

# Pre-Proposal Webinar

---

## Upgrade & Enhance Oregon's West Coast Electric Highway

Mary Brazell, Connected, Automated & Electric Vehicle Policy Advisor

Maureen Bock, Chief Innovation Officer

June 5, 2020

# Webinar Information

---

- This webinar is being recorded
- A copy of the presentation will be posted to ODOT's Office of Innovation website  
URL: <https://www.oregon.gov/ODOT/Programs/Pages/Electric-Vehicles.aspx>
- Type in questions in the Chat Box to "Organizer" & we will respond at the end of the webinar
- Further written questions will be answered in writing and published on the website
- Input will be considered when finalizing the Request for Proposals
- The requirements in this presentation are intended to be illustrative and those in the Request for Proposal will be more definitive

# Pre-Proposal Webinar Agenda

---

- Welcome and Introductions
- Background
- Description of Funding Opportunity
- Contact and Questions



# Overview of Funding Opportunity

---

- Who – Single Entity
- What – Offset a portion of costs
- Where – At 44 sites/communities
- Why - To better serve Oregon drivers of electric vehicles
- When - Funding Opportunity will be available Summer 2020
  - 18 months to update existing sites or develop new ones
  - Operations and maintenance for a minimum of 5 years
- How – Funding authorized by Legislature and Oregon Transportation Commission

# Options

---

- Acquire existing sites & upgrade
- Partner with owner & upgrade
- Develop new sites in each of the 44 communities



# Background – WCEH - 2012

- Network from British Columbia to California-Mexico border
- Shared goal: Confidence for EV drivers driving up and down the West Coast
- Equipment specifications, highway signs, branding and marketing, unique driving experience
- DC Fast Charge Site Criteria







## Usage

- Over 1.3 million kWh of charging
- Powering over 4 million EV miles
- 130,000+ charging events



## Host Site Agreements

- 38 individual host site owners
- Wide variation in ownership of host sites
- Initial term of 5 years or more, w/renewal option
- 19 sites served by PGE, PacifiCorp; remaining 25 served by 19 utility providers

## Funding Opportunity - 2020

- Upgrade & Enhance Oregon's WCEH Network
- Goals:
  - Overcome obstacle that Oregon's WCEH stations serve only vehicles using one type of plug (CHAdeMO)
  - Serve increasingly common Combined Charging System (CCS)
  - Provide for operation and maintenance
  - Upgrade aging equipment with newer, future-proofed installations
  - Encourage enhancements, innovation and sustainability
  - Obtain best value using Oregon Innovative Partnership Program

# Key Elements

- Provide EV charging infrastructure that is
  - Safe
  - Convenient
  - Cost-competitive
  - Reliable
  - Visible
  - Accessible
- Turnkey Service



## Key Elements, continued

- Other requirements
  - Ability to “remote start”
  - Open access
  - Required payment options
  - Interoperability
  - Ability for universal roaming
  - Ability to enable utilities to employ managed charging
  - Future-proofing
  - Matching funds



## Charging Station Requirements

---

- Certified, stationary, connected to the grid, and networked
- Meet provisions for use of WCEH branding & logo
- Accessible via smart phone app displaying operational status
- Transparent pricing
- Enhanced charging capability
- Other



# Signage Requirements

- Roadway direction signs
  - State highways
  - Local roads
  - City streets
  - EV Charging Station Symbol
- Coordinate with ODOT
- Meet federal standards
- No Parking Except Electric Vehicle parking signage suggested



# Application Scoring



Understanding

Clear & concise



Methodology

Logical  
Meets objectives



Management

Supports delivery  
Has systems in place



Costs

Detailed for each task

# Next Steps



Register

RFP posted to ORPIN  
(<https://www.oregon.gov/DAS/Procurement/Pages/ORPIN.aspx>)



