



Alternative Fuels Incentive Act Fund



pennsylvania
DEPARTMENT OF ENVIRONMENTAL
PROTECTION

Executive Summary

This Alternative Fuels Incentive Act Program Annual Report was prepared by The Department of Environmental Protection (DEP) for submission to the Environmental Resources and Energy Committees of the Senate and House of Representatives of the Pennsylvania General Assembly, respectively in accordance with state law. Pennsylvania is continuing its progress in growing a market for alternative fuels such as natural gas, propane, electricity and biofuels through the development of alternative fuel fleet vehicles, and alternative fuel storage and refueling systems. This report summarizes the activities involved in the administration of the alternative fuels incentive grant and alternative fuel vehicle programs; including the number of grants awarded, rebates given, as well as other expenditures and activities undertaken pursuant to the Alternative Fuels Incentive Act. This report also details the awards granted from the 2016 solicitation cycle. A listing of rebate awards, notable completed grant projects, and program and grant project expenditures during the July 1, 2015 to June 30, 2016 fiscal year are included in this report.

INTRODUCTION

DEP administers a grant and rebate program to promote the use of alternative fuels in Pennsylvania under the Alternative Fuels Incentive Act (Act of Nov. 29, 2004, P.L. 1376, No. 178). This program was originally created in 1992 and administered by the Pennsylvania Energy Office through Chapter 72 of the Vehicle Code. The Alternative Fuels Incentive Grant (AFIG) Program was expanded in 2004 and 2008. In addition, an Alternative Fuel Vehicle (AFV) Rebate Program was created.

PROGRAM OVERVIEW

The AFIG and AFV Rebate programs have helped to decrease Pennsylvania's dependence on imported oil and improve air quality by reducing vehicle emissions of carbon monoxide and particulate matter (the pollutants that contribute to the formation of ground-level ozone), as well as carbon dioxide (a principle greenhouse gas).

The AFIG Program has fostered economic development in Pennsylvania by encouraging the transfer and commercialization of innovative energy technologies and the use of the state's indigenous fuels. The fuels promoted by the program include ethanol, biodiesel, compressed and liquefied natural gas (CNG and LNG), hydrogen, hythane (a combination of compressed natural gas and hydrogen), liquefied petroleum or propane gas (LPG), electricity and fuels derived from coal and biomass.

The AFIG and AFV Rebate programs support DEP's objectives of reducing emissions from mobile sources to improve air quality and stimulating the use of domestically produced fuels. DEP has encouraged the development of partnerships among Pennsylvania businesses; the alternative fuel providers; and key local, state and federal government agencies to accomplish the objectives of the Alternative Fuels Incentive Act. The AFIG Program also offers compliance incentives to fleet operators impacted by the federal energy policy acts of 1992 and 2005.

The Alternative Fuels Incentive Act requires DEP to establish a formula and method to award AFIG Program grants. DEP is also required to establish a method to prioritize the grant applications to achieve identified goals and criteria, including the following:

1. The improvement of Pennsylvania's air quality.
2. The fulfillment of Pennsylvania's responsibilities under the Clean Air Act (69 Stat. 322, 42 U.S.C. § 7401 et seq.).
3. The protection of Pennsylvania's natural environment, including land, water and wildlife.
4. The advancement of economic development in Pennsylvania and the utilization of the state's indigenous resources.
5. The reduction of Pennsylvania's dependence on imported crude oil and other petroleum products.
6. The most cost-effective use of private and public funding.
7. The transfer and commercialization of innovative alternative energy technologies.

The AFIG and AFV rebate programs are funded with an annual allocation from the General Fund equal to 0.25 mills of the utilities' gross receipts tax, which has ranged between \$5 and

\$6 million dollars annually over the years. Up to 1.5 percent of the funds may be used to administer these rebate programs, and up to 0.5 percent may be used for program education and public outreach. The unspent portion of the annual allocation does not lapse and can be used for projects on a continuing basis.

The Alternative Fuels Incentive Act provides incentive grants that pay a percentage of each applicant's eligible project costs. The remaining project costs are paid by the grantee from other sources.

In 2016, the AFIG program has implemented a new competitive solicitation process whereby the opportunity to submit an application for grant funding will remain open continuously throughout calendar year 2016.

Applications received during each submission period are collected from DEP's eGrants and evaluated after the end of each submission period. Submission period end dates were: April 29, 2016, August 26, 2016 (extended to September 9, 2016), and December 30, 2016.

The following limitations may apply to the AFIG competitive solicitation and AFV rebate programs:

1. A single funding recipient can receive no more than 10 percent of the funds available in any one funding year.
2. The total dollar amount of awards to recipients operating within and including any county shall not exceed 15 percent of the funds available in any one funding year.
3. If the total funding to be awarded in a funding year is less than the amount available for that year, then DEP may increase the established 10 percent and the 15 percent funding levels in (1) and (2) above, not to exceed 40 percent of the fund.
4. DEP reserves the right to not award any additional funds to applicants that have not completed projects funded by the AFIG Program.
5. Applicants who have received grants and completed projects through the AFIG Program, but have failed to submit the proper reporting forms, may not be considered for funding.

2015-16 PROGRAM YEAR REVIEW

The following is a report on programs which were available during the period of this report, July 1, 2015 through June 30, 2016:

Alternative Fuel Incentive Grant Solicitation 2016

The 2016 Alternative Fuels Incentive Grant Program began accepting applications through the DEP eGrants system on February 20, 2016. The program remained open continuously through the 2016 calendar year, with three submission periods approximately four months in length, during which prospective applicants may submit applications for consideration. These submission periods ended April 29, September 9, with the final submission period ending on December 30, 2016. The AFIG program was open to applications for projects involving the purchase and/ or conversion of alternative fuel vehicles, projects resulting in the installation of alternative fuel refueling infrastructure, projects that promote innovative alternative fuel technology, and projects involving the incremental purchase of biofuel. After each submission period, AFIG staff evaluated all applications received to determine grant awards.

