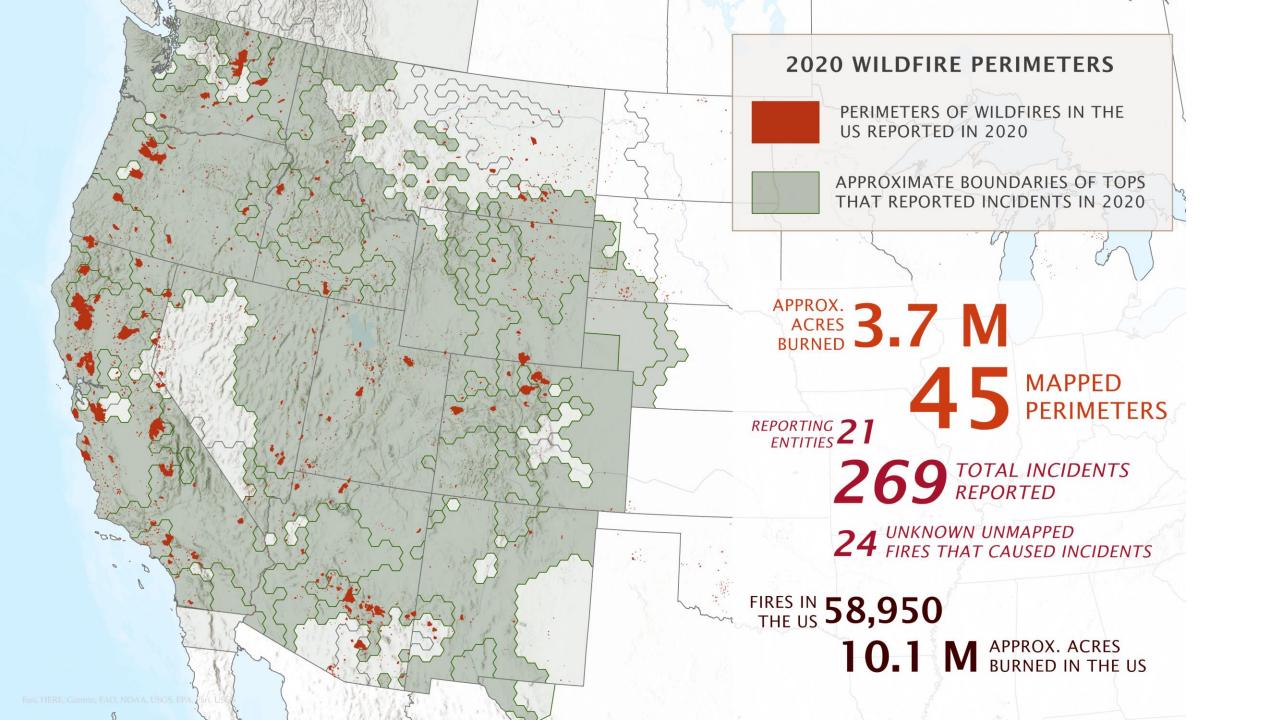
- Gathering this data over time allows WECC to further identify trends from year to year and can help determine best practices for mitigation.
- Gathering data from all TOPs provides a broader awareness of how wildfires are impacting entities across the entire interconnection and the reliability risks impacting the BPS.
- The data provides an annual view of the interconnection performance during wildfires.

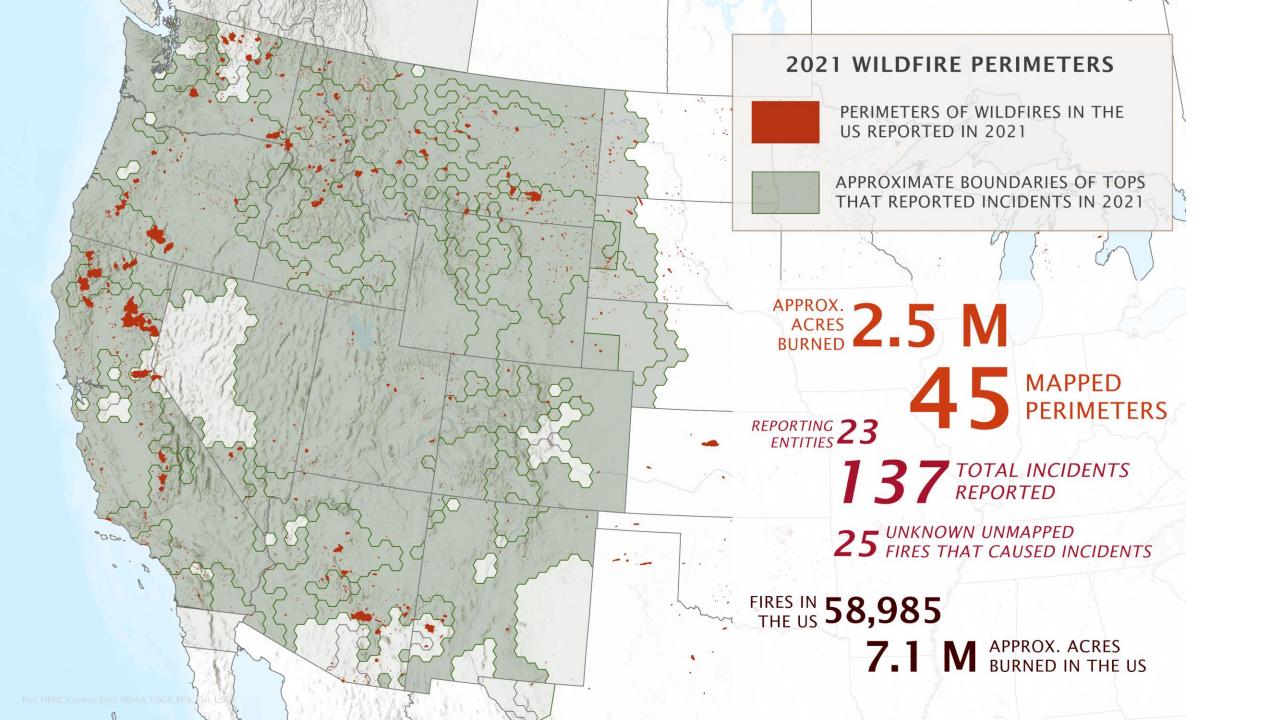














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