

SDG&E's 2023 Wildfire Mitigation Plan 1st Quarter Progress Update

(All data as of March 31st, 2023)

2023 Wildfire Mitigation Plan Activities Q1 Summary



8.1 - Grid Design, Operations, & Maintenance

8.1.2.1 Distribution OH Hardening - Covered Conductor WMP.455	8.1.2.2 Strategic Undergrounding WMP.473	8.1.2.5.1 Distribution OH System Hardening WMP.475	8.1.2.5.2 Transmission OH Hardening WMP.543	8.1.2.5.2 Transmission OH Hardening - Distribution Underbuild WMP.545	8.1.2.8.1 Advanced Protection WMP.463	8.1.2.8.2 Early Fault Detection WMP.1195	8.1.2.8.3 Distribution communications reliability improvements WMP.549	8.1.4.3 Capacitor maintenance and replacement program WMP.453
8.1.4.4 Expulsion fuse replacement WMP.459	8.1.4.5 Maintenance, repair, and replacement of connectors, incl. hotline clamps WMP.464	8.1.4.6 Lightning arrester removal and replacement WMP.550	8.1.2.10.1 Avian Protection WMP.972	8.1.2.10.2 Strategic Pole Replacement Program WMP.1189	8.1.2.11.1 PSPS sectionalizing enhancements WMP.461	8.1.2.11.2 Fixed Power Backup WMP. 468	8.1.3.1 Distribution Overhead Detailed Inspections WMP.478	8.1.3.2 Transmission Overhead Detailed Inspections WMP.479
8.1.3.3 Distribution Infrared Inspections WMP.481	8.1.3.4 Transmission Infrared Inspections WMP.482	8.1.3.5 Distribution wood pole intrusive WMP.483	8.1.3.6 Transmission wood pole intrusive WMP.1190	8.1.3.7 Drone Assessments WMP.552	8.1.3.8 Distribution Overhead Patrol Inspections WMP.488	8.1.3.9 Transmission Overhead Patrol Inspections WMP.489	8.1.3.10 Transmission 69kV Tier 3 Visual Inspections WMP.555	8.1.3.11 Substation Patrol inspections WMP.492
8.1.6.1 QA/QC of Transmission Inspections WMP.1191	8.1.6.2 QA/QC of Distribution Detailed Inspections WMP.491	8.1.6.3 QA/QC of Distribution Drone Assessments WMP.1192	8.1.6.4 QA/QC of Wood Pole Intrusive (Transmission & Distribution) WMP.1193	8.1.6.5 QA/QC of Substation Inspections WMP.1194				

8.2 – Vegetation Management & Inspection

8.2.2.1 Detailed Vegetation Inspections WMP.494
8.2.3 Vegetation and Fuels Management WMP.497
8.2.2.2 Off-Cycle patrol WMP.508
8.2.3.1 Pole Clearing WMP.512
8.2.3.3 Clearance WMP.501
8.2.5 QA/QC WMP.505

8.3 – Situational Awareness & Forecasting

8.3.2.1.3 Air Quality Index WMP.970
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Q1 Activity Status vs 2023 Goals



8.1 – Grid Design, Operations, and Maintenance

8.1.2.1
3.78
Miles

6% Distribution OH Hardening - Covered Conductor
Volume vs 2023 Goal: 3.78 of 60 miles covered conductor (6%)
Key Actions: Program on track.

8.1.2.2
4.38
Miles

5% Strategic Undergrounding
Volume vs 2023 Goal: 4.38 of 84.43 miles UG (5%)
Key Actions: Program on track.

8.1.2.5.1
1.31
Miles

69% Distribution overhead system hardening
Volume vs 2023 Goal: 1.31 of 1.9 miles hardened (69%)
Key Actions: Program on track.

8.1.2.5.2
3.36
Miles

24% Transmission overhead system hardening
Volume vs 2023 Goal: 3.36 of 14.1 miles hardened (24%)
Key Actions: Program on track.

