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REG 10-12

December 4, 2018

Ms. Elizaveta Malashenko  
Director, Safety and Enforcement Division  
California Public Utilities Commission  
505 Van Ness Avenue  
San Francisco, CA 94102

**SUBJECT: SAN DIEGO GAS & ELECTRIC COMPANY (SDG&E) DE-ENERGIZATION  
REPORT**

Dear Ms. Malashenko:

In accordance with Ordering Paragraph (OP) 2 of Decision (D) 12-04-024 and Section II.A of CPUC Resolution ESRB-8, SDG&E is submitting this report in response to the De-Energization Events that occurred in SDG&E's service territory on November 11–16, 2018. As noted in the reporting requirements, this report has been verified by an SDG&E officer in accordance with Rule 1.11 of the Commission's Rules of Practice and Procedure.

If you have any questions regarding this report, please contact Elizabeth Beaver at 858-654-1787, or at [ebeaver@semprautilities.com](mailto:ebeaver@semprautilities.com).

Sincerely,

/s/ Clay Faber  
Clay Faber  
Director—Regulatory Affairs

## **SDG&E Report on De-Energization Events: November 11–16, 2018**

The following report is submitted in response to the De-Energization events that occurred in SDG&E's service territory on November 11–16, 2018. SDG&E hereby submits this report to the Director of Safety and Enforcement Division (SED) and includes the following information pursuant to D.12-04-024 and Section II.A of CPUC Resolution ESRB-8.

### **1. Explanation of SDG&E's decision to de-energize**

#### **Response:**

The decisions to de-energize for public safety were made at SDG&E's Emergency Operations Center (EOC), which was fully staffed by a cross-functional team of electric operations, customer service, safety, engineering, external affairs, communications and other personnel, as well as a designated Officer-In-Charge (OIC). The EOC was activated at 0600 Sunday, November 11, 2018 in response to a Red Flag Warning (RFW) weather event declared by the National Weather Service (NWS) beginning at 0600 on Sunday, November 11, 2018. SDG&E activated the EOC to provide response coordination, ensure there was informed decision-making, coordinate customer, agency and elected official notifications, and coordinate as-needed logistical support.

Official NWS forecasts included a High Wind Warning for the San Diego County backcountry, which indicated the potential for wind gusts up to 70 mph in the wind-prone areas of San Diego County. SDG&E's meteorologists' forecasts were similar, predicting widespread wind gusts of 45–60 mph across the backcountry with isolated gusts of 70–90 mph in the most wind-prone locations, including Sill Hill, Hellhole Canyon, Buckman Springs, and East Willows Road. The RFW and High Wind Warning, in combination with available data and real-time observations of vegetation moisture levels and weather conditions, indicated an extreme threat of large and destructive wildfires with rapid rates of spread and long-range spotting, should an ignition occur. SDG&E determined that conditions warranted de-energizing certain facilities which might otherwise provide a source of ignition of a fire.

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2. All factors considered by SDG&E in its decision to de-energize, including wind speed, temperature, humidity and vegetation moisture in the vicinity of the de-energized circuits.

**Response:**

The decision to de-energize for public safety is not made based on a single factor; numerous criteria are considered when making this decision.

Key bases for these decisions included, but were not limited to:

- The RFW issued by the NWS indicated that the combination of strong winds and low relative humidity would result in critical fire weather conditions with the potential for extreme fire behavior;
- The High Wind Warning issued by the NWS indicated the potential for wind gusts up to 70 mph or more in the San Diego County valleys and mountains. Potential impacts mentioned included downed trees and power lines;
- The Santa Ana Wildfire Threat Index (SAWTI) was rated High (“Upon ignition, fire will grow very rapidly, will burn intensely, and will be very difficult to control.”);
- NOAA’s Storm Prediction Center’s Fire Weather Outlook indicated “Extremely Critical Fire Weather” conditions for portions of the SDG&E service territory;
- SDG&E’s Fire Potential Index (FPI) was Extreme, indicating the potential for large fires should an ignition occur;
- The Predictive Services unit of the Southern California Geographic Area Coordination Center (GACC) designated zones SC08 and SC11 as “High Risk” in their 7-Day Significant Fire Potential product;
- Live Fuel Moisture values were critically dry (~55%) and Dead Fuel Moisture values were extremely low (2% to 4%);
- In many cases, recorded wind gusts along de-energized circuits were in excess of 50 mph, in combination with single-digit humidity. Additional details on conditions at the time of de-energization can be found in the table provided in Response 11;
- Wind climatology of each circuit or circuit segment;
- Infrastructure in temporary configurations due to construction activities;
- Observer reports of imminent threats to power lines, including: tree branches encroaching overhead lines, wire movement, debris blown into lines;
- Fire-suppression-air resources could be unavailable due to high winds and time of day;
- Firefighting resources in region drawn down to approximately 60% of normal as resources were diverted to fires in other areas of the state;
- Current wildfire activity across the state including the Woolsey Fire, the Hill Fire, and the Camp Fire;
- Accessibility could be constrained should an ignition occur;
- The outages could be targeted to minimize impacts to customers; and
- A review of active outages on SDG&E’s system.

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3. The time, place and duration of the event and whether the areas affected by the de-energization are classified as Zone 1, Tier 2, or Tier 3 per the definition in General Order 95, Rule 21.2-D.

**Response:**

<b>Circuit</b>	<b>Communities</b>	<b>Start Date</b>	<b>Restore Date</b>	<b>GO 95, Rule. 21.2-D Classification</b>
67	Lyons Valley/Barrett Lake	11/12/18 6:51	11/14/18 15:05	Tier 3
73	Japatul Valley/Buckman Springs/Morena Village	11/12/18 6:14	11/14/18 15:17	Tier 3
75	Dulzura/Potrero/Campo	11/12/18 7:53	11/14/18 13:05	Tier 2 & Tier 3 Partially outside HFTD
78	Viejas/W Descanso/Boulder Creek	11/12/18 6:33	11/14/18 14:45	Tier 3
79	Viejas/W Descanso/Boulder Creek	11/11/18 20:45	11/15/18 12:46	Tier 3
79	Viejas/W Descanso/Boulder Creek	11/12/18 4:46	11/15/18 12:09	Tier 3
157	Lyons Valley/Barrett Lake	11/12/18 6:51	11/15/18 16:10	Tier 3
182	Escondido	11/13/18 5:39	11/14/18 9:56	Tier 2 Partially outside HFTD
185	Escondido	11/13/18 7:14	11/14/18 17:24	Tier 2 Partially outside HFTD
211	Oak Grove/Warner Springs/Ranchita	11/12/18 11:01	11/14/18 14:19	Tier 2
212	Oak Grove/Warner Springs/Ranchita	11/13/18 9:41	11/15/18 14:56	Tier 2 & Tier 3
214	Rincon/La Jolla Indian Res/Hellhole Canyon	11/12/18 7:51	11/14/18 13:59	Tier 3
216	Valley Center/Rincon/Pauma Valley	11/13/18 8:13	11/14/18 12:43	Tier 3
220	Julian/Santa Ysabel/Morettis	11/12/18 5:30	11/15/18 14:36	Tier 3
221	Julian/Santa Ysabel/Morettis	11/12/18 9:21	11/15/18 12:36	Tier 2 & Tier 3 Partially outside HFTD
222	Julian/Santa Ysabel/Morettis	11/12/18 4:59	11/16/18 2:40	Tier 3
222	Julian/Santa Ysabel/Morettis	11/12/18 4:38	11/15/18 18:04	Tier 3
237	N Ramona	11/12/18 7:19	11/15/18 9:05	Tier 2 & Tier 3
237	N Ramona	11/13/18 8:39	11/14/18 19:01	Tier 2 & Tier 3
238	Santa Ysabel/Wynola/Pine Hills	11/12/18 3:04	11/15/18 12:02	Tier 3
283	Dehesa/Alpine/Rancho Palo Verde	11/13/18 9:06	11/13/18 15:22	Tier 3

