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July 21, 2020

**ADVICE LETTER 3574-E  
(U902-E)**

PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA

**SUBJECT: QUARTERLY ADVICE LETTER RELATED TO PUBLIC UTILITIES CODE  
SECTION 8389(e)(7)**

Per Public Utilities Code Section 8389(e)(7), San Diego Gas & Electric Company (SDG&E or the Company) hereby submits to the California Public Utilities Commission (Commission) this Tier 1 Advice Letter (AL) that details the implementation of both its approved Wildfire Mitigation Plan and recommendations of the most recent safety culture assessment; a statement of recommendations of the Board of Directors Safety Committee (Safety Committee) meetings that occurred during the quarter;<sup>1</sup> and a summary of the implementation of the Safety Committee recommendations from SDG&E's previous advice letter.<sup>2</sup>

**PURPOSE**

The purpose of this AL is to comply with the requirements of Section 8389(e)(7), which were added to the Public Utilities Code by Assembly Bill (AB) 1054 on July 12, 2019. That statutory provision requires that SDG&E file a Tier 1 AL "on a quarterly basis that details the implementation of both its approved wildfire mitigation plan and recommendations of the most recent safety culture assessment, and a statement of recommendations of the board of directors safety committee meetings that occurred during the quarter." Section 8389(e)(7) also requires that the AL "shall summarize the implementation of safety committee recommendations from the electrical corporation's previous advice letter filing."

**BACKGROUND**

Governor Newsom signed AB 1054 into law on July 12, 2019. AB 1054 contains numerous statutory provisions and amendments designed to enhance the mitigation and prevention of catastrophic wildfires – including wildfires linked to utility equipment – in California. AB 1054 added Section 8389 to the Public Utilities Code. Section 8389(e) establishes the requirements

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<sup>1</sup> This AL includes information relating to activities and events that occurred in the second quarter of 2020.

<sup>2</sup> AL 3535-E.

for annual safety certifications<sup>3</sup> and, *inter alia*, requires electrical corporations to establish a safety committee of its board of directors composed of members with relevant safety experience, establish board-of-director-level reporting to the Commission on safety issues, and file quarterly Tier 1 ALs as described above.

## **DISCUSSION**

### **Implementation of SDG&E's Approved Wildfire Mitigation Plan**

SDG&E continues to track 42 progress metrics on 29 different mitigations proposed in its Wildfire Mitigation Plan. These mitigations involve a wide-array of topic areas such as: inspection and maintenance programs, infrastructure replacement programs, and vegetation management programs which all mitigate the risk of ignitions due to a fault on the electric system. SDG&E has mitigation programs to enhance situational awareness, which informs SDG&E's risk models and helps prioritize infrastructure replacement; and strategies and tools for real time decision making during emergency response or Power Safety Power Shutoff events. SDG&E also has mitigations that reduce the impact of a wildfire once an ignition has occurred, including high definition cameras, ground and aerial fire suppression resources, and a fuels management program.

In addition, SDG&E has implemented mitigations to the customer impacts associated with Power Safety Power Shutoff events including the installation of remote switches to limit the customers exposed to Power Safety Power Shutoff, the establishment of customer resource centers during Power Safety Power Shutoff events, and SDG&E's customer outreach programs.

In Attachment A hereto, SDG&E provides a detailed breakdown of the progress on all these individual mitigations. In summary, SDG&E has fire hardened 108 miles of its electric system and replaced over 1,950 structures within the high fire threat district from January 1, 2020 through June 30, 2020.

### **Implementation of SDG&E's Most Recent Safety Culture Assessment**

SDG&E has not yet undergone a Commission-initiated safety culture assessment. Accordingly, SDG&E has no information to report regarding implementation. Once SDG&E's safety culture assessment is completed, SDG&E will include implementation information in future advice letters.

### **July 8, 2020 Safety Committee Meeting**

The SDG&E Board Safety Committee<sup>4</sup> advises and assists the Board of Directors in the oversight of safely providing electric and natural gas services to the Company's customers. The Safety Committee held a meeting on July 8, 2020 in which it received presentations from SDG&E management and employees. In the course of the meeting, the Safety Committee asked questions and engaged with SDG&E management and employees regarding the subjects of their presentations.

