Pennsylvania’s Natural Gas Vehicle Grant Program

September 14, 2012
Today’s Objective

• Review PA’s Natural Gas Vehicle Grant program
The Basics

• Authorized by Act 13 of 2012
  – Competitive reimbursement grant for purchase or retrofit of natural gas vehicles

• Up to $20 million over 3 years
  – $10 million in FY ‘12-’13 ($5 million to local transportation organizations)
  – $7.5 million in ’13-’14 (50% to local transportation organizations)
  – $2.5 million in ‘14-’15
Pa. NGV Grant Program

The Basics

• Eligible costs:
  – Incremental purchase costs for new NGVs
  – Retrofit costs for existing vehicles
  – Equipment & installation costs only

• Ineligible costs:
  – Fueling infrastructure
  – Project development (engineering/FS/design)
The Basics

• Grant awards capped at 50 percent of incremental purchase or retrofit cost per vehicle
• Grant awards capped at $25,000 per vehicle
The Basics

- Eligible vehicles:
  - Dedicated CNG vehicles
  - Dedicated LNG vehicles
  - Bi-fuel vehicles
    - Fueled in part by NG and in part by diesel or gasoline
  - 14,000 lb. or greater GVW
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
The Basics

• Eligible applicants - Local Transportation Organizations
  – Political subdivisions (municipalities, school districts)
  – Non-profit entities providing public transportation service
  – Public transportation, port, and redevelopment authorities
Pa. NGV Grant Program

Key Considerations

- Minimum vehicles per project application is 5
- All vehicles must be registered in Pa.
- All NGVs must meet EPA requirements
- Applicant must identify intent to use federal funds, if available
Key Considerations

• Vehicles from multiple owners can be aggregated under one application
  • All vehicle owners must be eligible applicants as defined by Act 13
  • All vehicles in the application must be related through common, primary fueling station
  • There is no threshold number of vehicles per participant in an aggregated application – but total must be at least 5
  • Signed resolution among participating owners
Pa. NGV Grant Program

Key Considerations

- $300,000 grant award limit for projects using existing fueling infrastructure
- $500,000 grant award limit for projects that include construction of new fueling infrastructure
- 18 month project completion period
- Grant is not retroactive
- Only vehicle owners can be reimbursed
Application Requirements

• Project Narrative - general description of your NGV plans and activities
  – Number & types of vehicles
  – Description of fuel source and fuel strategy
  – Projected fuel use in GGE
  – Description of financial viability w/in 4 years
  – Total incremental purchase/retrofit costs
  – Amount of grant request
Pa. NGV Grant Program

Application Requirements

• Documentation of financial ability to complete the vehicle purchase/retrofits

• Proof of fueling availability
  – Existing: letter from owner/operator verifying capability to meet the fuel demand
  – New: documentation from owner/builder verifying
    • Construction plans, including timelines
    • Proof of NG availability (from utility or well owner)
# Pa. NGV Grant Program

## Application Requirements

- **Vehicle Summary Worksheet** *(incremental purchase)*

<table>
<thead>
<tr>
<th>Year</th>
<th>Make</th>
<th>Model</th>
<th>Expected annual miles</th>
<th>G/VW</th>
<th>CNG (C) LNG (L) Or Bi-Fuel (B)</th>
<th>Does EPA-certified NG system exist?</th>
<th>Estimated GGE per year to be consumed</th>
<th>New vehicle purchase price</th>
<th>Incremental purchase cost (Upfit Cost)</th>
<th>Grant Request (max 50% or $25k)</th>
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### Pa. NGV Grant Program

#### Application Requirements

- **Vehicle Summary Worksheet** *(existing vehicle retrofits)*

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<tr>
<th>Year</th>
<th>Make</th>
<th>Model</th>
<th>GVW</th>
<th>Odometer reading</th>
<th>Avg. miles driven per year</th>
<th>Avg. fuel consumed per year</th>
<th>Diesel (D) or Gasoline (G)</th>
<th>Current PA Reg.?</th>
<th>CNG (C) LNG (L) Or Bi-Fuel (B)</th>
<th>Does EPA-compliant conversion system exist?</th>
<th>Estimated GGE per year after retrofit</th>
<th>Conversion Cost (max 50% or $25k)</th>
<th>Grant Request (max 50% or $25k)</th>
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Pa. NGV Grant Program

Proposed Timeline

• Grant application period open: 12/1/12
• Grant applications due: 2/1/13
• Grant awarded late March 2013
• Grant period is 18 months from award date
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
Recommendations

- Seek out other project partners
- Don’t wait until last minute!!
Questions?