



City of Colton
ELECTRIC UTILITY
Your Neighborhood Power

2025 Wildfire Mitigation Plan

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Introduction to the Colton Electric Utility

California has recently experienced a series of highly destructive wildfire seasons that have taken lives, destroyed homes, and devastated communities. The likelihood of California continuing to experience these destructive fires appears to be high since the state continues endure prolonged periods of high fire danger due to an extended drought, a near year-round fire season, a significant buildup of hazardous vegetation, and expanding development in the high fire threat areas. It is therefore of utmost importance that the Colton Electric Utility (CEU) look for ways to improve our operations to reduce the probability and consequences of wildfires.

The City of Colton, located on the Southern border of the San Bernardino metropolitan area, contains a mix of wildfire risk classes. The flat and urbanized areas in the north half of the City are not located in a High or Very High Fire Hazard Severity Zone. Only the southern half of the City contains terrain and vegetation that would support a large wildfire and is classified as a Very High Fire Hazard Severity Zone. The California Public Utilities Commission (CPUC) Fire Threat Map designates the portions of the south half of the City as Tier 2-Elevated Risk and Tier 3-Extreme; specifically, the La Loma Hills are designated Tier 2, and the San Jacinto Mountains contain Tier 2 areas on the lower slopes and Tier 3 areas on the upper slopes, ridgelines, and in canyons. Only the portions of the City in the CPUC Tier 2 or Tier 3 areas are subject to General Order, Rule 18a.

The CEU has approximately 78 miles of overhead power lines throughout the City. Approximately 10 miles are located within an area designated as a Tier 2 or Tier 3 Fire Threat area. These wires are mainly transmission wires that supply electricity to a developed area and are located along major roadways. Distribution wires that serve the businesses and homes in the high fire threat areas are largely located underground.

The CEU is aware of the areas within its territory that are at a higher risk for a destructive wildfire and the role that electrical system failures have in igniting new wildfires. The CEU has created this WMP and is dedicated to taking actions to help reduce the risk of devastating wildfires being ignited by electrical equipment in our territory, by making improvements to our operations and maintenance practices that will reduce the wildfire risks associated with our electric system.

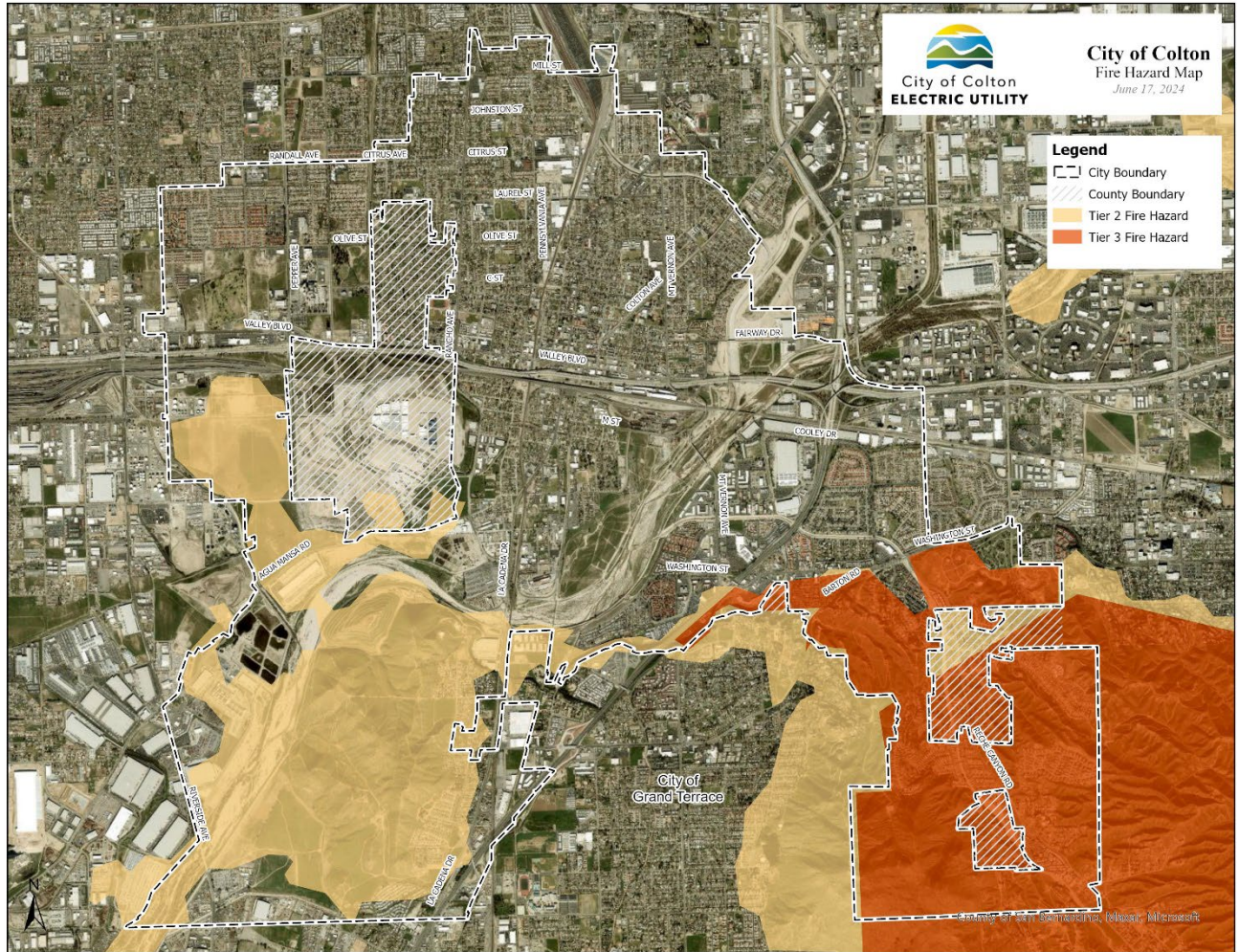


Image 1 City of Colton boundaries with CPUC Fire Hazard Tiers overlay

Section 1: Individuals Responsible for Executing WMP

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Adherence to Statutory Requirements