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306	SE Rancho Santa Fe	11/13/18 8:20	11/13/18 23:50	Outside HFTD
307	SE Rancho Santa Fe	11/13/18 7:50	11/13/18 19:33	Tier 2 Partially outside HFTD
357	Viejas/W Descanso/Boulder Creek	11/13/18 21:37	11/14/18 10:32	Tier 2 & Tier 3
358	Viejas/W Descanso/Boulder Creek	11/11/18 23:50	11/12/18 16:49	Tier 2 & Tier 3
358	Viejas/W Descanso/Boulder Creek	11/12/18 19:56	11/14/18 15:41	Tier 2 & Tier 3
440	Japatul Valley/Buckman Springs/Morena Village	11/11/18 21:27	11/15/18 13:31	Tier 3
441	Japatul Valley/Buckman Springs/Morena Village	11/12/18 7:47	11/14/18 16:53	Tier 3
442	Japatul Valley/Buckman Springs/Morena Village	11/12/18 7:47	11/14/18 16:48	Tier 3
445	Live Oak Springs/Boulevard/Jacumba	11/11/18 21:19	11/14/18 13:00	Tier 2
445	Live Oak Springs/Boulevard/Jacumba	11/12/18 9:19	11/14/18 12:49	Tier 2
448	Dulzura/Potrero/Campo	11/12/18 7:07	11/14/18 17:14	Tier 3
449	Japatul Valley/Buckman Springs/Morena Village	11/12/18 9:47	11/14/18 14:29	Tier 3
908	Valley Center/Rincon/Pauma Valley	11/13/18 7:06	11/14/18 16:50	Tier 2 & Tier 3
909	Rincon/La Jolla Indian Res/Hellhole Canyon	11/12/18 8:15	11/13/18 17:18	Tier 2 & Tier 3
1030	Lake Wohlford/Bear Valley/Skyline Ranch	11/12/18 4:02	11/12/18 14:53	Tier 2 & Tier 3
1030	Lake Wohlford/Bear Valley/Skyline Ranch	11/11/18 4:02	11/12/18 14:53	Tier 2 & Tier 3
1030	Lake Wohlford/Bear Valley/Skyline Ranch	11/13/18 3:42	11/14/18 17:39	Tier 2 & Tier 3
1030	Lake Wohlford/Bear Valley/Skyline Ranch	11/13/18 7:21	11/15/18 9:11	Tier 2 & Tier 3
1030	Lake Wohlford/Bear Valley/Skyline Ranch	11/13/18 9:49	11/14/18 15:14	Tier 2 & Tier 3
1118	W San Marcos	11/13/18 9:51	11/13/18 15:20	Tier 2
1166	Dehesa/Alpine/Rancho Palo Verde	11/12/18 6:12	11/13/18 15:46	Tier 2 & Tier 3
1215	Live Oak Springs/Boulevard/Jacumba	11/11/18 21:18	11/14/18 16:39	Tier 3
1250	Harmony Grove/Lake Hodges	11/13/18 5:33	11/14/18 14:05	Tier 2 Partially outside HFTD
GC-SUB 441,442	Japatul Valley/Buckman Springs/Morena Village	11/12/18 7:47	11/14/18 17:53	Tier 3

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**4. The number of affected customers, broken down by residential, medical baseline, commercial/industrial and other.**

**Response:**

<b>Circuit</b>	<b>Total # Out**</b>	<b>Residential</b>	<b>Commercial/ Industrial</b>	<b>MBL</b>	<b>Other</b>
1030	30	28	2	1	0
1233*	289	217	72	5	0
79	20	12	8	2	0
441	50	32	18	3	0
1215	160	115	45	5	0
445	515	416	99	26	0
440	262	207	55	3	0
358	187	166	21	6	0
238	2	1	1	0	0
1030	650	510	140	34	0
222	1410	988	422	48	0
220	325	213	112	7	0
1166	269	240	29	20	0
73	756	603	153	40	0
78	267	232	35	16	0
67	567	470	97	48	0
157	1015	899	116	51	0
448	149	102	47	5	0
237	311	243	68	10	0
79	867	675	192	43	0
GC-SUB 441,442	871	743	128	50	0
214	359	287	72	14	0
75	16	0	16	0	0
909	495	369	126	23	0
445	169	129	39	7	0
449	46	31	15	0	0
216	213	173	40	7	0
221	1622	1289	333	66	0
211	289	202	87	20	0
358	187	167	20	4	0
524*	1867	1648	219	100	0
1030	30	28	2	1	0
1250	993	918	75	41	0
182	2509	2283	235	96	0
536*	12	1	11	0	0

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908	1743	1447	296	100	0
185	1502	1146	356	82	0
1030	156	87	69	4	0
307	999	841	158	26	0
216	213	172	38	5	0
306	828	715	113	17	0
237	363	286	79	13	0
212*	111	66	45	3	0
283	453	341	112	24	0
212*	534	339	195	9	0
1030	466	399	67	16	0
1118	6	0	6	0	0
357	10	9	1	1	0
<b>Total</b>	25163	20485	4685	1102	0

**\*Outages on circuits 1233, 524, 536 and 212 were not de-energized due to fire risk, but were left out of service in the interest of public safety until SDG&E crews were able to patrol to ensure safe conditions prior to re-energization.**

**\*\*Line item customer counts are not representative of unique customers. Total customer counts in the above table include customers who were de-energized, re-energized, and de-energized again during due to public safety. There were 20,837 unique customers impacted by outages for public safety.**

## **SDG&E Report on De-Energization Events: November 11–16, 2018**

- 5. Describe any wind-related damage to SDG&E's overhead powerline facilities in the areas where power was shutoff.**

**Response:**

SDG&E crews patrolled the de-energized lines prior to re-energization to ensure safe operating conditions.

Upon patrols, SDG&E crews reported wind-related damage to five overhead circuits. The damages included broken wire strands, broken cross arm, tree in secondary wire, tree branch (debris) in conductors and a severely leaning pole. Repairs and tree trimming were completed before safely restoring power. See Appendix 2 for photos.

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- 6. Provide a description of the customer notice and any other mitigation provided by SDG&E. If SDG&E was unable to provide customers with notice at least 2 hours prior to the event, explain.**

**Response:**

- a. SDG&E proactively reached out to customers who were affected by the event. Outreach was made via outbound dialer, email, mobile email/text messaging and personal phone calls. Helpful information was also shared via social media.
- b. Awareness messaging was sent to all customers impacted by extreme weather conditions. Additional warning messages regarding potential service interruptions and the Red Flag Warning were sent to customers most likely to be impacted by public safety de-energizations. When de-energizations occurred, SDG&E communicated to customers about why they were without power and followed-up with contact when power was restored. Other warning messages and notifications of potential de-energizations were sent to specific sectionalizing devices as weather conditions worsened, although these customers were not ultimately de-energized for public safety. See Appendix 1.

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7. **The address of each community assistance location during a de-energization event, describe the location (building, trailer, etc.), describe the assistance available at each location, and the days and hours it was open.**

**Response:**

SDG&E opened six Community Resource Centers during the Nov. 11–16 de-energization event:

<b>Location</b>	<b>Site Description</b>	<b>Resources Provided</b>	<b>Days/ Hours of Operation</b>
Whispering Winds Catholic Camp 17606 Harrison Park Rd. Julian, CA 92036	Building	Wi-Fi, water (bottled and by truck for livestock), ice, snacks, cell phone charging, outage updates	11/13/18– 11/15/18 8:00–18:00
Mountain Empire Unified School District 3305 Buckman Springs Campo, CA 91906	Building	Water (bottled and by truck for livestock), ice, snacks, cell phone charging, outage updates	11/12/18– 11/14/18 8:00–18:00
Potrero Community Center 24550 Hwy 94 Potrero, CA 91963	Building	Wi-Fi, Water, Snacks, Cell Phone Charging, Outage Updates, Ice	11/12/18– 11/14/18 8:00–18:00
Camp Oliver Lodge 8761 Riverside Dr. A Descanso, CA 91916	Building	Wi-Fi, water (bottled and by truck for livestock), ice, snacks, cell phone charging, outage updates	11/12/18– 11/14/18 8:00–18:00
Dulzura Community Center 1136 Community Building Rd. Dulzura, CA 91917	Building	Wi-Fi, water (bottled and by truck for livestock), ice, snacks, cell phone charging, outage updates	11/13/18– 11/14/18 8:00–18:00
Golden Acorn Casino 1800 Golden Acorn Way Campo, CA 91906	Building	Wi-Fi, Water, Snacks, Cell Phone Charging, Outage Updates, Ice	11/12/18– 11/14/18 8:00–18:00

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**8. The local communities’ representatives SDG&E contacted prior to de-energization and the date on which they were contacted.**