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<sup>3</sup> SDG&E received its initial safety certification from the Commission via a letter from the Executive Director dated July 26, 2019. SDG&E submitted its request to the Wildfire Safety Division for a 2020 safety certification on June 16, 2020.

<sup>4</sup> The Safety Committee members include Erbin B. Keith, Chairman; Robert J. Borthwick; and Trevor I. Mihalik.

At the July 8 meeting, the Safety Committee received the following presentations from SDG&E management and employees regarding safety issues.

Caroline Winn, SDG&E's Chief Safety Officer, reported on several topics. First, Ms. Winn provided an overview of SDG&E's response to the COVID-19 pandemic, noting the Company's innovative response to reduce risks and mitigate impacts on employees and the community. Second, Ms. Winn discussed plans for virtual operation of SDG&E's Emergency Operations Center during the upcoming fire season. Third, Ms. Winn discussed the June 2020 Wildfire Safety Community Advisory Council Meeting with the Committee members, two of whom were in attendance. Lastly, Ms. Winn briefed the Committee on the status of prior Safety Committee recommendations, as discussed further below.

Alan Colton, Director of Customer Field Operations, then provided an overview of the insourcing initiative to build an internally resourced department to physically locate and mark electric, gas and fiber optic underground facilities. Mr. Colton discussed the importance of this function, factors considered in insourcing, and the expected timeline to completion.

Rodger Schwecke, SDG&E's Senior Vice President – Gas Construction & Operations, led a briefing on the September 2018 natural gas explosions that occurred in Massachusetts on the Columbia Gas distribution system. Mr. Schwecke discussed ramifications of the incident and improvement opportunities related to the incident.

Jonathan Woldemariam, Director of Wildfire Mitigation and Vegetation Management, presented the Committee with a progress report on Wildfire Mitigation Plan activities to date, including 2020 milestones. Mr. Woldemariam then led a discussion on the utility wildfire mitigation maturity model and the Wildfire Safety Division's survey assessment results. Lastly, Mr. Woldemariam briefed the Committee on Company initiatives related to risk-based assessments being developed to inform wildfire mitigation investments and Public Safety Power Shutoff risk reduction.

Kate Collier, Vice President of Audit Services at Sempra Energy, reported on the 2020 audit plan relating to safety issues.

Lastly, Mr. Keith provided the following Safety Committee recommendation to SDG&E:

SDG&E should make a presentation at an upcoming Safety Committee meeting on the implementation of its Safety Management System.

### **Implementation of Recommendations of the Board of Directors Safety Committee in the Prior Quarter**

As noted in AL 3535-E, SDG&E's Safety Committee provided the following recommendations to the company at the April 1, 2020 meeting:

1. SDG&E should study and report back on the effects of a communications network failure in its service territory during a major disaster, and how such a failure might be mitigated in order to ensure internal communications and coordination with emergency disaster relief officials.
2. SDG&E should make a presentation at the next Safety Committee meeting on the 2020 Utility Wildfire Mitigation Maturity Model Survey.

3. SDG&E should keep the Safety Committee apprised of its response to the COVID-19 pandemic, including the steps SDG&E is taking to ensure employee and customer safety.

At the July 8 meeting, Ms. Winn provided an update on SDG&E's progress regarding these recommendations. Specifically, Ms. Winn reported as follows:

1. SDG&E is continuing to examine the communications network failure issue and will report back at a future Safety Committee meeting.
2. As noted above, Mr. Woldemariam made a presentation to the Committee on the 2020 Utility Wildfire Mitigation Maturity Model Survey at the July 8 meeting.
3. As noted above, Ms. Winn discussed SDG&E's response to the COVID-19 pandemic, including the steps SDG&E is taking to ensure employee and customer safety, at the July 8 meeting.

### **UPDATE ON SDG&E'S WILDFIRE SAFETY COMMUNITY ADVISORY COUNCIL MEETINGS**

Per the requirement established in D.20-05-051 that SDG&E report on advisory council activities on a quarterly basis, SDG&E provides the following. SDG&E convened a meeting of its Wildfire Safety Community Advisory Council on June 15, 2020. Ms. Winn chaired the meeting, which took place virtually in light of the COVID-19 pandemic. Throughout the meeting, Council members asked questions and provided comments.

