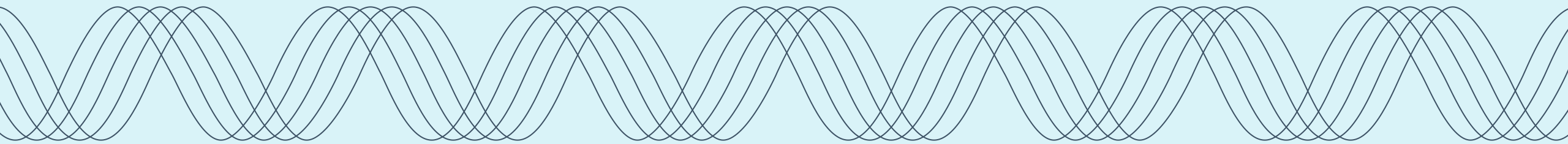




# OWEC Workshop: Forest Practices and Wildfire Mitigation

Alex Konopka - Senior Manager, Vegetation Management



# Safety Culture Goal: Commitment vs. Compliance

1

Understanding of Human Performance Principles

Human Error Traps	Human Error Tools
Time pressure	Effective communication
Distractions	Questioning attitude
Multiple tasks	Self checking
Overconfidence	Peer checking
Vague or interpretive guidance	Knowledge
Mental stress	Procedures
	Job briefing

Google Image

2

Integrating Human Performance Principles into our work and culture

- Robust field presence
- Job briefing reviews
- Incorporate Human Performance language in daily work activity
- Anchor cultural work in Human performance truths and understand it's a long-term strategy