**Response:**

<b>Organization/Jurisdiction</b>	<b>Title</b>	<b>Date*</b>
2-1-1 San Diego	Crisis Communications Director	11/10/18
2-1-1 San Diego	VP of Community & Govt. Relations	11/10/18
Alpine CERT	Chair	11/10/18
Alpine Chamber of Commerce	Executive Director	11/10/18
American Red Cross	Regional Disaster Office	11/10/18
American Red Cross	Disaster Program Manager	11/10/18
American Red Cross	Regional Planning & Recovery Manager	11/10/18
Bonsall Chamber of Commerce	Executive Director	11/10/18
Borrego Springs Chamber of Commerce	Executive Director	11/10/18
CAL FIRE Monte Vista	Emergency Communication Center	11/10/18
City of Escondido	Dispatch Supervisors	11/10/18
County OES	OES Emergency Notification	11/10/18
County of Orange	Supervisor 5th District	11/10/18
County of Orange	Chief of Staff -Lisa Bartlett	11/10/18
County of Orange	Orange County Office of Emergency Management	11/10/18
County of Orange	CEO	11/10/18
County of Orange Fire Authority	OES Supervisors	11/10/18
County of Orange Fire Authority	ECC Manager	11/10/18
County of San Diego	Vice Chair County Board of Supervisors	11/10/18
County of San Diego	Chief of Staff	11/10/18
County of San Diego	Chair of the Board of Supervisors	11/10/18
County of San Diego	Chief of Staff	11/10/18
County of San Diego	Supervisor	11/10/18
County of San Diego	Chief of Staff	11/10/18
County of San Diego	Supervisor	11/10/18
County of San Diego	Chief of Staff	11/10/18
County of San Diego	CAO	11/10/18
County of San Diego	Public Works	11/10/18
County of San Diego	County OES	11/10/18
County of San Diego	County Sheriff	11/10/18
County of San Diego	Alpine CPG Chair	11/10/18
County of San Diego	Bonsall CSG	11/10/18
County of San Diego	Borrego Springs CSG, Chair	11/10/18
County of San Diego	Boulevard CPG	11/10/18
County of San Diego	Campo/Lake Morena CPG, Chair	11/10/18
County of San Diego	Crest, Dehesa, Granite Hills, Harbison Canyon CPG	11/10/18
County of San Diego	Cuyamaca CSG, Chair	11/10/18
County of San Diego	Fallbrook CPG, Chair	11/10/18
County of San Diego	Hidden Meadows CSG	11/10/18

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County of San Diego	Jacumba CSG, Chair	11/10/18
County of San Diego	Jamul Dulzura CPG	11/10/18
County of San Diego	Julian CPG	11/10/18
County of San Diego	Lakeside CPG	11/10/18
County of San Diego	Pala-Pauma CSG	11/10/18
County of San Diego	Pine Valley CPG	11/10/18
County of San Diego	Potrero CPG	11/10/18
County of San Diego	Ramona CPG	11/10/18
County of San Diego	San Dieguito CPG	11/10/18
County of San Diego	Spring Valley CPG	11/10/18
County of San Diego	Sweetwater CPG	11/10/18
County of San Diego	Tecate CSG	11/10/18
County of San Diego	Twin Oaks Valley CSG	11/10/18
County of San Diego	Valle De Oro CPG	11/10/18
County of San Diego	Valley Center CPG	11/10/18
East County Chamber of Commerce	CEO	11/10/18
East County EDC	CEO	11/10/18
El Cajon	Mayor	11/10/18
El Cajon	Councilmember	11/10/18
El Cajon	Fire Chief	11/10/18
El Cajon	Police Chief	11/10/18
Encinitas	Mayor	11/10/18
Encinitas	Deputy Mayor	11/10/18
Encinitas	Councilmember	11/10/18
Encinitas	Councilmember	11/10/18
Encinitas	Councilmember	11/10/18
Encinitas	City Manager	11/10/18
Encinitas	Council Secretary	11/10/18
Encinitas	Assistant City Manager	11/10/18
Encinitas	Public Works Director	11/10/18
Encinitas	Fire Chief	11/10/18
Escondido	Mayor	11/10/18
Escondido	Deputy Mayor	11/10/18
Escondido	Councilmember	11/10/18
Escondido	Councilmember	11/10/18
Escondido	Councilmember	11/10/18
Escondido	City Manager	11/10/18
Escondido	Fire Chief	11/10/18
Escondido	Police Chief	11/10/18
Escondido	Emergency Services Coordinator	11/10/18
Escondido	Public Information Officer	11/10/18
Fallbrook Chamber of Commerce	Executive Director	11/10/18

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Heartland Fire	Director	11/10/18
Heartland Fire	Operations Manager	11/10/18
Heartland Fire	HEARTLAND TITLE	11/10/18
Inland Valley CERT	Chair	11/10/18
Julian CERT	Chair	11/10/18
Julian Chamber of Commerce	Office Manager	11/10/18
Lakeside Chamber of Commerce	Executive Director	11/10/18
Lemon Grove	Fire Chief	11/10/18
Lemon Grove	Division Chief	11/10/18
Lemon Grove	Sheriff	11/10/18
Metro	SD Fire Dispatch Management	11/10/18
North Comm	Dispatch email	11/10/18
North County CERT (Bonsall, Fallbrook, Rainbow)	Chair	11/10/18
Oceanside	Mayor	11/10/18
Oceanside	Councilmember	11/10/18
Oceanside	City Manager	11/10/18
Oceanside	Assistant City Manager	11/10/18
Palomar Mountain CERT	Chair	11/10/18
Poway	Councilmember	11/10/18
Poway	Councilmember	11/10/18
Poway	City Manager	11/10/18
Poway	Assistant City Manager	11/10/18
Poway	Fire Chief-Fire Marshall	11/10/18
Poway	Fire Chief	11/10/18
Poway	Sheriff	11/10/18
Poway	EOC- Fire Division Chief	11/10/18
Ramona CERT	Chair	11/10/18
Ramona Chamber of Commerce	Executive Director	11/10/18
Rancho Peñasquitos Planning Group	Chair	11/10/18
Rancho Santa Fe Association	Rancho Santa Fe Association Asst. Manager	11/10/18
San Clemente	Mayor	11/10/18
San Clemente	Mayor Pro Tem	11/10/18
San Clemente	Councilmember	11/10/18
San Clemente	Councilmember	11/10/18
San Clemente	Councilmember	11/10/18
San Clemente	City Manager	11/10/18
San Clemente	Secretary	11/10/18
San Clemente	Director of Public Works/City Engineer	11/10/18
San Clemente	Secretary	11/10/18
San Clemente	Emergency Planning Officer	11/10/18
San Clemente	CEO	11/10/18

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San Diego	Mayor	11/10/18
San Diego	Chief of Staff	11/10/18
San Diego	Deputy Chief of Staff	11/10/18
San Diego	Councilmember	11/10/18
San Diego	Chief of Staff	11/10/18
San Diego	Fire	11/10/18
San Diego	Police	11/10/18
San Diego Business Chamber	CEO	11/10/18
San Diego County Sheriff	Deputy	11/10/18
San Diego County Sheriff	Deputy	11/10/18
San Diego County Sheriff	Deputy	11/10/18
San Diego County Sheriff	Deputy	11/10/18
San Diego County Sheriff	Lieutenant	11/10/18
San Diego County Sheriff	Distribution email	11/10/18
San Juan Capistrano	Mayor	11/10/18
San Juan Capistrano	Mayor Pro Tem	11/10/18
San Juan Capistrano	Councilmember	11/10/18
San Juan Capistrano	Councilmember	11/10/18
San Juan Capistrano	Councilmember	11/10/18
San Juan Capistrano	City Manager	11/10/18
San Juan Capistrano	Assistant City Manger	11/10/18
San Juan Capistrano	Senior Executive Assistant	11/10/18
San Juan Capistrano	City Clerk	11/10/18
San Juan Capistrano	CFO/ Finance Director	11/10/18
San Juan Capistrano	Director of Utilites/ Public Works	11/10/18
San Juan Capistrano	Director of Development Services	11/10/18
San Juan Capistrano	Director of Community Services (Parks & Rec)	11/10/18
San Juan Capistrano	HR/Risk Manager	11/10/18
San Juan Capistrano	Emergency Services Manager	11/10/18
San Juan Capistrano	CEO	11/10/18
San Marcos	Mayor	11/10/18
San Marcos	Vice Mayor	11/10/18
San Marcos	Councilmember	11/10/18
San Marcos	Councilmember	11/10/18
San Marcos	Councilmember	11/10/18
San Marcos	City Manager	11/10/18
San Marcos	Deputy City Manager	11/10/18
San Marcos	Fire Chief	11/10/18
San Marcos	Division Chief	11/10/18
San Marcos	Public Works Director	11/10/18
San Marcos	EOC	11/10/18
San Marcos	Sheriff	11/10/18
San Marcos	EOC	11/10/18
San Miguel CERT (Bostonia, Casa de Oro, Rancho San Diego)	Chair	11/10/18

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SD County Fire Authority— Southern Division CERT (Descanso to Jacumba to Dulzura)	Chair	11/10/18
SD North EDC	CEO	11/10/18
State Legislator - ASM District 71	Assemblymember	11/10/18
State Legislator - ASM District 71	Chief of Staff	11/10/18
State Legislator - ASM District 73	Assemblymember	11/10/18
State Legislator - ASM District 73	Chief of Staff	11/10/18
State Legislator - ASM District 73	District Director	11/10/18
State Legislator - ASM District 75	Chief of Staff	11/10/18
State Legislator - ASM District 75	Communications Director	11/10/18
State Legislator - ASM District 76	Assemblymember	11/10/18
State Legislator - ASM District 76	Chief of Staff	11/10/18
State Legislator - SEN District 36	Senator	11/10/18
State Legislator - SEN District 36	Chief of Staff	11/10/18
State Legislator - SEN District 38	Senator	11/10/18
State Legislator - SEN District 38	Chief of Staff	11/10/18
State Legislator - SEN District 38	Deputy Chief of Staff	11/10/18
State Legislator - SEN District 40	Senator	11/10/18
State Legislator - SEN District 40	Chief of Staff	11/10/18
State Legislator - SEN District 40	Deputy Chief of Staff	11/10/18
State Legislator ASM - District 75	Assemblymember	11/10/18
Valley Center CERT	Chair	11/10/18
Valley Center Chamber of Commerce	Executive Director	11/10/18
Warner Springs CERT	Chair	11/10/18

