



Office of External Affairs

Pennsylvania's Natural Gas Vehicle Strategy

April 18, 2013

Pa. Natural Gas Vehicle Strategy

Why Natural Gas Vehicles?

- Air Quality Benefits
- Price to operate
- Stability of the fuel market
- Pennsylvanian Product

Pa. NGV Act 13 Grant Program

Funding Opportunities

- Act 13 Phase 1
- Act 13 Phase 2
- AFIG Competitive Grant
- AFIG Rebate Program

Pa. NGV Act 13 Grant Program

Background

- Authorized by Act 13 of 2012
 - Competitive reimbursement grant for purchase or retrofit of vehicles to run on natural gas
- Up to \$20 million over 3 years
 - \$10 million in FY '12-'13 (closed February 1, 2013)
 - \$7.5 million in '13-'14 (tentative opening date July 2013)
 - \$2.5 million in '14-'15 (tentative opening date July 2014)

Pa. NGV Act 13 Grant Program

Act 13 Focus Areas

- Fleet vehicles:
 - Dedicated CNG over 14,000 lbs,
 - Dedicated LNG over 14,000 lbs,
 - Bi-fuel over 14,000 lbs.

Pa. NGV AFIG Grant Program

Background

- The AFIG Fund was established under Act 166 of 1992.
- Up to \$10 million.
- Grant round to open in May 2013 for 60 days.

Pa. NGV AFIG Grant Program

AFIG Focus Areas

- Natural Gas Vehicles under 14,000 lbs. This is intended to complement the Act 13 NGV program.
- Any size electric, propane or other alternative fuel vehicles per application.
- Other innovation, development and alternative fuel for non-road vehicles.

Pa. NGV Grant Programs

The Basics

- Eligible costs:
 - Incremental purchase costs for new NGVs
 - Retrofit costs for existing vehicles
 - Equipment & installation costs only
- Ineligible costs:
 - Project development (engineering/FS/design)
 - Fueling infrastructure

Pa. NGV Grant Program

The Basics

- Grant awards capped at 50 percent of incremental purchase or retrofit cost per vehicle
- Grant awards capped at \$25,000 per vehicle

Pa. NGV Grant Program

The Basics

- Eligible applicants:
 - For-profit companies
 - Non-profit organizations
 - Commonwealth or municipal authorities
 - Pa. Turnpike Commission
 - State owned or state related universities
 - Local transportation organizations

Pa. NGV Grant Program

Personal Vehicle Rebates

- \$3,000 for vehicles with a battery system capacity 10 kWh or greater
- \$1,000 for vehicles with battery system capacity less than 10 kWh,
- \$1,000 are offered for natural gas, propane, hydrogen or fuel-cell vehicles,
- \$500 rebate is available for electric motorcycles and scooters.

Pa. NGV Grant Program

Additional initiatives

- Air Quality permit exemption for NGV fueling stations. (Exception 33)
- Mapping the location of all NGV fueling stations. (Both current and proposed)
- The inclusion of NGVs in our K-12 energy education efforts.

Pa. NGV Grant Program

Recommendations

- Begin vehicle evaluations now
 - Identify best candidates for replacement and retrofit
 - Identify NGV options
- Identify likely fuel strategy or station(s)
 - Existing: verify availability and accessibility
 - New: determine costs, time needed, fuel source

Pa. NGV Grant Program

Recommendations

- Don't wait until last minute!!
- Seek out other project partners, explore upcoming outreach efforts on DEP's website:

www.depweb.state.pa.us



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Questions?



pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION



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