

WELCOME!

Thank you for joining our webinar.

We will begin at 11 am pacific.

Oregon Department of Transportation's Fast Charging Investment Plans: NEVI State Plan Overview

June 27, 2022



Zoom Webinar 101: What to Expect

- All attendees are muted.
- 30 min presentation
30 min Q&A
- Check the chat for links.
- Use the chat for technical difficulties.
- This webinar is being recorded and will be available soon.

Host:
Matt Noble,
ODOT Communications

Panelists:

Amanda Pietz,
Division
Administrator,
Policy, Data &
Analysis, ODOT

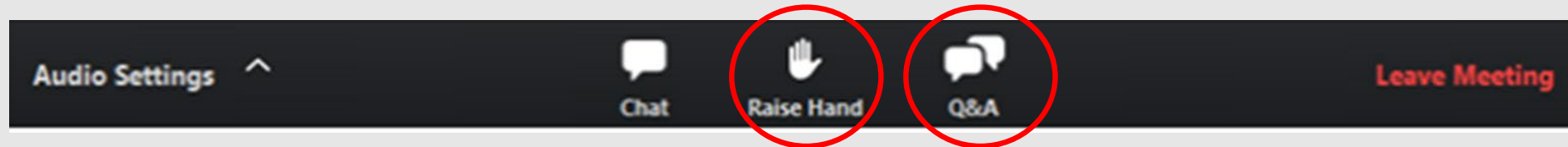
Mary Brazell,
Transportation
Electrification
Program
Manager, ODOT

Jessica Reichers,
Technology &
Policy Manager,
ODOE

Jillian DiMedio,
Senior
Transportation
Electrification
Analyst, ODOT

Suzanne Carlson,
Director, Climate
Office, ODOT

Zoom Webinar 101: How to ask a question



- Method 1:

- Click the “Q&A” button and type in your question.
- You may submit your question at any time.
- The host (Matt) will read your question to the panelists.

- Method 2:

- Click the “raise hand” button, or dial *9 if you’re on the phone.
- Host (Matt) will unmute you.
- Please ask one, succinct question.

ODOT commits

 **\$101M+**

minimum to
transportation
electrification
charging
infrastructure

\$52M IJA dedicated funds + match +
Transportation Operating Fund +
Carbon Reduction Program + other

Drivers



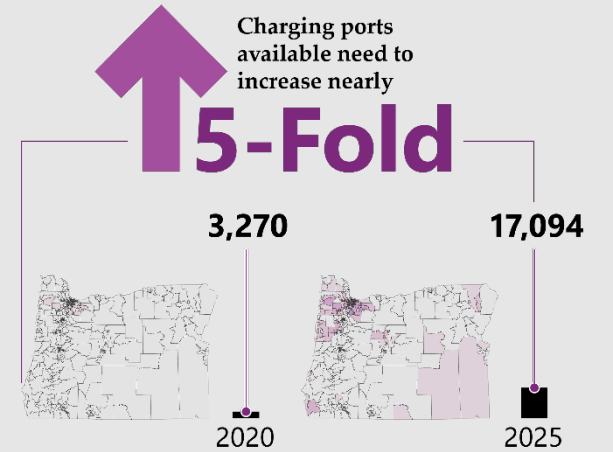
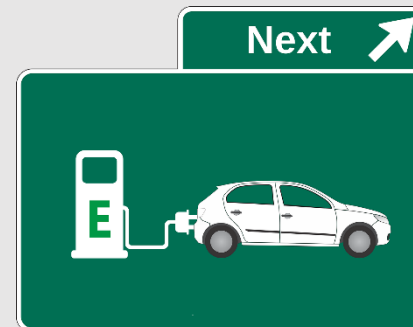
**Oregon Statewide
Transportation Strategy**
A 2050 Vision for Greenhouse Gas Emissions Reduction

Executive Summary

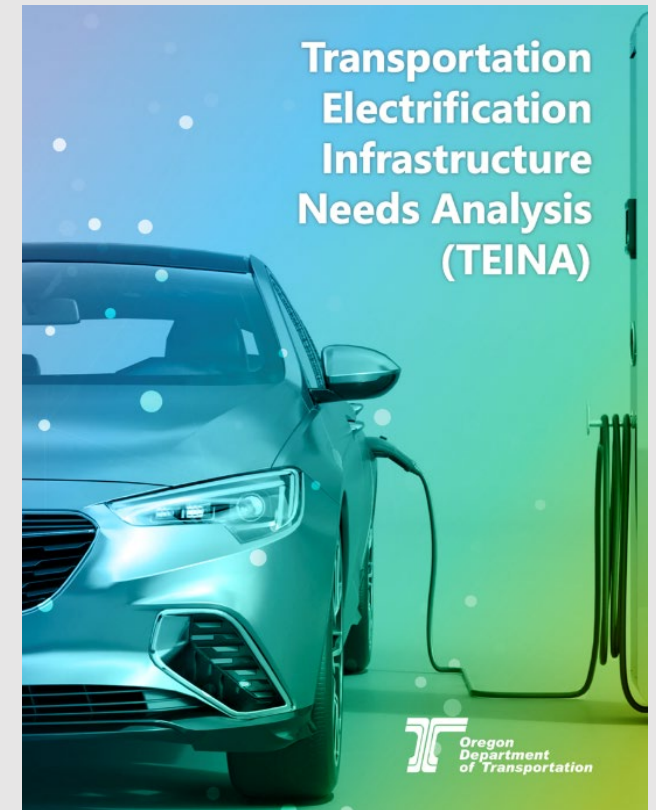
Oregon Sustainable Transportation Initiative (OSTI)
Accepted March 20, 2013


