



Bureau of Air Quality

Electric Cargo Handling Grant Program Calendar Years 2019-2020

A Driving PA Forward Program

Overview and Application Process Webinar

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Presented by:

Valerie Shaffer

Pennsylvania Department of Environmental Protection

Bureau of Air Quality

Webinar Agenda

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2. Award Information
3. Eligibility Information
4. Funding Restrictions
5. Cost Share and Scrappage Requirements
6. General Conditions, Reporting, and Project Monitoring
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Background and Scope

- Reducing emissions from older diesel engines is a significant air quality challenge facing the Commonwealth of Pennsylvania. Newer engine technologies can significantly reduce these pollutants.
- The Wolf Administration has developed grant and rebate programs under the Driving PA Forward initiative:
 - To improve air quality in Pennsylvania
 - To drive transformation from older, polluting diesel engines to cleaner technologies
 - And reduce NO_x emissions from diesel-powered mobile sources through funding diesel emission reduction projects.
- The Electric Cargo Handling Grant Program is one of the Driving PA Forward grant programs developed by Pennsylvania's Department of Environmental Protection (DEP) to fund emission reduction projects with Pennsylvania's \$118.5 million allocation from the State Mitigation Trust.

Background and Scope

- The Electric Cargo Handling Grant Program specifically funds the replacement of older, diesel-powered equipment for new, all-electric versions of the following:
 - Forklifts (lift capacity greater than 8,000 lbs.)
 - Airport Ground Support Equipment (GSE)
 - Port Cargo Handling Equipment

Background and Scope

Definitions:

- **Forklift** – nonroad equipment used to lift and move materials short distances; generally includes tines to lift objects. Eligible types of forklifts include reach stackers, side loaders, and top loaders.
- **Airport Ground Support Equipment (GSE)** – vehicles and equipment used at an airport to service aircraft between flights.
- **Port Cargo Handling Equipment** - rubber-tired gantry cranes, straddle carriers, shuttle carriers, and terminal tractors, including yard hostlers and yard tractors that operate within ports.

Background and Scope

Definitions:

- **Port** – a site located at a point along navigable waters (seaport), at a point along an international border (border point), or at a location away from navigable waters or international borders that is used to facilitate the transfer of goods between modes of transportation including air, marine, rail, and truck (inland port or intermodal terminal).

Award Information

- \$3,000,000 available for CYs 2019-2020
- An application can target multiple replacements and multiple projects may be awarded to an applicant. However, the maximum award for an applicant is \$750,000.
- This program is offering funding as a reimbursement grant program. The grantee pays project costs and submits proof of paid invoices and project completion, including scrappage of the old equipment, and submits a reimbursement request to DEP. If DEP approves, the reimbursement request will be submitted to the Trustee for direct reimbursement to the grantee.
- Project Period - a grantee will have up to three years to complete the project once a grant agreement is executed.

Eligible Applicants

Eligible Applicants:

- Businesses
- Incorporated non-profits
- State, Local, and Tribal Governments
 - including port authorities
- Local, regional, or multi-state air quality or transportation organizations
- Metropolitan or rural planning organizations
- Some Federal agencies

Eligible Projects

Eligible Project Types - Repower or Replacement of:

- a diesel-powered forklift, with a lift capacity of greater than 8,000 pounds, with an all-electric engine, including costs of installation of a new engine (repower only) and charging infrastructure associated with a new, all-electric forklift with a lift capacity of greater than 8,000 pounds.
- a Tier 0, Tier 1, or Tier 2 diesel-powered airport GSE with an all-electric engine, including costs of installation of a new engine (repower only) and charging infrastructure associated with a new, all-electric version.
- diesel-powered port cargo handling equipment with an all-electric engine, including costs of engine installation (repower only) and charging infrastructure associated with new, all-electric equipment.

Eligible Projects

Eligible Diesel Vehicles:

- Port cargo handling equipment is limited to rubber-tired gantry cranes, straddle carriers, shuttle carriers, and terminal tractors, including yard hostlers and yard tractors that operate within ports.
- Eligible diesel-powered vehicles, engines, or equipment that are replaced must be scrapped.
- Vehicles eligible for replacement must have been in the applicant's fleet and used for their intended purposes for at least three (3) years prior to the application date **AND** must have at least three (3) years of useful life remaining, based on the applicant's normal attrition schedule.
- must operate predominately in Pennsylvania

Eligibility Information

Eligible Project Location:

- Eligible applicants, or the entities they represent, must have a physical location or base of operations located predominately within the boundaries of Pennsylvania, from which the equipment proposed for repower or replacement operates.

