



WILDFIRE MITIGATION PLAN 2022

Riverside Public Utilities

Board of Public Utilities

June 27, 2022

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BACKGROUND

Public Utilities Code Section 8387 :

1. Every electric utility in California is required to construct, maintain, and operate their electrical system in a manner that minimizes the risk of wildfire
2. All utilities are required to prepare a Wildfire Mitigation Plan (WMP) and update the plan annually
 - a. Content is specified and prescriptive – WMP is a compliance document
 - b. An independent evaluator with experience in assessing the safe operation of electrical infrastructure must review the WMP
 - c. WMP and the independent evaluator report must be presented at a public meeting of the utility's governing board
 - d. Reports must be posted on the utility's website
 - e. Reports must be submitted to the State's Wildfire Safety Advisory Board



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WILDFIRE MITIGATION PLAN

Identifies and addresses the following:

1. High Fire Threat Districts (HFTD) in RPU Service Territory
2. RPU electric infrastructure located within the HFTD
3. Assessment of fire risk posed by electric infrastructure
4. Preventative strategies to reduce risk
5. Customer support and communications in the event of a de-energization
6. Metrics and assessment

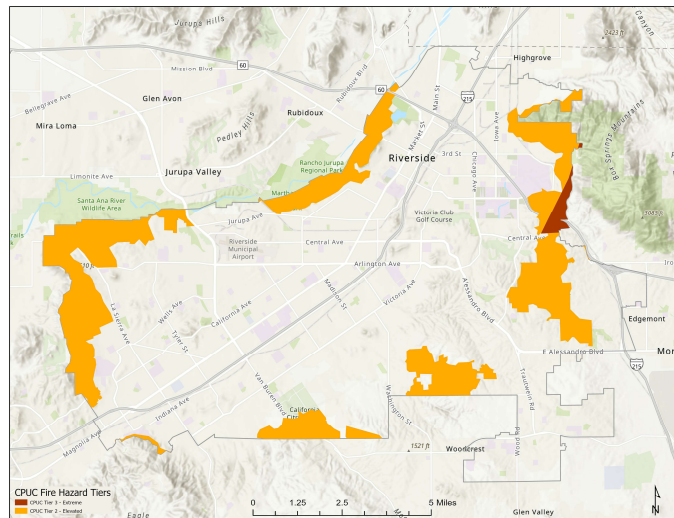


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HIGH FIRE THREAT DISTRICTS (HFTD)

1. Identified by State agencies and stakeholder including RPU and Riverside Fire
2. Fire Threat Districts
 - a. Tier 2: Areas with elevated wildfire risk
 - b. Tier 3: Areas with extreme wildfire risk (typically undeveloped natural lands)



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RPU INFRASTRUCTURE IN HFTD

| | Total | Tier 2 | | Tier 3 OH | |
|-------------------------------------|---------------|---------------|-------------|---------------|-------------|
| | Circuit-Miles | Circuit-Miles | % | Circuit-Miles | % |
| Overhead Distribution | 517 | 31.9 | 6.2% | 2.8 | 0.5% |
| Overhead Transmission* | 91 | 11.1 | 12.2% | 0.003 | 0.00% |
| Total Overhead Circuit-Miles | 608 | 43.0 | 7.1% | 2.8 | 0.5% |

*Note: SCE owns and operates seven transmission lines extending from SCE's Vista Substation. These lines comprise 22 miles of overhead transmission that feed into RPU and are not included in the table. RPU takes ownership of these lines at the boundary of its service territory. Lines in RPU territory are included in the overhead transmission of the table.



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PREVENTATIVE STRATEGIES

Design & Construction Standards

- Materials Used
- Equipment Standards

Inspections & Maintenance

- Vegetation Management
- Equipment Inspection

Operational Policies

- Reclosing
- De-Energization

Situational Awareness

- Weather Monitoring
- Cameras



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2021 PERFORMANCE

1. System and Operational Improvements
 - a. Updated substation automation systems to new real time automation controllers
 - b. Working with the Police Department's Aviation Unit to complete enhanced infrared inspections to power lines in HFTD
 - c. Updating the Standard Operating Practices for wildfire operations procedures and procedures in HFTD
2. Continue close collaboration with the Fire Department



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FIRE INCIDENT DUE TO RPU INFRASTRUCTURE

1. Occurred on July 1, 2022 at Tequesquite Park Extension
2. Fire caused by failed overhead pole switch
3. Electric Operation repaired the switch and pole crossarm
4. Inspected all poles along the line
 - a. No deficiencies found on inspected poles



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NEXT STEPS

1. Submission of the 2022 RPU WMP to the Wildfire Safety Advisory Board upon approval
2. Independent Evaluator review of WMP in 2022
3. Continue to improve evaluation tools and refine preventative strategies and metrics
4. Update the plan for 2023
 - a. Incorporate comments from the Independent Evaluator and Wildfire Safety Advisory Board 2021 review
 - b. Incorporate any identified improvements



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STRATEGIC PLAN ALIGNMENT



No. 4 Environmental Stewardship



No. 6 Infrastructure, Mobility and Connectivity

Cross-Cutting Threads



Community Trust



Fiscal Responsibility



Sustainability & Resiliency



Equity



Innovation



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RECOMMENDATION

That the Board of Public Utilities approve the Riverside Public Utilities 2022 Wildfire Mitigation Plan, Version 2, for submittal to the Wildfire Safety Advisory Board in accordance with California Public Utilities Code Section 8387.