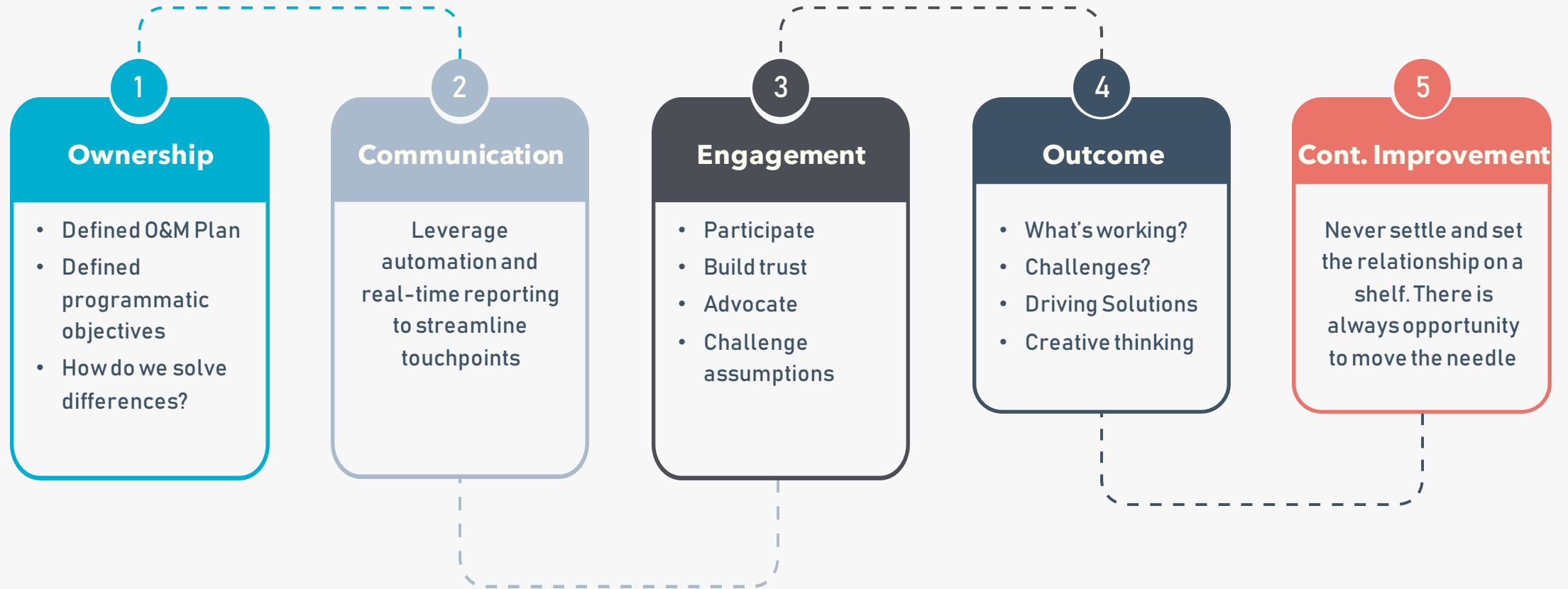
3

Eliminating workplace co-dependence through engagement, accountability, and learning opportunities

- Stand Up/Stand Down messaging
- Rapid turn around on messaging to the field
- Highlight strong/poor performance
- Leverage joint leadership training opportunities with contracting partners/ local union shops.
- Consistency-over-time philosophy