Ineligible Applicants:

- Businesses not incorporated or registered in PA.
- Individuals applying as individuals, not on behalf of an eligible applicant.

Eligibility Information

Projects NOT eligible for funding:

- Projects already completed or started prior to submitting an application to DEP.
- Projects with vehicles, engines, or equipment physically located entirely outside of Pennsylvania.
- Projects that are intended for fleet expansion.
- The repair or salvaging of a disabled vehicle, engine, or equipment.
- Projects that were previously funded by a different state or federally funded grant program.
- Projects that replace or repower an alternative fuel or gasoline vehicle, engine, or equipment.
- Projects where the vehicle, engine, or equipment is leased and not purchased outright. Financing of projects is allowed as long as all vendors are paid in full and the applicant will have ownership of the vehicle, engine, or equipment once all financing payments are completed.
- Projects with no measurable environmental net benefit for the Commonwealth.

Eligible Project Costs

All project costs that are eligible for grant funding must be necessary for and directly connected to the acquisition, installation, and operation of the new vehicle, engine, or equipment.

Project costs may include, but are not limited to the following:

- Purchase cost of the vehicle, engine, or equipment, including batteries
- Cost of engine installation for repowers
- Cost of electric charging infrastructure directly related to the operation of the new vehicle, engine, or equipment including: local electrical work permit costs / fees, electric service upgrades, cables, cable management systems, distribution control systems, and power distribution components.

Funding Restrictions

No funds awarded under the Electric Cargo Handling Grant Program may be used:

- for lobbying, or intervention in local, state, or federal regulatory or adjudicatory proceedings, and cannot be used to sue the Commonwealth of Pennsylvania or any other government entity.
- to cover expenses incurred prior to the project period set forth in an executed grant agreement. Additionally, expenses incurred prior to the project period set forth in any grant agreement resulting from this project solicitation are not eligible as a cost-share for proposed projects.
- to prepare the Electric Cargo Handling Grant Program application.
- for administrative costs.

Cost Share

Electric Cargo Handling Grant Program Reimbursement Chart

Project Type	Fuel/ Technology	Government Applicant* Cost Share	Non-Government Applicant Cost Share
Forklift Repower or Replacement	All-Electric	Up to 60% reimbursement / minimum 40% from applicant	Up to 40% reimbursement / minimum 60% from applicant
Airport GSE Repower or Replacement	All-Electric	Up to 60% reimbursement / minimum 40% from applicant	Up to 40% reimbursement / minimum 60% from applicant
Port Cargo Handling Equipment Repower or Replacement	All-Electric	Up to 60% reimbursement / minimum 40% from applicant	Up to 40% reimbursement / minimum 60% from applicant

*100% Reimbursement for Distressed
Municipalities (Act 47) with eligible projects

Cost Share

Voluntary Cost Share

- Voluntary cost share/overmatch - additional funds/resources above and beyond mandatory cost share.
- Not required but a voluntary cost share or overmatch may improve the environmental outputs and outcomes of the project; may also improve the cost-effectiveness of a project, resulting in a higher score during the evaluation process.
- If proposed, the voluntary cost share or overmatch funds must be included in the total for the match portion of the budget section of the application.

See the application instructions for allowable sources for match funds.

General Conditions, Reporting, and Project Monitoring

- **Public Disclosure of Application Documents**
 - The Electric Cargo Handling Grant Program applications and supporting documentation are public documents and subject to disclosure to the public upon request.
- **Additional Conditions**
 - All projects must be in compliance with all applicable local, state, and federal laws and must adhere to DEP guidance and policies.
 - Applicants must not have any outstanding obligations (financial or otherwise) to the Commonwealth and must not have any unresolved environmental violations.
 - Grantees must secure all permits or approvals otherwise required for the project to proceed, including permits required by DEP.

General Conditions, Reporting, and Project Monitoring

- **Reporting Requirements to DEP**

- Quarterly Reports: Quarterly reports will be due within 14 days after the end of each quarter during the project period. Reporting quarters end March 31, June 30, September 30, and December 31.
- Final Report: A final report will be due upon completion of the project, no later than 30 days after the Project Completion Date established by the grant agreement or future amendments.
- Annual Follow-Up Reports: An annual follow-up report will be due, at the earliest, one year after the completion of the project, but no later than one year and 30 days after the Project Completion Date. Annual reporting may be required for up to 3 years after project completion depending on project type.