8.1.2.5.2
1.07
Miles

15% Overhead transmission fire hardening (Distribution Underbuilt)
Volume vs 2023 Goal: 1.07 of 7.1 miles hardened (15%)
Key Actions: Program on track.

8.1.2.8.1
0
Circuits

0% Advanced Protection
Volume vs 2023 Goal: 0 of 5 circuits enabled (0%)
Key Actions: Program not started.

8.1.2.8.2
0
Nodes

0% Early Fault Detection
Volume vs 2023 Goal: 0 of 60 nodes enabled (0%)
Key Actions: Program not started.

8.1.2.8.3
2
Base Stations

6% Distribution communications reliability improvements
Volume vs 2023 Goal: 2 of 35 base stations (6%)
Key Actions: Program on track.

8.1.4.3
7
Capacitors

47% Capacitor maintenance and replacement program - SCADA capacitors
Volume vs 2023 Goal: 7 of 15 SCADA capacitors (47%)
Key Actions: Program on track.

8.1.4.4
2
Fuses

5% Expulsion fuse replacement
Volume vs 2023 Goal: 2 of 40 expulsion fuses (5%)
Key Actions: Program on track.

Q1 Activity Status vs 2023 Goals



8.1 – Grid Design, Operations, and Maintenance (2 of 4)

<p>8.1.4.5 71 Hotline Clamps</p>	<p>28% <u>Maintenance, repair, and replacement of connectors, including hotline clamps</u> Volume vs 2023 Goal: 71 of 250 hotline clamps (28%) Key Actions: Program on track.</p>	<p>8.1.2.11.2 38 Generators</p>	<p>13% <u>Standby Power Program</u> Volume vs 2023 Goal: 38 of 300 generators (13%) Key Actions: Program on track.</p>
<p>8.1.4.6 578 Arrestors</p>	<p>31% <u>Lightning arrester removal and replacement</u> Volume vs 2023 Goal: 578 of 1,848 lightning arrestors replaced (31%) Key Actions: Program on track.</p>	<p>8.1.3.1 4,326 Structures</p>	<p>39% <u>Distribution overhead detailed inspections</u> Volume vs 2023 Goal: 4,326 of 11,100 structures inspected (39%) Key Actions: Program on track.</p>
<p>8.1.2.10.1 81 Poles</p>	<p>41% <u>Avian Protection</u> Volume vs 2023 Goal: 81 of 200 poles (41%) Key Actions: Program on track.</p>	<p>8.1.3.2 130 Structures</p>	<p>1% <u>Transmission overhead detailed inspections</u> Volume vs 2023 Goal: 130 of 2,387 structures inspected (1%) Key Actions: Program on track.</p>
<p>8.1.2.10.2 0 Miles</p>	<p>0% <u>Strategic Pole Replacement Program</u> Volume vs 2023 Goal: 0 of 60 poles (0%) Key Actions: Program not started.</p>	<p>8.1.3.3 2,989 Structures</p>	<p>31% <u>Distribution Infrared Inspections</u> Volume vs 2023 Goal: 2,989 of 9,578 structures inspected (31%) Key Actions: Program on track.</p>
<p>8.1.2.11.1 0 Switches</p>	<p>0% <u>PSPS sectionalizing enhancements</u> Volume vs 2023 Goal: 0 of 10 sectionalizing devices (0%) Key Actions: Program not started.</p>	<p>8.1.3.4 0 Structures</p>	<p>0% <u>Transmission Infrared Inspections</u> Volume vs 2023 Goal: 0 of 6,179 structures inspected (0%) Key Actions: Program not started.</p>

All data is up to date as of March 31, 2023

Q1 Activity Status vs 2023 Goals



8.1 – Grid Design, Operations, and Maintenance (3 of 4)

8.1.3.5
53
Structures

106% Distribution Wood Pole Intrusive
Volume vs 2023 Goal: 53 of 50 structures inspected (106%)
Key Actions: Program complete.