Ms. Winn began by referring to recent issues of social injustice and discussing SDG&E's commitment to diversity. In response to prior feedback and comments, Ms. Winn discussed partnership agreements SDG&E is developing with community organizations. Next, Ms. Winn briefed the Council on several new developments, including SDG&E's expanded camera network, public communications regarding Public Safety Power Shutoffs, and preparations for the upcoming fire season, including with respect to the COVID-19 pandemic. Ms. Winn also discussed SDG&E efforts to assist customers in connection with the pandemic.

Dave Geier, SDG&E's Senior Vice President for Electric Operations, presented an update on SDG&E's 2020 Wildfire Mitigation Plan. Mr. Geier discussed the approval of SDG&E's 2020 plan, the new maturity model, planned Public Safety Power Shutoff enhancements, customer generation issues, and aerial support for the upcoming fire season.

Kendall Helm, SDG&E's Vice President of Customer Operations, briefed the Council on SDG&E's wildfire safety community engagements initiatives. Ms. Helm discussed planned enhancements with respect to Public Safety Power Shutoffs, stakeholder partnerships SDG&E is developing, actions to support vulnerable populations, and pandemic preparation.

Mitch Mitchell, SDG&E's Vice President of State Government Affairs and External Affairs, provided an overview of the current session of the California Legislature with respect to wildfire issues. Mr. Mitchell noted that most of the proposed legislation concerns issues relating to Public Safety Power Shutoffs and medical baseline customers.

Following these presentations, Council members and SDG&E engaged in a roundtable discussion.

**EFFECTIVE DATE**

SDG&E believes this submittal is subject to Energy Division disposition and should be classified as Tier 1 (effective pending disposition) pursuant to GO 96-B. SDG&E respectfully requests that this AL become effective on July 21, 2020, which is the date of submittal.

**PROTEST**

Anyone may protest this Advice Letter to the California Public Utilities Commission. The protest must state the grounds upon which it is based, including such items as financial and service impact, and should be submitted expeditiously. The protest must be made in writing and must be received no later than August 10, 2020, which is within 20 days of the date this Advice Letter was filed with the Commission. There is no restriction on who may file a protest. The address for mailing or delivering a protest to the Commission is:

CPUC Energy Division  
Attention: Tariff Unit  
505 Van Ness Avenue  
San Francisco, CA 94102

Copies of the protest should also be sent via e-mail to the attention of Energy Division at [EDTariffUnit@cpuc.ca.gov](mailto:EDTariffUnit@cpuc.ca.gov) of the Energy Division. A copy of the protest should also be sent via e-mail to the address shown below on the same date it is mailed or delivered to the Commission.

Attn: Gregory S. Anderson  
Regulatory Tariff Manager  
E-mail: [GAnderson@sdge.com](mailto:GAnderson@sdge.com)

**NOTICE**

A copy of this filing has been served on the utilities and interested parties shown on the attached list, including interested parties to service lists R.18-10-007, R.18-12-005, and the Wildfire Safety Division by either providing them a copy electronically or by mailing them a copy hereof, properly stamped and addressed.

Address changes should be directed to SDG&E Tariffs by e-mail at [SDGETariffs@sdge.com](mailto:SDGETariffs@sdge.com).

/s/ Clay Faber

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CLAY FABER  
Director – Regulatory Affairs



# ADVICE LETTER SUMMARY

## ENERGY UTILITY

MUST BE COMPLETED BY UTILITY (Attach additional pages as needed)

Company name/CPUC Utility No.:

Utility type:

ELC       GAS       WATER  
 PLC       HEAT

Contact Person:

Phone #:

E-mail:

E-mail Disposition Notice to:

EXPLANATION OF UTILITY TYPE

ELC = Electric      GAS = Gas      WATER = Water  
PLC = Pipeline      HEAT = Heat

(Date Submitted / Received Stamp by CPUC)

Advice Letter (AL) #:

Tier Designation:

Subject of AL:

Keywords (choose from CPUC listing):

AL Type:  Monthly     Quarterly     Annual     One-Time     Other:

If AL submitted in compliance with a Commission order, indicate relevant Decision/Resolution #:

Does AL replace a withdrawn or rejected AL? If so, identify the prior AL:

Summarize differences between the AL and the prior withdrawn or rejected AL:

Confidential treatment requested?  Yes     No

If yes, specification of confidential information:

Confidential information will be made available to appropriate parties who execute a nondisclosure agreement. Name and contact information to request nondisclosure agreement/ access to confidential information:

Resolution required?  Yes     No

Requested effective date:

No. of tariff sheets:

Estimated system annual revenue effect (%):

Estimated system average rate effect (%):

When rates are affected by AL, include attachment in AL showing average rate effects on customer classes (residential, small commercial, large C/I, agricultural, lighting).

Tariff schedules affected:

Service affected and changes proposed<sup>1</sup>:

Pending advice letters that revise the same tariff sheets:

<sup>1</sup>Discuss in AL if more space is needed.

**Protests and all other correspondence regarding this AL are due no later than 20 days after the date of this submittal, unless otherwise authorized by the Commission, and shall be sent to:**

CPUC, Energy Division  
Attention: Tariff Unit  
505 Van Ness Avenue  
San Francisco, CA 94102  
Email: [EDTariffUnit@cpuc.ca.gov](mailto:EDTariffUnit@cpuc.ca.gov)

Name:  
Title:  
Utility Name:  
Address:  
City: State:  
Telephone (xxx) xxx-xxxx:  
Facsimile (xxx) xxx-xxxx:  
Email:

Name:  
Title:  
Utility Name:  
Address:  
City: State:  
Telephone (xxx) xxx-xxxx:  
Facsimile (xxx) xxx-xxxx:  
Email:

General Order No. 96-B  
ADVICE LETTER SUBMITTAL MAILING LIST

cc: (w/enclosures)

Public Utilities Commission

Office of Ratepayer Advocates (ORA)

R. Pocta

Energy Division

M. Ghadessi

M. Salinas

L. Tan

R. Ciupagea

Tariff Unit

CA Energy Commission

B. Penning

B. Helft

Advantage Energy

C. Farrell

Alcantar & Kahl LLP

M. Cade

K. Harteloo

AT&T

Regulatory

Barkovich & Yap, Inc.

B. Barkovich

Braun & Blasing, P.C.

S. Blasing

D. Griffiths

CA Dept. of General Services

H. Nanjo

California Energy Markets

General

California Farm Bureau Federation

K. Mills

California Wind Energy

N. Rader

City of Poway

Poway City Hall

City of San Diego

L. Azar

J. Cha

D. Heard

F. Ortlieb

H. Werner

M. Rahman

Clean Energy Renewable Fuels, LLC

P. DeVille

Clean Power Research

T. Schmid

G. Novotny

Davis Wright Tremaine LLP

J. Pau

Douglass & Liddell

D. Douglass

D. Liddell

Ellison Schneider Harris & Donlan LLP

E. Janssen

C. Kappel

Energy Policy Initiatives Center (USD)

S. Anders

Energy Regulatory Solutions Consultants

L. Medina

Energy Strategies, Inc.

K. Campbell

EQ Research

General

Goodin, MacBride, Squeri, & Day LLP

B. Cragg

J. Squeri

Green Charge

K. Lucas

Hanna and Morton LLP

N. Pedersen

JBS Energy

J. Nahigian

Keyes & Fox, LLP

B. Elder

Manatt, Phelps & Phillips LLP

D. Huard

R. Keen

McKenna, Long & Aldridge LLP

J. Leslie

Morrison & Foerster LLP

P. Hanschen

MRW & Associates LLC

General

NLine Energy

M. Swindle

NRG Energy

D. Fellman

Pacific Gas & Electric Co.

M. Lawson

M. Huffman

Tariff Unit

RTO Advisors

S. Mara

SCD Energy Solutions

P. Muller

Shute, Mihaly & Weinberger LLP

O. Armi

Solar Turbines

C. Frank

SPURR

M. Rochman

Southern California Edison Co.