**\*The date of contact is the initial date of contact with representative/organization; additional notifications may have been made throughout the duration of the event.**

## **SDG&E Report on De-Energization Events: November 11–16, 2018**

- 9. Summarize the number and nature of complaints received as a result of the de-energization event and include claims that are filed against SDG&E because of the de-energization.**

**Response:**

As of Nov. 28, SDG&E received a total of 300 claims related to the Red Flag Warning and de-energizations that took place Nov. 11–16, 2018:

- 48 claims: Property damage
- 6 claims: Solar related
- 223 claims: Food loss
- 17 claims: Inconvenience of being without power

## **SDG&E Report on De-Energization Events: November 11–16, 2018**

### **10. Provide detailed description of the steps taken to restore power.**

**Response:**

- a. Meteorology forecasted wind gusts have peaked and are trending downward;
- b. Real-time observer reports confirming no impacts to system, no debris and no vegetation impacts;
- c. Full patrol of the de-energized distribution circuit or transmission tie-line to inspect for damages;
- d. Electric Troubleshooter, observer and/or line crew on-site during re-energization process;
- e. Contract Fire-Fighting Resources (CFR) on-site during re-energization process;
- f. Check and ensure all personnel are in the clear before re-energization;
- g. Approval by OIC to restore device/circuit/tie-line; and
- h. Electric Distribution Operations/Electric Grid Operations notifies EOC of time re-energization was completed.

**SDG&E Report on De-Energization Events: November 11–16, 2018**

**11. Include any other matters that SDG&E believes are relevant to the Commission’s assessment of the reasonableness of SDG&E’s decision to de-energize.**

**Response:**

- Data from the SDG&E weather network indicated that 69 of 177 weather stations recorded wind gusts of or in excess of 45 mph; 47 stations recorded wind gusts of or in excess of 50 mph, 18 stations recorded wind gusts of or in excess of 60 mph, and 25 stations measured their strongest Santa Ana wind gust on record.
- The destructive wildfires ongoing across the state (the Camp Fire in Butte County and the Woolsey Fire in LA and Ventura County) provided strong evidence for the extreme burning conditions that existed at the time of this Santa Ana wind event. In fact, the fire weather conditions present in San Diego County were just as severe as the conditions fueling the wildfires to our north: critically dry fuels, very strong winds, and single-digit humidity supporting the potential for catastrophic fire should an ignition occur. Furthermore, those fires resulted in a drawdown of firefighting resources in SDG&E’s service territory.
- Strong language coming from official government sources including:
  - Per the NWS: “A Dangerous Fire Weather Environment Will Exist Across Southern California Sunday–Tuesday as a Strong Santa Ana Develops.”
  - Per the NWS: “Explosive fire growth possible with any new starts.”
  - Per the GACC: “Extreme fire behavior will be likely on current fires and new ignitions in windy areas.”
  - Per NOAA’s Storm Prediction Center: “...strong winds, coupled with single-digit RH values and dry fuels, will promote very rapid wildfire growth...” and indicating an “extreme” risk due to a “...very volatile environment.”
- The wind climatology of each circuit was considered when making the decision to de-energize. The wind climatology was created using all available historical weather observations (10-minute data) for the entire period of record for each SDG&E weather station.
- A damaging wind event occurred as evidenced by the amount of tree damage observed in some areas of the SDG&E service territory. See Appendix 2 for photographic evidence of tree damage along the highway 78/79 corridor which includes Ramona, Witch Creek, Santa Ysabel, Mesa Grande, and Wynola.

The table below shows the weather conditions at the time of each PSPS, as well as the event peak wind gust for each location. Also included is the 99th percentile wind gust for each location for Santa Ana winds. The 99th percentile represents the top 1% of all Santa Ana wind gusts measured at that weather station location since records began.

<b>Circuit</b>	<b>Date/ Time</b>	<b>Weather Station</b>	<b>Gust at Time of De-Energization</b>	<b>RH at Time of De-Energization</b>	<b>Event Peak Gust</b>	<b>99<sup>th</sup> Percentile Gust*</b>
79- 799R	11/11/18 20:45	SIL	53 mph	6%	86 mph	70 mph
441- 30R	11/11/18 21:18	CWD	51 mph	14%	68 mph	50 mph
1215- 32R	11/11/18 21:18	CWD	51 mph	14%	68 mph	50 mph
1215- 28R	11/11/18 21:18	CWD	51 mph	14%	68 mph	50 mph

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1215-12R	11/11/18 21:18	CWD	51 mph	14%	68 mph	50 mph
445-23R	11/11/18 21:19	CWD	51 mph	14%	68 mph	50 mph
440-13R	11/11/18 21:27	LAG	30 mph	11%	46 mph	39 mph
358-682F	11/11/18 23:50	EWR	54 mph	7%	70 mph	50 mph
TL626	11/12/18 03:04	NBC	46 mph	8%	66 mph	46 mph
238	11/12/18 03:04	NBC	46 mph	8%	66 mph	46 mph
1030-987	11/12/18 04:02	HHC	47 mph	6%	82 mph	54 mph
222-1370R	11/12/18 04:38	WSY	47 mph	8%	61 mph	45 mph
79-673R	11/12/18 04:46	SHV	45 mph	9%	63 mph	49 mph
222-1364R	11/12/18 04:59	IJP	45 mph	10%	64 mph	47 mph
220-294R	11/12/18 05:31	SHC	49 mph	10%	66 mph	47 mph
1166-18R	11/12/18 06:12	JVR	44 mph	8%	52 mph	33 mph
73-765R	11/12/18 06:14	JVR	44 mph	8%	52 mph	33 mph
78-26R	11/12/18 06:33	VGD	50 mph	9%	54 mph	42 mph
157-84R	11/12/18 06:50	RPO	51 mph	8%	65 mph	43 mph
157-75R	11/12/18 06:50	RPO	51 mph	8%	65 mph	43 mph
157-81R	11/12/18 06:51	RPO	51 mph	8%	65 mph	43 mph
TL6923	11/12/18 06:51	RPO	51 mph	8%	65 mph	43 mph
79-685R	11/12/18 07:06	LFR	47 mph	12%	68 mph	49 mph
448-19R	11/12/18 07:07	POT	49 mph	10%	57 mph	41 mph
448-23R	11/12/18 07:07	POT	49 mph	10%	57 mph	41 mph
448-13R	11/12/18 07:07	POT	49 mph	10%	57 mph	41 mph
237-30R	11/12/18 07:19	WCK	48 mph	8%	58 mph	40 mph
79-679R	11/12/18 07:34	NDC	49 mph	11%	55 mph	45 mph
79-660R	11/12/18 07:47	JVR	52 mph	9%	52 mph	33 mph
79-658R	11/12/18 07:47	JVR	52 mph	9%	52 mph	33 mph

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79-714R	11/12/18 07:47	JVR	52 mph	9%	52 mph	33 mph
79-676R	11/12/18 07:47	JVR	52 mph	9%	52 mph	33 mph
TL625	11/12/18 07:47	JVR	52 mph	9%	52 mph	33 mph
214-581R	11/12/18 07:51	POM	48 mph	9%	56 mph	40 mph
75-1744	11/12/18 07:53	OTM	50 mph	6%	60 mph	45 mph
909-11	11/12/18 08:15	RCE	32 mph	8%	47 mph	38 mph
909-14	11/12/18 08:15	RCE	32 mph	8%	47 mph	38 mph
909-17R	11/12/18 08:15	RCE	32 mph	8%	47 mph	38 mph
216-220R	11/12/18 09:07	RCE	26 mph	7%	47 mph	38 mph
445-442	11/12/18 09:19	TDS	46 mph	12%	53 mph	38 mph
445-21R	11/12/18 09:19	TDS	46 mph	12%	53 mph	38 mph
221-19R	11/12/18 09:21	VCM	47 mph	14%	52 mph	43 mph
449-16R	11/12/18 09:47	BMS	51 mph	8%	62 mph	48 mph
221-31R	11/12/18 10:29	WWY	51 mph	10%	53 mph	37 mph
220-288R	11/12/18 10:45	SYR	47 mph	9%	64 mph	43 mph
211-279R	11/12/18 11:01	EWN	48 mph	10%	53 mph	38 mph
358-682F	11/12/18 19:56	EWR	50 mph	12%	70 mph	50 mph
1030-987	11/13/18 03:42	HHC	60 mph	9%	82 mph	54 mph
AR-12kV-1100	11/13/18 04:56	WRB	28 mph	8%	49 mph	33 mph
909-14	11/13/18 05:19	RCE	26 mph	10%	47 mph	38 mph
1250-24R	11/13/18 05:33	OLV	51 mph	9%	54 mph	35 mph
1250-8R	11/13/18 05:33	OLV	51 mph	9%	54 mph	35 mph
OV-12KV-1250	11/13/18 05:33	OLV	51 mph	9%	54 mph	35 mph
182-257	11/13/18 05:39	OLV	51 mph	9%	54 mph	35 mph
474-110	11/13/18 05:47	OLV	49 mph	9%	54 mph	35 mph