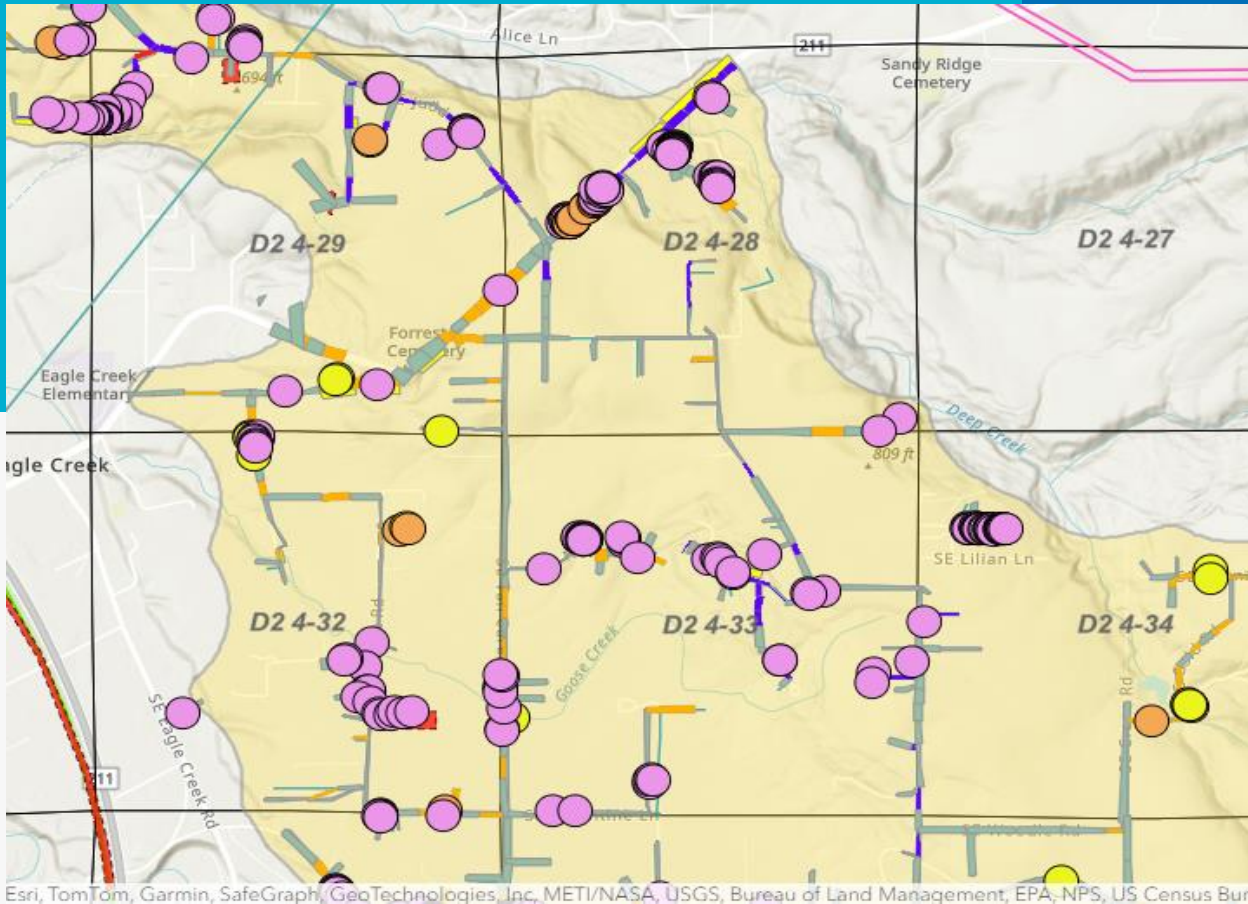
# Partnership through digitization

PGE & USFS collaboration with PGE's AWRR Vegetation Management Program



# AWRR

## Advanced Wildfire Risk Reduction



Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, Bureau of Land Management, EPA, NPS, US Census Bureau

### Application

- ArcGIS
- QuickBase

### Development

- Paradise, CA
- Combining app intuition with operational awareness

### Implementation

- Operational timeline
- Field training
- Challenges
- Successes

### Reporting

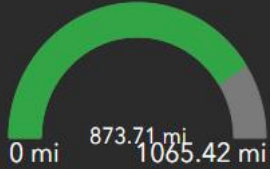
- Work assignment
- GF/Forester check
- QA/QC
- Data custody

Portland General Electric

# Digital Strategy

Line Mileage (V5)

Patrolled Line Miles (Veg within 5ft)



Line Miles Audited

332

Audited Veg within 5ft. (V5)

