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May 10, 2021

**ADVICE LETTER 3752-E-A  
(U902-E)**

PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA

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

Per Public Utilities Code Section 8389(e)(7) and the February 16, 2021 Wildfire Safety Division (WSD) Compliance Operational Protocols,<sup>1</sup> 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>2</sup> and a summary of the implementation of the Safety Committee recommendations from SDG&E's previous advice letter.<sup>3</sup>

On May 7, 2021, SDG&E submitted Advice Letter 3752-E, which inadvertently omitted Attachment A. Therefore, SDG&E is resubmitting a supplemental Advice Letter, 3752-E-A, to supersede AL 3752-E.

**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 advice letter "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." The WSD's recently issued Compliance Operational Protocols confirms these requirements.

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<sup>1</sup> The WSD's Compliance Operational Protocols provides guidance on the contents, format, and timing of the compliance reporting the WSD requires of the electrical corporations.

<sup>2</sup> This AL includes information relating to activities and events that occurred in the first quarter of 2021.

<sup>3</sup> AL 3708-E.

**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 for annual safety certifications<sup>4</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 advice letters as described above.

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

SDG&E continues to track 35 quantitative metrics and 44 qualitative metrics on 78 different mitigations proposed in its 2021 Wildfire Mitigation Plan Update. These mitigations involve a wide array of topic areas such as: inspection and maintenance programs, infrastructure replacement programs, and vegetation management programs designed to 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 Public Safety Power Shutoff (PSPS) events. SDG&E also has mitigations intended to 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 measures to mitigate the customer impacts associated with PSPS events, including the installation of remote switches to limit the number of customers exposed to PSPS, the establishment of customer resource centers during PSPS events, and SDG&E's customer outreach programs.

In Attachment A hereto, SDG&E provides a breakdown of the progress on quantitative targets for these mitigations. In summary, SDG&E has fire hardened 23.8 miles of its electric system and completed 97% of its HFTD Tier 3 Inspections from January 1, 2021 through March 31, 2021. More information on these metrics can be found in SDG&E's Quarterly Initiative Update filed May 3<sup>rd</sup>, 2021.

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

SDG&E has not yet undergone a safety culture assessment. The WSD has issued guidance on its annual safety culture assessment process,<sup>5</sup> and plans to conduct its first annual assessment in 2021. SDG&E will initiate its survey in May 2021. Accordingly, SDG&E has no information to report regarding implementation at this time. Once SDG&E's safety culture assessment is completed, SDG&E will include implementation information in future advice letters.

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<sup>4</sup> SDG&E received its 2020 safety certification from the WSD via a letter dated September 14, 2020.

<sup>5</sup> See Resolution WSD-011.

**May 4, 2021 Safety Committee Meeting**

The SDG&E Board Safety Committee<sup>6</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 May 4, 2021 in which it received presentations from SDG&E management and employees, as discussed below. During the meeting, the Safety Committee asked questions and engaged with SDG&E management and employees regarding the subjects of their presentations.

At the May 4 meeting, the Safety Committee received the following presentations from SDG&E management and employees regarding safety issues, as follows.

Kevin Geraghty, SDG&E's Chief Safety Officer and its Senior Vice President for Electric Operations, reported on several topics. Mr. Geraghty provided an update on the impact of COVID-19 on the company and its employees, noting that all employees are currently eligible to receive vaccinations. Mr. Geraghty also discussed safety performance in 2021. Next, Mr. Geraghty gave an update on the implementation of SDG&E's 2021 WMP and related activities, and he also discussed SDG&E's 2020 WMP Compliance Report. Lastly, Mr. Geraghty indicated that Jonathan Woldemariam, Augie Ghio and Omar Zevallos would follow-up on prior Safety Committee recommendations in their presentations.

Jonathan Woldemariam, SDG&E's Director of Wildfire Mitigation and Vegetation Management, then made a presentation on SDG&E's new wildfire technologies. In particular, Mr. Woldemariam discussed SDG&E's WiNGS risk-based decision support tool, which is being used to determine the most cost-effective wildfire and PSPS risk reduction investments. Mr. Woldemariam also provided information on new grid hardening strategies, artificial intelligence and intelligent imaging, and microgrids. Next, Mr. Woldemariam described SDG&E's various backup generation programs, which are used to mitigate PSPS impacts. Mr. Woldemariam also briefed the Committee on the Technosylva presentation to the Commission that modeled the likelihood of catastrophic wildfires that were avoided due to PSPS.

