Project Title	*Advanced Solutions for Wildfire Mitigation*
Prime Applicant/Grant Manager	UMS Group
Project Administration	Slalom
Community Engagement SME	Fire Adapted Communities Learning Network
Regional Coordinator	Grid Forward

Requested DOE Funds

$38,480,244

Applicant Cost Share

$38,480,244

Smart regional collaboration

Project goals and technology impact

As climate change wreaks havoc across the globe, the risk of wildfire has become a terrifying reality for an increasing number of communities.

Bold action and innovation are required to reduce the devasting effects of wildfire events across communities in the west.

- Reduce the risk of ignition from utility infrastructure
- Provide early detection and response services

Avista Utilities – seeks to [redacted]

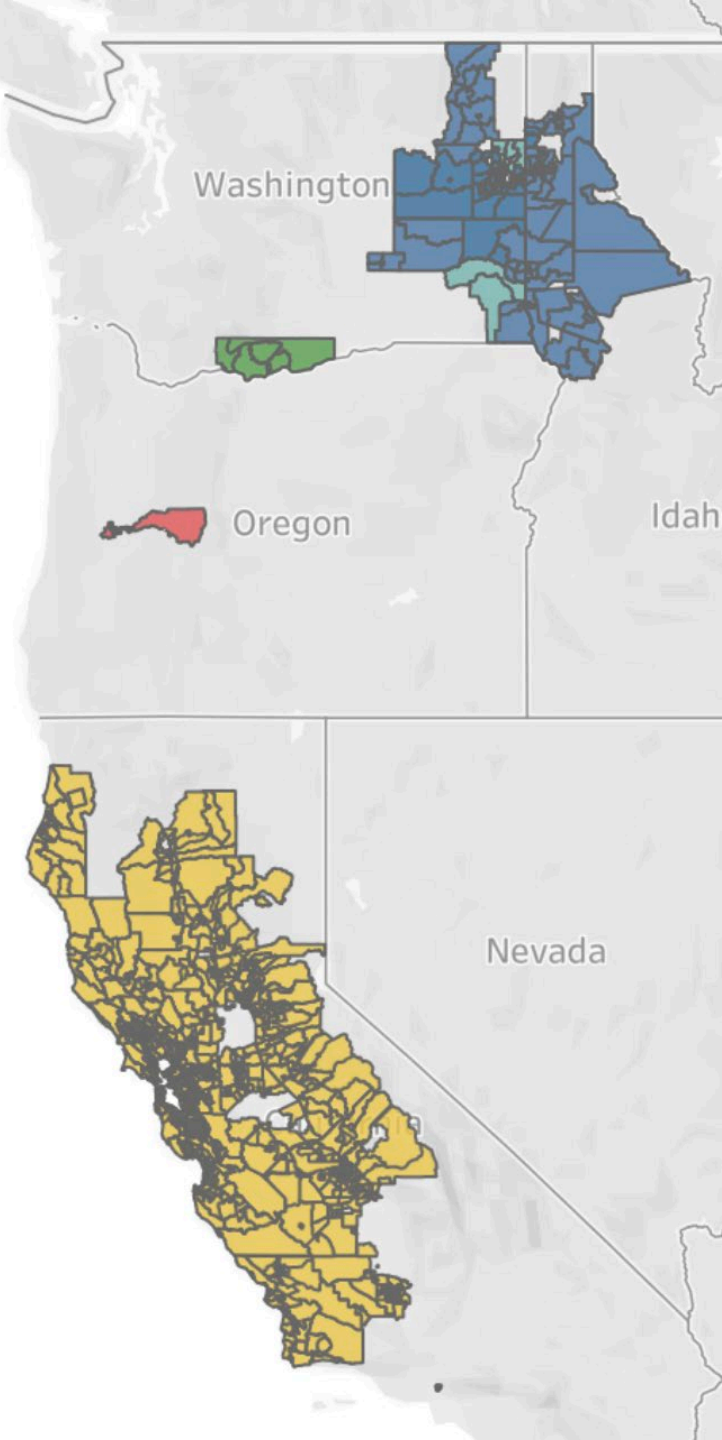
Burbank Water & Power – seeks to [redacted]

Eugene Water and Electric Board – seeks to [redacted]

Inland Power & Light Company – seeks to [redacted]

Klickitat County PUD – seeks to [redacted]

Pacific Gas & Electric Company – seeks to [redacted]



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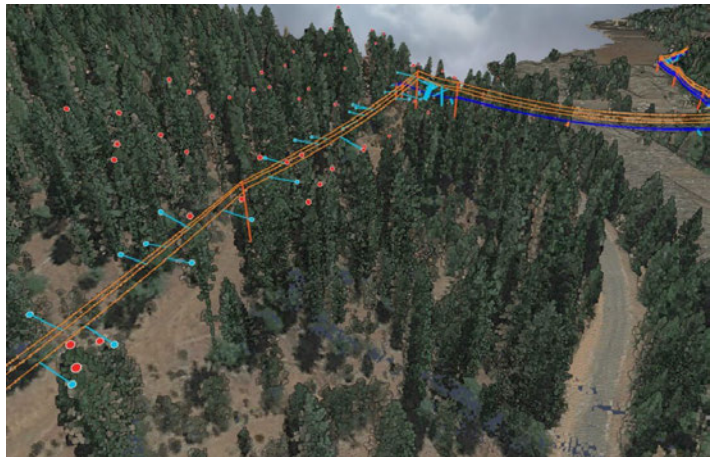
Smart decisions on wildfire risk

