



2021 WMP Update Workshop

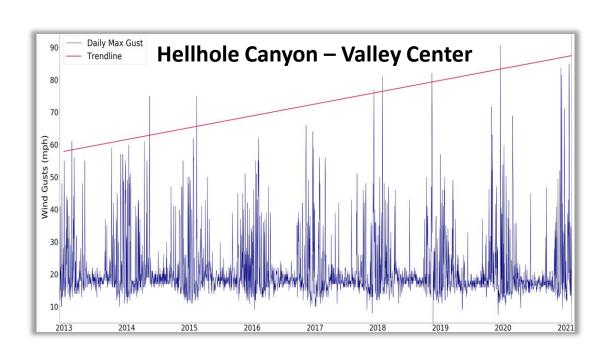
PSPS: Reducing the Scale, Scope and Frequency

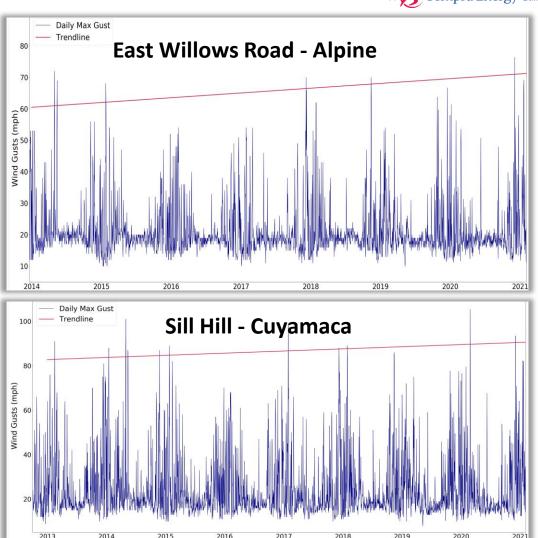
February 23, 2021

Wind Data Over Time



2013-2021 weather data collected from the SDG&E weather network indicates an **increase in occurrences** of high wind events over the last several years.

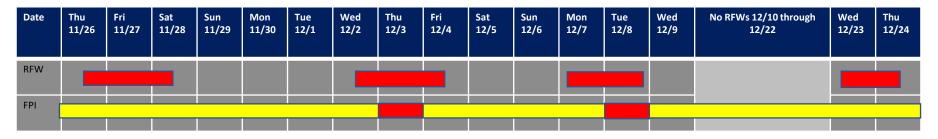




Late Season RFWs & PSPS



In 2020, there were 4 late-season RFW/PSPS events out of a total of 11 RFW/PSPS events for the season



Red Flag Warning 11/26-11/28

- Top 20 Average Gusts: 48 mph
- Wind Speed Records: 0
- Peak Gust: 56 mph
- Stations Reaching 95%: 75
- Station Reaching 99%: 8
- PSPS Customers Notified: 2,739
- PSPS Customers affected: 0
- CRCs Opened: 0

Red Flag Warning High Wind Warning 12/2-12/4

- Top 20 Average Gusts: 71 mph
- Wind Speed Records: 43
- Peak Gust: 94 mph
- Stations Reaching 95%: 170
- Station Reaching 99%: 126
- PSPS Customers Notified: 95,000
- PSPS Customers affected: 73,000
- CRCs Opened: 10 (2,667 cars)

Red Flag Warning High Wind Warning 12/7-12/8

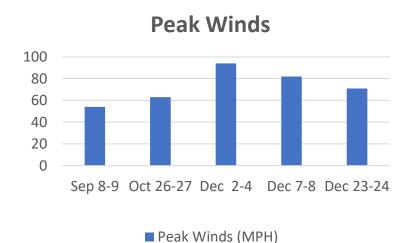
- Top 20 Average Gusts: 59 mph
- Wind Speed Records: 2
- Peak Gust: 82 mph
- Stations Reaching 95%: 145
- Station Reaching 99%: 67
- PSPS Customers Notified: 50,483
- PSPS Customers affected: 15,300
- CRCs Opened: 6 (415 cars)

