



NATURAL GAS

save today, save tomorrow

Natural Gas Vehicles



National Fuel
www.nationalfuelgas.com

NGV Market Support Activities

National Fuel Gas Distribution Corporation

Pennsylvania Division

- **Public Education & Outreach**
- **Consultative Services**
- **NGV Service Rate**
- **Load Justified Investment**
- **RD&D Program**

Public Education & Outreach

National Fuel Gas Distribution Corporation

Pennsylvania Division

- National Fuel conducts and/or sponsors NGV forums across its service territory, including the PA DEP NGV Seminar, to assist public officials and public/private fleet operators understand the potential economic and operational advantages of natural gas as a vehicular fuel.
- Educational brochures, trade materials, advertising and an NGV webpage support market development.

Consultative Services

National Fuel Gas Distribution Corporation

Pennsylvania Division

- Utilize account representatives to identify prospective NGV opportunities.
- Provide one-on-one consultation to fleet operators to assess the potential economic benefits of using natural gas as a transportation fuel based on the unique operating profile of the specific fleet.
- Provide information related to technology, rate options, vendor referrals and critical locational issues.

NGV Service Rate

National Fuel Gas Distribution Corporation
Pennsylvania Division

- National Fuel offers a rate option specifically designed for natural gas vehicle fueling, whether private/public fleet operators or third-party commercial fuel retailers.
- The design of the NGV Service Rate permits flexibility in setting a rate within a pre-set range based on competitive market conditions.
- Customers also have the choice to utilize traditional sales service or transportation service rates.

Load Justified Investment

National Fuel Gas Distribution Corporation

Pennsylvania Division

- **Per the standard Load Justified Investment mechanism outlined in the Tariff, NGV projects resulting in new or incremental revenues receive a contribution from National Fuel toward the cost of installing main, service and/or metering based on customer commitments for volume, term and rate.**
- **The customer is only responsible for the facility costs, if any, beyond that covered by the Load Justified Investment by National Fuel.**

RD&D Program

National Fuel Gas Distribution Corporation Partnership with Gas Technology Institute

- **National Fuel invests in technical research through the Gas Technology Institute (GTI) to advance natural gas vehicle and fueling technology, including the development of higher capacity fuel storage systems to extend range, residential-scale home fueling systems and improved design and manufacturing processes to reduce cost premiums for natural gas vehicle and fueling systems.**
- **Every \$1 of National Fuel investment in GTI NGV-related projects has leveraged an additional \$100 in RD&D funding support over the past two years**

RD&D Program Investments

Natural Gas Vehicles

Gas Technology Institute

- Engine Development
- Mobile Fleet Fueling
- Home Fueling
- Low Cost & Scalable Storage Cylinders
- Long-Haul Tractor Trailer Integrated Storage
- Metering Systems
- Dispensers
- Station Modeling & Software Tools
- High-Pressure Compressed Gas Test Facility

RD&D Program

National Fuel Gas Distribution Corporation

Local Demonstration Projects

- **National Fuel has supported feasibility studies and local demonstration projects on a limited basis to promote the development of critical vehicle technology and fueling infrastructure to facilitate customer fleet conversion decisions.**

RD&D Program Investments

National Fuel Gas Distribution Corporation

Local Demonstration Project Example

- ❖ “O” Ring CNG Fuel Systems
 - Public CNG Fueling Facility at I-80/Brookville Interchange
 - Multi-Fuel Facility (CNG, LPG, Diesel, Gasoline) for Light, Medium & Heavy Duty Vehicle Fueling
 - Education Center
 - ✓ Natural Gas Vehicle Information
 - ✓ Natural Gas Industry Information
 - ✓ Natural Gas Industry Training Program -
Community College of Allegheny County
 - ✓ Conference Facilities

“The verifiable abundance, affordability and favorable environmental qualities of natural gas makes it the only domestic energy source capable of simultaneously increasing our energy security, decreasing our dependence upon imported oil, and reducing emissions of pollutants.”

- American Clean Skies Foundation