Kate Collier, Vice President of Audit Services at Sempra Energy, reported on SDG&E safety related audits. Ms. Collier explained the audit process, as well as observations made by audit teams – including comparisons between 2019 and 2020. Ms. Collier also discussed the SDG&E 2021 audit plan, including the types and scopes of safety related audits.

Augie Ghio, Director of Emergency Management, and Omar Zevallos, Infra Technology Manager, presented SDG&E's communication strategies for major emergencies. They began by discussing communications methods and systems, and then covered communication risks – such as natural disasters or equipment failures – and remediations. Mr. Ghio and Mr. Zevallos also described new assets, upgrades, and technologies that SDG&E has deployed to ensure effective and uninterrupted communications.

Dan King, Assistant General Counsel for Federal Regulatory Law, Policy and Compliance, briefed the Committee on federal regulatory issues involving the critical infrastructure supply chain. Mr. King discussed recent potential security threats to critical infrastructure and government responses. He also explained NERC supply chain risk planning efforts. Lastly, Mr. King explained Executive Orders relating to the critical infrastructure supply chain and their intended effects on security risks and threats.

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<sup>6</sup> The Safety Committee members include Erbin B. Keith, Chairman; Robert J. Borthwick; and Caroline A. Winn.

Lastly, Erbin Keith, Chair of the Safety Committee, provided the following Safety Committee recommendation to SDG&E:

- SDG&E should make presentations at an upcoming Safety Committee meeting on the following topics:
  - 2021 California legislative efforts to mitigate wildfires, including Senate Bill 85.
  - SDG&E's preparations for the upcoming 2021 fire season, including the steps SDG&E is taking to ensure employee, contractor, and customer safety.

At the May 4 meeting, the Safety Committee also reviewed its Charter. No changes were deemed necessary at this time.

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

As noted in AL 3708-E, SDG&E's Safety Committee provided the following recommendations to the company at the Jan 12, 2021 meeting:

SDG&E should make presentations at upcoming Safety Committee meetings on the following topics:

- New wildfire safety technologies being deployed in 2021.
- Communications strategies for major emergencies, including strategies for dealing with potential failures of communications channels.
- Use of backup generation for PSPS events.

At the May 4 meeting, as noted above, Jonathan Woldemariam covered the first and third of these topics, while Augie Ghio and Omar Zevallos covered the second topic.

### **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 provided an update on the March 25, 2021 meeting of SDG&E's Wildfire Safety Community Advisory Council. The Council is comprised of numerous community stakeholders and meetings typically include presentations on issues surrounding wildfire mitigation and preparation as well as a roundtable discussion. The next meeting of the Council is scheduled for May 21, 2021. SDG&E will provide an update on the meeting in its next quarterly advice letter.

### **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 May 10, 2021, 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 June 1, 2021, which is within 22 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) and [SDGETariffs@sdge.com](mailto:SDGETariffs@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 and R.18-12-005, 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 – Federal & CA Regulatory



# 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: Zip:  
Telephone (xxx) xxx-xxxx:  
Facsimile (xxx) xxx-xxxx:  
Email:

Name:  
Title:  
Utility Name:  
Address:  
City:  
State: Zip:  
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  
CA. Public Avocates (CalPA)  
R. Pocta  
F. Oh  
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

Biofuels Energy, LLC  
K. Frisbie

Braun & Blaising, P.C.  
S. Blaising  
D. Griffiths

Buchalter  
K. Cameron  
M. Alcantar

CA Dept. of General Services  
H. Nanjo

California Energy Markets  
General

California Farm Bureau Federation  
K. Mills

California Wind Energy  
N. Rader

Cameron-Daniel, P.C.  
General

City of Poway  
Poway City Hall

City of San Diego  
L. Azar  
J. Cha  
D. Heard  
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H. Werner  
M. Rahman

Clean Energy Renewable Fuels, LLC  
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Commercial Energy  
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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

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Service List(s)  
R.18-10-007  
R.18-12-005

San Diego Gas & Electric Advice Letter 3752-E-A  
May 10, 2021

**ATTACHMENT A**  
**Q1 2021 Progress Update**

# SDG&E's 2021 Wildfire Mitigation Plan 1<sup>st</sup> Quarter Progress Update

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(All data as of March 31<sup>st</sup>, 2021)