Program owner

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Lessons Learned and Risk Trends

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Risk, Metrics, and Underlying Data

Program owner

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Mitigation Initiatives

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Public Safety Power Shutoff

Program owner

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Section 2: Statutory Requirements

Section 2 contains a checklist of the CPUC Section 8387 requirements for a Wildfire Mitigation Plan that must be submitted by a Public Owned Utility (POU). Included in the table below is the CPUC Code reference, a brief description of the Code requirements, and where within this WMP the CEU describes the process for meeting the requirement.

PUC 8387	Requirement Description	Location in WMP
b(2)(A)	An accounting of the responsibilities of persons responsible for executing the plan.	Section 1; Page 5
b(2)(B)	The objectives of the wildfire mitigation plan.	Section 3; Page 8
b(2)(C)	A description of the preventive strategies and programs to be adopted by the local publicly owned electric utility or electrical cooperative to minimize the risk of its electrical lines and equipment causing catastrophic wildfires, including consideration of dynamic climate change risks.	Section 4; Page 10
b(2)(D)	A description of the metrics the local publicly owned electric utility or electrical cooperative plans to use to evaluate the wildfire mitigation plan's performance and the assumptions that underlie the use of those metrics.	Section 5; Page 12
b(2)(E)	A discussion of how the application of previously identified metrics to previous wildfire mitigation plan performances has informed the wildfire mitigation plan.	Section 5; Page 12
b(2)(F)	Protocols for disabling reclosers and deenergizing portions of the electrical distribution system that consider the associated impacts on public safety, as well as protocols related to mitigating the public safety impacts of those protocols, including impacts on critical first responders and on health and communication infrastructure.	Section 6; Page 13
b(2)(G)	Appropriate and feasible procedures for notifying a customer who may be impacted by the deenergizing of electrical lines. The procedures shall direct notification to all public safety offices, critical first responders, health care facilities, and operators of telecommunications infrastructure with premises within the footprint of potential de-energization for a given event.	Section 6; Page 14
b(2)(H)	Plans for vegetation management.	Section 7; Page 15
b(2)(I)	Plans for inspections of the local publicly owned electric utility's or electrical cooperative's electrical infrastructure.	Section 8; Page 15
b(2)(J)(i,ii)	A list that identifies, describes, and prioritizes all wildfire risks, and drivers for those risks, throughout the local publicly owned electric utility's or electrical cooperative's service territory. The list shall include, but not be limited to, both of the following:	Section 9; Page 16
	(i) Risks and risk drivers associated with design, construction, operation, and maintenance of the local publicly owned electric utility's or electrical cooperative's equipment and facilities.	
	(ii) Particular risks and risk drivers associated with topographic and climatological risk factors throughout the different parts of the local publicly owned electric utility's or electrical cooperative's service territory.	

b(2)(K)	Identification of any geographic area in the local publicly owned electric utility's or electrical cooperative's service territory that is a higher wildfire threat than is identified in a commission fire threat map, and identification of where the commission should expand a high fire-threat district based on new information or changes to the environment.	Section 10; Page 17
b(2)(L)	A methodology for identifying and presenting enterprise-wide safety risk and wildfire-related risk.	Section 11; Page 18
b(2)(M)	A statement of how the local publicly owned electric utility or electrical cooperative will restore service after a wildfire.	Section 12; Page 18
b(2)(N) (i,ii,iii)	A description of the processes and procedures the local publicly owned electric utility or electrical cooperative shall use to do all of the following:	Section 13; Page 18
	(i) Monitor and audit the implementation of the wildfire mitigation plan.	
	(ii) Identify any deficiencies in the wildfire mitigation plan or its implementation and correct those deficiencies.	
	(iii) Monitor and audit the effectiveness of electrical line and equipment inspections, including inspections performed by contractors, that are carried out under the plan, other applicable statutes, or commission rules.	

A. INFORMATION ABOUT ELECTRICAL UTILITY

Table 1: Context-Setting Information

Utility Name		
Service Territory Size	16 square miles	
Owned Assets	<input checked="" type="checkbox"/> Transmission <input checked="" type="checkbox"/> Distribution <input checked="" type="checkbox"/> Generation	
Number of Customers Served	19,637	
Population Within Service Territory	54,000 estimate based upon census	
Customer Class Makeup	<i>Number of Accounts</i>	<i>Share of Total Load (MWh)</i>
	Residential 17,462	32.99% Residential
	Commercial 1,879	20.04% Commercial
	Industrial 64	44.88% Industrial
	Municipal 232	1.43% Municipal
Service Territory Location/Topography ¹	X % Urban	
Service Territory	See attached map.	

¹ This data shall be based on the California Department of Forestry and Fire Protection, California Multi-Source Vegetation Layer Map, depicting WHR13 Types (Wildlife Habitat Relationship classes grouped into 13 major land cover types) available at:

<https://www.arcgis.com/home/item.html?id=b7ec5d68d8114b1fb2bfbf4665989eb3>.

