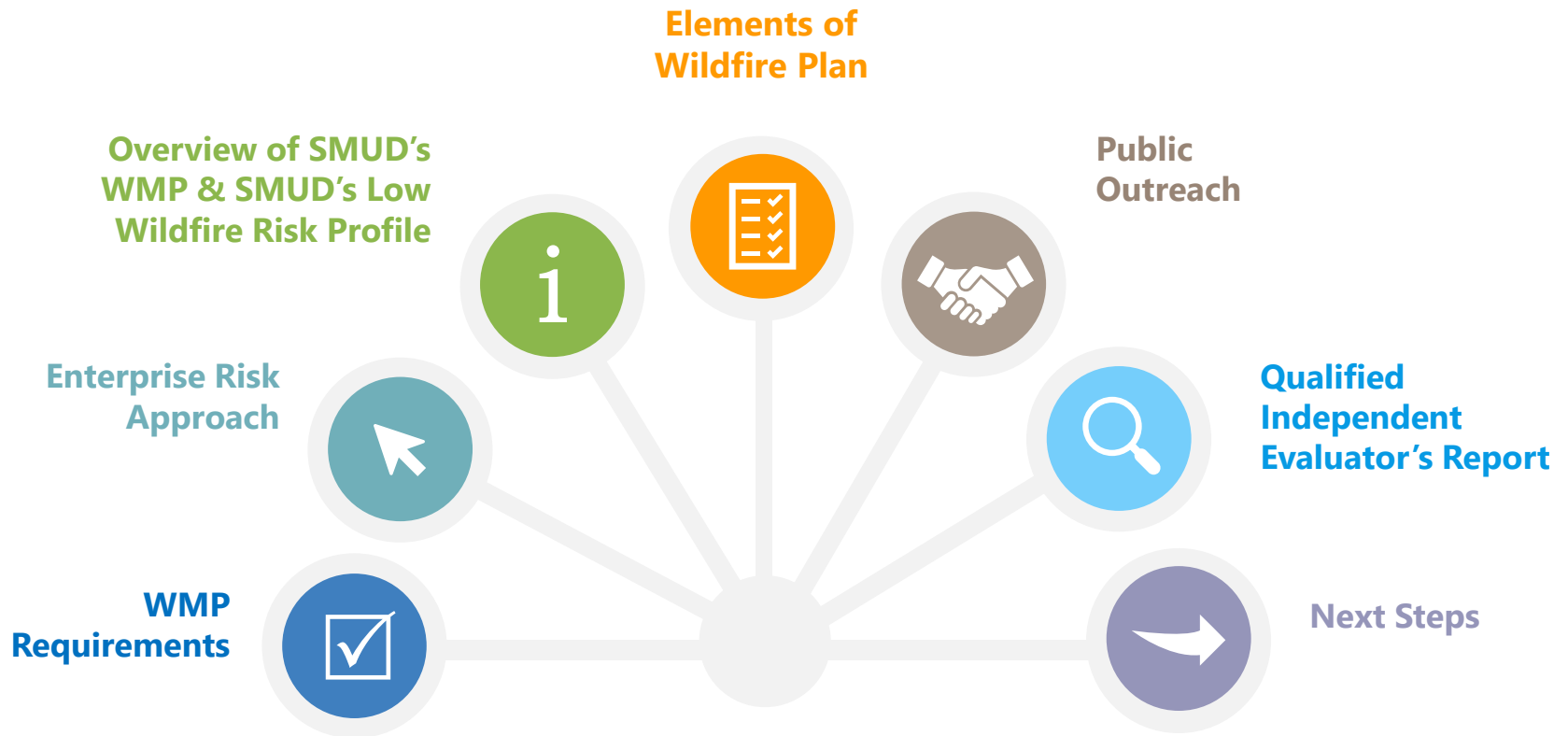


Exhibit to Agenda Item #1

Board Policy Committee Meeting and Special SMUD Board of Directors Meeting
Wednesday, September 11, 2019 scheduled to begin at 5:30 p.m.
Customer Service Center, Rubicon Room

SMUD's Wildfire Mitigation Plan (WMP)





Wildfire Mitigation Plan Requirements



Objectives &
Responsibilities



Preventative
Strategies &
Programs



Metrics



Notification &
Communication



Enterprise Risk Approach

Plan Development

- Multi-level participation
- Enterprise Risk Oversight Committee
- Director level steering group

Working team representing all business units

- Inputs
 - Existing programs
 - Industry benchmarks
 - CMUA collaboration
 - CPUC processes

Comprehensive Steering Group

- Audit and Quality Services
- Customer Care
- Distribution Operations and Maintenance
- Environmental and Real Estate Services
- Facilities and Security Operations
- Grid Operations
- Grid Planning
- IT Strategic Initiatives
- Line Assets
- Marketing and Corporate Communications
- Power Generation
- Retail Product Delivery and Sales
- Substation, Telecomm and Metering
- Sustainable Community Programs
- Treasury and Risk Management

Comprehensive assessment of key risk drivers and impacts of wildfire related to SMUD electric facilities



SMUD's Wildfire Mitigation Plan (WMP)



SMUD's priority is delivering safe, reliable, environmentally sustainable and affordable power



Minimize the probability that SMUD's transmission and distribution (T&D) system may be the origin or contributing source for the ignition of a wildfire



Implement a wildfire plan that embraces safety, prevention, mitigation and recovery as a central priority for SMUD



Create a WMP that is consistent with state law and objectives.

