



REU Wildfire Mitigation Plan

REVISED DECEMBER 2019

SB901 & REU - Supporting Public Safety



Requires Electric Utilities to develop and implement a **Wildfire Mitigation Plan**



Passed in 2018 in response to recent wildfires



City Council required to approve by January 1, 2020 and **annually** thereafter

SB901 - Requirements

Roles &
Responsibilities



Objectives



Strategies &
Programs

Evaluation
Metrics



Plan Feedback



SB901 - Requirements



Power Shutoffs
& Disabling
Reclosers



Inspections

Risks &
Priorities



Vegetation
Management



Auditing the
Plan



Benefits of the Plan



Improved Community Fire Safety & Awareness



More Resilient Electric Grid



Better Communication & Notification to Customers



Enhanced Outage and Emergency Response



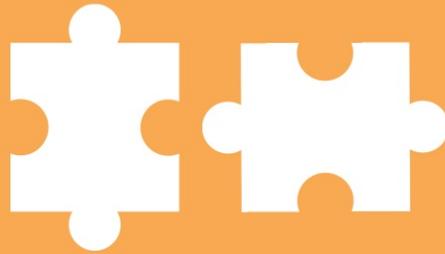
Reduction in Utility Enterprise Risk



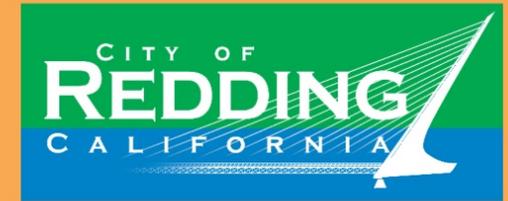
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Plan Objectives

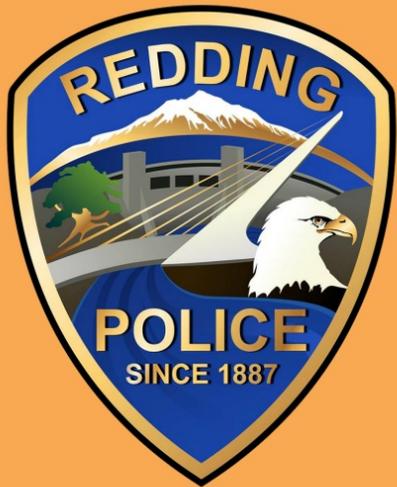
**Minimizing
Sources of
Ignition**



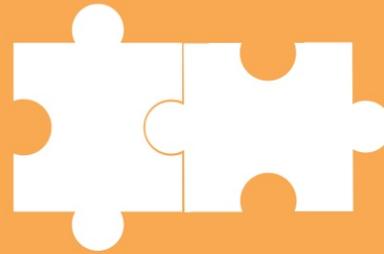
**Resiliency of
the Electric
Grid**



Working Together



Improved
Utility
Operations



Stronger
Community



Preemptive Power Shutoffs ✘

Disabling Reclosers ✔



Why No Preemptive Power Shutoffs? ✖

Our 60 sq. mile territory can be monitored adequately
Our Wildfire Prevention & Improved Response Program is a preferable mitigation

We will be increasing situational awareness and enhancing operational practices in the remaining programs described below
Shutting off power could put the community at a higher risk of wildfire

Redding provides essential regional services including fire response and medical services

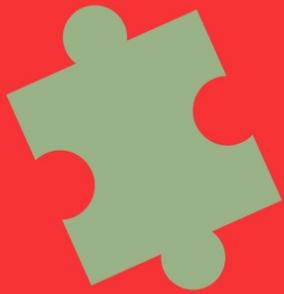
Continuous Improvement



This Plan is **Iterative** and a living document; **The Law requires the Plan to be informed by the data and metrics of the Plan execution (learn from our mistakes and successes).**



Our Eight Strategies



#1 - Vegetation
Management



#2 - Enhanced
Inspections



#3 - Situational
Awareness



#4 - Operational
Practices

Our Eight Strategies



#5 - System
Hardening



#6 - Public Safety
& Notification



#7 - Reclosing &
Deenergization



#8 - Wildfire
Response &
Recovery



REU Wildfire Mitigation Plan

We have developed FOUR PROGRAMS to implement eight strategies. One was approved in May and the other three are being presented for approval tonight