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VC-12KV-908	11/13/18 07:06	VLC	34 mph	9%	35 mph	21 mph
185-52F	11/13/18 07:14	OLV	33 mph	10%	54 mph	35 mph
185-51F	11/13/18 07:14	OLV	33 mph	10%	54 mph	35 mph
ES-12KV-185	11/13/18 07:14	OLV	33 mph	10%	54 mph	35 mph
1030-989	11/13/18 07:21	ROC	47 mph	10%	56 mph	45 mph
SF3-19R	11/13/18 07:43	RSF	34 mph	8%	37 mph	26 mph
SF-12KV-307	11/13/18 08:12	RSF	36 mph	8%	37 mph	26 mph
216-220R	11/13/18 08:13	RCE	43 mph	9%	47 mph	38 mph
SF-12kV-305	11/13/18 08:20	RSF	27 mph	8%	37 mph	26 mph
SF-12KV-306	11/13/18 08:20	RSF	27 mph	8%	37 mph	26 mph
SF-12kV-1001	11/13/18 08:28	RSF	25 mph	8%	37 mph	26 mph
237-2R	11/13/18 08:39	GOS	49 mph	7%	50 mph	33 mph
283-57R	11/13/18 09:06	SQT	50 mph	7%	51 mph	36 mph
283-55R	11/13/18 09:06	SQT	50 mph	7%	51 mph	36 mph
212-678R	11/13/18 09:41	WAR	47 mph	8%	50 mph	36 mph
212-652R	11/13/18 09:41	WAR	47 mph	8%	50 mph	36 mph
212-632R	11/13/18 09:41	WAR	47 mph	8%	50 mph	36 mph
1030-18R	11/13/18 09:49	PMT	27 mph	10%	43 mph	34 mph
1118-27	11/13/18 09:51	RSF	25 mph	6%	37 mph	26 mph
357-1299	11/13/18 21:37	AVY	51 mph	7%	55 mph	41 mph

**SDG&E Report on De-Energization Events: November 11–16, 2018**

**VERIFICATION**

I am an officer of the applicant corporation herein, and am authorized to make this verification on its behalf. I am informed and believe that the matters stated in the foregoing document are true.

I declare under penalty of perjury that the foregoing is true and correct. Executed this 4th day of December 2018, at San Diego, California.



Katherine M. Speirs  
Vice President, Electric System Operations  
San Diego Gas & Electric Company

8330 Century Park Court  
San Diego, CA 92123

**SDG&E Report on De-Energization Events: November 11–16, 2018**

**Appendix 1**  
**Communication Dates, Times and Type**

## SDG&E Report on De-Energization Events: November 11–16, 2018

### Pre-De-Energization Event Communications

#### Customer Groups

- **Group 1:** 164,868 customers in Tier 2 areas of HFTD and outside HFTD
- **Group 2:** 35,861 customers likely to be impacted by Public Safety Power Shutoffs; HFTD Tier 3
- **Group 3:** 4,567 customers in the San Marcos, Rancho Santa Fe, North City West, Fairbanks Ranch areas with higher PSPS potential based on RFW conditions

#### Group 1

Date/Time	Message Type
11/11/18 14:00	Awareness—Red Flag Warning

#### Group 2

Date/Time	Message Type
11/9/18 18:30	Awareness—Fire Weather Watch
11/10/18 16:00	Red Flag Warning; Potential for PSPS
11/11/18 18:00	Red Flag Warning forecast on track; PSPS likely

#### Group 3

Date/Time	Message Type
11/9/18 17:15	Awareness—Fire Weather Watch
11/11/18 19:00	Awareness—Red Flag Warning

#### Awareness—Red Flag Warning

This is SDG&E calling about weather conditions that are forecast which may impact your community. The National Weather Service has issued a Red Flag Warning to be in effect Sunday through Tuesday. High winds are expected throughout the region and we're actively monitoring the situation. We will continue to keep you updated throughout this Santa Ana wind event. If necessary, please be prepared to activate your personal family emergency plan. For more information, visit [SDGE.com](http://SDGE.com).

#### Awareness—Fire Weather Watch

This is SDG&E calling about weather conditions that are forecast which may impact your community. The National Weather Service has issued a Fire Weather Watch to be in effect Sunday through Tuesday. High winds are expected throughout the region and we're actively monitoring the situation. We will continue to keep you updated throughout this Santa Ana wind event. If necessary, please be prepared to activate your personal family emergency plan. For more information, visit [SDGE.com](http://SDGE.com).

#### Red Flag Warning; Potential for PSPS

This is SDG&E calling about weather conditions that are forecast to affect the power lines that serve your community. The National Weather Service has issued a Red Flag Warning that is forecast to begin Sunday morning. To keep your community safe, extreme weather conditions and high winds may require us to turn off the power for public safety. If you do experience an

## **SDG&E Report on De-Energization Events: November 11–16, 2018**

outage, the power will stay off until we can safely restore it. Please be prepared to activate your personal family emergency plan. For more information, visit [SDGE.com](http://SDGE.com)

### **Red Flag Warning forecast on track; PSPS likely**

This is SDG&E calling with an update. Weather conditions have worsened along the power lines that service your community and we will activate a Public Safety Power Shutoff. Please be aware that the power will remain off for as long as extreme fire weather persists. Power will be restored as soon as our crews can patrol and safely assess any damage to the electrical system. It won't be turned back on until it's safe to do so. Please be ready with your personal family emergency plan. For more information, visit [sdge.com](http://sdge.com).

**SDG&E Report on De-Energization Events: November 11–16, 2018**

**Communications by Circuit/Device**

<b>Date/ Time</b>	<b>Device</b>	<b>Total # Customers</b>	<b># Medical Baseline</b>	<b>Message/Reason</b>
11/11/18 19:00	79	21	2	PSPS Active
11/11/18 19:00	440	264	3	PSPS Within the Hour + Community Resource Center
11/11/18 19:00	441	83	3	PSPS Within the Hour + Community Resource Center
11/11/18 19:00	445	345	20	PSPS Within the Hour + Community Resource Center
11/11/18 19:00	1215	153	5	PSPS Within the Hour + Community Resource Center
11/11/18 19:00	1215-12R	142	5	PSPS Within the Hour
11/11/18 19:00	1233-259R	337	8	PSPS Within the Hour
11/11/18 19:00	440-13R	264	3	PSPS Within the Hour
11/11/18 19:00	Critical Business Customers	35	0	Red Flag Warning
11/11/18 21:30	445-23R	346	19	PSPS Active
11/11/18 21:30	79-799R	21	2	PSPS Active
11/12/18 7:30	358-682F	184	6	PSPS Active
11/12/18 8:00	238	2	0	PSPS Active
11/12/18 8:00	1030-987	32	3	PSPS Active
11/12/18 8:00	1166-18R	270	20	PSPS Active
11/12/18 8:00	220-294R	299	6	PSPS Active
11/12/18 8:00	222-1364R	877	18	PSPS Active
11/12/18 8:00	222-1370R	387	11	PSPS Active
11/12/18 8:00	73-765R	356	24	PSPS Active + Community Resource Center Open
11/12/18 8:00	79-673R	95	4	PSPS Active + Community Resource Center Open
11/12/18 10:00	67	544	48	PSPS Active
11/12/18 10:00	157	977	51	PSPS Active + Community Resource Center Open
11/12/18 10:00	157-75R	316	15	PSPS Active + Community Resource Center Open
11/12/18 10:00	157-84R	228	8	PSPS Active + Community Resource Center Open