4.1k

Work Details

Trees Worked: Trimmed/Removed

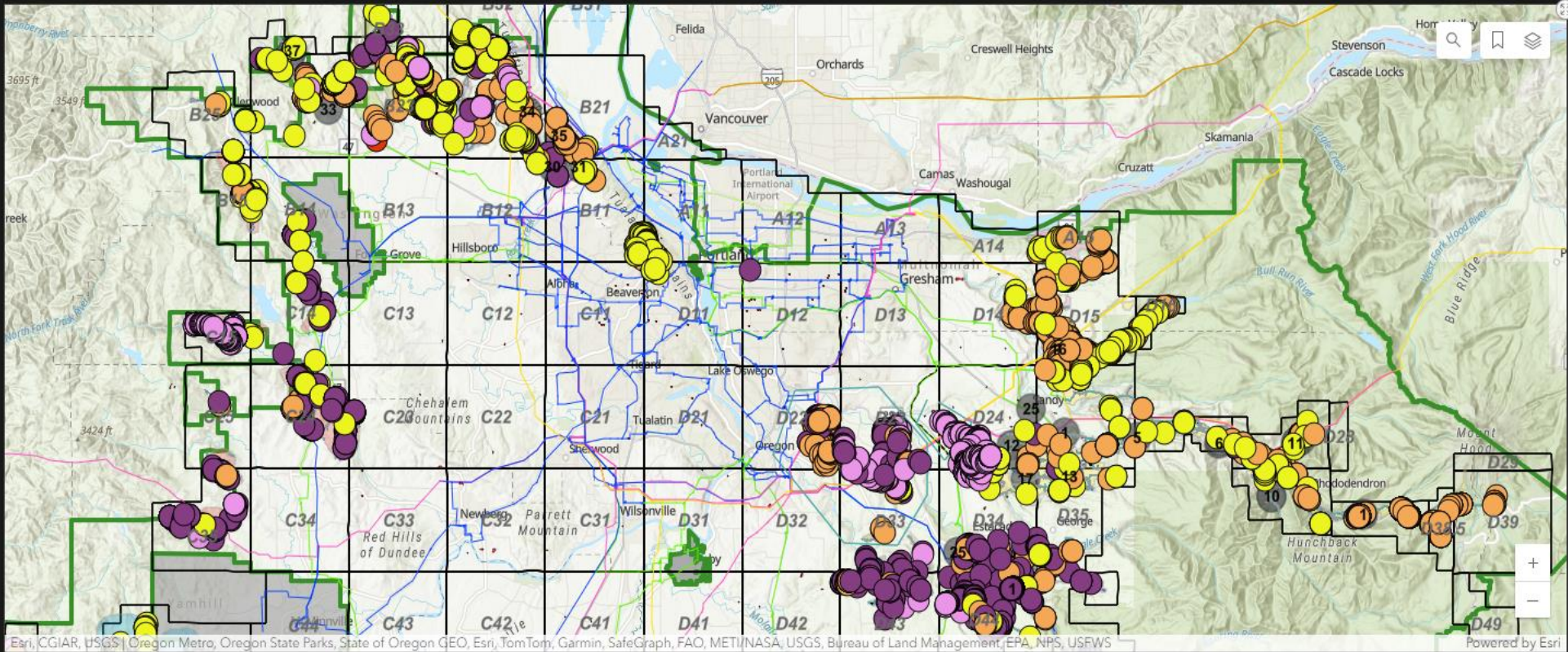
14.9k

C1/C2: Estimated Hours Worked

2.9k

V5: Estimated Hours Worked

6.2k



Open C1 Count

1

Closed C1 Count

15

Open C2 Count

2.5k

Closed C2 Count

1.4k

2024: Crew Completed



2023: Crew Completed



2024 C1 and C2 Summary

Condition Level	Status	Work Type	Species	Flagging Required	ODOT Permit	Creation Date	Audit/Close Date
C1	Open	Remove	Cherry	Yes	No	April 8, 2024	
C1	Forester Audit	Reduce	Ash	No	No	December 6, 2023	
C1	Forester Audit	Remove	Douglas Fir	Yes	No	December 7, 2023	
C1	Forester Audit	Remove	Douglas Fir	Yes	No	December 20, 2023	March 7, 2024
C1	Forester Audit	Remove	Douglas Fir	Yes	No	December 20, 2023	March 7, 2024
C1	Forester Audit	Remove	True Fir	Yes	No	January 18, 2024	
C1	Forester Audit	Remove	Douglas Fir	No	No	January 18, 2024	
C1	Forester Audit	Remove	Alder	No	No	January 19, 2024	
C1	Forester Audit	Remove	Douglas Fir	No	No	January 19, 2024	
C1	Forester Audit	Remove	Cherry	No	No	January 19, 2024	January 22, 2024

Last update: 1 minute ago

Conditions Tree Removals

1206 ft

1 of 4

**AWRR Work: C2- Remove (Work Complete)**

Zoom to Pan

### Work Details

Year	
Work Boundary	HFRZ
Work Type	Remove
Status	Work Complete
Condition Level	C2
Equipment	55
Species	Douglas Fir
Size - DBH	12-23.9
Debris Management	Chip
Forester Last Name	Donovan
Forester Comment	Dead; in corner of yard next road
Foreman Last Name	Cole
Crew Completion Date	November 6, 2023
Hours	
Crew Completion Comment	
Customer Notification	In-Person
Date of Customer Contact	
Customer Address	64601 Brightwood Loop
FollowUp Needed	
FollowUp Note	No

Audit/Close Date	
QA/QC Comment	
Prescription	
Safety Notes	
Active	Yes
Photo	Yes
Flagging Required	No
HFRZ Zone	1
ODOT Permit	No
Within ROW	No
Within MAD	
Within USFS	No
Line Clearance Qualified	Yes
Google StreetView URL:	View
Edit Date	December 7, 2023
Editor	e00710@pgn.com_pge