8.1.3.10
0
Structures

0% Additional Transmission Aerial 69kV Tier 3 Visual Inspection
Volume vs 2023 Goal: 0 of 1,632 structures inspected (0%)
Key Actions: Program not started.

8.1.3.6
1
Structures

1% Transmission Wood Pole Intrusive
Volume vs 2023 Goal: 1 of 73 structures inspected (1%)
Key Actions: Program on track.

8.1.3.11
92
Substations

24% Substation inspections
Volume vs 2023 Goal: 92 of 384 structures inspected (24%)
Key Actions: Program on track.

8.1.3.7
604
Structures

4% Drone assessments of distribution infrastructure
Volume vs 2023 Goal: 604 of 13,692 structures inspected (4%)
Key Actions: Program on track.

8.1.6.1
100%
Findings

100% QA/QC of Transmission Inspections
Volume vs 2023 Goal: 100% of 100% findings (100%)
Key Actions: Program on track.

8.1.3.8
24,998
Structures

29% Patrol inspections of distribution electric lines and equipment
Volume vs 2023 Goal: 24,998 of 86,880 structures inspected (29%)
Key Actions: Program on track.

8.1.6.2
8
Structures

5% QA/QC of Distribution Detailed Inspections
Volume vs 2023 Goal: 8 of 160 structures inspected (5%)
Key Actions: Program on track.

8.1.3.9
3,120
Structures

49% Patrol inspections of transmission electric lines and equipment
Volume vs 2023 Goal: 3,120 of 6,337 structures inspected (49%)
Key Actions: Program on track.

8.1.6.3
604
Structures

4% QA/QC of Distribution Drone Inspections
Volume vs 2023 Goal: 604 of 13,692 structures inspected (4%)
Key Actions: Program on track.

All data is up to date as of March 31, 2023

Q1 Activity Status vs 2023 Goals



8.1 – Grid Design, Operations, and Maintenance (4 of 4) 8.3 – Situational Awareness and Forecasting

8.1.6.4
20
Structures

167% QA/QC of Wood Pole Intrusive Inspections
Volume vs 2023 Goal: 20 of 12 structures inspected (167%)
Key Actions: Program ahead of plan.

8.3.2.1.3
2
Sensors

24% Continuous monitoring sensors - Air Quality Index
Volume vs 2023 Goal: 2 of 6 air quality sensors installed (24%)
Key Actions: Program on track.

8.1.6.5
0
Structures

0% QA/QC of Substation Inspections
Volume vs 2023 Goal: 0 of 18 structures inspected (0%)
Key Actions: Program not started.

Q1 Activity Status vs 2023 Goals



8.2 – Vegetation Management and Inspection

8.2.2.1
116,089
Inspections
24% Detailed Vegetation Inspections
Volume vs 2023 Goal: 116,089 of 485,400 trees inspected (24%)
Key Actions: Program on track.

8.2.2.2
25
Vegetation Management Areas
24% Off-Cycle Patrol Inspections
Volume vs 2023 Goal: 25 of 106 Vegetation Management Areas Completed (24%)
Key Actions: Program on track.

8.2.3
71
Poles Cleared
14% Vegetation and Fuels Management
Volume vs 2023 Goal: 71 of 500 poles cleared (14%)
Key Actions: Program on track.

8.2.3.1
13,096
Poles Brushed
25% Pole Clearing
Volume vs 2023 Goal: 13,096 of 33,010 poles brushed (25%)
Key Actions: Program on track.

8.2.3.3
2,423
Trees
22% Clearance
Volume vs 2023 Goal: 2,423 of 11,200 trees trimmed/removed (22%)
Key Actions: Program on track.

8.2.5
23,217
Inspections
20% QA/QC
Volume vs 2023 Goal: 23,217 of 72,810 inspections (20%)
Key Actions: Program on track.