



pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION



Energy Programs Office

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

Geoff Bristow – PA DEP

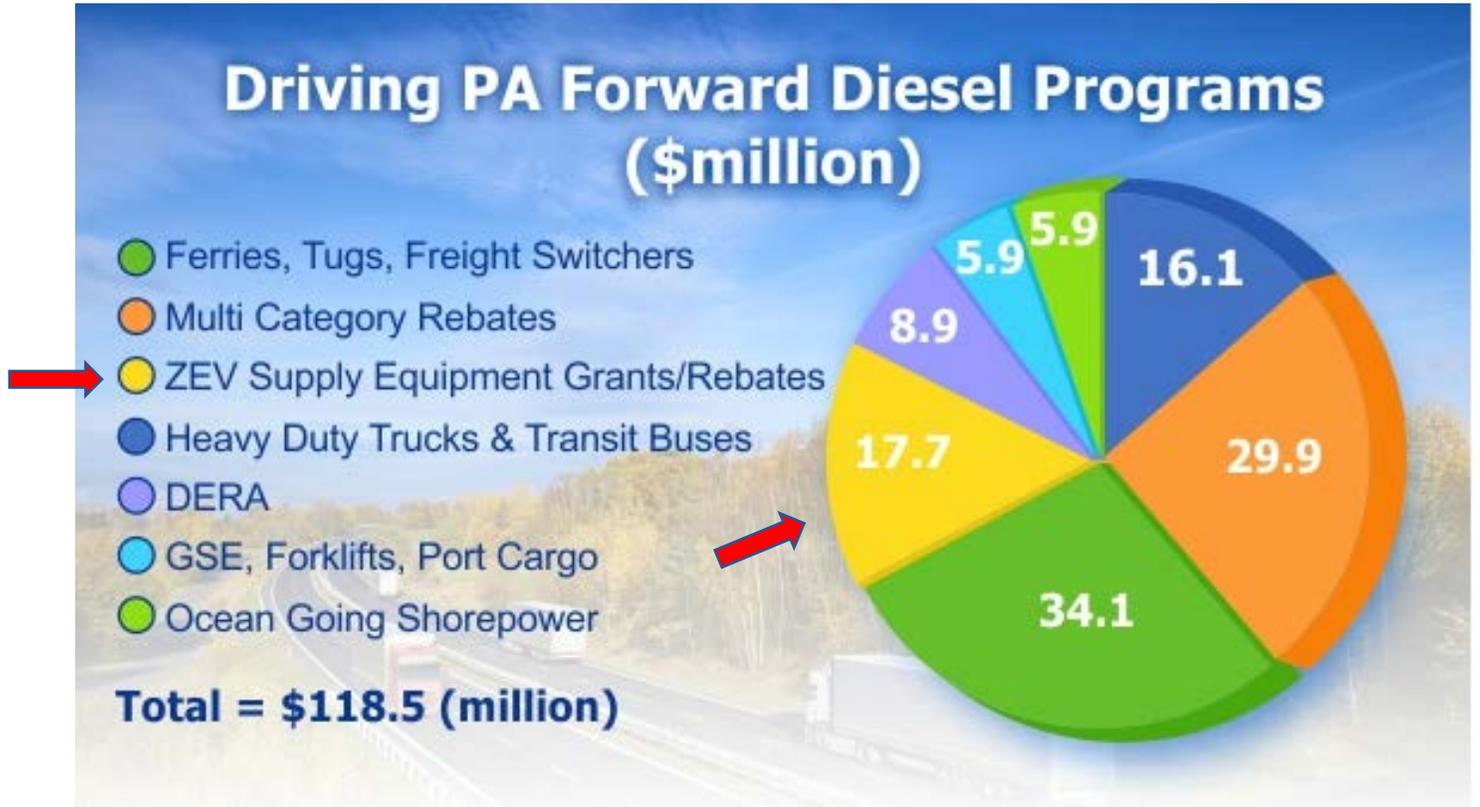
Oct. 25, 2018

Webinar Agenda

- Driving PA Forward background
- DCFC and H2 Grant program overview
 - Funds available & grant amounts
 - Eligibility
 - Key elements
 - Project selection and site approvals
 - 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



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

DCFC and H2 Grant

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



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION



Energy Programs Office

Questions?

Grant Program: Geoff Bristow

814-332-6681

RA-EPVWMITIGATION@pa.gov

gbristow@pa.gov

eGrants Application: Customer Service Center

1-800-379-7448

Ra-dcedcs@pa.gov