1221 ft

E Miller Rd

26

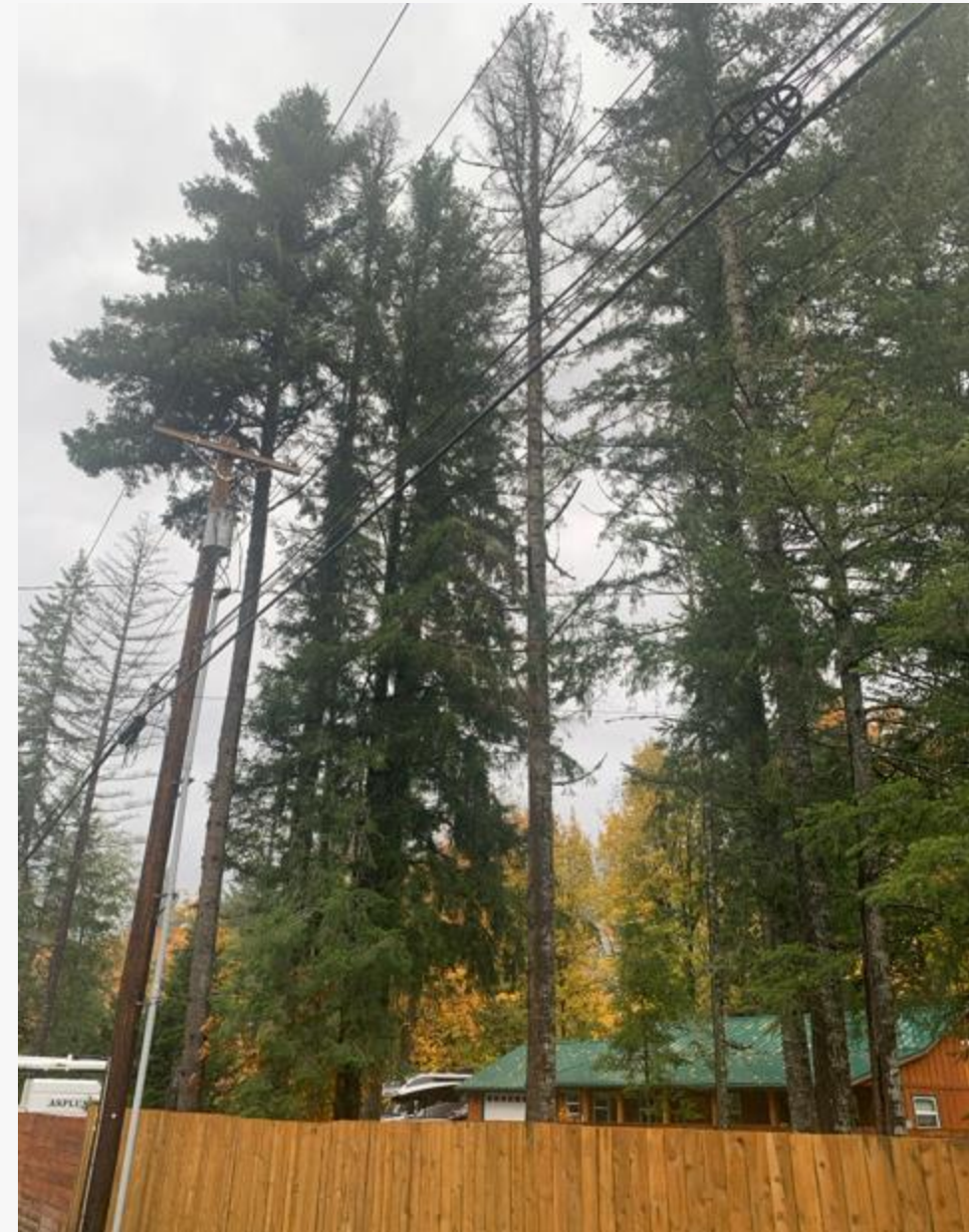
6-25D

Mt Hood Scenic Corridor

D2 7-30C

D2 7-31B

Road 77











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kind of energy