# 2021 Wildfire Mitigation Plan Activities Q1 Summary



<p><b>7.3.2 – Situational Awareness &amp; Forecasting</b></p> <p><b>7.3.2.1</b> Advanced weather monitoring and weather stations</p> <p><b>7.3.2.3</b> Fault indicators for detecting faults on electric lines and equipment</p> <p><b>7.3.2.4.1</b> Fire Science &amp; Climate Adaptation Department</p>	<p><b>7.3.4 – Asset Management &amp; Inspections</b></p> <p><b>7.3.4.1</b> Detailed inspections of distribution electric lines and equipment</p> <p><b>7.3.4.2</b> Detailed inspections of transmission electric lines and equipment</p> <p><b>7.3.4.4</b> Infrared inspections of distribution electric lines and equipment</p> <p><b>7.3.4.5</b> Infrared inspections of transmission electric lines and equipment</p> <p><b>7.3.4.6</b> Intrusive pole inspections</p> <p><b>7.3.4.9.1</b> HFTD Tier 3 inspections</p> <p><b>7.3.4.9.2</b> Drone assessments of distribution infrastructure</p> <p><b>7.3.4.9.5</b> Additional transmission aerial 69kV tier 3 visual inspection</p> <p><b>7.3.4.10</b> Patrol inspections of distribution electric lines and equipment</p> <p><b>7.3.4.11</b> Patrol inspections of transmission electric lines and equipment</p> <p><b>7.3.4.14</b> Substation inspections</p>							<p><b>7.3.5 – Vegetation Management &amp; Inspections</b></p> <p><b>7.3.5.2</b> Detailed inspections of vegetation around distribution electric lines and equipment</p> <p><b>7.3.5.5</b> Fuels management and reduction of "slash" from vegetation management activities</p>
<p><b>7.3.3 – Grid Design &amp; System Hardening</b></p> <p><b>7.3.3.1</b> Capacitor maintenance and replacement program</p> <p><b>7.3.3.3</b> Covered conductor installation</p> <p><b>7.3.3.7</b> Expulsion fuse replacement</p> <p><b>7.3.3.8.1</b> PSPS sectionalizing enhancements</p> <p><b>7.3.3.8.2</b> Microgrids</p> <p><b>7.3.3.9</b> Installation of system automation equipment</p> <p><b>7.3.3.10</b> Maintenance, repair, and replacement of connectors, including hotline clamps</p> <p><b>7.3.3.11.1</b> Resiliency grant programs</p> <p><b>7.3.3.11.2</b> Standby power programs</p> <p><b>7.3.3.11.3</b> Resiliency assistance programs</p> <p><b>7.3.3.16</b> Undergrounding of electric lines and/or equipment</p> <p><b>7.3.3.17.1</b> Distribution overhead system hardening</p> <p><b>7.3.3.17.2</b> Transmission overhead system hardening</p> <p><b>7.3.3.17.3</b> Cleveland National Forest distribution and transmission system hardening</p> <p><b>7.3.3.18.1</b> Distribution communications reliability improvements</p> <p><b>7.3.3.18.2</b> Lightning arrestor removal and replacement</p>								<p><b>7.3.5.9</b> Other discretionary inspection of vegetation around distribution electric lines and equipment, beyond inspections mandated by rules and regulations</p> <p><b>7.3.5.20</b> Vegetation management to achieve clearances around electric lines and equipment</p>

# Q1 Activity Status vs 2021 Goals

## 7.3.2 – Situational Awareness and Forecasting

**7.3.2.1**  
**0**  
Weather station upgrades

**0% Advanced weather monitoring & weather station upgrades**  
**Volume vs 2021 Goal:** 0 of 25 weather station upgrades (0%)  
**Key Actions:** Equipment has been ordered and has been shipped. Upgrades are scheduled to begin in May.

**7.3.2.3**  
**10**  
Wireless fault indicators

**2% Fault indicators for detecting faults on electric lines and equipment**  
**Volume vs 2021 Goal:** 10 of 500 wireless fault indicators (2%)  
**Key Actions:** Program on time and target.

**7.3.2.4.1**  
**0**  
Cameras installed

**0% Fire Science & Climate Adaptation Department**  
**Volume vs 2021 Goal:** 0 of 17 cameras installed (0%)  
**Key Actions:** This program is scheduled to begin installations in Q2.