General Conditions, Reporting, and Project Monitoring

- **Report Submission**

- This program uses an electronic reporting system.
- Successful grantees will be required to register and submit all required reports through the electronic reporting system.
- Registration and submission details will be included in the package with a fully executed grant agreement.

General Conditions, Reporting, and Project Monitoring

- **Financial Monitoring**

- Grantees must properly manage and account for funding received under the Electric Cargo Handling Grant Program and any matching funds provided by the applicant.
- No credit will be given for funds spent prior to the period of performance, unless otherwise approved in writing by DEP. All funding must be spent in accordance with the spending plan included in the grant agreement.
- Extensions of the grant period of performance will not be issued, unless DEP concludes it to be necessary based on its own determination or in response to an approved request from the grantee.

General Conditions, Reporting, and Project Monitoring

- **Financial Monitoring**

- Projects may be subject to PA Prevailing Wage Act requirements.
- DEP reserves the right to terminate the project and/or recover funding from grantees not properly managing the funding in accordance with the conditions of the program and the grant agreement.
- DEP reserves the right to inspect projects financed with Electric Cargo Handling Grant Program funds and to audit or require a third-party audit of any project's financial transactions or compliance with agreement terms.

General Conditions, Reporting, and Project Monitoring

Project Monitoring

- Grantees will be required to provide a status report with each application for reimbursement, as outlined in the grant agreement.
- DEP may, at any time during the project period, request an update on the status of the project.
- **Project Completion:**
 - The project must be completed in accordance with the specifics of the grant agreement.
 - Modifications will not be considered, except for very limited scope and budget changes. All changes must be approved by DEP.
 - An onsite inspection of the project work or waiver from DEP is required to confirm project completion. DEP will send written notification to the grantee when DEP has confirmed that the project work is complete.

Application Review and Scoring

- **Project Selection**

- Complete applications will be reviewed and evaluated by a panel of air quality experts using the same scoring criteria for each project.
- Applications with the highest scores will be considered first for funding.
- Other criteria, such as an applicant's past performance with completing DEP grants, or the Commonwealth's economic and environmental priorities, may be considered.
- DEP may offer full or partial funding for projects.

Application Review and Scoring

- **Scoring Criteria**

Some of the scoring criteria includes:

- Small business status
- Emission reductions, particularly NO_x reductions
- Cost effectiveness (\$/ton NO_x reduced)
- Match funding requirements
- Project location – environmental justice areas, priority counties, high-pollution areas, Act 47 municipalities
- Population density

Application Review and Scoring

- **Notification of Applicants**

- All applicants will receive notification whether or not they are being offered grant funding.
- Unsuccessful applicants can contact DEP to discuss the details of why the application was not selected.
- Successful applicants will be assigned a DEP project advisor and grantees may be required to meet with DEP staff to review grant agreement requirements.

How to Apply

- Grant applications must be submitted through the Department of Community and Economic Development's (DCED) Electronic Single Application website, **eGrants**, at:
<https://www.esa.dced.state.pa.us/Login.aspx>.
- Application Submission Period – The application submission period began on June 21, 2019, and will close at 4 p.m. on November 15, 2019. Once closed, DEP will review and score applications.
- Please see the Electric Cargo Handling Grant Program *Application Instructions* for detailed, step-by-step instructions for registering in **eGrants** and applying for the grant.

How to Apply

- **DEP Assistance and Contacts**

- Questions regarding the application process, including signing up for access and any issues with completing the online application should be directed to the DCED Customer Service Center at 1-800-379-7448. They are open 8:30 a.m. - 5:00 p.m. EST Monday thru Friday.
- Any questions about the contents of the application questions, or program details, should be directed to Driving PA Forward Program Staff at 717.787.9495, or by e-mail to RA-EPVWMITIGATION@pa.gov.

Website Information

<http://www.depgis.state.pa.us/DrivingPAForward/>

The following links are available on the Driving PA Forward website under the Grant and Rebate Programs section for the

ELECTRIC CARGO HANDLING GRANT PROGRAM

- Program Guidelines
- Application Instructions (including screenshots), and
- DCED's Electronic Single Application, ***eGrants***, log-in webpage

Application Instructions

- Next, during this webinar:
 - Live Demonstration of Application Process
 - Please note that there are screenshots available in Application Instructions to help you through the online application process



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Questions?