i

SMUD's Fire Risk

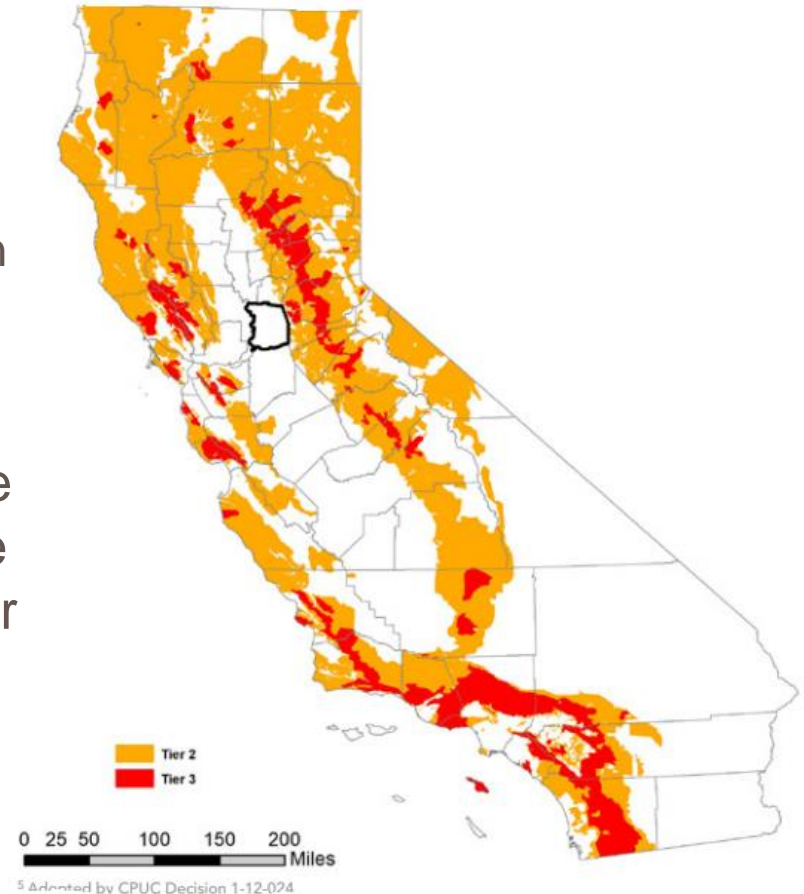


SMUD's service territory is outside CPUC High Fire Threat District.

- SMUD takes all existing risk seriously and prioritizes activities in higher fire hazard zones within its service territory



Highest wildfire risk area is outside SMUD's service territory where we maintain the Upper American River Project (UARP) in El Dorado County.
(PG&E provides electric service to end use customers in this area.)



CPUC Fire-Threat Map
Adopted January 19, 2018



Wildfire Prevention Programs



Vegetation Management & Fuels Reduction

- Pole and wire clearing
- Right of way maintenance



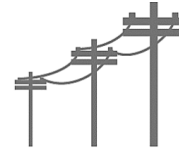
Design & Construction

- Non-expulsion equipment
- System upgrades



Inspection & Maintenance

- Aerial and ground patrols
- LiDAR and infrared technologies



Recloser & De-Energization

- Transmission and distribution protocols



Situational Awareness

- Weather stations
- Camera pilot



Education & Outage Comm.

- Critical event messaging



Expanded Mitigation Activities



SMUD is making substantial investments in wildfire prevention

- **Increased scope of vegetation management in high fire threat areas**
- **System improvement capital projects**
 - Non-expulsion devices and arresters with arc protection
 - Study to identify project to replace bare 4kV wire
- **Increased situational awareness**
 - Additional weather stations in UARP
 - Real-time situational awareness tool
- **Pilot projects**
 - Hyper spectral imagery
 - Fire monitoring cameras in UARP transmission corridor



Communications and Notifications

Emergency preparedness

- California OES Standardized Emergency Management System (SEMS)

Customer and stakeholder communications through multiple channels

- Preparing for potential fire events
- During high fire conditions
- Before, during and after an event



Plan Effectiveness

Lead Executive	Performance Metrics	Program Targets	Monitoring
<ul style="list-style-type: none">• Chief Grid Strategy and Operations Officer	<ul style="list-style-type: none">• Wire down events• Ignition events	<ul style="list-style-type: none">• Completion of vegetation clearing for lines and rights of way• Miles of line inspected	<ul style="list-style-type: none">• Operations level• Compliance and quality assurance• Internal and/or external audit



Public Outreach



SMUD website: www.smud.org/WildfireSafety



Notice to stakeholders

- First responders
- Local agencies
- Service providers
- Vulnerable populations
- Customers and communities



Public comment

- Formal period: May 3, 2019 – June 21, 2019
- Comments received (wmp@smud.org) and considered



16 Public Comments Received

- Clarifications were addressed in the final WMP draft
- Common issues raised



Distributed energy
resources



Resources during de-
energization events



Undergrounding
distribution lines

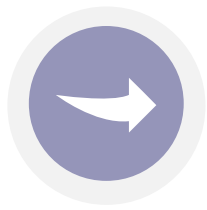


Independent Evaluator Concluded SMUD's WMP is Comprehensive



SMUD's programs meet state and federal requirements and align with industry standards and practices

✓	Inspection Program
✓	Covered Conductors
✓	Block Reclosing Protocols
✓	Non-Expulsion Equipment
✓	Metric Report
✓	Accountability for WMP
✓	Fire Threat Assessment



Next Steps



October 17, 2019

Request the Board to adopt WMP