Wildland Urban Interface ² (based on total area)	
Percent of Service Territory in CPUC High Fire Threat Districts (based on total area)	Includes maps Tier 2: 22% Tier 3: 16%
Prevailing Wind Directions & Speeds by Season	
Miles of Owned Lines Underground and/or Overhead	Overhead Dist.: 77 prim mi, 52 sec mi, 69 serv mi = 198 total mi Overhead Trans.: 11 miles Underground Dist.: 97 prim mi, 56 sec mi, 117 serv mi = 270 total mi Underground Trans.: Not Applicable
	Explanatory Note 1 - Methodology for Measuring "Miles": None
	Explanatory Note 2 – Description of Unique Ownership Circumstances: None
	Explanatory Note 3 – Additional Relevant Context: None
Percent of Owned Lines in CPUC High Fire Threat Districts	<i>Overhead Distribution Lines as % of Total Distribution System (Inside and Outside Service Territory)</i>
	Tier 2: 8 mi inside, 190 mi outside, 198 total mi, 0.04% Tier 3: 4 mi inside, 266 mi outside, 270 total mi, 0.01%
	<i>Overhead Transmission Lines as % of Total Transmission System (Inside and Outside Service Territory)</i>
	Tier 2: 3 mi inside, 8 mi outside, 11 total mi, 27.0% Tier 3: 0 mi inside, 11 mi outside, 11 total mi, 0.00%
Customers have ever lost service due to an IOU PSPS event?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Customers have ever been notified of a potential loss of service to due to a forecasted IOU PSPS event?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Has developed protocols to pre-emptively shut off electricity in response to elevated wildfire risks?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No.
Has previously pre- emptively shut off	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

² This data shall be based on the definitions and maps maintained by the United States Department of Agriculture, as most recently assembled in *The 2010 Wildland-Urban Interface of the Conterminous United States*, available at https://www.fs.fed.us/nrs/pubs/rmap/rmap_nrs8.pdf.

electricity in response to elevated wildfire risk?	If yes, then provide the following data for calendar year 2024
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Section 3: The Objectives of the WMP

To meet the requirements of PUC 8387 to “construct, maintain, and operate its electrical lines and equipment in a manner that will minimize the risk of wildfire posed by those electrical lines and equipment,” the objectives of this WMP are:

1. Hardening Equipment and Facilities in the high-risk areas to reduce the risk of equipment failure igniting a fire: Upgrading or making replacements to equipment within Tier 2 and Tier 3 areas.
2. Equipment failure through early fault and condition detection: Equipment and Vegetation Inspection Programs: routine above ground equipment inspections and repair programs combined with enhanced inspections in the high threat areas during extreme weather conditions.
3. Preventing tree and vegetation contact with energized wires and equipment: Tree trimming and vegetation management programs.
4. Enhanced Situational Awareness: Monitoring area weather conditions and working with Southern California Edison (SCE) to give advanced warning of extreme weather events, elevated fire danger conditions, and planned Public Safety Power Shutoff (PSPS) events.

Table 2: WMP Objective Timelines

WMP Objective	Before next Annual Update	Within Next 3 Years	Within Next 10 Years
Hardening Equipment	<ul style="list-style-type: none"> • Installation of Dielectric Line Protection devices in Reche Canyon • Conversion of wood pole structures to fiberglass in Reche Canyon. 	<ul style="list-style-type: none"> • Installation of Dielectric Line Protection devices in Tier 2 and Tier 3 areas • Conversion of wood pole structures to fiber in Tier 2 and Tier 3 areas. 	<ul style="list-style-type: none"> • Installation of Re-closer at Water Booster Station in Reche Canyon • Acquisition of emergency generators for critical infrastructure in Tier 2 & Tier 3 areas.
Early Detection	<ul style="list-style-type: none"> • Pole and equipment inspection in the 	<ul style="list-style-type: none"> • Complete system wide pole inspection. 	<ul style="list-style-type: none"> • Annual aerial inspections by drone of Aqua

	<p>Tier 2 and Tier 3 areas.</p> <ul style="list-style-type: none"> • Repair and replacement of faulty or damaged equipment. • Inspection of all adjacent and overhanging vegetation near overhead wires in Tier 2 & 3 areas 	<ul style="list-style-type: none"> • Repair and replacement of damaged and faulty equipment prioritized based on location. • Enhanced pole testing for all poles in the Tier 2 and Tier 3 areas. • Improved tracking of equipment failures. 	<p>Mensa corridor and Reche canyon overhead wires.</p>
Vegetation Management	<ul style="list-style-type: none"> • Completion of annual vegetation management around poles in Tier 2 and Tier 3 areas. • Completion of tree trimming in Tier 2 and Tier 3 areas. • Increased inspection and trimming programs in Reche Canyon 	<ul style="list-style-type: none"> • Completion on annual vegetation management around poles in Tier 2 and Tier 3 areas. • Completion of tree trimming in Tier 2 and Tier 3 areas. 	<ul style="list-style-type: none"> • Completion on annual vegetation management around poles in Tier 2 and Tier 3 areas. • Completion of tree trimming in Tier 2 and Tier 3 areas.
Situational Awareness	<ul style="list-style-type: none"> • Monitoring for extreme weather events and activations of operations performance level based on fire danger. • Increased inspections in Tier 2 and Tier 3 areas during high fire danger. 	<ul style="list-style-type: none"> • Continue weather monitoring and coordination with local fire authority for operations performance levels. • Implement customer notification system for SCE PSPS and local disruptions. 	<ul style="list-style-type: none"> • Develop programs in coordination with SCE for PSPS events.

Section 4: Preventive Strategies and Programs

The CEU has implemented several system-wide programs and programs specifically in the high fire threat areas to address the risk of wildfire in their territory. These strategies are intended to reduce the risks of their equipment igniting a wildfire by addressing the wildfire risks identified in section 9 “Risks and Risk Drivers. Within the Tier 2 and Tier 3 areas, CEU relies on implementation of situational awareness protocols and elevated operational procedures including coordination with the Colton Fire Department (CFD), the regional emergency communication agency ([CAL FIRE](#)), and the National Weather Service to determine when extreme weather conditions are anticipated. When extreme weather conditions have been declared, CEU upgrades its operational performance to one of the levels below:

Table 3: CEU Operational Readiness Levels

Level	Performance
Normal	No changes to operations or work policy are required
Elevated	Initiation of physical inspection patrols in the Reche Canyon area
Red Flag	An additional crew is assigned to patrol the Reche Canyon area twice daily

Enhanced inspections of overhead equipment during extreme weather events: During periods of high fire danger, CEU staff perform daily physical inspections for all of their above ground infrastructure in the high fire threat areas.

