

DOCKETED

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Climate Adaptation and Utility Wildfire Prevention

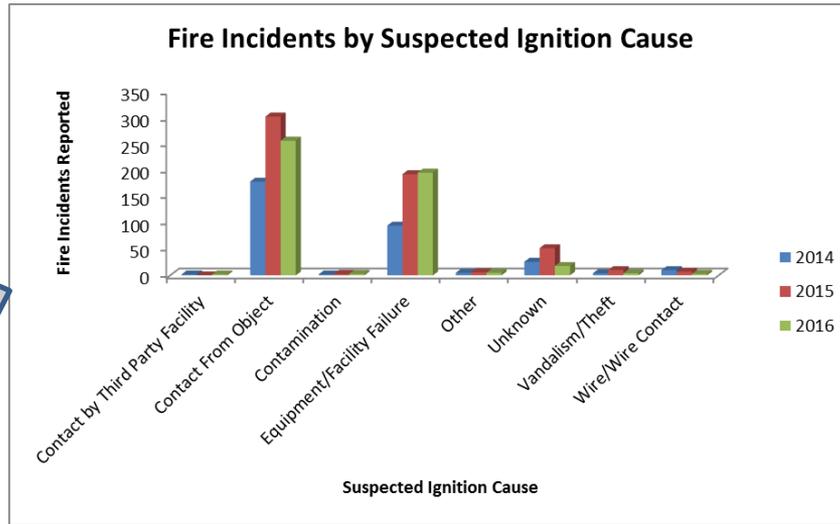


**Elizaveta Malashenko, Director
Safety & Enforcement Division
August 2, 2018**

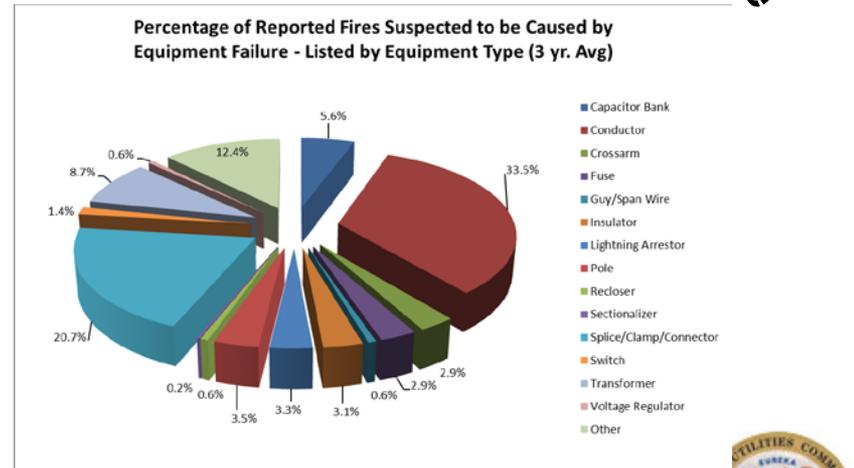
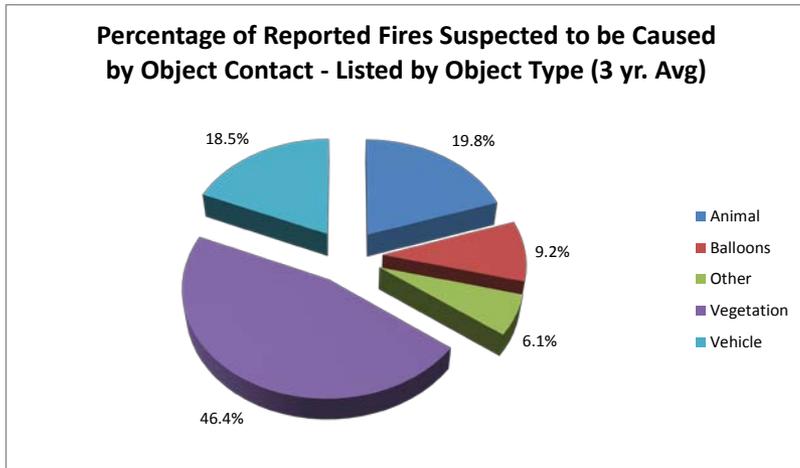