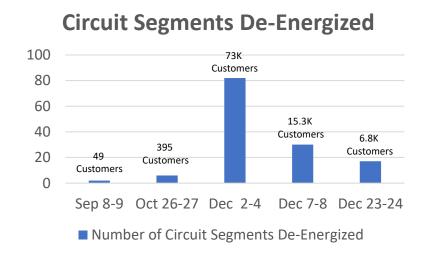
Red Flag Warning 12/23-12/24

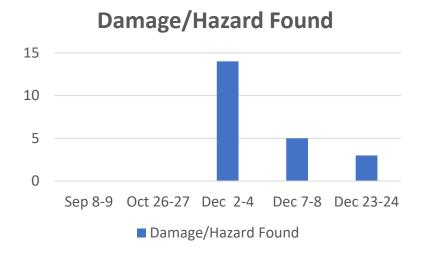
- Top 20 Average Gusts: 57 mph
- Wind Speed Records: 2
- Peak Gust: 71 mph
- Stations Reaching 95%: 152
- Station Reaching 99%: 66
- PSPS Customers Notified: 30,394
- PSPS Customers affected: 6,797
- CRCs Opened: 4 (59 cars)

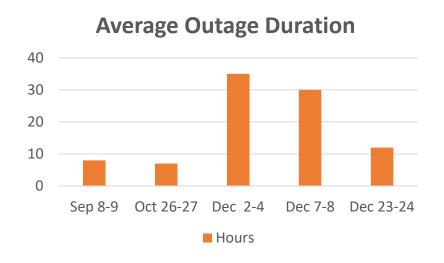
2020 PSPS Event Summary

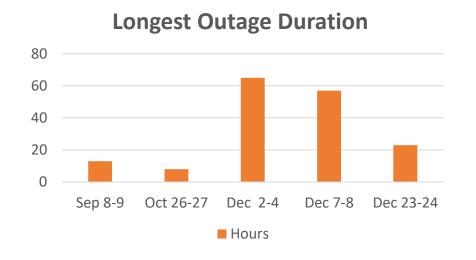












2020 PSPS Customer Impact Reduction: Generators and Microgrids



- 1,334 portable battery-powered generators to Medical Baseline customers
- 2,284 generator purchase rebates to customer in HFTD
- 80 Whole-Home Generators
- Emergency Ops. Center: PSPS generator to Alpine mental health facility
- 5 Microgrids enabled to keep communities energized (nonrenewable, renewable options online beginning in 2021)
 - Ramona Air-Attack Base
 - Cameron Corners
 - Butterfield Ranch
 - Shelter Valley
 - Julian Town Center



2020 PSPS Customer Impact Reduction: Weather Technology & Load Transfer/Switching



New weather technology

- 30 new weather stations
- 30-second weather data available at over 210 weather stations
- New PSPS dashboard and geospatial tool to monitor weather conditions

New load transfer/localized switching plans

- Del Mar (Circuit 68)
- San Clemente (Circuits 200, 204, 329, 311)
- Viejas Reservation (Circuit 78)
- Rincon Reservation (Circuit 909)



2020 PSPS Customer Impact Reduction





Generator Programs

- Generator Grant Program
- Generator Assistance Program
- Whole Facility Generators