Enhanced vegetation management around poles: The CEU has expanded its vegetation management program to include the clearance of flammable vegetation from around the base of its poles and equipment. Vegetation inspections are performed more frequently within the Tier 2 and Tier 3 areas.

Enhanced tree trimming near overhead wires: The CEU has implemented a more frequent tree inspection program in the Tier 2 and Tier 3 areas. Trees trimming for utility line clearance exceeds the requirements of the Public Utilities Code (PUC) based on the assessment of the tree’s likelihood of interfering with the adjacent wires.

Hardening of equipment: The CEU has an ongoing upgrade and replacement program of its equipment within the Tier 2 and Tier 3 areas.

- Where overhead vegetation risks exist, dielectric line protection measures are being installed (insulated blanket and wire covers). Currently installations are occurring in the Reche Canyon area.
- Conversion of wood cross-arms to fiberglass with instigation wrappers.
- The installation of re-closers within the Tier 2 and Tier 3 with a goal to install a re-closer at the water booster stations.

Section 5: Metrics Used to Evaluate WMP Performance

5.1 Current Metrics Used by the WMP

The CEU uses three metrics to evaluate the effectiveness of the WMP; 1) number of incidents of wires down, 2) number of vegetation contacts with equipment, and 3) the number of new ignitions caused by electrical equipment.

These metrics are based on the assumption that downed wires and vegetation contacts with equipment are indicators of the need for increased inspections and maintenance leading to increased risk exposure within the transmission and distribution system.

These metrics allow the CEU to evaluate the potential fire ignition risks in their electrical system by tracking the overall number of incidents that have the potential to ignite a fire as well as the number of actual ignitions that occurred. This data is then used to determine if the existing mitigation strategies are working to reduce the overall risk. Tracking the specific cause of a wire down or vegetation contact where the information is available will be used to update current mitigation strategies or create a new strategy if appropriate.

5.2 Effectiveness of Previously Identified Metrics

The previous WMP identified that tree or vegetation contact with wires is a risk factor for causing equipment failure but did not identify this as a metric with the Plan. Similarly, the metric related to ignitions resulting from equipment was not useful since the CEU has no recorded incidents of fire. Developing an additional metric that identifies the potential fire ignition risks that may occur in the system was determined to be necessary for an additional level of risk prevention.

5.3 Evaluation of the Plan

A. Metrics and Assumptions for Measuring Plan Performance

CEU tracks external risk metrics, performance metrics, and outcome metrics to measure the effectiveness of this Wildfire Mitigation Plan. The external risk factors that CEU tracks provides context regarding the relative risks that impact the utility that are outside of CEU's control, such as red flag days, high wind events, and the number of customers that are moving to areas of higher fire risk. The performance metrics that CEU tracks are leading indicators that describe actions that are intended to reduce the risk of utility caused wildfires, such as inspections and routine vegetation management. The outcome metrics tracked by CEU are lagging indicators that measure outcomes that may be associated with an increased risk of utility-caused wildfires. These outcome metrics include outages, ignitions, and level 1 safety hazards.

Table 4: External Risk Metrics

Metric type	External Risk Event	2021	2022	2023	2024	Unit(s)	Comments
1. Red Flag Warnings	Red Flags Warning Days* for Weather Zone that includes Utility Service Territory					#Days	
2. Wind Conditions	High Wind Warning Days* in Weather Zone that includes Utility Service Territory					#Days	
Notes: * Red Flag Warnings and High Wind Warnings are declared by the National Weather Service.							

Table 5: Performance Metrics

Metric type	Progress metric name	(Actual) 2021	(Actual) 2022	(Actual) 2023	(Actual) 2024	(Forecast) 2025	Unit(s)	Comments
1. Distribution Inspections	Patrol Inspections Scheduled				12	12	# circuit miles	Patrol Inspections in wildfire mitigation areas are conducted weekly.
	Patrol Inspections Performed						# circuit miles	Patrol Inspections are conducted weekly.
	Detailed Inspections Scheduled				0	4	# circuit miles	Detailed Inspections were last completed in this area on 05/22 and are done every 5 years.
	Detailed Inspections Performed						# circuit miles	Detailed Inspections were last completed in this area on 05/22 and are done every 5 years.
	Routine Vegetation Management Scheduled				As needed	As needed	# circuit miles	Checked during weekly Patrol Inspections.
	Routine Vegetation Management Performed						# circuit miles	Completed as needed, per weekly Patrol Inspection

2. Transmission Inspections	Patrol Inspections <i>Scheduled</i>				3	3	# circuit miles	Patrol Inspections in wildfire mitigation areas are conducted weekly.
	Patrol Inspections <i>Performed</i>						# circuit miles	Patrol Inspections are conducted weekly.
	Detailed Inspections <i>Scheduled</i>				0	3	# circuit miles	Detailed Inspections were last completed in this area on 05/22 and are done every 5 years.
	Detailed Inspections <i>Performed</i>						# circuit miles	Detailed Inspections were last completed in this area on 05/22 and are done every 5 years.
	Routine Vegetation Management <i>Scheduled</i>				As needed	As needed	# circuit miles	Checked during weekly Patrol Inspections.
	Routine Vegetation Management <i>Performed</i>						# circuit miles	Completed as needed, per Patrol Inspection.

