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)

Overview of SMUD’s WMP & SMUD’s Low Wildfire Risk Profile

Enterprise Risk Approach

WMP Requirements

Elements of Wildfire Plan

Public Outreach

Qualified Independent Evaluator’s Report

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

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
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.
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
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<tbody>
<tr>
<td>- Pole and wire clearing</td>
<td>- Non-expulsion equipment</td>
<td>- Aerial and ground patrols</td>
<td>- Transmission and distribution protocols</td>
<td>- Weather stations</td>
<td>- Critical event messaging</td>
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<tr>
<td>- Right of way maintenance</td>
<td>- System upgrades</td>
<td>- LiDAR and infrared technologies</td>
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<td>- Camera pilot</td>
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Wildfire Prevention Programs
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

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<tr>
<th>Lead Executive</th>
<th>Performance Metrics</th>
<th>Program Targets</th>
<th>Monitoring</th>
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</table>
| • Chief Grid Strategy and Operations Officer | • Wire down events  
  • Ignition events | • Completion of vegetation clearing for lines and rights of way  
  • Miles of line inspected | • Operations level  
  • Compliance and quality assurance  
  • Internal and/or external audit |
Public Outreach

SMUD website:  [www.smud.org/WildfireSafety](http://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

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<th>Inspection Program</th>
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<tr>
<td>✓</td>
<td>Covered Conductors</td>
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<td>Block Reclosing Protocols</td>
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<td>✓</td>
<td>Non-Expulsion Equipment</td>
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<td>Metric Report</td>
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<td>✓</td>
<td>Accountability for WMP</td>
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<td>✓</td>
<td>Fire Threat Assessment</td>
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October 17, 2019
Request the Board to adopt WMP