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November 3, 2017

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 12-04-024, SDG&E is submitting this report in response to the De-Energization Event which occurred in SDG&E's service territory on October 20-21, 2017. 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 Tim Lyons at (858) 654-6403, or at TLyons@semprautilities.com.

Sincerely,

/s/ Clay Faber
Clay Faber
Director — Regulatory Affairs

SDG&E Report on De-Energization of Circuit 221 on October 20-21, 2017

The following report is submitted in response to the De-Energization Event which occurred in SDG&E's service territory on October 20-21, 2017. SDG&E submits this report to the Director of Safety and Enforcement Division (SED) and includes the following information pursuant to Decision (D.)12-04-024.

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

Response:

The portion of Circuit 221 on top of Volcan Mountain that was de-energized is under construction as part of the Fire Risk Mitigation Program (FiRM). Upon completion, this portion of Circuit 221 will be more resilient to wind. This location has very unique geographic and geological challenges, including exposure to high winds, potential for ice loading (>5000ft elevation), and poor soil conditions. Due to this unique environment and ongoing construction, this area poses a serious risk of fire ignition. It is anticipated that construction to mitigate these concerns will be completed later this year.

2. All factors considered by SDG&E in its decision to de-energize, including visual observations by pre-positioned and mobile field personnel where possible, wind speed, temperature, humidity, and vegetation moisture content in the vicinity of the de-energized circuits.

Response:

Winds at Volcan Mountain increased through the evening of October 19th and peaked in strength the following day on October 20th. Wind gusts in excess of 50 mph were measured between 01:20 and 21:20 on 10/20 with a peak gust of 72mph recorded at 16:10. Temperatures during this time fluctuated between 43 and 48 degrees Fahrenheit with relative humidity of 100%. Live fuel moisture measurements last obtained in late August indicated vegetation moistures were 54%.

3. The time, place, and duration of the event.

Response:

On Friday, October 20th at 01:52, SDG&E's Distribution System Operator opened a recloser remotely via SCADA to de-energize at Volcan Mountain. On Saturday, October 21st at 10:07 the recloser was closed, energizing the line. Service was restored at 15:50, after a planned outage that was simultaneously being worked.

a. De-energization of Circuit 221: October 20, 2017 at 01:52

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b. Power restoration on Circuit 221: October 21, 2017 at 15:50

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

Response:

There are three commercial customers that are served by Circuit 221 on the top of Volcan Mountain. All three customers have backup generators for use during potential power outages and were contacted prior to the de-energization.

The October 20-21 de-energization event affected customers as follows:

- a. Residential: 0 customers;
- b. Medical Baseline: 0 customers;
- c. Commercial and Industrial: 3 customers;
- d. Other: 0;
- e. Total: 3 customers;

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

Response:

No wind-related damage was found.

6. Provide a description of the customer notice and any other mitigation provided by SDG&E.

Response:

In advance of the event, the customers in the area were notified about the potential for de-energization during construction.

During this specific event, SDG&E provided several notifications to the customers as follows:

- October 18th – A day-ahead notification was made to all the customers as soon as SDG&E's forecasts showed potential wind gusts to exceed 50mph.
- October 19th – A day-of notification was made to all the customers when forecasts continued to project wind gusts to exceed 50mph.

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- 7. 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:

SDG&E's response was targeted to a specific circuit that was experiencing conditions that threatened public safety. Very few customers and no residential customers were affected by de-energization. These customers received prior notice. Several Santa Ana wind events earlier in the month had left fuels very dry throughout the San Diego region. Precipitation from the past winter led to an above normal grass crop, posing the risk of having a fire to easily spread under windy and hot conditions.

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 3rd day of November 2017, at San Diego, California.

/s/ Katherine M. Speirs
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 of Circuit 221
on October 20-21, 2017**

Attachment 1

De-Energization Documentation – Circuit 221

SDG&E Report on De-Energization of Circuit 221 on October 20-21, 2017

De-Energization Documentation

Date and Time: October 20th at 01:52hrs

Circuit: 221

Sectionalizing Device: 221-19R

Customers Impacted: 3

Communities Affected: Volcan Mountain

Anemometer: Volcan Mountain (VCM)

Wind Speed: WSW 41 mph with gusts to 56 mph

Humidity: 100%

LFM: 54%

FPI: Normal (11)

Area fuels

Type: Open grasslands surrounded by oak/conifer forests.

Quantity:

Observer report: N/A - observers were not used for this incident.

Active fires? ☒ No ☐ Yes - If so, where:

Active Outages? ☐ No ☒ Yes if so, where: Imperial Beach Circuit 159 (110 customers), Chollas West Circuit 160, AM1, AM2, AM3 (3,490 customers), Pala Circuit 249 (466 customers)

Air resources available: ☒ No ☐ Yes

Comments:

The portion of Circuit 221 on top of Volcan Mountain that was de-energized is under construction as part of the Fire Risk Mitigation Program (FiRM). Upon completion, the design criteria will increase for this portion of Circuit 221. This location has very unique geographic and geological challenges, including exposure to high winds, potential for ice loading (>5,000ft elevation) and poor soil conditions. Due to this unique environment and ongoing construction, we decided to implement an operational constraint consistent with the current design criteria until construction is completed. It is anticipated that construction to mitigate these concerns will be completed later this year and the operational constraint can be removed.

Other considerations: See DOP 3017C for information on our operating procedures for Volcan Mountain.

Contributors: Electric Distribution Operations