Notes:

Table 6: Outcome Metrics

Event Category	Cause category	2019	2020	2021	2022	2023	2024	Unit(s)	Comments
Outage Event - Distribution	Contact from object - Distribution (non-vegetation)	0	0	0	0	0	0	# outages	
	Vegetation caused - Distribution	0	0	0	0	0	0	# outages	
	Equipment / facility failure - Distribution	0	0	0	0	0	2	# outages	2024- transformer replacement and blown straight splice.
	Wire-to-wire contact - Distribution	0	0	0	0	0	0	# outages	
	Contamination - Distribution	0	0	0	0	0	0	# outages	
	Utility work / Operation	0	0	0	1	3	3	# outages	These were Planned Outages; 2022 - 1 and 2023 - 2 for SCE, pole change outs. 2023 - 1 CEU padmount transformer replacement. 2024 - Planned Outages for 1. 1 SCE pole replacement 2. 2 - SCE pole replacements, 1 - CEU replace KPF Switch with Inertia Switch same night 3. 1 - SCE pole

Table 6: Outcome Metrics

Event Category	Cause category	2019	2020	2021	2022	2023	2024	Unit(s)	Comments
									replacement, CEU cable replacement same night.
	Vandalism / Theft - Distribution	0	0	0	0	0	0	# outages	
	Other- Distribution	0	0	0	0	0	3	# outages	2024 – Blown cut-out fuses due to extreme weather (heat).
	Unknown- Distribution	0	0	0	0	0	0	# outages	
Outage Event - Transmission	Contact from object - Transmission	0	0	0	0	0	0	# outages	
	Vegetation caused - Transmission	0	0	0	0	0	0	# outages	
	Equipment / facility failure - Transmission	0	0	0	0	0	0	# outages	
	Wire-to-wire contact - Transmission	0	0	0	0	0	0	# outages	
	Contamination - Transmission	0	0	0	0	0	0	# outages	
	Utility work / Operation	0	0	0	0	0	0	# outages	
	Vandalism / Theft - Transmission	0	0	0	0	0	0	# outages	
	Other- Transmission	0	0	0	0	0	0	# outages	
	Unknown- Transmission	0	0	0	0	0	0	# outages	
Utility-Caused Ignitions* Distribution	Contact from object - Distribution	0	0	0	0	0	0	# ignitions	
	Vegetation caused - Distribution	0	0	0	0	0	0	# ignitions	
	Equipment / facility failure - Distribution	0	0	0	0	0	0	# ignitions	
	Wire-to-wire contact - Distribution	0	0	0	0	0	0	# ignitions	
	Contamination -	0	0	0	0	0	0	# ignitions	

Table 6: Outcome Metrics

Event Category	Cause category	2019	2020	2021	2022	2023	2024	Unit(s)	Comments
	Distribution								
	Utility work / Operation	0	0	0	0	0	0	# ignitions	
	Vandalism / Theft - Distribution	0	0	0	0	0	0	# ignitions	
	Other- Distribution	0	0	0	0	0	0	# ignitions	
	Unknown- Distribution	0	0	0	0	0	0	# ignitions	
Utility-Caused Ignitions*	Contact from object - Transmission	0	0	0	0	0	0	# ignitions	
Transmission	Vegetation caused - Transmission	0	0	0	0	0	0	# ignitions	
	Equipment / facility failure - Transmission	0	0	0	0	0	0	# ignitions	
	Wire-to-wire contact - Transmission	0	0	0	0	0	0	# ignitions	
	Contamination - Transmission	0	0	0	0	0	0	# ignitions	
	Utility work / Operation	0	0	0	0	0	0	# ignitions	
	Vandalism / Theft - Transmission	0	0	0	0	0	0	# ignitions	
	Other- Transmission	0	0	0	0	0	0	# ignitions	
	Unknown- Transmission	0	0	0	0	0	0	# ignitions	
Safety Hazards - Distribution**	Level 1	0	1	0	0	1	0	# hazards discovered	2020- Palm frond in line, removed immediately.
(No Outage/Ignition)	Level 2	0	0	0	0	0	0	# hazards discovered	2023- Broken crossarm, replaced immediately.
	Level 3	0	0	0	0	0	0	# hazards discovered	
Safety Hazards - Transmission**	Level 1	0	0	0	0	0	0	# hazards discovered	
(No Outage/Ignition)	Level 2	0	0	0	0	0	0	# hazards discovered	

Table 6: Outcome Metrics

Event Category	Cause category	2019	2020	2021	2022	2023	2024	Unit(s)	Comments
	Level 3	0	0	0	0	0	0	# hazards discovered	
Vegetation Management (No Outage/Ignition)	Offcycle Treatment - Distribution	0	0	0	0	0	0	# poles	
	Offcycle Treatment - Transmission	0	0	0	0	0	0	# poles	
Systemwide Information	SAIDI					0.0506	133.7	All Events, # minutes/year	
	SAIFI					0.0005	0.2	All Events, # times/year	

Notes:

* An "ignition" is deemed to occur if each of the following conditions is met: (1) a utility owned or controlled facility was associated with the fire; (2) the fire was self-propagating and of a material other than electrical and/or communication facilities; (3) the resulting fire traveled greater than one linear meter from the ignition point; and (4) the utility has knowledge that the fire occurred.

** A Level 1 Safety Hazard is defined as an immediate risk with a high potential impact to public or worker safety or to system reliability, where CEU will take corrective action immediately, either by fully repairing or by temporarily repairing and reclassifying to a lower priority.

B. Impact of Metrics on Plan

CEU reviews these metrics to identify areas of its operations and service territory that are disproportionately impacted by outages, ignitions, or level 1 safety hazards. CEU will then evaluate potential improvements to the plan or additional mitigation measures to address any such disproportionately affected areas.