 Oregon
Department
of Transportation

- Pricing
- Transportation Options
- System Operations
- Fuels
- Vehicles



**Transportation
Electrification
Infrastructure
Needs Analysis
(TEINA)**



 Oregon
Department
of Transportation

AGENDA

**National Electric
Vehicle
Infrastructure
(NEVI) Program
Overview**

**Approach to Develop
and Implement
*Oregon's State Plan
for EV Charging
Deployment under
the NEVI Program***

**Questions and
Comments from
Public**

National EV Infrastructure Formula Program (NEVI)

How much is coming to Oregon?

\$65 million over 5 years for fast charging

- \$52 million IJA federal funding + \$13 million (20%) non-federal match (expected from private sector)
- Must be used on Alternative Fuel Corridors
- FY 2022 (w match) \$9.6 million; FY 2023 on \$13 + million

Funds can be used for:



Development phase activities



EV charger purchase and installation



Operating costs/maintenance for the first 5 years



Mapping, Analysis, Modeling



Signage

DEPARTMENT OF TRANSPORTATION

Federal Highway Administration

23 CFR Part 680

[Docket No. FHWA-2022-0008]

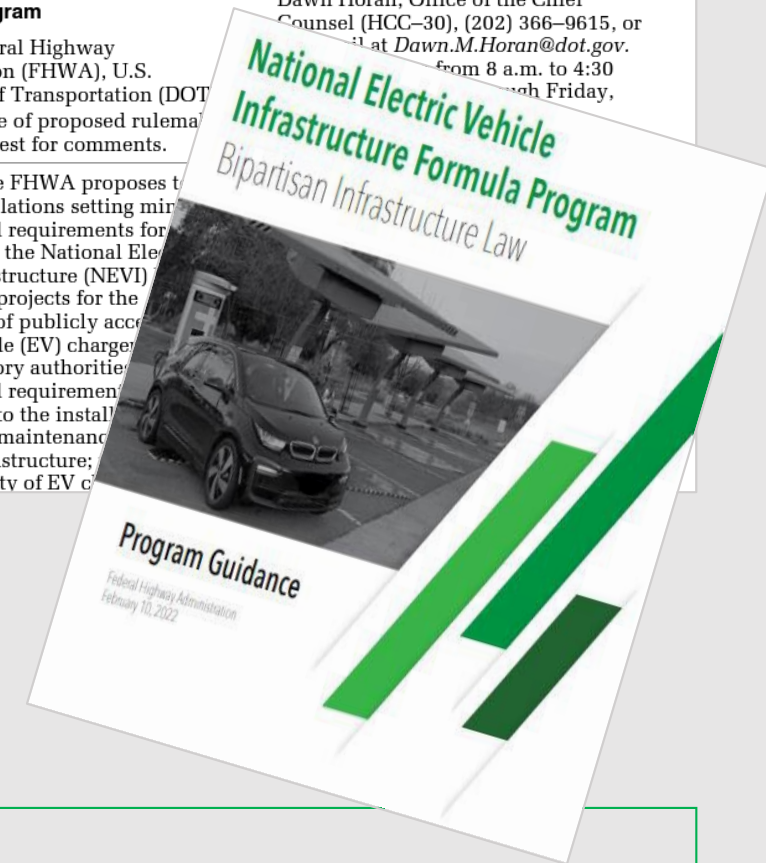
RIN 2125-AG10

National Electric Vehicle Infrastructure Formula Program

AGENCY: Federal Highway Administration (FHWA), U.S. Department of Transportation (DOT)
ACTION: Notice of proposed rulemaking (NPRM); request for comments.