# Q1 Activity Status vs 2021 Goals

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

7.3.3.1  
**21**  
SCADA capacitors

**66% Capacitor maintenance and replacement program**  
Volume vs 2021 Goal: 21 of 32 SCADA capacitors (66%)  
Key Actions: Program on time and target.

7.3.3.3  
**0**  
miles CC

**0% Covered conductor installation**  
Volume vs 2021 Goal: 0 of 20 miles covered conductor (0%)  
Key Actions: One mile of covered conductor in construction. Four miles of construction scheduled to start in the next quarter.

7.3.3.7  
**202**  
Expulsion fuses

**5% Expulsion fuse replacement**  
Volume vs 2021 Goal: 202 of 3,970 expulsion fuses (5%)  
Key Actions: Program on time and target.

7.3.3.8.1  
**2**  
Sectionalizing devices

**20% PSPS sectionalizing enhancements**  
Volume vs 2021 Goal: 2 of 10 sectionalizing devices (20%)  
Key Actions: Program on time and target.

7.3.3.8.2  
**0**  
Microgrids

**0% Microgrids**  
Volume vs 2021 Goal: 0 of 2 microgrids (0%)  
Key Actions: Sherilton Valley site is moving forward with land acquisition, strategic undergrounding, and sizing of solution.

7.3.3.9  
**2**  
Circuits enabled

**25% Installation of system automation equipment**  
Volume vs 2021 Goal: 2 of 8 circuits enabled (25%)  
Key Actions: Program on time and target.

7.3.3.10  
**1,030**  
Hotline clamps

**46% Maintenance, repair, and replacement of connectors, including hotline clamps**  
Volume vs 2021 Goal: 1030 of 2,250 hotline clamps (46%)  
Key Actions: Program on time and target.

7.3.3.11.1  
**0**  
Generators

**0% Resiliency grant programs**  
Volume vs 2021 Goal: 0 of 2,000 generators (0%)  
Key Actions: Program resumes in May.

All data is up to date as of March 31<sup>st</sup>, 2021

# Q1 Activity Status vs 2021 Goals

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

**7.3.3.11.2**  
**67**  
Generators

**16% Standby power programs**  
Volume vs 2021 Goal: 67 of 413 generators (16%)  
Key Actions: Program on time and target.

**7.3.3.11.3**  
**0**  
Generators

**0% Resiliency assistance programs**  
Volume vs 2021 Goal: 0 of 1250 generators (0%)  
Key Actions: Program resumes in May.

**7.3.3.16**  
**4.38**  
Miles UG

**18% Undergrounding of electric lines and/or equipment**  
Volume vs 2021 Goal: 4.38 of 25 miles UG (18%)  
Key Actions: All projects in design.

**7.3.3.17.1**  
**16.6**  
Miles hardened

**17% Distribution overhead system hardening**  
Volume vs 2021 Goal: 17 of 100 miles hardened (17%)  
Key Actions: Program on time and target.

**7.3.3.17.2**  
**0 OH**  
**0 DUB**

**0% Transmission overhead system hardening**  
Volume vs 2021 Goal: 0 of 6.7 miles OH (0%), 0 of 2.7 miles DUB (0%)  
Key Actions: Program scheduled to resume midway through the 2<sup>nd</sup> quarter.

**7.3.3.9**  
**2.8**  
Miles Distribution OH

**41% Cleveland National Forest distribution and transmission system hardening**  
Volume vs 2021 Goal: 2.8 of 6.8 miles distribution OH (41%)  
Key Actions: This program experienced a slow start in Q1 due to heavy rain and snow in January. The remaining work is forecast to be completed by end of Q2.

**7.3.3.18.1**  
**1**  
Base stations

**10% Distribution communications reliability improvements**  
Volume vs 2021 Goal: 1 of 10 base stations (10%)  
Key Actions: DCRI program is currently on plan to hit projected 2021 metrics. Remaining base stations targeting completion in Q3/Q4 of 2021.

**7.3.3.18.2**  
**93**  
Lightning arrestors

**10% Lightning arrestor removal and replacement**  
Volume vs 2021 Goal: 93 of 924 lightning arrestors replaced (10%)  
Key Actions: Program on time and on target with 198 issued for construction.

# Q1 Activity Status vs 2021 Goals

## 7.3.4 – Asset Management and Inspections (1 of 2)

7.3.4.1  
**11,943**  
Inspections

**54%** Detailed inspections of distribution electric lines and equipment  
Volume vs 2021 Goal: 11,943 of 22,269 inspections (54%)  
Key Actions: Program on time and target.