**SDG&E Report on De-Energization Events: November 11–16, 2018**

11/12/18 10:00	237-30R	318	17	PSPS Active
11/12/18 10:00	448-13R	148	5	PSPS Active + Community Resource Center Open
11/12/18 10:00	78-26R	261	16	PSPS Active + Community Resource Center Open
11/12/18 10:00	79-685R	5	0	PSPS Active + Community Resource Center Open
11/12/18 10:30	66	1701	43	Red Flag Warning
11/12/18 10:30	67	544	48	PSPS Active Overnight + Community Resource Center Open
11/12/18 10:30	157	977	51	PSPS Active Overnight + Community Resource Center Open
11/12/18 10:30	157-75R	316	15	PSPS Active Overnight + Community Resource Center Open
11/12/18 10:30	157-84R	228	8	PSPS Active Overnight + Community Resource Center Open
11/12/18 10:30	211-279R	300	20	PSPS Active
11/12/18 10:30	214-581R	360	14	PSPS Active
11/12/18 10:30	216-220R	210	7	Power Restored; Potential Additional PSPS
11/12/18 10:30	220-288R	330	7	PSPS Active
11/12/18 10:30	221-19R	3	0	PSPS Active
11/12/18 10:30	221-31R	1096	47	PSPS Active
11/12/18 10:30	222-1364R	877	18	PSPS Active Overnight + Community Resource Center Open
11/12/18 10:30	222-1370R	387	11	PSPS Active Overnight + Community Resource Center Open
11/12/18 10:30	441-25R, 441-23R	104	3	PSPS Active + Community Resource Center Open
11/12/18 10:30	441-25R, 441-23R	104	3	PSPS Active Overnight + Community Resource Center Open
11/12/18 10:30	445-21R	163	7	PSPS Active + Community Resource Center Open
11/12/18 10:30	445-21R	163	7	PSPS Active Overnight + Community Resource Center Open
11/12/18 10:30	448-13R	148	5	PSPS Active Overnight + Community Resource Center Open
11/12/18 10:30	449-16R	43	0	PSPS Active + Community Resource Center Open
11/12/18 10:30	449-16R	43	0	PSPS Active Overnight + Community Resource Center Open
11/12/18 10:30	73-765R	356	24	PSPS Active Overnight + Community Resource Center Open
11/12/18 10:30	75-1744	15	0	PSPS Active

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11/12/18 10:30	78-26R	261	16	PSPS Active Overnight + Community Resource Center Open
11/12/18 10:30	79-673R	95	4	PSPS Active Overnight + Community Resource Center Open
11/12/18 10:30	79-679R	179	14	PSPS Active + Community Resource Center Open
11/12/18 10:30	79-679R	179	14	PSPS Active Overnight + Community Resource Center Open
11/12/18 10:30	79-685R	5	0	PSPS Active Overnight + Community Resource Center Open
11/12/18 10:30	909-17R	491	23	PSPS Active
11/12/18 10:40	238	2	0	PSPS Active Overnight
11/12/18 10:40	1030-987	32	3	Power Restored; Potential Additional PSPS
11/12/18 10:40	1166-18R	270	20	PSPS Active Overnight
11/12/18 10:40	214-581R	360	14	PSPS Active Overnight
11/12/18 10:40	220-288R	330	7	PSPS Active Overnight
11/12/18 10:40	220-294R	299	6	PSPS Active Overnight
11/12/18 10:40	221-19R	3	0	PSPS Active Overnight + Community Resource Center Open
11/12/18 10:40	221-31R	1096	47	PSPS Active Overnight + Community Resource Center Open
11/12/18 10:40	237-30R	318	17	PSPS Active Overnight
11/12/18 10:40	358-682F	184	6	Power Restored; Potential Additional PSPS
11/12/18 10:40	75-1744	15	0	PSPS Active Overnight
11/12/18 10:40	909-17R	491	23	PSPS Active Overnight
11/12/18 15:07	182	2509	119	PSPS Active
11/12/18 15:07	1030-987	32	3	PSPS Active
11/12/18 15:07	1215-12R	142	5	PSPS Active Overnight + Community Resource Center Open
11/12/18 15:07	1233-259R	337	8	PSPS Active Overnight
11/12/18 15:07	211-279R	300	20	PSPS Active Overnight
11/12/18 15:07	440-13R	264	3	PSPS Active Overnight + Community Resource Center Open
11/12/18 15:07	445-23R	346	19	PSPS Active Overnight
11/12/18 15:07	79-799R	21	2	PSPS Active Overnight

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11/13/18 15:36	185	1502	59	PSPS Active
11/13/18 15:36	236	7	0	Power Restored; Potential Additional PSPS
11/13/18 15:36	288	981	29	Power Restored; Potential Additional PSPS
11/13/18 15:36	305	378	7	PSPS Active
11/13/18 15:36	306	828	0	PSPS Active
11/13/18 15:36	307	849	26	Power Restored; Potential Additional PSPS
11/13/18 15:36	358	187	6	PSPS Active
11/13/18 15:36	908	1743	67	PSPS Active
11/13/18 15:36	1001	1199	34	Power Restored; Potential Additional PSPS
11/13/18 15:36	1100	2001	62	PSPS Active
11/13/18 15:36	1100	2001	62	Power Restored; Potential Additional PSPS
11/13/18 15:36	1166	269	20	Power Restored; Potential Additional PSPS
11/13/18 15:36	1250	993	41	PSPS Active
11/13/18 15:36	1030-18R	564	31	PSPS Active
11/13/18 15:36	1030-989	156	0	PSPS Active
11/13/18 15:36	1118-27	6	0	PSPS Active
11/13/18 15:36	1118-27	6	0	Power Restored; Potential Additional PSPS
11/13/18 15:36	182-257	2511	0	Power Restored; Potential Additional PSPS
11/13/18 15:36	212-674R	532	12	PSPS Active
11/13/18 15:36	216-220R	210	7	PSPS Active
11/13/18 15:36	221-42	1422	5	PSPS Active
11/13/18 15:36	237-2R	363	0	PSPS Active
11/13/18 15:36	237-2R	363	0	Power Restored; Potential Additional PSPS
11/13/18 15:36	283-55R	453	0	PSPS Active
11/13/18 15:36	283-55R	453	0	Power Restored; Potential Additional PSPS
11/13/18 15:36	307-1492R	849	18	PSPS Active

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11/13/18 15:36	524-13	1280	100	Power Restored; Potential Additional PSPS
11/13/18 15:36	524-22R	1832	127	Power Restored; Potential Additional PSPS
11/13/18 15:36	536-150R	12	0	PSPS Active
11/13/18 15:36	909-17R	499	23	Power Restored; Potential Additional PSPS
11/13/18 15:36	SF3	159	6	Power Restored; Potential Additional PSPS
11/13/18 15:36	SF3-19R	159	6	PSPS Active
11/13/18 9:11 PM	185	1502	59	PSPS Active; Potential Overnight Outage
11/13/18 9:11 PM	358	187	6	PSPS Active; Potential Overnight Outage
11/13/18 9:11 PM	908	1743	67	PSPS Active; Potential Overnight Outage
11/13/18 9:11 PM	1250	993	41	PSPS Active; Potential Overnight Outage
11/13/18 9:11 PM	1030-18R	564	31	PSPS Active; Potential Overnight Outage
11/13/18 9:11 PM	1030-987	32	3	PSPS Active; Potential Overnight Outage
11/13/18 9:11 PM	212-674R	532	12	PSPS Active; Potential Overnight Outage
11/13/18 9:11 PM	216-220R	210	7	PSPS Active; Potential Overnight Outage
11/13/18 9:11 PM	221-42	1422	5	PSPS Active; Potential Overnight Outage
11/14/18 11:30	67	544	48	Patrols for Restoration in Progress
11/14/18 11:30	73	368	24	Patrols for Restoration in Progress
11/14/18 11:30	78	261	16	Patrols for Restoration in Progress
11/14/18 11:30	908	1743	67	Patrols for Restoration in Progress
11/14/18 11:30	1030	1304	65	Patrols for Restoration in Progress
11/14/18 11:30	1250	993	41	Patrols for Restoration in Progress
11/14/18 11:30	1039-13	855	0	Patrols for Restoration in Progress
11/14/18 11:30	157-75R	316	15	Patrols for Restoration in Progress
11/14/18 11:30	157-77R	354	15	Patrols for Restoration in Progress
11/14/18 11:30	157-87R	307	21	Patrols for Restoration in Progress
11/14/18 11:30	185-51F	1138	59	Patrols for Restoration in Progress