SUMMARY: The FHWA proposes to establish regulations setting minimum standards and requirements for projects funded under the National Electric Vehicle Infrastructure (NEVI) Formula Program and projects for the construction of publicly accessible electric vehicle (EV) charging stations. Certain statutory authorities, standards and requirements would apply to the installation, operation, or maintenance of charging infrastructure; interoperability of EV charging

Number (RIN) for the rulemaking. All comments received will be posted without change to <https://www.regulations.gov>, including any personal information provided.
FOR FURTHER INFORMATION CONTACT: Mr. Gary Jensen, Office of Natural Environment, (202) 366-2048, or via email at Gary.Jensen@dot.gov, or Ms. Dawn Horan, Office of the Chief Counsel (HCC-30), (202) 366-9615, or via email at Dawn.M.Horan@dot.gov, from 8 a.m. to 4:30 p.m. each Friday.



NEVI: Key Federal Requirements

Objective:

Build a seamless national network of public EV charging that is reliable, convenient, affordable and equitable



Minimum of four high-powered (150 kW) chargers at each site



Every 50 miles* along Alt. Fuel Corridors;
≤ 1 mile from corridor
*exceptions allowed



Collaboration with agency partners and stakeholders



Development of a State Plan; to be approved by the Joint Office



Minimum standards and specifications



40% of benefits accrue to Justice40 communities

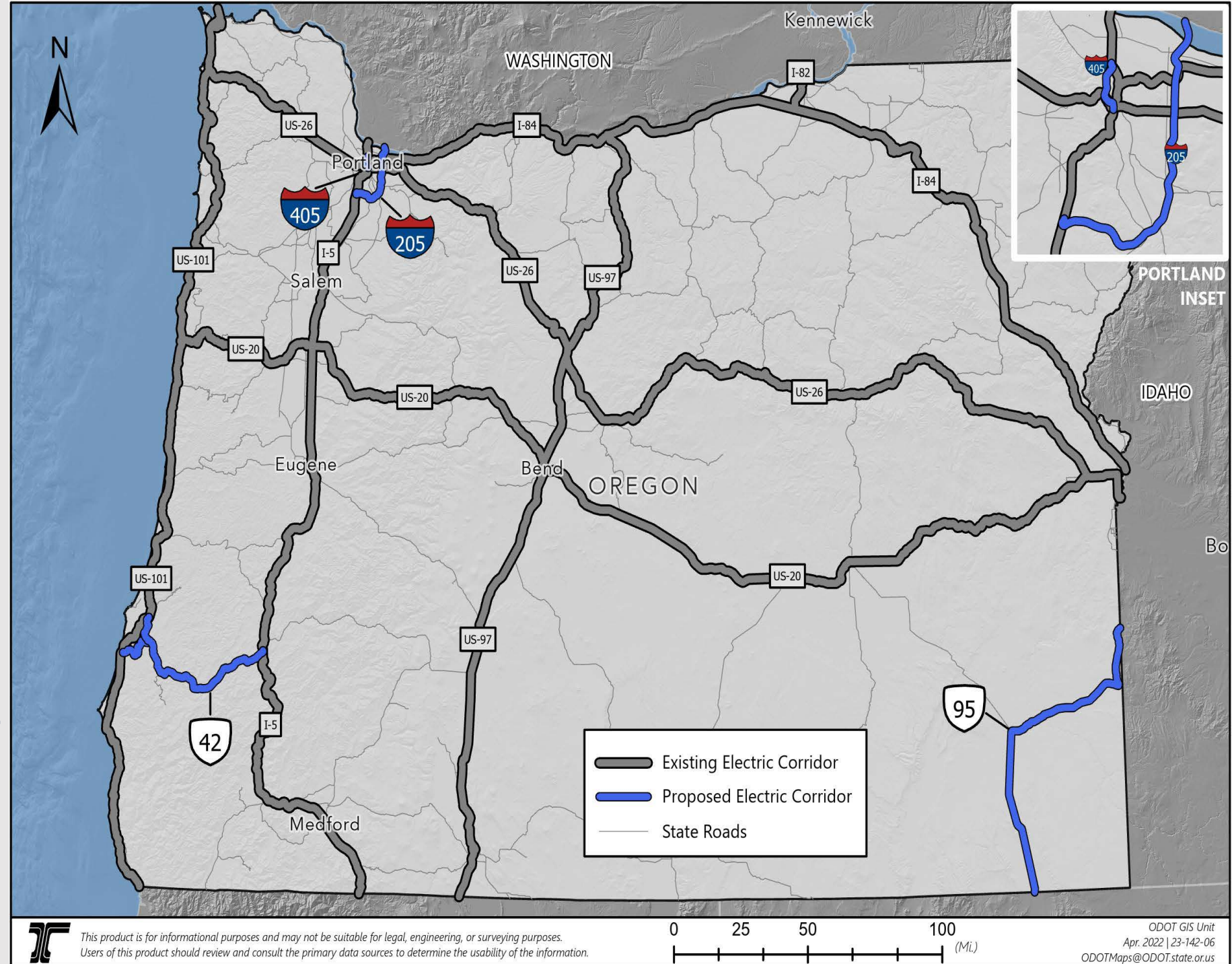


NEVI: Proposed Minimum Standards

- FHWA Notice of Proposed Rulemaking
 - June 22, 2022
 - Comments due August 22
- Suggested standards for:
 - Installation, Operation & Maintenance by qualified technicians
 - Interoperability
 - Signage
 - Data Collection & Reporting
 - Network Connectivity
 - Real time information on location, pricing, availability and accessibility
 - Other (ADA, NEPA, Civil Rights, etc.)
- ODOT will meet or exceed minimum standards

Where will chargers go?