7.3.4.2  
**620**  
Inspections

**32%** Detailed inspections of transmission electric lines and equipment  
Volume vs 2021 Goal: 620 of 1943 inspections (32%)  
Key Actions: Program on time and target. Target structures have been updated from filed 2021 WMP Update to more accurately reflect actual structure count per targeted tie lines.

7.3.4.4  
**1,241**  
Inspections

**7%** Infrared inspections of distribution electric lines and equipment  
Volume vs 2021 Goal: 1,241 of 18,000 inspections (7%)  
Key Actions: Program on time and target.

7.3.4.5  
**0**  
Inspections

**0%** Infrared inspections of transmission electric lines and equipment  
Volume vs 2021 Goal: 0 of 6166 inspections (0%)  
Key Actions: Program scheduled to resume in August. Target structures have been updated from filed 2021 WMP Update to more accurately reflect actual structure count per targeted tie lines.

7.3.4.6  
**4,543**  
Inspections

**46%** Intrusive pole inspections  
Volume vs 2021 Goal: 4,543 of 9,796 inspections (46%)  
Key Actions: Program on time and target.

7.3.4.9.1  
**10,505**  
Inspections

**97%** HFTD Tier 3 inspections  
Volume vs 2021 Goal: 10,505 of 10,815 inspections (97%)  
Key Actions: Program exceeded target.

7.3.4.9.2  
**0**  
Inspections

**0%** Drone assessments of distribution infrastructure  
Volume vs 2021 Goal: 0 of 22,000 inspections (0%)  
Key Actions: Program scheduled to resume in April.

7.3.4.9.5  
**0**  
Inspections

**0%** Additional transmission aerial 69kV tier 3 visual inspection  
Volume vs 2021 Goal: 0 of 1654 inspections (0%)  
Key Actions: Program resumes in August. Target structures have been updated from filed 2021 WMP Update to more accurately reflect actual structure count per targeted tie lines.

All data is up to date as of March 31<sup>st</sup>, 2021

# Q1 Activity Status vs 2021 Goals

## 7.3.4 – Asset Management and Inspections (2 of 2)

7.3.4.10  
**28,005**  
Inspections

**33%** Patrol inspections of distribution electric lines and equipment  
**Volume vs 2021 Goal:** 28,005 of 86,000 inspections (33%)  
**Key Actions:** Program on time and target.

7.3.4.11  
**3,989**  
Inspections

**63%** Patrol inspections of transmission electric lines and equipment  
**Volume vs 2021 Goal:** 3989 of 6324 inspections (63%)  
**Key Actions:** Program on time and target. Target structures have been updated from filed 2021 WMP Update to more accurately reflect actual structure count per targeted tie lines.

7.3.4.14  
**95**  
Inspections

**29%** Substation inspections  
**Volume vs 2021 Goal:** 95 of 330 inspections (29%)  
**Key Actions:** Program on time and target.

# Q1 Activity Status vs 2021 Goals

## 7.3.5 – Vegetation Management and Inspections

**7.3.5.2**  
**110,315**  
Trees inspected

**24%** Detailed inspections of vegetation around distribution electric lines and equipment  
**Volume vs 2021 Goal:** 110,315 of 455,000 trees inspected (24%)  
**Key Actions:** Program on time and target.

**7.3.5.5**  
**0**  
Poles cleared

**0%** Fuels management and reduction of "slash" from vegetation management activities  
**Volume vs 2021 Goal:** 0 of 500 poles cleared (0%)  
**Key Actions:** Program in transition from Environmental Services to Vegetation Management and is being scoped. Clearing activities to resume in Q3 as expected.

**7.3.5.9**  
**3,137**  
Trees trimmed/removed

**18%** Other discretionary inspection of vegetation around distribution electric lines and equipment, beyond inspections mandated by rules and regulations  
**Volume vs 2021 Goal:** 3,137 of 17,000 trees trimmed/removed (18%)  
**Key Actions:** Program on time and target.

**7.3.5.20**  
**21,869**  
Poles brushed

**62%** Vegetation management to achieve clearances around electric lines and equipment  
**Volume vs 2021 Goal:** 21,869 of 35,500 poles brushed (62%)  
**Key Actions:** Program on time and target.