Microgrid

- Dec 2nd Event
- Shelter Valley
- 219 Customers



Weather Station

- Dec 2nd Event
- Descanso, Alpine
- Simon Open Space 1149 Customers



Sectionalizing Device

- Dec 2nd Event
- Ramona
- 2825 Customers

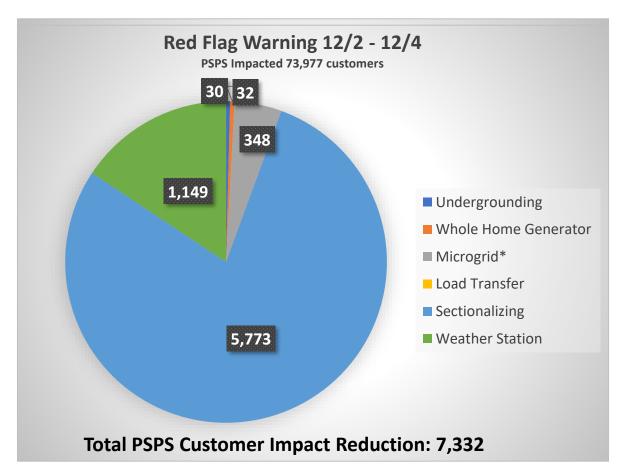


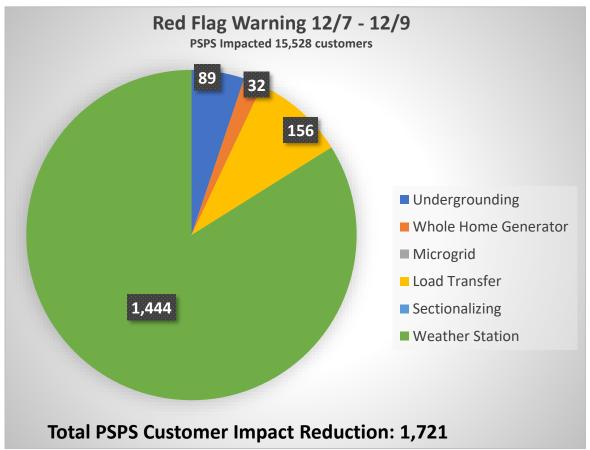
Load Transfer

- Dec 7th Event
- Chula Vista
- 156 Customers

2020 PSPS Customer Impact Reduction



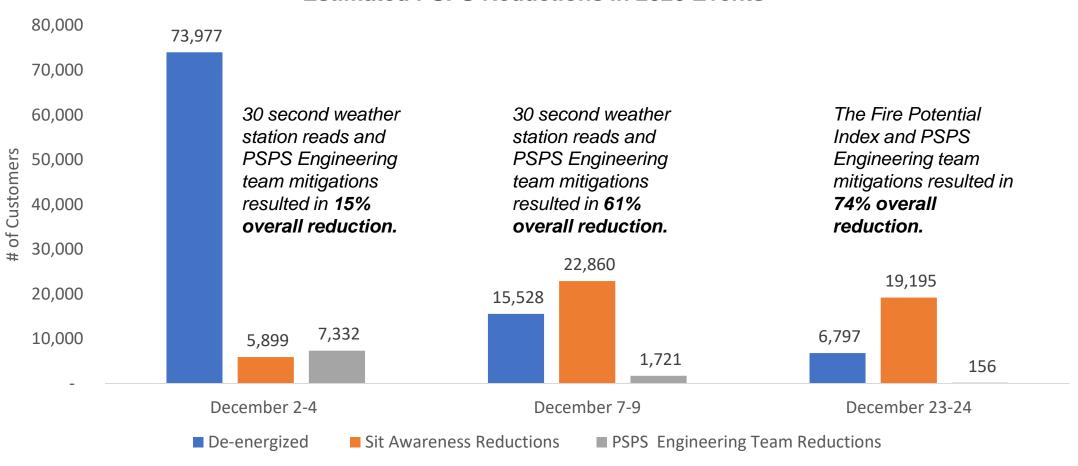




2020 PSPS Customer Impact Reduction



Estimated PSPS Reductions in 2020 Events



2021 PSPS Impact Reduction



WMP Program	2021 Number of Locations	2021 Customer PSPS Impact Reduction
PSPS Sectionalizing	10	3223 – 5145*
Standby Power Programs	300	300**
Resiliency Grant Programs	~	1000
Microgrids	6	578
Undergrounding	9	1127
Total		3223 – 7500*

^{*}Weather events will dictate the actual number of customers reduced by the project

^{**}Portable generators