Pre-Proposal Webinar

Upgrade & Enhance Oregon’s West Coast Electric Highway

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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
Background – Oregon’s WCEH - 2012

- 44 sites
- Target: one every 25-50 miles
- Charging equipment
  - 50 kW DC Fast Charger (CHAdeMO)
  - 7.2 kW Level 2 EVSE (J1772)
- Developed with WS DOT
- Leveraged federal funding
- Partners: ODOT, WSDOT, AeroVironment, Electric Utilities, Host Sites, and EV Drivers
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

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

Timely & responsive proposal

Panel will review & score responsive RFPs

Looking for best value including price
Questions?

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

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