#1 - REU Wildfire Prevention & Improved Response Program

Fire prevention through fire fuels mitigation and fire response support



#2 - REU Technology Solutions Program

Improved situational awareness



#3 - REU Emergency Operations Program

Enhanced customer service during outages and other disasters

#4 - REU Distribution 10-year Capital Improvement Program

Focused system hardening for long-term grid resiliency



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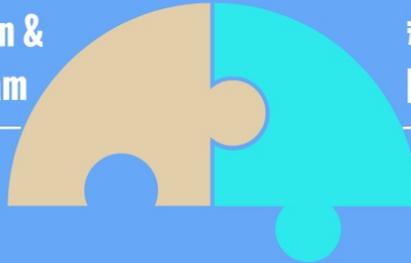
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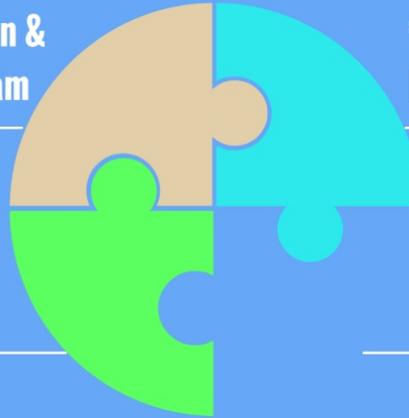
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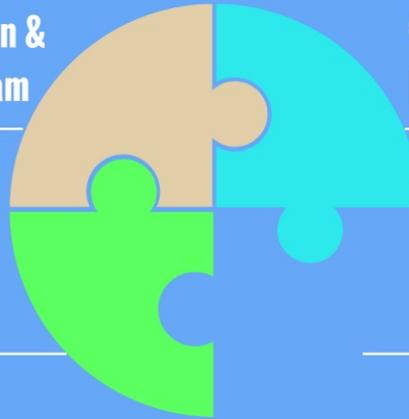
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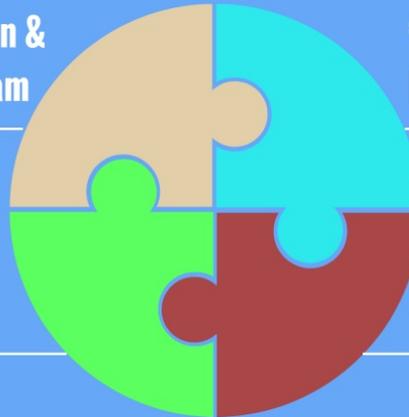
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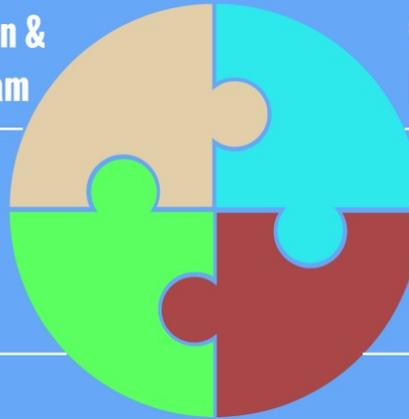
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REU Wildfire Prevention & Improved Response Program



(Approved May 2019)



GOALS:

- Prevent electric utility-caused wildfire
- Reduce response time for RFD to respond to fires that threaten REU facilities
- Increase RFD staffing to protect REU facilities
- Increase available personnel for debris removal after extreme weather events



Teamwork at Work!



Wildfire Mitigation Program

**Stand Baaack,
I Goat This**

cityofredding.org

#goatstrikeforce



REU Technology Solutions Program (New)



GOALS: Leverage technology investments to:

- Increase the speed and effectiveness of *Inspections* and resulting *System Hardening* projects
- Improve *Situational Awareness*
- Provide a Common Communications platform to improve *Wildfire Response & Recovery*
- Enhance *Operational Practices* and *Vegetation Management*
- Improve *Public Safety & Notifications*



REU Emergency Operations Program (New)



GOALS:

- Provide structured guidance for REU staff to effectively manage emergency situations
- **Scalable All-hazards approach**
- **Based on the Incident Command System (ICS)**
- **Improve inter-agency cooperation and integration as well as Public Safety & Notifications**



REU Distribution 10-year Capital



Improvement Program (New)

GOALS:

- Improve grid resiliency
- Harden the electric system
- Achieve reliability goals
- Reduce utility operations and wildfire risk
- Better service to our customers





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Staff Recommendation & Next Steps

- Approve REU's Wildfire Mitigation Plan Revised December 3, 2019
- Accept the report by the independent auditor
- Adopt a Resolution to fund the Technology Solutions Program as part of this Wildfire Mitigation Plan
- The Plan must be submitted to the California Wildfire Safety Advisory Board by July 1, 2020 and annually thereafter



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