K. Gansecki

TerraVerde Renewable Partners LLC

F. Lee

TURN

M. Hawiger

UCAN

D. Kelly

US Dept. of the Navy

K. Davoodi

US General Services Administration

D. Bogni

Valley Center Municipal Water Distr

G. Broomell

Western Manufactured Housing  
Communities Association

S. Dey

Interested Parties in:

R.18-10-007

R.18-12-005



**SDG&E Advice Letter 3574-E**  
**Quarterly Advice Letter Related to Public Utilities Code Section 8389(E)(7)**

**Attachment A**

# SDG&E's 2020 Wildfire Mitigation Plan 2<sup>nd</sup> Quarter Progress Update

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(All data as of June 30, 2020)

# 2020 Wildfire Mitigation Plan Activities Summary



5.3.2 – Situational Awareness & Forecasting		5.3.4 – Asset Management & Inspections			5.3.5 – Vegetation Management & Inspections		
5.3.2.1 Camera network and advanced weather station integration	5.3.2.3 Wireless fault indicators	5.3.4.1 Detailed corrective maintenance program inspections	5.3.4.2 Transmission system inspections	5.3.4.4 Infrared inspections of distribution infrastructure	5.3.5.2 Detailed inspections of vegetation around distribution infrastructure – tree trimming	5.3.5.5 Fuels Management	
	5.3.2.4.1 Fire science and climate adaptation department	5.3.4.9.1 HFTD Tier 3 inspections	5.3.4.9.2 Drone assessments of distribution infrastructure	5.3.4.15 Substation system inspection	5.3.5.9 Other discretionary inspection of vegetation around distribution infrastructure – Enhanced inspections, patrols, and trims	5.3.5.20 Vegetation management to achieve clearances around electric infrastructure – Pole brushing	
5.3.3 – Grid Design & System Hardening							
5.3.3.1 SCADA Capacitors	5.3.3.2 Advanced protection	5.3.3.3 Distribution overhead system hardening	5.3.3.6 Pole replacement and reinforcement	5.3.3.7 Expulsion fuse replacement	5.3.3.8.1 PSPS sectionalizing enhancements	5.3.3.8.2 Microgrids	5.3.3.10 Hotline clamps
5.3.3.11.1 Customer resiliency programs	5.3.3.11.2 Expanded generator grant program	5.3.3.11.3 Whole house generator program	5.3.3.16 Strategic undergrounding	5.3.3.17.1 Overhead transmission fire hardening	5.3.3.17.2 Cleveland National Forest fire hardening	5.3.3.18.1 Distribution communications reliability improvements	5.3.3.18.2 Lightning arrester removal and replacement

# Q2 Activity Status vs 2020 Goals

## 5.3.2 – Situational Awareness and Forecasting

**5.3.2.1**

<b>0</b> Weather stations installed	<b>4</b> Cameras installed
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**Camera network and advanced weather station integration**  
**Volume vs 2020 Goal:** 0 of 20 weather stations installed (0%), 4 of 4 cameras installed (100%)  
**Key Actions:** 21 Advanced Weather Stations have been fielded and are in the design stage.

**5.3.2.3**

**0**  
WFI's installed

**Wireless fault indicators**  
**Volume vs 2020 Goal:** 0 of 500 WFI's installed (0%)  
**Key Actions:** Jobs in design. Issue for construction is scheduled for July 2020.

**5.3.2.4.1**

**1**  
Fire Science & Innovation Lab

**Fire science and climate adaptation department**  
**Volume vs 2020 Goal:** 1 of 1 fire science and innovation lab  
**Key Actions:** Continued expansion and development of key academic collaborators to include Scripps Institution of Oceanography in addition to SDSC and SJSU. A virtual lab was established via Microsoft Teams and has already been leveraged for wildfire incident coordination this season.

# Q2 Activity Status vs 2020 Goals

## 5.3.3 – Grid Design and System Hardening (1 of 2)

**5.3.3.1**  
**3**  
SCADA capacitors installed

**SCADA Capacitors**  
**Volume vs 2020 Goal:** 3 of 30 SCADA capacitors installed (10%)  
**Key Actions:** Jobs in design. Issue for construction is scheduled for July 2020.