- Existing EV Alternative Fuel Corridors:
I-5, I-84, I-82, US 101, US 97
US 26, US 20
- Four new corridors proposed:
I-205, I-405, US 95, OR 42
- Phased approach for additional corridors over next five years



Oregon NEVI State Plan



Plan Vision & Goals

State Agency
Collaboration



Existing
Conditions



Deployment
Strategy



Contracting



Implementation



Public
Outreach



Equity &
Justice40



Data & Performance
Metrics



Vision

Create a backbone network of high-powered EV charging stations along major corridors, to significantly increase Oregonians' confidence that EV charging will be as ubiquitous and convenient as fueling with gasoline



Five-year Goals

- First 3 years, fully build out all 7 EV Alternative Fuel Corridors
- Next 2 years
 - Build out more Alt Fuel Corridors
 - Options: increase coverage, redundancy; upgrade more stations; freight; multi-modal
- Reliability
- Equity, Justice40

State Agency Coordination

- ODOT and ODOE ongoing collaboration
- ZEVIWG
- Other agencies

Existing Conditions: Oregon's Electric Alt. Fuel Corridors

7 FHWA-designated
corridors currently

North-South

I-5

I-82

US 101

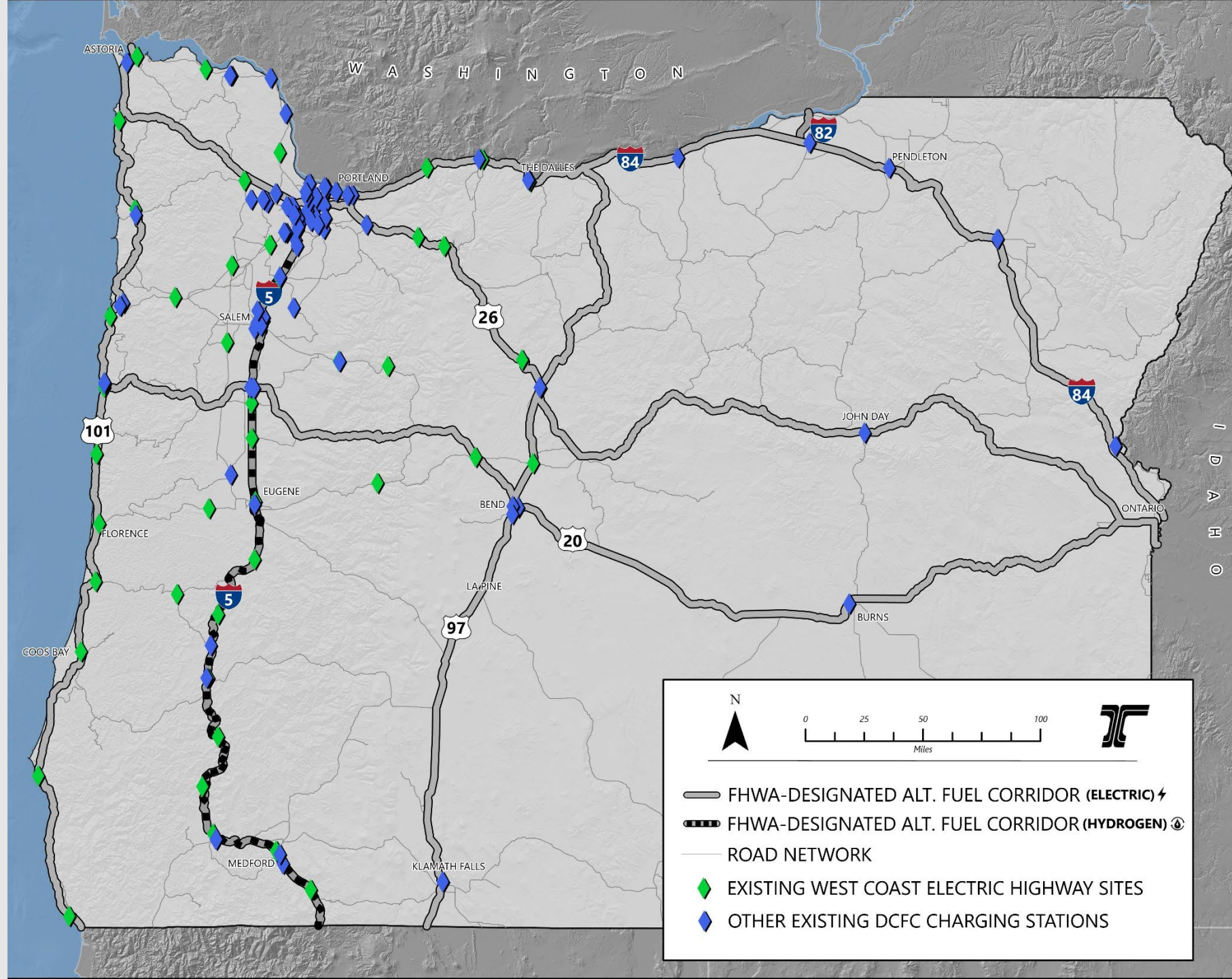
US 97

East-West

I-84

US 26

US 20



N

0 25 50 100
Miles

- FHWA-DESIGNATED ALT. FUEL CORRIDOR (ELECTRIC) ⚡
- FHWA-DESIGNATED ALT. FUEL CORRIDOR (HYDROGEN) Ⓜ
- ROAD NETWORK
- EXISTING WEST COAST ELECTRIC HIGHWAY SITES
- OTHER EXISTING DCFC CHARGING STATIONS

Public Outreach

NEVI engagement to date; More over 5 years

306 Total Survey Respondents

210 EV Drivers

28 Interested in being Site Hosts