Respond

Timely & responsive proposal



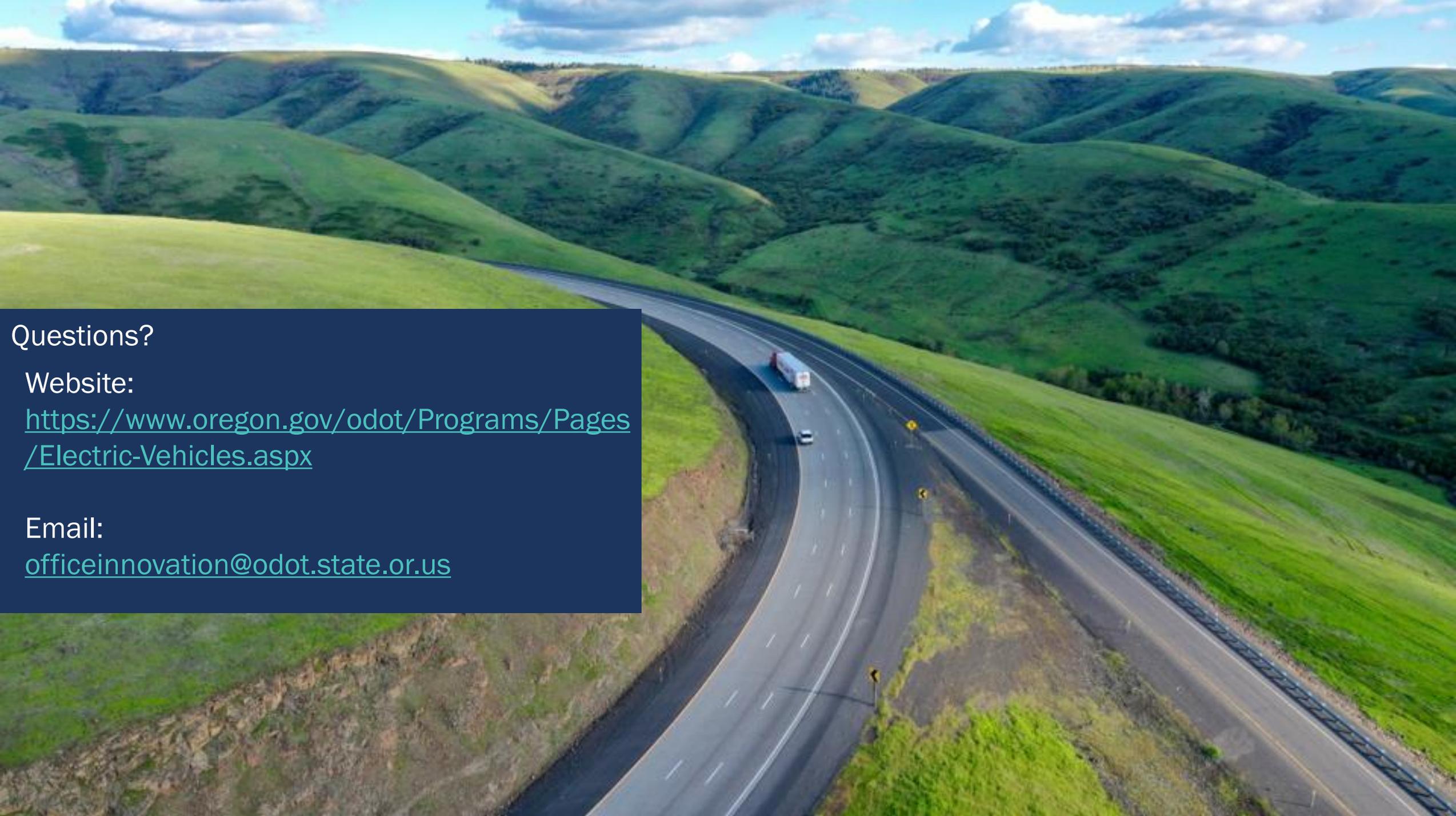
Review

Panel will review & score responsive RFPs



Negotiate

Looking for best value including price



Questions?

Website:

<https://www.oregon.gov/odot/Programs/Pages/Electric-Vehicles.aspx>

Email:

[officeinnovation@odot.state.or.us](mailto:officeinnovation@odot.state.or.us)