

APPROVAL OF THE WATER AND POWER DEPARTMENT'S 2025 WILDFIRE MITIGATION PLAN

**June 9, 2025
Item 12**





Background

Pasadena Water and Power

- PWP's Wildfire Mitigation Plan (“WMP”) proactively reduces Wildfire Risk from electrical infrastructure.
- City Council annually approves WMP updates; PWP oversees implementation (Since 2019).



Goals of the WMP

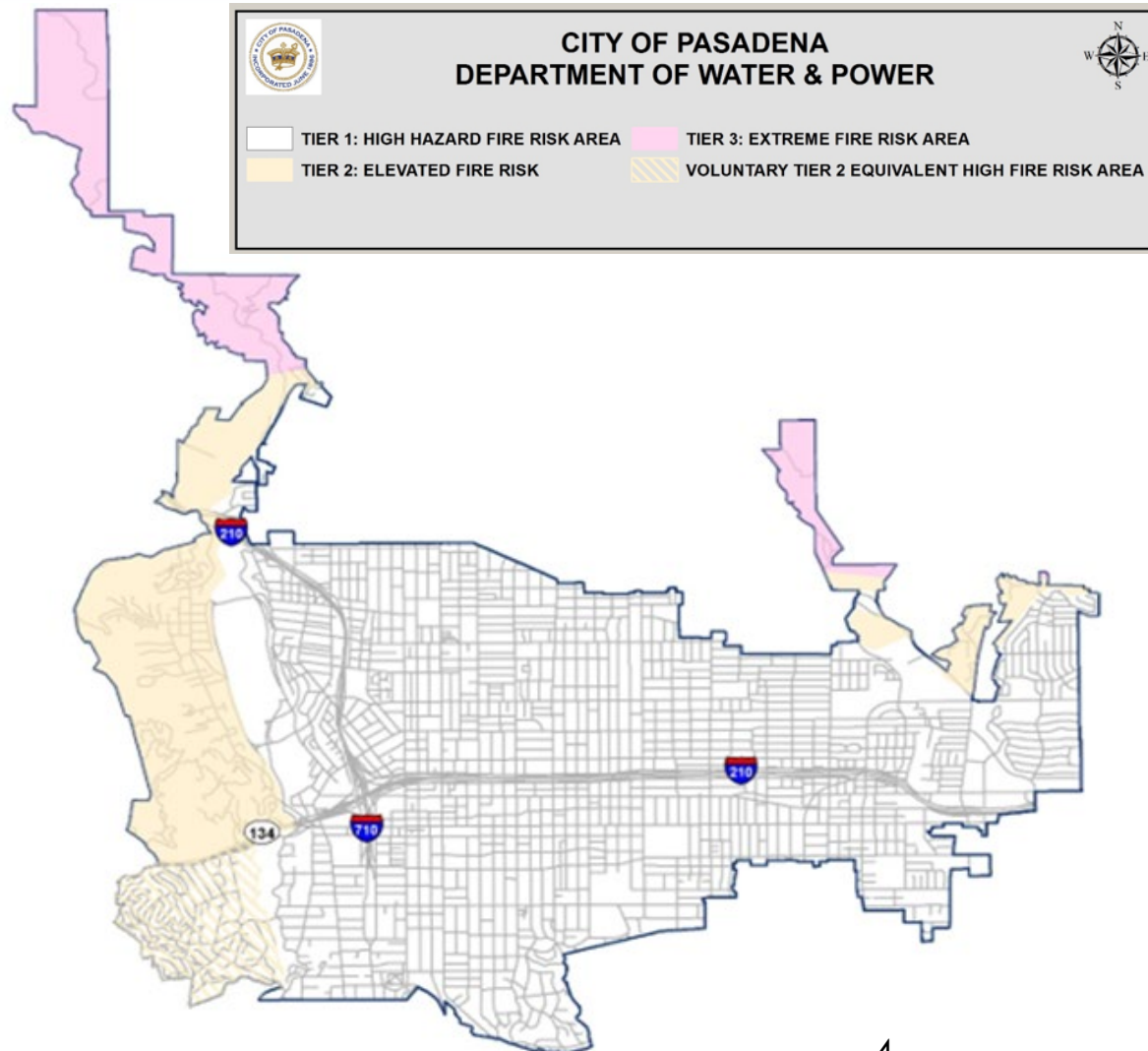
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- Proactively prevent wildfire ignition from PWP electric systems.
- Strengthen electric grid resilience for enhanced stability.
- Drive service reliability and restoration with innovative technologies.
- Continuously optimize wildfire mitigation through data-driven adaptation.



PWP Fire Threat Map

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- PWP's WMP utilizes CPUC's High Fire Threat District (HFTD) map
- Cal Fire has recently published a new Fire Hazard Severity Zone (FHSZ) map, which has not been adopted by CPUC.



Completed Projects

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- PWP has completed several key projects to harden the electrical distribution system to include:
 - > Installed 34,000 feet of covered conductors in Tier 2 Elevated Fire Risk Areas to enhance safety.
 - > Replaced 100 poles in Tier 2 Elevated Fire Risk Areas. Many with durable sectional composite poles.
 - > Converted 2,000 feet of high-voltage overhead electric system in Millard Canyon (Tier 3 Extreme Fire Risk) to low voltage, reducing fire risk.
 - > Proactively inspected and repaired 548 poles in Tier 2 Elevated Fire Risk Areas, ahead of the GO165 schedule.
 - > Enhanced vegetation management program in Tier 2 and 3 area



Ongoing and Future Projects

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- Targeted pole and transformer upgrades in Tier 2 Fire Threat Areas, based on recent inspection and modeling data.
- Enhanced vegetation management program in Tier 2 and 3 area
- Accelerated undergrounding of high-voltage lines in Canyon Close Rd. & Fox Ridge Dr. (Tier 3 Extreme Fire Risk) in FY 2026.
- Accelerated undergrounding of high voltage lines in Florecita & Crestford Dr. (Tier 3 Extreme Fire Risk) in FY 2026.



Ongoing and Future Projects

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- Underground expansion projects in the Upper Hastings Ranch area to provide underground feeds to Thomas and Don Bonito Reservoirs. Targeting FY 2027 completion
- Evaluating undergrounding of additional Tier 2 areas.
- Initiating Public Safety Power Shutoff Program Evaluation (RFP for Third-Party Analysis).



2025 WMP Update

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- California Public Utilities Code (“CPUC”) 8387 mandates annual WMP submissions to Wildfire Safety Advisory Board (“WSAB”) for review of current fire mitigation strategies.
- 2025 WMP aligns with 2024 plan and follows WSAB recommendations.



Recommendation

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- Approve the 2025 Wildfire Mitigation Plan as the operating manual for wildfire risk mitigation, fulfilling CPUC 8387 requirements.



Fiscal Impact

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- No fiscal impact.
- No impact on other programs or projects.
- No impact on General Fund.