Available on the NEVI website

Webinar
APRIL 4th

Webinar
TODAY

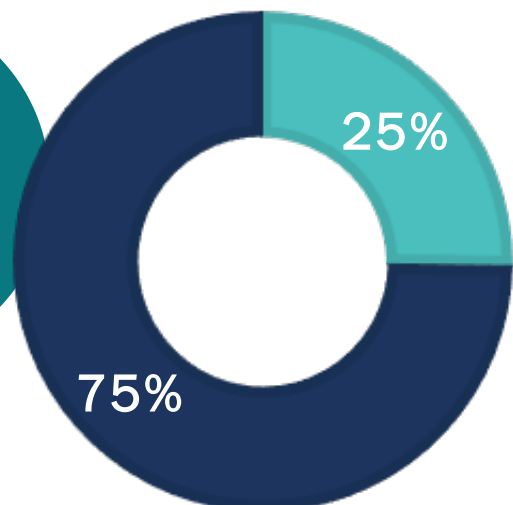
Interest Group Presentations


One on One Meetings


435
Suggested Locations

Types of Chargers Suggested

- Level 2
- Fast Charger



5 Targeted Information & Listening Sessions

115+ Participants

We Heard You

**“Flexibility
in 350 kW
charging”**

- EVSP

**“Reliability.
Experienced
EV Charging
Provider”**

- EV Drivers

**“Affordable
pricing and
workforce
training”**

- Advocates

**“NEVI funded
chargers
in our
community”**

- Cities & Counties

**“Realistic
timelines:
electrical
capacity, supply
chain concerns”**

- Utilities

**“Sensitive
to geography
and climate”**

- EV Drivers

Oregon NEVI Deployment Strategy



Partner with
Private Sector



Corridors –
Competitive
Solicitations



Build New &
Upgrade
Existing



Target
Reliability,
Minimum
Standards



Expand
Coverage

Contracting Strategy & Process

Contracting Strategy:

- Fully build-out complete corridors
 - Sequenced
 - Build new and/or Upgrades
- Specific sites not selected; community interest shared
- Annual Requests for Proposal (RFP)
- Public-Private Partnership
- Performance standards that meet NEVI Program requirements.
 - OR contracts to meet or exceed Minimum Standards
- Maintenance; potential Operations funding
- Incentivize desired attributes
- Highlight Oregon benefits (e.g, Clean Fuels Program)



Oregon Will Look For:

- Proven track record, staying power
- Reliability (consequences if not met)
- Diverse, local workforce and development
- Community engagement
- Station design