C. Monitoring and Auditing the Plan

CEU staff will continuously monitor projects and metrics outlined in this WMP. Data collected will be anticipated to inform CEU staff of system improvements or areas that need additional attention. Additionally, CEU will leverage employee experience and knowledge of the CEU system to provide recommendations for system improvements. CEU staff are committed to providing safe and reliable power to the region and reducing the risk that CEU facilities could be the origin or contributing source of ignition to a wildfire anywhere within their service territory.

D. Identifying and Correcting Deficiencies in the Plan

CEU is committed to making this Plan effective and robust. However, CEU is also aware that identifying gaps and deficiencies in the Plan is a continuous process learned through experience. Once identified, any gaps or deficiencies will be corrected.

E. Monitoring the Effectiveness of the Plan

CEU strives for continuous improvement in its goal to reduce the risk of CEU facilities being the origin or contributing source of a catastrophic wildfire. CEU will continuously monitor and evaluate the wildfire mitigation efforts described in this WMP and pursue improvements in their ongoing goal of providing safe and reliable power to the region.

Section 6: De-Energizing Protocols

6.1 Protocols for Disabling Reclosers

The CEU has the authority to de-energize portions of its electrical grid and will do so at the request of a public safety official in response to a declared local emergency such as an active wildfire. However, there is no protocol for preventative or planned de-energizing portions of the electrical grid because public safety impacts outweigh the risk reduction gained by de-energizing the system. Located in the Tier 2 and Tier 3 areas of CEU's service area are several water storage reservoirs or tanks and booster stations that supply water to the community and public services in the hills and canyons on the south side of the City. These water facilities also provide the water supply to the areas with fire hydrants and thus the water supply for any fire suppression efforts. These water facilities currently do not have integrated back-up generators on-site and while they can be powered by mobile generators brought to the site, no such generators exist in the CEU's or City's inventory. Because preventative de-energizing would severely limit fire suppression efforts in the Tier 2 and Tier 3 areas, CEU does not consider pre-emptive de-energizing a

valid strategy for reducing the risk of ignition during extreme weather events.

The CEU has implemented preventative strategies that are activated during extreme weather events and periods of high fire danger that do not necessitate the need for preventative de-energizing.

6.2 Consideration of Impacts to Public Safety

The CEU imports all of its power from SCE over their 66kV transmission line from the Vista and Colton substations. SCE has developed their own WMP, which includes protocols for a preventative de-energizing of a portion of their electrical system, which will impact the City of Colton's electrical system. When SCE has determined that a planned a de-energizing event is necessary, CEU and SCE work cooperatively to reduce the impacts to customers within CEU's territory. Depending on the number of circuits interrupted, customers within the CEU's territory could see a major disruption in electrical service to critical facilities such as hospitals and police stations, as well as the water facilities in the Tier 2 and Tier 3 areas described previously. The CEU does have internal generation capacity from its Agua Mansa Power Plant, which can make up for a portion of the lost load.

6.3 Protocols for Mitigating Public Safety Impacts

In the event of a planned de-energizing event by SCE, the following protocols have been established:

- Coordination with SCE trigger events and which circuits will be de-energized and the CEU territory affected.
- Notification of public safety officials, including first responders, health care facilities, and operators of telecommunications infrastructure by phone, email, or text.
- Initiate start up and activation of the Agua Mensa Power Plant.
- Targeted notification of impacted customers through mass distribution, email, text, and phone.
- General notification through City website and message boards.

The CEU has reviewed and is familiar with SCE's WMP and the events leading to the decision of when to initiate de-energization their system.

6.4 Procedures for Customer Notification

The CEU's communication strategy is designed to provide advanced notification to customers including public safety and critical infrastructure who may be affected by a de-energization event. Advanced notice to customers will be provided only when a de-energization event has been planned by CEU. When the de-energization event has been planned by SCE, the CEU will supplement SCE's notification process with by posting the information on their website and updating field and office support staff on the pending event. CEU has developed the following notification guidelines for planned de-energization events:

- The City will post information about the de-energization event on its Facebook, Twitter, and Instagram accounts.
- The City will publish information about the de-energization in the news feed and alerts section of its homepage.
- The Environmental Conservation Division will coordinate notification with public safety agencies, critical infrastructure, and customers receiving a medical baseline allowance.

Section 7: Vegetation Management

The CEU annually inspects its entire above ground over-head infrastructure for conflicts with vegetation as well as vegetation growth surrounding CEU equipment on undeveloped properties. Within the Tier 2 and Tier 3 areas, the CEU performs additional vegetation inspections to identify risks to its equipment.

Where inspections have identified threats to the overhead wires, or where there is an accumulation of flammable vegetation near equipment, the CEU's vegetation management personnel or its contracted tree trimming service will remove it. Within the Tier 2 and Tier 3 areas the CEU's objective to maintain 10 feet of clearance between its wires and equipment and any adjacent vegetation.

Section 8: Inspections of the Electrical Infrastructure.

The CEU conducts physical inspections of its electrical infrastructure on a routine basis ensuring that every pole and the attached equipment is inspected on a three-year schedule. Equipment within the Tier 2 and Tier 3 areas is inspected more frequently during extreme weather events and during periods of high fire danger including daily inspections during red flag conditions.

Routine inspections are performed by a contractor while the inspections performed during periods of high fire danger are completed by CEU staff. These include a visual inspection of each pole to identify any infringement by other utilities on CEU owned poles or right-of-way, physical defects, potential safety hazards and deterioration of poles, cross-arms or insulators. Visual inspections of cross-arms, insulators, and conductors to identify obvious damage or non-conforming poles. Finally, all of the wooden utility poles within the CEU territory are further tested for structural strength and external shell thickness.

To assist staff with inspection of overhead lines and equipment, and to enhance the inspection capabilities, the CEU utilizes an aerial drone with the capacity for imaging in the visual and infrared spectrum.