**5.3.3.3**  
**0** CC   **34.2** OH

**Distribution overhead system hardening**  
**Volume vs 2020 Goal:** 0 of 1 mile hardened with covered conductor (0%), 34.2 of 102 miles OH hardened (34%)  
**Key Actions:** Covered conductor work is in the preliminary engineering stage, expected to be issued to construction in Q3, and completed by year end. To date, 634 OH distribution poles have been hardened.

**5.3.3.7**  
**2,271**  
Fuses replaced

**Expulsion fuse replacement**  
**Volume vs 2020 Goal:** 2,271 of 3,000 fuses replaced (76%)  
**Key Actions:** Program is on time and on target for completion before end of 2020.

**5.3.3.8.2**  
**0**  
Microgrids installed

**Microgrids**  
**Volume vs 2020 Goal:** 0 of 3 microgrids installed (0%)  
**Key Actions:** Two projects in execution, and one project in development. Cameron Corners progress continues with temporary generation scheduled to be in service by 9/2020 and final system completion by 7/2021.

**5.3.3.2**  
**2** Cir.   **2** Subs.

**Advanced protection**  
**Volume vs 2020 Goal:** 2 of 8 circuits enabled (25%), 2 of 6 substations enabled (33%)  
**Key Actions:** Ongoing work in advanced protection may put project projections ahead of schedule by year end. Currently 6 substations and 11 circuits are in the construction phase.

**5.3.3.6**  
**295**  
Poles replaced

**Pole replacement and reinforcement**  
**Volume vs 2020 Goal:** 295 of 670 poles replaced (44%)  
**Key Actions:** Program is on time and on target for completion before end of 2020.

**5.3.3.8.1**  
**2**  
Switches installed

**PSPS sectionalizing enhancements**  
**Volume vs 2020 Goal:** 2 of 7 sectionalizing devices installed (29%)  
**Key Actions:** All switches are currently in construction and expected to be complete by end of 2020.

**5.3.3.10**  
**372**  
HLC's replaced

**Hotline clamps**  
**Volume vs 2020 Goal:** 372 of 1,650 hotline clamps replaced (23%)  
**Key Actions:** Program is on time and on target for completion before end of 2020.

# Q2 Activity Status vs 2020 Goals

## 5.3.3 – Grid Design and System Hardening (2 of 2)

**5.3.3.11.1**

**33** MBL

**8** CRC   **4** CCI

**Customer resiliency programs**  
**Volume vs 2020 Goal:** 33 of 1,250 medical baseline generators (3%), 8 of 8 Community Resource Centers (100%), and 4 of 4 community and critical infrastructure generators leased (100%)  
**Key Actions:** Additional medical baseline generators are scheduled for delivery to SDG&E in July 2020.

**5.3.3.11.2**

**87**  
Generators

**Expanded generator grant program**  
**Volume vs 2020 Goal:** 87 of 1375 generators (6%)  
**Key Actions:** Program fully scoped and 1,000 generators purchased. Online portal for customers to go live in July 2020.

**5.3.3.11.3**

**0**  
Generators

**Whole house generator program**  
**Volume vs 2020 Goal:** 0 of 300 generators (0%)  
**Key Actions:** Program fully scoped. Contract is currently in negotiation with 3<sup>rd</sup> party installer.

**5.3.3.16**

**0.3**  
Miles UG

**Strategic undergrounding**  
**Volume vs 2020 Goal:** 0.3 of 10 miles undergrounded (3%)  
**Key Actions:** 2.3 miles currently in construction.

**5.3.3.17.1**

**14.3** OH

**0** UG   **4** UB

**Overhead transmission fire hardening**  
**Volume vs 2020 Goal:** 14.3 of 20 OH miles (73%), 4 of 9 miles distribution underbuilt (43%)  
**Key Actions:** Pending advice letter approval UG construction will begin in late 2020. (2021 target = 6 mi UG)

**5.3.3.17.2**

**23.2** T OH   **3.7** D OH

**17.5** D OH w/T   **10.9** D UG

**Cleveland National Forest fire hardening**  
**Volume vs 2020 Goal:** 23.2 of 26 transmission OH miles (89%), 3.7 of 28 distribution OH miles (13%), 17.5 of 25 distribution OH with associated transmission miles (70%), and 10.9 of 14 distribution UG miles (78%)  
**Key Actions:** OH Distribution work began in June 2020. Program on time and target for 2020.