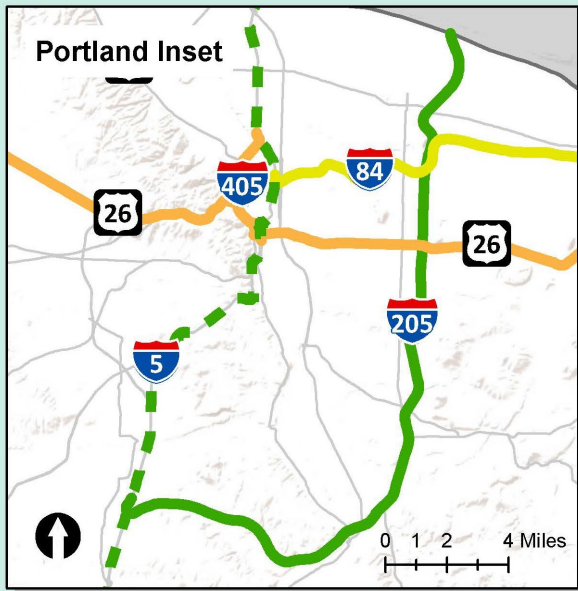
•Analyze & confirm
Corridors

•Regional Workshops
early on

•Annual RFP

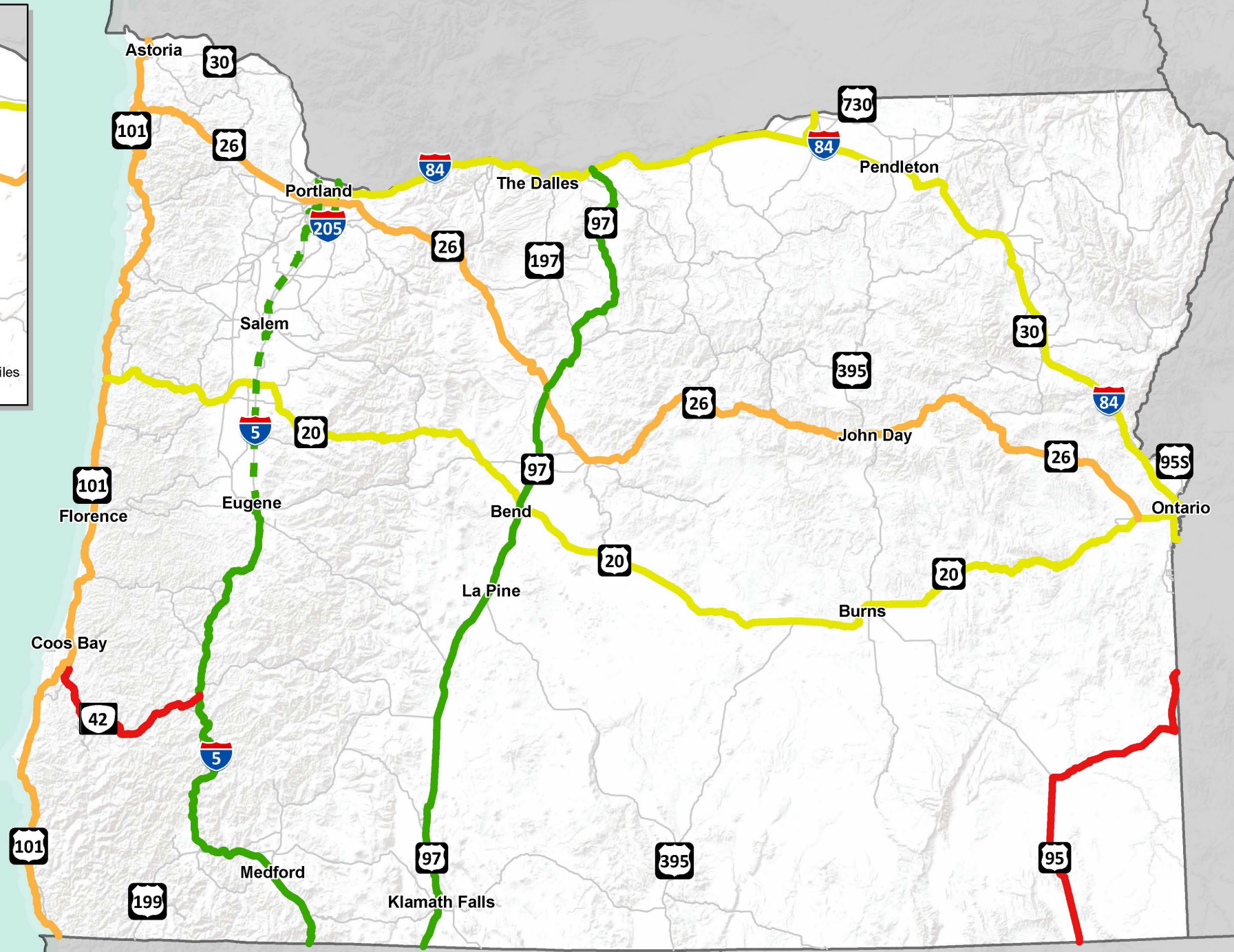
•EVSP community
engagement

•Develop data, metrics:
Justice40, Min. Standards



Alternative Fuel Corridors

- NEVI Compliant
- Year 1
- Year 2
- Year 3
- Year 4



Where will NEVI investments go?