All of CEU's equipment inspections meet or exceed GO 85 and GO 165 requirements.

Section 9: Wildfire Risks and Risk-Drivers

The majority of CEU's territory covers relatively flat terrain and fully developed urban areas of the City of Colton which is not within a CPUC defined Tier 2 or Tier 3 zone nor a CALFIRE Very High Fire Hazard Severity Zone. Only the southern half of the CEU's service territory with its hilly terrain and large undeveloped areas is located within a CALFIRE Very High Fire Hazard Severity Zone and CPUC Tier 2 and Tier 3 zones. CEU maintains above ground electrical equipment in these high fire threat areas where the potential exists for equipment failure igniting or contributing to the spread of a wildfire. The CEU has evaluated its infrastructure as well as the site conditions in these high fire threat areas and has identified the potential wildfire risks and risk drivers described below:

9.1 Design, Construction, Operation and Maintenance Related

Table 7: Risks and Risk Drivers associated with design, construction, operation, and maintenance of the CEU's electrical equipment and facilities

Risk	Specific Risk	Risk-Driver
CEU electrical system design, construction, operation, and maintenance	Foreign Contact with wire (birds, mylar balloons)	Uninsulated wires
	Equipment/Facility Failure	Three-year Inspection cycle
		Portions of the system traverse undeveloped areas with annual grass and herbaceous cover
	Vegetation contact with wires or equipment	Power line circuit pass nearby large palm trees within fall zone of dead palm fronds
		Power lines circuit passes near large trees or within the fall zone.
	De-energizing portions of the system is not a viable option	Critical facilities exist in Tier 2 and Tier 3 areas without backup generators.
	Damage to overhead wires and equipment from vehicle collisions with poles	Overhead wire circuits are located along major collector roads

9.2 Topographic and Climatological Related

Table 8: Risks and Risk Drivers associated with topographic and climatological factors

CEU territory topographic and climatological factors	Predominant vegetation within high fire threat areas is annual grass and herbaceous ground cover.	Portions of the system traverse undeveloped areas with annual grasses and herbaceous groundcover
	Local area is subject to seasonal high winds.	Portions of the system are in terrain that are susceptible to dangerous winds.

CEU territory topographic and climatological factors cont.	Local area is subject to strong thunderstorms during periods of high fire danger.	Portions of the system are located on elevated terrain or are the tallest objects in their area
	Local area is annually subject to long periods of elevated fire danger with several red flag events throughout the year.	Portions of the system are located within the Tier 2 and Tier 3 areas.
	Terrain in Reche canyon would intensify and increase rates of spread of a wildfire that began in or progressed into the canyon.	Portions of the above ground system traverse the length of the canyon.

9.3 Wildfire-related Climate Change Impacts

CEU recognizes that climate change is forecasted to increase the frequency and severity of catastrophic wildfires in California. Accordingly, CEU has reviewed relevant sources of data showing wildfire-related climate change impacts in California and specifically in San Bernadino County through the Cal-Adapt enterprise collaboration. This review included data on forecasted acres burned and wildfire probability,³ as well as extreme heat days,⁴ and extended drought.⁵ As described below, CEU has determined that CEU's service territory will remain a low risk for wildfires even when considering changes associated with wildfire risk. Further, no part of CEU's service territory will be disproportionately impacted by wildfire risks associated with climate changes in comparison to the other areas of CEU's service territory. Therefore, CEU will continue to pursue the wildfire mitigation strategies described in the Wildfire Mitigation Plan, but will continue to monitor these risks as new information becomes available.

Section 10: Identification of Geographic Areas in CEU's Service Territory with a Higher Wildfire Threat Than identified in a Commission Fire Threat Map.

The CEU has no areas within its territory that it would recommend being declared a higher fire threat level than is currently indicated by CPUC or CAL FIRE maps.

Section 11: Identifying CEU Operational Safety Risks and Wildfire Related Risks.

³ The CalAdapt Wildfire Tool is available at <https://cal-adapt.org/tools/wildfire>.

⁴ The CalAdapt Extreme Heat Days Tool is available at <https://cal-adapt.org/tools/extreme-heat>.

⁵ The CalAdapt Extended Drought Tool is available at <https://cal-adapt.org/tools/extended-drought>.

CEU routinely evaluates the potential safety risks associated with utility operations, which include severe operating conditions and contingencies that may affect system reliability. Specific events include large area-wide power outages, loss of generation capacity and contingency reserves, transmission outages, and voltage collapse.

In addition, CEU staff meet regularly to review and investigate the cause of unscheduled outages. Risk drivers such as conductors contacting foreign objects (for example, balloons or tree limbs), and equipment failure are reviewed. Potential consequences should these risks occur may include injuries to employees or the public, damage to property, impact to the reliability and operation of the electric system, and environmental damage. Outage data is assessed to identify specific causes of failures or related problems and recommendations made to engineering and operations staff should this data reveal trends (such as transformer or fuse failures).

Section 12: Restoration of Service after a Wildfire.

While CEU does not plan to initiate the de-energization of its electrical system as a preventive measure, it is recognized that as a result of an SCE initiated event or damage from a wildfire that this may occur. SCE and CEU are developing protocols for inspecting and re-energizing SCE lines that have been de-energized during extreme weather and red-flag events as a preventative measure and after a portion of the system has been damaged after a wildfire. After a de-energization event, service will be restored in coordination with SCE's restoration protocols. CEU will initiate procedures to restore power including inspecting, repairing, testing, and finally restoring.