Technology summary

An industry-leading approach to wildfire mitigation: a unique partnership of utility operators, technology providers, national laboratories, and education and community-based organizations, all of whom are focused on reducing the risk of wildfire by leveraging and scaling AI technologies:

- Wildfire Risk Modeling
- Vegetation Monitoring
- Ignition Detection & Monitoring

Provider	Technology	Utility Industry "Status Quo"
AI Dash / Overstory	Satellite-Based Veg. Management	Laborious, manual field assessments with annual follow-ups (at most), time-based vs. risk-based.
AVEVA	Data Management & Analytics Platform	Disparate data sources with little or no organization and manual links between them.
Gridware	Realtime, Grid-Independent Monitoring	Fault- or ignition-triggered event awareness. Laborious, manual field inspections. High percentage of "unknown" outages causes.
Pano AI / ALERTWildfire	Automated, Rapid Wildfire Detection	Customer, fire service, or other 3rd party detection and reporting – often long after ignition.
Sharper Shape	LiDAR/Digital Twins & Spatial Analytics	2-Dimensional, often inaccurate and imprecise GIS with little or no integration with asset mgmt. system.
Technosylva	Wildfire Risk & Spread Modeling	Industry void - little or no wildfire risk or spread modeling at this level of sophistication.



UMS group | slalom | FIRE ADAPTED COMMUNITIES LEARNING NETWORK | GridForward

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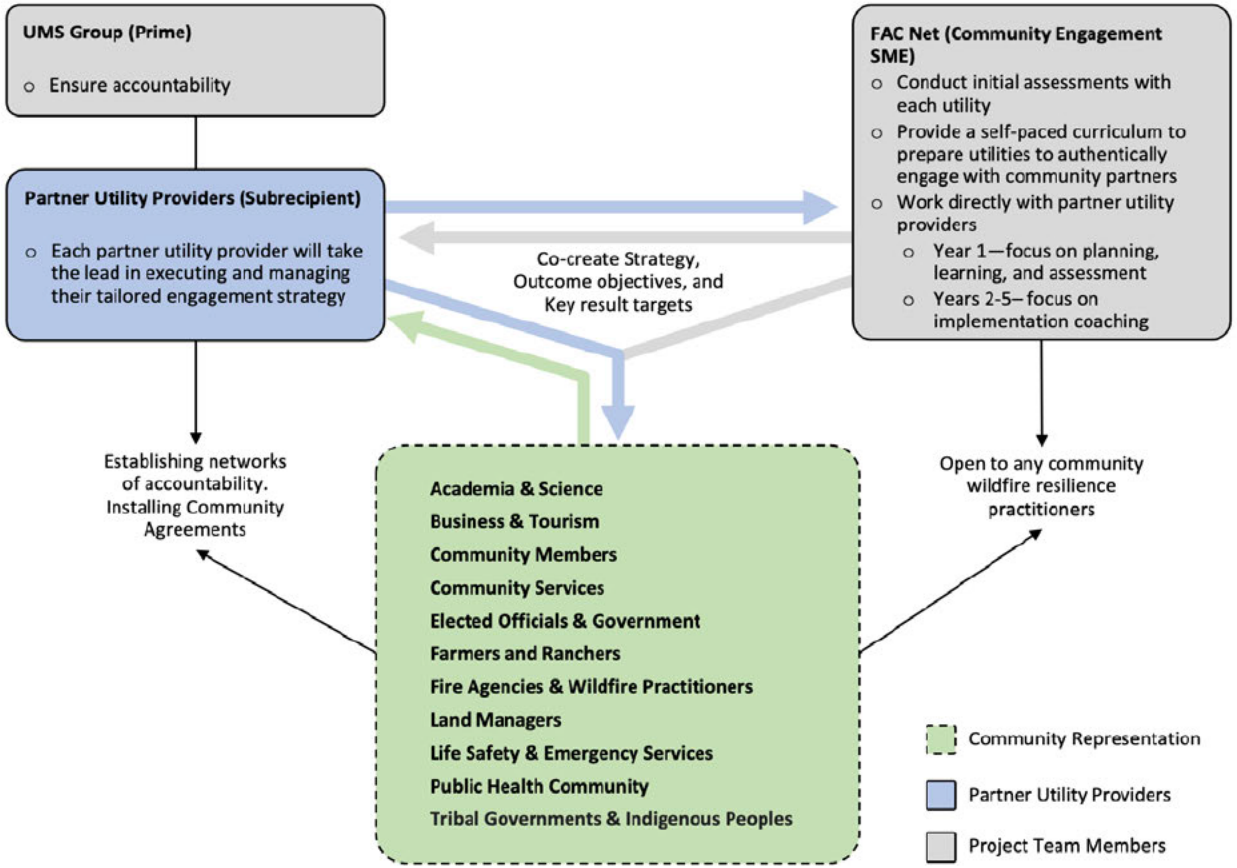
Smart community engagement

Bringing together groups of such variety with shared outcome goals breaks down barriers and provides the space necessary for fruitful and substantive transformations.

Through these accountable partnerships, communities caught under the magnifying glass of climate change are given robust, useful solutions. Going beyond the status quo, communities benefit from shared lessons learned and knowledge democratization across industries and sectors.