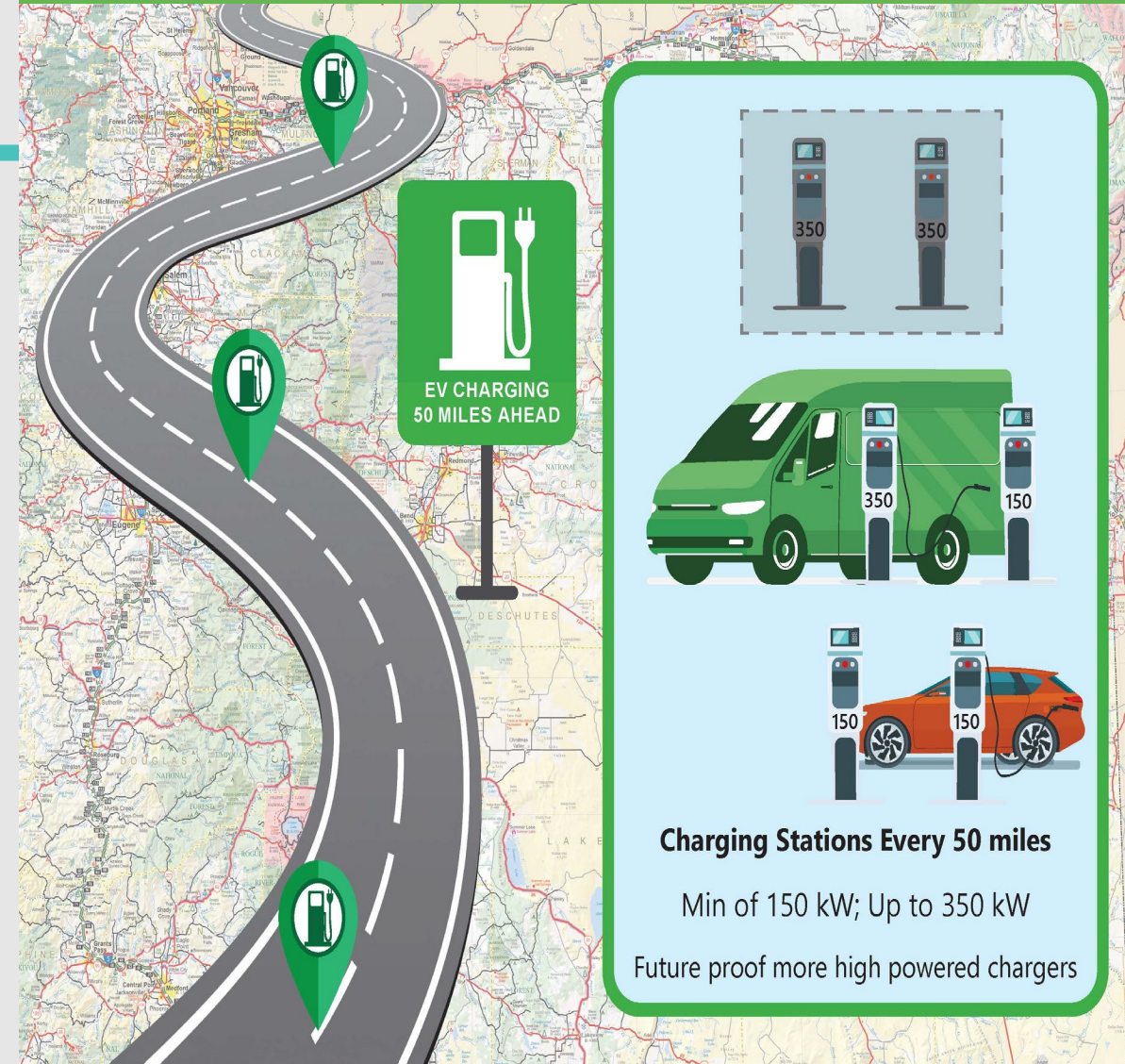
Implementation

- Ensure reliability of publicly funded chargers
- Outreach to identify
 - EV charging service providers
 - Potential EV charging station hosts
 - Regional workshops to engage communities and identify ways to benefit
- Known Risks and Mitigation
- Data collection
- Program evaluation, monitoring and reporting

Our Plans for a Typical Site “the Oregon Quad Pod”

Achieve or Exceed Minimum Standards

- Quad Pod/Future Proof
- Interoperability, roaming, etc.
- Payment mechanisms
- Civil Rights/ADA
- Cybersecurity
- Labor and Workforce Development