Section 13: Monitoring and Auditing Processes

13.1 Monitoring and auditing the implementation of the WMP

In this reporting year the Electric Utility Director is responsible for ensuring that this WMP meets all the State of California guidelines to mitigate risk of its assets becoming the source of or a contributing factor of a wildfire. Staff responsible for assigned mitigation areas have the role of assessing current procedures and recommending changes or enhancements to supplement or enhance the strategies in the WMP. Deficiencies identified within the WMP will be reported to the Electric Utility Director and the Plan updated on an annual basis. The Electric Utility Director, or their designee, will be responsible for spearheading discussions on addressing deficiencies, and collaborating on solutions when updating the WMP for its annual filing.

13.2 Identification of WMP deficiencies

This WMP will also be evaluated on an annual basis for its effectiveness and adherence to statutory code requirements by a qualified independent evaluator. Revisions recommended by the independent evaluator will be incorporated into the annual update of this WMP.

13.3 Monitor and audit the effectiveness of electrical line and equipment inspections,

The CEU uses General Orders 95 (GO95), 128 (GO128) and 165 (GO165), respectively as its guide to inspect its electric supply system. Field staff routinely inspect assets within its electric service territory and identifies and performs corrective action as required. All work performed by contractors is evaluated by field staff as well. Lastly, the CEU performs an independent review of similar facilities, which are compared and reviewed with inspection personnel.

Section 14: Summary

Preventing wildfires is one of CEU's highest priorities. The risk of catastrophic injury and death as well as property loss justify taking extensive measures to prevent a wildfire. CEU's WMP was developed in conjunction with local emergency response agencies and surrounding utilities. CEU believes that this WMP identifies the major issues facing CEU, identifies a means to mitigate those issues, reduces the risk of wildfire in and around the City of Colton, and identifies how any wildfire would be managed should one begin.

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WHEREAS, the City of Colton (“ City”), a municipal corporation, is authorized under various provisions of the California Constitution and the general laws of California (including, specifically, Article XI, Section 9(a) of the California Constitution, Public Utilities Code Section 10004, and Government Code Section 39732(a) to establish, purchase and operate a public utility to furnish its inhabitants with, among other things electric; and

WHEREAS, as a municipal electric utility, CEU is generally subject to the legislative and regulatory requirements applicable to local publicly owned electric utilities (POU's); and

WHEREAS, SB 901 (stats. 2018), amending California Public Utilities Code Section 8387, requires all POU's to prepare a wildfire mitigation plan annually; and

WHEREAS, California Public Utilities Code Section 8378 (b)(3) requires each POU to present its wildfire mitigation plan at an appropriately noticed public meeting and to verify that its plan complies with all applicable rules, regulations, and standards, as appropriate; and

WHEREAS, SB 1054 (stats.2019), amending California Public Utilities Code Section 8387, requires each POU to submit its wildfire mitigation plan to the California Wildfire Safety Advisory Board annually starting in 2020: and

WHEREAS, pursuant to the direction of the California Wildfire Safety Advisory Board, CEU staff has provided supplemental information as requested by the Wildfire Safety Advisory Board; and

1 **WHEREAS**, CEU staff will submit its 2025 Wildfire Mitigation Plan adopted this day
2 by the Colton City Council to the California Wildfire Safety Advisory Board.

3 **NOW, THEREFORE BE IT RESOLVED, DETERMINED, AND ORDERED BY THE**
4 **THE CITY COUNCIL OF THE CITY OF COLTON, AS FOLLOWS:**

5 SECTION 1. CEQA Findings. Based upon the facts and information contained in the
6 administrative record, including all written and oral evidence presented to the City Council, the
7 City Council finds this action exempt pursuant to Section 1506 (b)(3) of the Guidelines for the
8 California Environmental Quality Act (CEQA) which states that a project is exempt from CEQA
9 if the activity is covered by the general rule that CEQA applies only to projects that have the
10 potential for causing a significant effect on the environment. Where it can be seen with certainty
11 that there is no possibility that the activity in question may have a significant effect on the
12 environment, the activity is not subject to CEQA. This action approves a plan for the
13 implementation of preventive strategies and mitigation measures to minimize risk of wildfires
caused by electrical lines and equipment. This action does not approve or authorize any
construction activity or a disturbance of an environmental resource. There is no possibility that
adopting the Wildfire Mitigation Plan will have a significant effect on the environment.
Therefore, the City Council finds that no further environmental review of the Wildfire Mitigation
Plan is required pursuant to CEQA and the State CEQA Guidelines.

14 SECTION 2. Adoption of Plan. The City Council hereby adopts the City of Colton
15 Electric Utility Department 2025 Wildfire Mitigation Plan, dated June 3, 2025, attached hereto
16 as Exhibit "A" and incorporated herein by reference, pursuant to California Public Utilities Code
Section 8387.

17 SECTION 3. This Resolution shall take effect immediately upon its adoption.

18 **PASSED, APPROVED AND ADOPTED THIS 3RD DAY OF JUNE 2025.**

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21 
22 **FRANK J. NAVARRO**
Mayor

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24 ATTEST:

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26 **ISAAC T. SUCHIL**
27 City Clerk
28

STATE OF CALIFORNIA)
COUNTY OF SAN BERNARDINO) ss.
CITY OF COLTON)

CERTIFICATION

I, **ISAAC T. SUCHIL**, City Clerk for the City of Colton, California, do hereby certify that the foregoing is a full, true and correct copy of **RESOLUTION NO. R-42-25**, duly adopted by the City Council of said City, and approved by the Mayor of said City, at its Regular Meeting of said City Council held on the **3rd day of June 2025**, and that it was adopted by the following vote, to wit:

AYES:	COUNCILMEMBER	Toro, Chastain, González, Echevarria, Mayor Navarro
NOES:	COUNCILMEMBER	None
ABSTAIN:	COUNCILMEMBER	None
ABSENT:	COUNCILMEMBER	None

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official seal of the City of Colton, California, this 3rd day of June, 2025.

ISAAC T. SUCHIL
City Clerk
City of Colton
(SEAL)