**SDG&E Report on De-Energization Events: November 11–16, 2018**

11/14/18 11:30	212-638R	109	5	Patrols for Restoration in Progress
11/14/18 11:30	212-674R	532	12	Patrols for Restoration in Progress
11/14/18 11:30	214-581R	360	14	Patrols for Restoration in Progress
11/14/18 11:30	216-220R	210	7	Patrols for Restoration in Progress
11/14/18 11:30	237-30R	318	17	Patrols for Restoration in Progress
11/14/18 11:30	305/F401578 & F2283423	170	0	Patrols for Restoration in Progress
11/14/18 11:30	357-1299	10	1	Patrols for Restoration in Progress
11/14/18 11:30	358-682F	184	6	Patrols for Restoration in Progress
11/14/18 11:30	442-16R	27	0	Patrols for Restoration in Progress
11/14/18 11:30	445-21R	163	7	Patrols for Restoration in Progress
11/14/18 11:30	445-23R	346	19	Patrols for Restoration in Progress
11/14/18 11:30	448-13R	148	5	Patrols for Restoration in Progress
11/14/18 11:30	449-16R	46	0	Patrols for Restoration in Progress
11/14/18 11:30	75-1744	15	0	Patrols for Restoration in Progress
11/14/18 11:30	79-658R	243	5	Patrols for Restoration in Progress
11/14/18 11:30	79-673R	93	4	Patrols for Restoration in Progress
11/14/18 11:30	907/F587930	50	0	Patrols for Restoration in Progress
11/14/18 13:30	1215	153	5	Patrols for Restoration in Progress
11/14/18 13:30	182/173-227	10	0	Power Restored; Potential Additional PSPS
11/14/18 13:30	185-51F	1138	59	Dage Found During Patrol; Restoration Delayed
11/14/18 13:30	216-220R	210	7	Power Restored; Potential Additional PSPS
11/14/18 13:30	305/F401578 & F2283423	170	0	Power Restored; Potential Additional PSPS
11/14/18 13:30	357-1299	10	1	Power Restored; Potential Additional PSPS
11/14/18 13:30	442-14R	850	50	Patrols for Restoration in Progress
11/14/18 13:30	442-16R	27	0	Patrols for Restoration in Progress
11/14/18 13:30	445-21R	163	7	Power Restored; Potential Additional PSPS

**SDG&E Report on De-Energization Events: November 11–16, 2018**

11/14/18 13:30	445-23R	346	19	Power Restored; Potential Additional PSPS
11/14/18 13:30	75-1744	15	0	Power Restored; Potential Additional PSPS
11/14/18 14:30	1250	993	41	Power Restored; Potential Additional PSPS
11/14/18 14:30	211-279R	300	20	Power Restored; Potential Additional PSPS
11/14/18 14:30	214-581R	360	14	Power Restored; Potential Additional PSPS
11/14/18 14:30	449-16R	46	0	Power Restored; Potential Additional PSPS
11/14/2018 15:40	67	544	48	Power Restored; Potential Additional PSPS
11/14/2018 15:40	73	368	24	Power Restored; Potential Additional PSPS
11/14/2018 15:40	78	261	16	Power Restored; Potential Additional PSPS
11/14/2018 15:40	442	902	47	Power Restored; Potential Additional PSPS
11/14/2018 15:40	1215, 441, 908	1990	107	Power Restored; Potential Additional PSPS
11/14/2018 15:40	185-40AE	96	0	Power Restored; Potential Additional PSPS
11/14/2018 15:40	448-13R	150	5	Power Restored; Potential Additional PSPS
11/14/2018 15:40	79, 1030	646	32	Power Restored; Potential Additional PSPS
11/14/2018 16	221	1374	47	Power Restored; Potential Additional PSPS
11/14/2018 16	212-674R	505	12	Patrols for Restoration in Progress
11/14/2018 16	F2164370	8	0	Patrols for Restoration in Progress
11/14/2018 16	Partial for: 79, 157, 212, 220, 222, 237, 238, 440, 1030, OK1, PE1	4375	146	PSPS Restoration Estimate
11/14/18 19:30	157-75R	316	15	Patrols for Restoration in Progress
11/14/18 19:30	212-638R	109	5	Patrols for Restoration in Progress
11/14/18 19:30	220-288R	330	7	Patrols for Restoration in Progress
11/14/18 19:30	220-294R	299	6	Patrols for Restoration in Progress
11/14/18 19:30	222-1364R	877	18	Patrols for Restoration in Progress
11/14/18 19:30	222-1370R	387	11	Patrols for Restoration in Progress

**SDG&E Report on De-Energization Events: November 11–16, 2018**

11/14/18 19:30	440-13R	264	3	Patrols for Restoration in Progress
11/14/18 19:30	445-25R	163	6	Patrols for Restoration in Progress
11/14/18 19:30	79-658R	243	5	Patrols for Restoration in Progress
11/14/18 19:30	79-673R	93	4	Patrols for Restoration in Progress
11/14/18 19:30	79-685R	5	0	Patrols for Restoration in Progress
11/14/18 19:30	79-799R	21	2	Patrols for Restoration in Progress
11/14/18 19:30	BAR-TL6923	568	0	Patrols for Restoration in Progress
11/14/18 19:30	BC-TL626	2	0	Patrols for Restoration in Progress
11/14/18 19:30	F514833	12	0	Patrols for Restoration in Progress
11/14/18 19:30	F515150	19	0	Patrols for Restoration in Progress
11/14/18 19:30	LBE.296597	140	0	Patrols for Restoration in Progress
11/14/18 20:00	185-lbe302067	11	0	Power Restored; Potential Additional PSPS
11/14/18 20:00	79- 799r/673r/658r	243	5	Power Restored; Potential Additional PSPS
11/14/18 20:00	BAR-TL6923	568	0	Power Restored; Potential Additional PSPS
11/14/18 21:36	237	1570	100	Power Restored; Potential Additional PSPS
11/14/18 21:36	238	2	0	Power Restored; Potential Additional PSPS
11/14/18 21:36	157-75r	316	15	Power Restored; Potential Additional PSPS
11/14/18 21:36	212-638r	108	5	Power Restored; Potential Additional PSPS
11/14/18 21:36	212-674r	505	12	Power Restored; Potential Additional PSPS
11/14/18 21:36	220-288r	330	7	Power Restored; Potential Additional PSPS
11/14/18 21:36	220-294r	299	6	Power Restored; Potential Additional PSPS
11/14/18 21:36	222- PE1	130	0	Dage Found During Patrol; Restoration Delayed
11/14/18 21:36	222-1364r	877	18	Dage Found During Patrol; Restoration Delayed
11/14/18 21:36	222-1370r	387	11	Dage Found During Patrol; Restoration Delayed
11/14/18 21:36	440-13r	264	3	Power Restored; Potential Additional PSPS
11/15/2018 8:06	OK1-F343	255	4	Power Restored; Potential Additional PSPS

## SDG&E Report on De-Energization Events: November 11–16, 2018

11/15/2018 8:36	TL6923	0		Power Restored; Potential Additional PSPS
11/15/2018 9:06	157.87r	307	21	Power Restored; Potential Additional PSPS
11/15/2018 9:36	157-77r	364	15	Power Restored; Potential Additional PSPS
11/15/2018 9:37	185- f514833	17	0	Power Restored; Potential Additional PSPS
11/15/2018 9:37	185-lbe302067	11	0	Power Restored; Potential Additional PSPS
11/15/2018 12:06	222-1370r	387	11	Power Restored; Potential Additional PSPS
11/15/2018 12:36	222-1364r	877	18	Power Restored; Potential Additional PSPS
11/15/2018 12:37	222- PE1	130	0	Power Restored; Potential Additional PSPS

### Red Flag Warning

This is SDG&E calling about weather conditions that are forecast which may impact your community. The National Weather Service has issued a Red Flag Warning to be in effect Sunday through Tuesday. High winds are expected throughout the region and we're actively monitoring the situation. We will continue to keep you updated throughout this Santa Ana wind event. If necessary, please be prepared to activate your personal family emergency plan. For more information, visit [SDGE.com](http://SDGE.com).

### PSPS Within the Hour

This is SDG&E calling with an update. Weather conditions have worsened along the power lines that service your community and we will activate a Public Safety Power Shutoff. Please be aware that the power will remain off for as long as extreme fire weather persists. Power will be restored as soon as our crews can patrol and safely assess any damage to the electrical system. It won't be turned back on until it's safe to do so. Please be ready with your personal family emergency plan. For more information, visit [sdge.com](http://sdge.com).

### PSPS Within the Hour + Community Resource Center

This is SDG&E calling with an update. There are dangerous weather conditions along power lines that serve your community and we will activate a Public Safety Power Shutoff. If the power stays off for an extended period of time, a Community Resource Center in your area will open. You'll receive another message with the Center address and hours of operation. Please be aware that the power will remain off for as long as extreme fire weather persists. Power will be restored as soon as our crews can safely assess any damage to the electrical system. It won't be turned back on until it's safe to do so. Please be ready with your personal family emergency plan. For more information, visit [SDGE.com](http://SDGE.com)

### PSPS Active

This is SDG&E calling with an update on your power outage. Due to extremely strong winds and red flag conditions in your area, the power was turned off for public safety. Our crews will be in the area when the conditions are safe to assess the electrical system to determine how quickly power can be restored. Once weather conditions improved and the line has been fully patrolled, we will restore power. We thank you in advance for your cooperation and do appreciate your patience. For up-to-date information on outages and restoration times, visit [SDGE.com/outages](http://SDGE.com/outages) or call us at 1-800-411-7343.

