

SDG&E Report on De-Energization Events: October 19-20, 2018

The following report is submitted in response to the De-Energization Events that occurred in SDG&E's service territory on October 19-20, 2018. SDG&E hereby submits this report to the Director of Safety and Enforcement Division (SED) and includes the following information pursuant to Decision (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 0300 on Friday, October 19, 2018 in response to a Red Flag Warning (RFW) weather event effective at 0300 on Friday, October 19, 2018 declared by the National Weather Service (NWS). SDG&E activates the EOC to provide response coordination, ensure there is informed decision-making, coordinate customer, agency and elected official notifications, and coordinate as-needed logistical support.

Official NWS forecasts indicated wind gusts up to 45 mph in the wind-prone areas. SDG&E's meteorologists' forecasts were similar, predicting widespread wind gusts 35-45 mph across the backcountry with isolated gusts near 65 mph at Sill Hill. The RFW, in combination with available data and real-time observations of vegetation moisture levels and weather conditions, indicated an elevated 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.

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

Response:

The decisions for SDG&E to de-energize circuits and tie lines were made due to high winds and associated fire danger given the low humidity and dry fuel conditions at the time, among other factors. In each of these events, SDG&E carefully reviewed the situation and ultimately decided to de-energize to protect public safety and longer-term system reliability. Key bases for these decisions included:

- 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 Santa Ana Wildfire Threat Index (SAWTI) was rated Marginal ("Upon

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ignition, fires may grow rapidly.”);

- The Storm Prediction Center’s Fire Weather Outlook indicated critical fire weather conditions for portions of the SDG&E service territory;
- The Fire Potential Index (FPI) was Extreme, indicating the potential for large fires should an ignition occur;
- Live Fuel Moisture values were critically dry (~55%) and Dead Fuel Moisture values were low;
- Recorded wind gusts along the de-energized circuit were in excess of 50 mph for 13 consecutive reads, reaching 61 mph at the time of de-energization. Wind gusts remained above 50 mph at that location for an additional 6 hours and 40 minutes;
- Fire-suppression-air resources could be unavailable due to high winds and time of day;
- 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.

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 as per the definition in General Order 95, Rule 21.2-D.

Response:

Please see below for each separate De-Energization Event.

Circuit	Communities	Start Date / Time	Final restoration	GO 95, Rule 21.2-D
79	Viejas/W Descanso/Boulder Creek	10/19/2018 03:06	10/20/2018 09:38	3

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

Response:

Summary of SDG&E De-Energized Circuits with Customer types

Circuit	Start Date / Time	Total # Out	Residential	Commercial / Industrial	Medical Baseline	Other
79	10/19/2018 03:06	19	10	9	2	0

SDG&E’s De-Energization Events affected approximately 19 customers.

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5. Describe any wind-related damage to SDG&E's overhead power-line facilities in the areas where power is shut off.

Response:

SDG&E crews patrolled the de-energized lines to ensure safe operating conditions prior to re-energization. Crews found no wind-related damage.

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) A standard message was sent to all customers located in extreme weather conditions areas about the Red Flag Warning. The following day when a PSPS occurred SDG&E communicated to customers why they were without power, and eventually when they were resorted. Other warning messages and possible PSPS messaging was sent to specific sectionalizing devices as weather conditions worsened but weren't turned off for public safety. See Appendix 1.

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

Response:

SDG&E sent emails to coordinators at its Community Resource Centers (CRC) in anticipation of potential activations but did not activate any of its CRCs during this event.

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

Response:

Organization	Title
Alpine Community Planning Group	Chair
American Red Cross	Regional Disaster Officer
American Red Cross	Disaster Program Manager