**5.3.3.18.1**

**6**  
Base Stations installed

**Distribution Communications Reliability Improvements**  
**Volume vs 2020 Goal:** 6 of 25 base stations installed  
**Key Actions:** Program is on time and on target for completion before end of 2020.

**5.3.3.18.2**

**0**  
Lightning Arrestors removed and replaced

**Lightning arrestor removal and replacement**  
**Volume vs 2020 Goal:** 0 of 0 lightning arrestors removed and replaced.  
**Key Actions:** This program will begin construction in 2021 and will replace approximately 2,772 lightning arrestors by the end of 2022.

# Q2 Activity Status vs 2020 Goals

## 5.3.4 – Asset Management and Inspections

**5.3.4.1**  
**15,290**  
Detailed Inspections

**Detailed corrective maintenance program inspections**  
**Volume vs 2020 Goal:** 15,290 of 17,500 inspections (87%)  
**Key Actions:** Program is on time and on target for completion before end of 2020.

**5.3.4.4**  
**4,621**  
Infrared Inspections

**Infrared inspections of distribution infrastructure**  
**Volume vs 2020 Goal:** 4,621 of 8,500 inspections (54%)  
**Key Actions:** Program is on time and on target for completion before end of 2020.

**5.3.4.9.2**  
**33,922**  
Drone Inspections

**Drone assessments of distribution infrastructure**  
**Volume vs 2020 Goal:** 33,922 of 39,500 inspections (86%)  
**Key Actions:** Program scope has decreased for 2020 to target 39,500 inspections in Tier 3. Program is on time and on target for completion before end of 2020.

<b>5.3.4.2</b>	<b>111</b> Visual	<b>0</b> Infrared
	<b>27</b> Detailed	<b>0</b> Aerial

**Transmission system inspections**  
**Volume vs 2020 Goal:** 111 of 117 visual inspections (95%), 0 of 113 infrared inspections (0%), 27 of 41 detailed inspections (66%), and 0 of 27 aerial inspections (0%)  
**Key Actions:** Infrared and Aerial inspections are expected to be performed between July-September 2020.

**5.3.4.9.1**  
**11,864**  
HFTD Tier 3 Inspections

**HFTD Tier 3 inspections**  
**Volume vs 2020 Goal:** 11,864 of 11,500 inspections (103%)  
**Key Actions:** HFTD Tier 3 inspections were completed prior to the start of fire season.

**5.3.4.15**  
**178**  
Substation Inspections

**Substation system inspection**  
**Volume vs 2020 Goal:** 178 of 330 inspections (54%)  
**Key Actions:** Program is on time and on target for completion before end of 2020.

# Q2 Activity Status vs 2020 Goals

## 5.3.5 – Vegetation Management and Inspections

**5.3.5.2**  
**228,453**  
Trees Inspected

**Detailed inspections of vegetation around distribution infrastructure – Inventory Tree Inspections**  
**Volume vs 2020 Goal:** 228,453 of 455,000 tree inspections (50%)  
**Key Actions:** This goal is specific to Inventory Tree Inspections. Program on target for 2020.

**5.3.5.5**  
**0**  
Pole vegetation thinned

**Fuels Management**  
**Volume vs 2020 Goal:** 0 of 515 pole vegetation thinned (0%)  
**Key Actions:** Program target decreased to 515 landowner poles due to 30 target poles identified were on Federal, State, County or City Land. Notification postcards were mailed out in mid-June to all landowners and customers potentially affected by work around targeted poles.

**5.3.5.9**  
**5,612**  
Trees trimmed or removed

**Other discretionary inspection of vegetation around distribution infrastructure – Enhanced inspections, patrols, and trims**  
**Volume vs 2020 Goal:** 5,612 of 17,000 trees trimmed or removed (33%)  
**Key Actions:** Enhanced Vegetation Management HFTD (trim or remove) - on time and on target for 2020

**5.3.5.20**  
**29,430**  
Poles brushed

**Vegetation management to achieve clearances around electric infrastructure – Pole brushing**  
**Volume vs 2020 Goal:** 29,430 of 35,500 poles brushed (83%)  
**Key Actions:** Program is on time and on target for completion before end of 2020.