#1 cause - vegetation contact



#2 cause - wire/splice failure





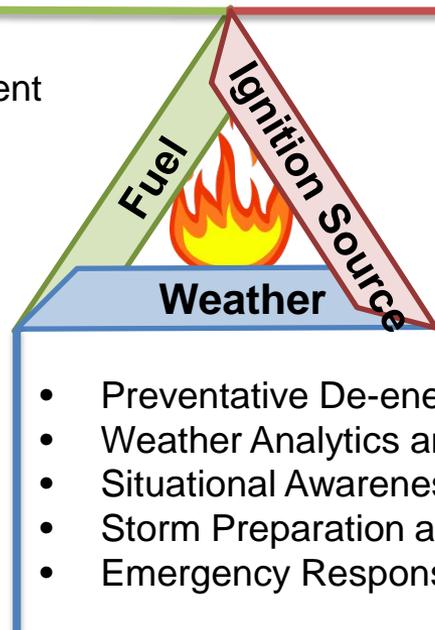
Policy Framework for Utility Wildfire Prevention

Fuel Management

- Clearance Requirements
- Utility Vegetation Management
- Integrated Vegetation Management
- Right Tree Right Place
- Aerial Patrols
- LiDAR Surveying

Ignition Control

- Infrastructure Hardening
- Protective Device Settings
- Fault Detection and Analytics
- Pole Loading
- Maintenance and Inspection Requirements



- Preventative De-energization
- Weather Analytics and Monitoring
- Situational Awareness
- Storm Preparation and Response
- Emergency Response

Weather Preparedness

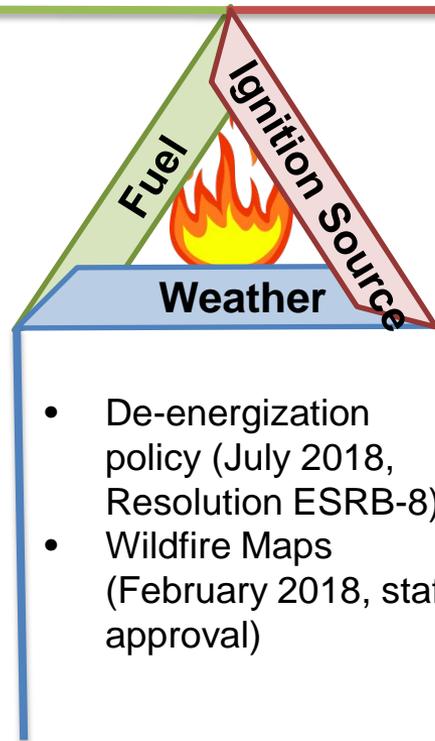




Examples of CPUC Recent Policy Actions

Fuel Management

- Disconnect service to a customer preventing veg. management in the HFTD (December, 2018 D.17-12-024)
- Revised to require utilities to maintain stricter vegetation clearance requirements (December, 2018 D.17-12-024)



- De-energization policy (July 2018, Resolution ESRB-8)
- Wildfire Maps (February 2018, staff approval)

Weather Preparedness

Ignition Control

- Stricter utility maintenance program requirements (May 2018, D.18-05-042)
- Increased the effective minimum horizontal clearance between wires in Tier 3 of the HFTD (December, 2018 D.17-12-024)
- Required minimum inspection cycles for overhead communication facilities (December, 2018 D.17-12-024)

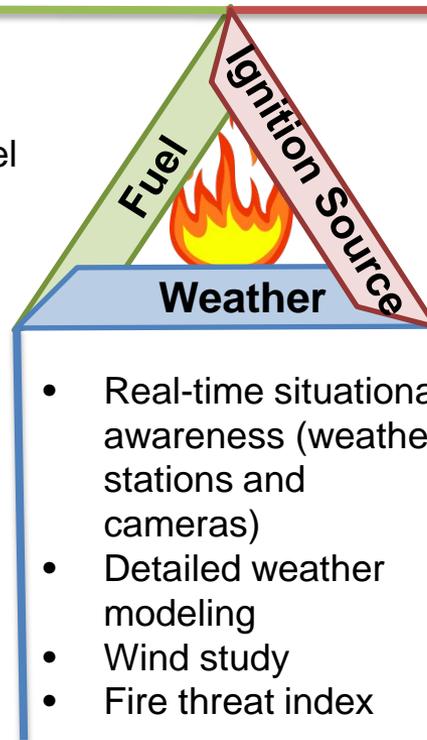




Priority Future Actions

Fuel Management

- LiDAR and other advanced imaging/sensing
- Data analytics and vegetation/fuel risk modeling
- Risk-based vegetation management beyond clearances
- Widespread use of integrated vegetation management (IVM) practices



Weather Preparedness

Ignition Control

- Widespread use of advanced fault line detection and real time power system monitoring
- Overhead conductor failure prevention
- Infrastructure hardening (re-conducting, wire-to-wire clearances etc.)





Thank You!

For further information related to CPUC wildfire risk mitigation policies please contact :

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