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Organization	Title
American Red Cross	Regional Planning & Recovery Manager
Borrego Spring Community Sponsor Group	Chair
Boulevard Community Planning Group	Chair
Bonsall Community Sponsor Group	Chair
Campo/Lake Morena Community Planning Group	Chair
Camp Pendleton Fire Department	Operations Chief
Camp Pendleton Fire Department	Fire Chief
CAL FIRE Monte Vista Emerg. Command Center	Distribution email
CAL FIRE Monte Vista Emerg. Command Center	Battalion Chief
CAL FIRE	Deputy Chief North Operations
CAL FIRE	Division Chief
CAL FIRE	Fire Protection
City of Escondido Fire	Distribution email
City of San Diego	Fire Chief
City of San Diego	Deputy Fire Chief
City of San Diego Fire Department	Distribution email
City of San Diego	Police Chief
Cleveland National Forest	Division Chief
Cleveland National Forest Emergency Command Center	Distribution email
County of Orange Office of Emergency Management	Distribution email
County of San Diego - District 1	Supervisor
County of San Diego - District 1	Chief of Staff
County of San Diego - District 2	Supervisor
County of San Diego - District 2	Chief of Staff
County of San Diego - District 3	Supervisor
County of San Diego - District 3	Chief of Staff
County of San Diego - District 4	Supervisor
County of San Diego - District 4	Chief of Staff
County of San Diego - District 5	Supervisor
County of San Diego - District 5	Chief of Staff
County of San Diego	Chief Administrative Officer
County of San Diego	Media & Public Relations
County of San Diego	Public Works Director
County of San Diego	County Surveyor
County of San Diego	Sr. Civil Engineer
County of San Diego	Sheriff
County of San Diego Office of Emergency Services	Distribution email
County of San Diego Sheriff's Communications Center	Distribution email

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Organization	Title
County of San Diego Sheriff's office	Deputy & Lieutenant
Crest, Dehesa, Granite Hills, Harbison Canyon Community Planning Group	Chair
Cuyamaca Community Sponsor Group	Chair
Fallbrook Community Planning Group	Chair
Hidden Meadow CSG	Chair
Heartland Fire	Distribution email
Heartland Fire	
Jacumba Community Sponsor Group	Chair
Jamul Dulzura Community Planning Group	Chair
Julian Community Planning Group	Chair
Lakeside Community Planning Group	Chair
North County Distch JPA (North Comm)	Group distribution email
North County Distch JPA (North Comm)	Administrator
North County Distch JPA (North Comm)	Administrative Manager
North County Fire Protection District	Fire Chief/CEO
North County Fire Protection District	Division Chief - Operations
Pala-Pauma Community Sponsor Group	Chair
Pine Valley Community Planning Group	Chair
Potrero Community Sponsor Group	Chair
Rancho Santa Fe Assn.	Manager
San Dieguito Community Planning Group	Chair
State Legislator	Assemblymember - District 76
State Legislator	Chief of Staff
State Legislator	Senator - 38th District
State Legislator	Chief of Staff
State of California	Assemblymember - District 75
State Legislator	Chief of Staff
State Legislator	Communications Director
State of California	Assemblymember - District 71
State Legislator	Chief of Staff
Sweetwater Community Planning Group	Chair
Tecate Community Sponsor Group	Chair
Twin Oaks Valley Community Sponsor Group	Chair
Valle De Oro Community Planning Group	Chair
Valley Center Community Planning Group	Chair

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

Response:

SDG&E has received no claims or complaints related to this event.

- 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 reenergization was completed.

- 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:

There are no additional relevant matters for this event beyond what is captured above.

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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 31st day of October 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: October 19-20, 2018

Attachment 1

Communication Dates, Times, and Type

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Date/Time	Sectionalizing Device	No. Customers	No. MBL	Message/Reason
10/18/2018 14:35	79-799	19	2	Red Flag Warning
10/18/2018 14:35	1030-987	33	3	Red Flag Warning
10/18/2018 14:35	445-23R	347	20	Red Flag Warning
10/18/2018 14:35	79-799, 238	19	2	Red Flag Warning
10/18/2018 14:35	358-682F	185	6	Red Flag Warning
10/18/2018 14:35	79-685R	94	0	Red Flag Warning
10/18/2018 14:35	448-13R	135	1	Red Flag Warning
10/18/2018 14:35	441-23R	88	5	Red Flag Warning
10/18/2018 14:35	220-294R	301	5	Red Flag Warning
10/18/2018 14:35	441-25R	109	5	Red Flag Warning
10/18/2018 14:35	157-75R	299	4	Red Flag Warning
10/18/2018 14:35	222-1364R	920	32	Red Flag Warning
10/18/2018 14:35	1030-989	123	4	Red Flag Warning
10/18/2018 14:35	1215-12R	148	6	Red Flag Warning
10/18/2018 14:35	157-84R	215	12	Red Flag Warning
10/19/2018 5:58	358-682F	3	0	PSPS Warning
10/19/2018 7:07	79-799	19	2	PSPS
10/19/2018 13:01	79-799R	19	2	PSPS Patrols Start
10/19/2018 14:52	79-799R	19	2	PSPS Restore