NWHA 2020
Wildfire Threat Mitigation

- Safety Moment
- AWRR Program
- Digital Strategy
- Stakeholder Engagement

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Safety Culture Goal: Commitment vs. Compliance

- Understanding Human Performance Principles (HuP)
- Integrating HuP principles into our Safety Culture
- Eliminating workplace co-dependence through engagement, accountability, and learning opportunities
- Safety is a group practice, but an **INDIVIDUAL OWNERSHIP**

<table>
<thead>
<tr>
<th>Human Error Traps</th>
<th>Human Error Tools</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time pressure</td>
<td>Effective communication</td>
</tr>
<tr>
<td>Distractions</td>
<td>Questioning attitude</td>
</tr>
<tr>
<td>Multiple tasks</td>
<td>Self checking</td>
</tr>
<tr>
<td>Overconfidence</td>
<td>Peer checking</td>
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<tr>
<td>Vague or interpretive guidance</td>
<td>Knowledge</td>
</tr>
<tr>
<td>Mental stress</td>
<td>Procedures</td>
</tr>
<tr>
<td></td>
<td>Job briefing</td>
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</table>
AWRR is a Vegetation Management Program designed to reduce the risk and impacts of wildfire within PGE’s service territory. Utilizing annual inspection cycles, prescriptive trimming, and enhanced vegetation control techniques, PGE can work towards reducing risk on our most vulnerable overhead line mileage.

Organizational Structure
- Vision
- Role Clarity
- Vendor Management
- Accountability

Format
- Intuitive technology
- BMP Playbook
- Appropriate metrics
- Reporting

Challenges
- Stakeholders
- Data Custody
- Work layout
- Labor availability

Strategies
- Know your operation
- Responsible programming
- Lead stakeholders
Annual (prior to fire season)
- 100% vegetation inspection of identified line mileage, surveying on/off-ROW for vegetation-specific risk.
- Off-cycle trimming and removals for “cycle-busters” and imminent-threat vegetation.

Ongoing (occurring throughout each year)
- Increased clearance specifications
- Increased off-ROW removal rates
- Use of specialized equipment
- Selective herbicide applications
AWRR
Advanced Wildfire Risk Reduction
AWRR
Advanced Wildfire Risk Reduction

Application
- ArcGIS
- Collector for ArcGIS
- QuickBase

Development
- Paradise, CA
- Combining app intuition with operational awareness
- POC

Implementation
- Operational timeline
- Field training
- Challenges
- Successes

Reporting
- Work assignment
- GF/Forester check
- QA/QC
- Data custody

Digital Strategy
## P2 - Remove

- **Location:** 7899924.62106299,604153.19815273
- **Edited by:** Jacob Espino, July 9, 2019

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
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<tbody>
<tr>
<td>No</td>
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<tr>
<td>Equipment</td>
<td></td>
</tr>
<tr>
<td>H/W</td>
<td></td>
</tr>
<tr>
<td>Species</td>
<td>Hemlock</td>
</tr>
<tr>
<td>Size - DBH</td>
<td>13-24</td>
</tr>
<tr>
<td>Within ROW</td>
<td>No</td>
</tr>
<tr>
<td>Debris Management</td>
<td>Lop/Scatter</td>
</tr>
<tr>
<td>Photo Included?</td>
<td>Yes</td>
</tr>
<tr>
<td>Forester Comment</td>
<td>Remove p2 hemlock snag</td>
</tr>
</tbody>
</table>
### Digital Strategy

**Status**: Work Complete

**Work Type**: Top

**Priority Level**: P2

**ODOT Permit**: No

**Flagging Required**: No

**Equipment**: H/W

**Species**: Pine

**Size - DBH**: 13-24

**Within ROW**: No

**Debris Management**: Lop/Scatter

**Photo Included?**: Yes

**Forester Comment**: Top or remove dead pine snag get w JARRAFF if
Digital Strategy
Stakeholder Engagement

Ownership
- How does this influence our approach and abilities?

Communication
- What does this relationship look like?
- Common understanding of objectives
- How do we solve differences?

Engagement
- Participate
- Advocate
- What can come between a strong partnership?

Outcome
- What’s working?
- What’s not?
- Drive solutions
2019 AWRR Accomplishments (April–Sept)

Distribution – Sub Transmission:
• 100% line patrol prior to 2019 fire season
• 235 distribution line miles trimmed
• 22 sub-transmission line miles trimmed
• 85 acres of ROW mowed
• 40 line miles of Jarraff enhanced trimmed
• 3,621 trees identified for removal

Bulk Transmission:
• 100% line patrol prior to 2019 fire season
• 1,250 ROW acres scoped and worked
• 129 wood-poles structures mowed/treated

...Wanting more?

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