## **SDG&E Report on De-Energization Events: November 11–16, 2018**

### **PSPS Active + Community Resource Center Open**

This is SDG&E calling with an update. Due to dangerous weather conditions affecting power lines that serve your community, the power has been turned off for public safety. So that you have a place to charge your phone, and get water and snacks, we opened the Community Resource Center at <insert address>. The Center hours are <insert time> and an SDG&E representative will be present. Our crews will assess the electrical system to determine how quickly power can be restored. We thank you in advance for your cooperation and patience. For up-to-date information on outages and restoration times, visit [SDGE.com/outages](http://SDGE.com/outages), check our mobile app, or follow us on Twitter.

### **Power Restored; Potential Additional PSPS**

This is SDG&E calling with an update. We understand losing power is inconvenient, so we appreciate your patience during this time. We've patrolled the power lines for safety in your area and your power should be back on. However, weather conditions continue to change, so be prepared for additional outages caused by weather or in support of public safety. For updates, please visit [SDGEnews.com](http://SDGEnews.com).

### **Damage Found During Patrol; Restoration Delayed**

This is SDG&E calling with an update. While patrolling lines in San Marcos, crews found the Santa Ana winds caused multiple problems to our system including a tree that fell near our power lines. The tree has been removed. The system is now being checked before power can safely be restored in your area. Once we get an estimated time of restoration we will post an update to the Outage Map that you can find at [SDGE.com](http://SDGE.com). We understand there's never a convenient time for a power outage, so we thank you for your patience and understanding.

### **Patrols for Restoration in Progress**

This is SDG&E calling with an update. Conditions have improved, and our crews have begun patrolling power lines to determine how quickly we can restore power to your community. Please be aware that some inspections could take place on your property. We thank you in advance for your cooperation and do appreciate your patience as we work in your area to restore power. For up-to-date information on outages and restoration times, visit [sdge.com/outages](http://sdge.com/outages), check our mobile app, or follow us on Twitter.

### **PSPS Active; Potential Overnight Outage**

This is SDG&E calling with an update. Due to dangerous conditions affecting power lines that serve your community, the power has been turned off for public safety. Your power could be out overnight and remain out for more than a day. When conditions improve, our crews will assess the electrical system and determine how quickly power can be restored. We understand there's never a convenient time for a power outage, so we thank you in advance for your patience and understanding. Your safety and the safety of your community is our highest priority. For up-to-date information on outages and restoration times, visit [SDGE.com/outages](http://SDGE.com/outages), check our mobile app, or follow us on Twitter.

### **PSPS Active Overnight + Community Resource Center(s) Open**

This is SDG&E calling with an update. Your power will be out overnight and may remain out for a few days. With the National Weather Service extending the Red Flag Warning to 5 p.m. on Wednesday, restoring power quickly will be challenging. When conditions improve, our crews will patrol the electrical system and determine when power can be restored. The Community Resource Center in your area will be open from 8:00 a.m. to 6 p.m. We understand there's never a convenient time for a power outage, so we thank you in advance for your patience and

## **SDG&E Report on De-Energization Events: November 11–16, 2018**

understanding. Your safety and the safety of your community is our highest priority. For up-to-date information on outages and restoration times, visit [SDGE.com/outages](http://SDGE.com/outages), check our mobile app, or follow us on Twitter.

### **PSPS Active Overnight**

This is SDG&E calling with an update. Your power will be out overnight and may remain out for a few days. With the National Weather Service extending the Red Flag Warning to 5 p.m. on Wednesday, restoring power quickly will be challenging. When conditions improve, our crews will patrol the electrical system and determine when power can be restored. We understand there's never a convenient time for a power outage, so we thank you in advance for your patience and understanding. Your safety and the safety of your community is our highest priority. For up-to-date information on outages and restoration times, visit [SDGE.com/outages](http://SDGE.com/outages), check our mobile app, or follow us on Twitter.

### **PSPS Restoration Estimate**

This is SDG&E calling with an update. We expect to have your power restored tomorrow. Thank you for your patience, and we apologize for any inconvenience. Please continue to follow your personal emergency plan. For up-to-date information on outages and restoration times, visit [SDGE.com/outages](http://SDGE.com/outages), check our mobile app, or follow us on Twitter.

**SDG&E Report on De-Energization Events: November 11–16, 2018**

**Appendix 2**  
**Photographic Evidence of Tree Damage**

**SDG&E Report on De-Energization Events: November 11–16, 2018**

**Tree damage to C305 near Via de Fortuna; tree branch broke causing damage to primary**



**SDG&E Report on De-Energization Events: November 11–16, 2018**



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**SDG&E Report on De-Energization Events: November 11–16, 2018**



**SDG&E Report on De-Energization Events: November 11–16, 2018**



R.18-10-007 WMP OIR  
TURN-SDG&E DR 01 Q6 Attachment  
**SDG&E Report on De-Energization Events: November 11–16, 2018**

**Tree in Primary Conductors of C972**



**SDG&E Report on De-Energization Events: November 11–16, 2018**



**SDG&E Report on De-Energization Events: November 11–16, 2018**



R.18-10-007 WMP OIR  
TURN-SDG&E DR 01 Q6 Attachment  
**SDG&E Report on De-Energization Events: November 11–16, 2018**



# SDG&E Report on De-Energization Events: November 11–16, 2018

**Tree damage to C908**



R.18-10-007 WMP OIR  
TURN-SDG&E DR 01 Q6 Attachment  
**SDG&E Report on De-Energization Events: November 11–16, 2018**



R.18-10-007 WMP OIR  
TURN-SDG&E DR 01 Q6 Attachment  
**SDG&E Report on De-Energization Events: November 11–16, 2018**

**Wind-related damage to C1001**



R.18-10-007 WMP OIR  
TURN-SDG&E DR 01 Q6 Attachment  
**SDG&E Report on De-Energization Events: November 11–16, 2018**



**SDG&E Report on De-Energization Events: November 11–16, 2018**

**Downed Tree Under C222 in Wynola – Peak Wind Gust of 53 mph at WWY and 58 mph at HOS**



R.18-10-007 WMP OIR  
TURN-SDG&E DR 01 Q6 Attachment  
**SDG&E Report on De-Energization Events: November 11–16, 2018**

**Multiple Downed Tree Limbs Under C222/C221 in Wynola - Peak Wind Gust of 53 mph at WWY  
and 58 mph at HOS**



**SDG&E Report on De-Energization Events: November 11–16, 2018**

**Damaged Sign for “Fort Cross” Under C222/C221 in Wynola - Peak Wind Gust of 53 mph at WWY and 58 mph at HOS**



**SDG&E Report on De-Energization Events: November 11–16, 2018**

**Tree Branch (Foreground) and Downed Telco (Background) Under C222 in Santa Ysabel – Peak  
Wind Gust of 64 mph at IJP and 61 mph at WSY**



**SDG&E Report on De-Energization Events: November 11–16, 2018**

**Large Tree Limb on Roof & Fence Near C222 in Santa Ysabel – Peak Wind Gust of 64 mph at IJP and 61 mph at WSY**



**Large Eucalyptus Branch Near C222 in Santa Ysabel – Peak Wind Gust of 64 mph at IJP and 61 mph at WSY**



**SDG&E Report on De-Energization Events: November 11–16, 2018**

**Large Tree Limb Under C222 in Santa Ysabel – Peak Wind Gust of 64 mph at IJP and 61 mph at WSY**



R.18-10-007 WMP OIR  
TURN-SDG&E DR 01 Q6 Attachment  
**SDG&E Report on De-Energization Events: November 11–16, 2018**

**Downed Tree Near C222 in Santa Ysabel – Peak Wind Gust of 64 mph at IJP and 61 mph at WSY**



**SDG&E Report on De-Energization Events: November 11–16, 2018**

**Downed Tree Near C220 in Santa Ysabel – Peak Wind Gust of 64 mph at IJP and 61 mph at WSY**



**Large Tree Limb on Shed Near C220 in Santa Ysabel – Peak Wind Gust of 64 mph at SYR**



**SDG&E Report on De-Energization Events: November 11–16, 2018**

**Very Large Oak Limb Under C220 in Mesa Grande – Peak Wind Gust of 64 mph at SYR and 52 mph at MGD**



**SDG&E Report on De-Energization Events: November 11–16, 2018**

**Large Tree Limb Under C222 near Witch Creek – Peak Wind Gust of 63 mph at DYE and 58 mph at WCK**



**Downed Tree Under C222 in Witch Creek – Peak Wind Gust of 63 mph at DYE and 58 mph at WCK**



R.18-10-007 WMP OIR  
TURN-SDG&E DR 01 Q6 Attachment  
**SDG&E Report on De-Energization Events: November 11–16, 2018**

**Downed Tree Under C237 in Ramona – Peak Wind Gust of 50 mph at GOS and at SSO**



**SDG&E Report on De-Energization Events: November 11–16, 2018**

**Large Eucalyptus Limb Adjacent to C237 in Ramona – Peak Wind Gust 50 mph at GOS and at SSO**