Stakeholder Outreach – A Menu of Opportunities

Key Activities

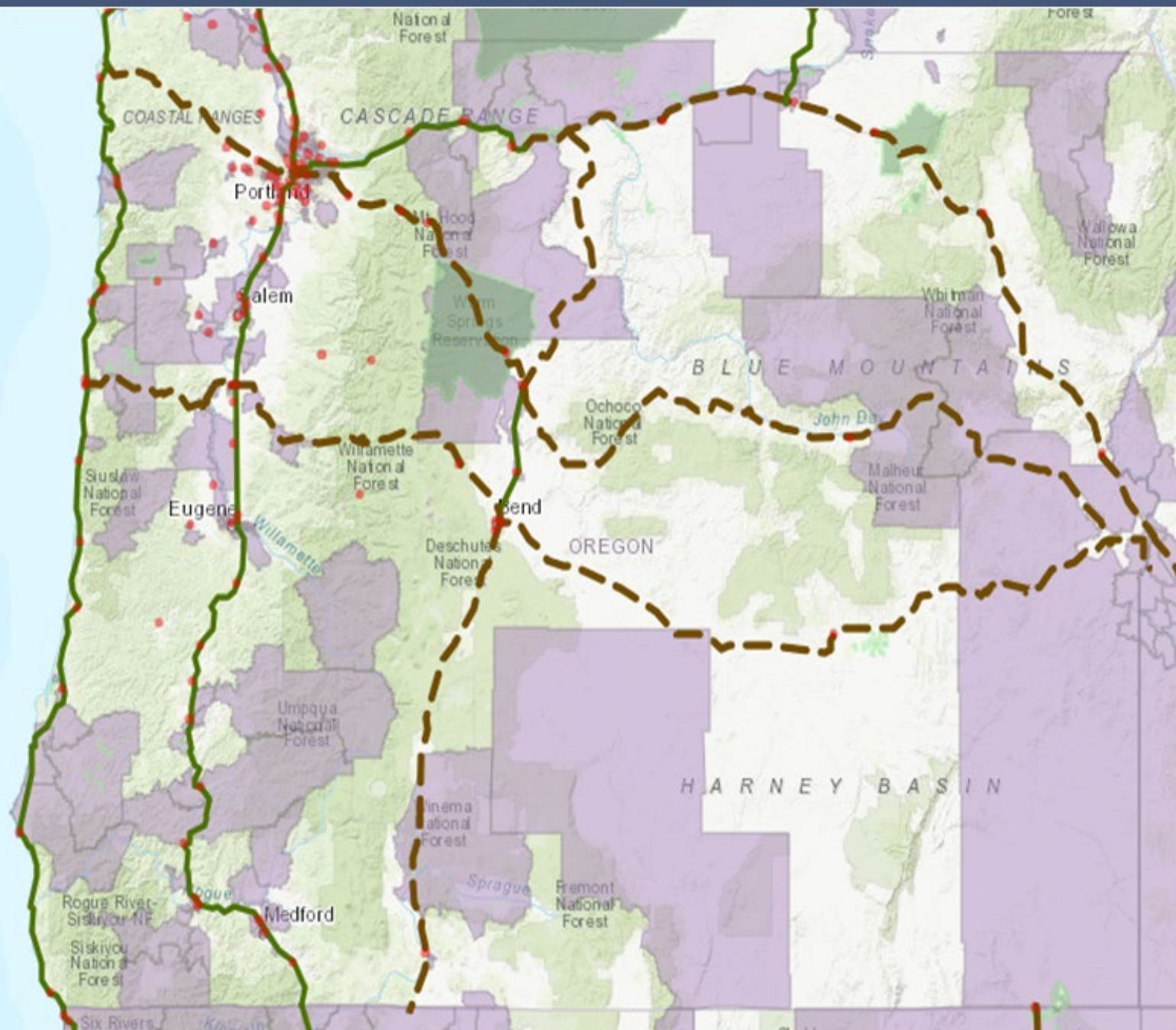
- Regional Workshops in communities
 - Engage with communities prior to each year's Corridor build out
 - First year build out: communities along I-5, US 97, and I-205
 - Listen to learn EV community goals, prioritize desired benefits
 - Work with EV charging providers to match goals with opportunities along corridors
- Webinars
- Guest speaking engagements
- Targeted Information Sessions
 - Specific outreach to voices who haven't yet been heard
- Reporting back – What we hear and how it impacts activities



Equity & Justice40

- Minimum of 40% of program benefits to disadvantaged communities (DACs)
- Benefits determined after engagement with DACs
- Examples include:
 - Job growth & training
 - Increased access to affordable EV charging
 - Increased community engagement
 - Reduced exposure to harmful transportation-related emissions

Electric Vehicle Charging Justice40 Map - Oregon



Next Steps

Milestone	Time
Comments on plan concepts due	July 6, Matt Noble, Matt.A.NOBLE@odot.oregon.gov
State submits plan	August 1, 2022
Regional Workshops	Fall/Winter 2022 – 2023
Federal approval	September 30, 2022
State develops RFP for corridor development	Fall 2022
Anticipated RFP release	Winter 2022/2023



Thank You!

Question & Answer?

Oregon's Five-year EV Charging Infrastructure Roadmap:
<https://www.oregon.gov/odot/climate/Pages/NEVI.aspx>