Driving PA Forward
DC Fast Charging and Hydrogen Fueling Grant
Application Webinar

Geoff Bristow – PA DEP
Oct. 25, 2018
• Driving PA Forward background

• DCFC and H2 Grant program overview
  o Funds available & grant amounts
  o Eligibility
  o Key elements
  o Project selection and site approvals
  o How to apply

• Application walk-through
Driving PA Forward

- Over $118M from Volkswagen Trust

- Beneficiary Mitigation Plan – PA’s strategy to achieve NOx reduction via transportation sector projects

- 8 funding programs, including 2 for light duty zero emission vehicle infrastructure

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**Driving PA Forward Diesel Programs ($million)**

- Ferries, Tugs, Freight Switchers: 8.9
- Multi Category Rebates: 5.9
- ZEV Supply Equipment Grants/Rebates: 5.9
- Heavy Duty Trucks & Transit Buses: 34.1
- DERA: 17.7
- GSE, Forklifts, Port Cargo: 16.1
- Ocean Going Shorepower: 29.9

Total = $118.5 (million)

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[www.depgis.state.pa.us/DrivingPAForward/]
DCFC and H2 Grant

• $3,000,000 available for publicly accessible:
  • DC Fast Charging stations
  • Hydrogen Fuel Cell Fueling stations

• Individual project grants – anywhere in PA

• Eligible applicants
  • Businesses
  • Non-profits
  • Governments (local, state, federal, & authorities)
  • Transportation & planning organizations

• 3 Application due dates in 2019
  • Jan. 15, July 15, Dec. 16
DCFC and H2 Grant

• DCFC projects: Grants available up to 75% of total project cost
• HFCF projects:
  • 250 kg/day capacity: Grants available up to 33% of total project cost
  • 100 kg/day capacity: Grants available up to 25% of total project cost
• Capped at $500k per application

• Reimbursement grant
DCFC and H2 Grant

- **Eligible costs**
  - Design
  - Equipment purchase & installation
  - Electric service upgrades & connection to grid
  - Charging network subscription (3 years max.)
  - Service contract (3 years max.)
  - Signage/lighting
  - Battery storage

- **Ineligible costs**
  - Permitting
  - Administrative
  - Electric/H2 supply
  - Real estate purchase/rental
  - Parking facility construction/maintenance
DCFC and H2 Grant

• Applicant proposes project location in application
• Applicant identifies primary category:
  • Community hub
  • Transportation corridor
  • Destination location
• Grant Agreement: 24-month total project period
• 12 months to finalize project site plans
  • Final site approval by DEP required prior to construction
  • If proposed site changes, must stay in same project category
DCFC and H2 Grant

- Multiple awards to applicant possible
- Multiple awards within corridor/hub/destination possible
- All projects must be publicly accessible 24/7
  - Multiple payment methods/real-time pricing displayed
  - No membership/subscription requirements allowed
DCFC and H2 Grant

• DCFC project requirements
  • Minimum 2 dual-port chargers with CCS and CHAdeMO plugs
  • 150 kW minimum per plug, 50 kW simultaneous
  • Networked
  • Data reporting

• HFCF project requirements
  • Minimum 100 kg/day capacity
  • NFPA, SAE protocols
  • Safety plan
DCFC and H2 Grant

Targeted Project Areas

• Major metropolitan statistical areas (MSA)
  • Philadelphia
  • Pittsburgh
  • Allentown
  • Harrisburg
  • Lancaster
  • Scranton/Wilkes-Barre

• Transportation Corridors
  • Within 2 miles of Primary Interstate Highways
  • Within 5 miles of designated Alternative Fuel Corridors
    • I-76, 79, 80, 90, 95, 376, 476
Additional Project Selection Criteria

• Proximity of amenities for drivers
  • Restrooms, food, shopping, wi-fi, attractions
• Match funding levels
• Project readiness
• Experience and qualifications
• Estimated emissions reductions
• Traffic density
• Future expansion capabilities and plans
Application Process

• eGrants link is on Driving PA Forward website
  http://www.depgis.state.pa.us/drivingpaforward/
  https://www.esa.dced.state.pa.us/Login.aspx
• Detailed Application Instructions provided
• Live walk-through
Questions?

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eGrants Application: Customer Service Center
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