Alternative Fuels Incentive Grant Program 2016 Submission Period One Summary

The first submission period ended on April 29, 2016 with a total of 30 applications submitted resulting in a total grant fund request of \$7,083,150. 13 applications were submitted in the Vehicle Retrofit and/or Purchase category, 4 applications were submitted in the Innovative Technology category and 13 applications were submitted in the Refueling Infrastructure category. No applications were submitted in the Biofuel Use category. After evaluation by DEP staff, 10 projects were recommended for funding for a total of \$1,628,766 in grant funding. The recommended projects included 8 Vehicle Retrofit and/or Purchase projects, 1 Innovative Technology project, and 1 Refueling Infrastructure project.

Vehicle Retrofit and/or Purchase Projects:

Vehicle retrofit and/or purchase projects include the incremental cost of the purchase of new alternative fuel vehicles of any type or size or the incremental cost to retrofit new or existing vehicles to operate on alternative fuels of any type or size.

- Total Number of Applications: **13**
- Approved Projects: **8**
- Total Grant Request: **\$1,555,934**
- Awarded Grant Funding: **\$920,269**
- Total Number of Vehicles Applied For: **183**
- Total Number of Awarded Vehicles: **101**
- Total Estimated GGE saved per year: **981,401**
- New Fueling Stations Supported: **7**
- Existing Fueling Stations Supported: **2**

Awarded Projects:

Awardee: Upper Moreland Township School District

Applicant Address: 2900 Terwood Road Willow Grove, PA 19090

Project: Propane School Bus Conversion Project

County: Montgomery

Award Total: \$174,566

Number of Vehicles: 41

Estimated GGE saved per year: 41,544

Project Description: The project is to help Upper Moreland School district procure 41 new school busses, thirty-five 72 passenger busses and six medium-sized school buses to operate on propane.

Awardee: United Parcel Service

Applicant Address: 55 Glenlake Parkway Atlanta, GA 30328

Project Site: UPS 700 Blair Mill Rd Horsham, PA 19044

Project: Willow Grove CNG Vehicle Conversion Project

County: Montgomery

Award Total: \$200,000

Number of Vehicles: 20

Estimated GGE saved per year: 462,963

Project Description: The project is a conversion of 20 of UPS's class 8 Kenworth T680 tractors to compressed natural gas (CNG). The successful implementation of this project will be used to evaluate the potential conversion of the other 88 vehicles at the Willow Grove depot.

Awardee: Freight Equipment Leasing, LLC

Applicant Address: 15 27th Street Pittsburgh, PA 15222

Project Site: 1 Rich Hill Road Cheswick, PA 15024

Project: Harmar 2016 Expansion: Phase 1

County: Allegheny

Award Total: \$200,000

Number of Vehicles: 12

Estimated GGE saved per year: 240,000

Project Description: This project is the purchase of twelve CNG tractors. The trucks will operate out of the Pitt Ohio's Harmar Township facility, and will be refueled at the proposed adjacent American Natural Station.

Awardee: Nelson Business Enterprises

Applicant Address: 3990 Ashland Drive, P.O. Box 799 Skippack, PA 19474-0799

Project: Company Gas Autos to Company Electric Autos

County: Bucks

Award Total: \$33,741

Number of Vehicles: 3

Estimated GGE saved per year: 2,052

Project Description: The project is to convert the 3 company autos to BMW I3's with range extenders so that they can eliminate almost all gas usage and fully migrate to electric only transportation. Nelson plans to also market heavily this forward-thinking conversion to use of electric vehicles to their clients. This project will also result in the provision of company installed home chargers for the employees who are provided with vehicles. An electric vehicle charging station will also be installed at the office which will have limited availability to the public.

Awardee: E&B Transportation Co.

Applicant Address: 186 Old US Rte 15 York Springs, PA 17372

Project: Propane School Bus Fleet

County: Adams

Award Total: \$22,500

Number of Vehicles: 5

Estimated GGE saved per year: 12,143

Project Description: The project will result in E&B's first purchase of 5 propane-powered school buses. E&B currently owns a fleet of 75 diesel school buses.

Awardee: Compass Natural Gas Partners, LP

Applicant Address: 1215 Manor Drive Suite 302 Mechanicsburg, PA 17055

Project Site: Quaker CNG Truck Terminal 1625 State Route 87 Montoursville, PA 17754

Project: CNG Trucks for Quaker CNG Fueling Terminal

County: Lycoming

Award Total: \$140,000

Number of Vehicles: 7

Estimated GGE saved per year: 46,667

Project Description: The project will result in the purchase of a fleet of (7) new dedicated CNG trucks. These trucks will transport tube trailers loaded with CNG from their fueling terminal located in Lycoming County, to Pennsylvania end use customers.

Awardee: Constructural Dynamics

Applicant Address: 355 Newbold Road Fairless Hills, PA 19030

Project Site: Silvi Concrete 17 Penn Rd Pottstown, PA 19464

Award Total: \$133,165

Number of Vehicles: 10

Estimated GGE saved per year: 85,714

Project Description: The project is to purchase ten (10) CNG heavy-duty concrete mixer trucks in Pennsylvania. The 10 CNG trucks will use 80,000 GGE of CNG a year (8,000 GGE/truck), and fuel at 2 new Silvi Concrete CNG stations located in Pottstown and Downingtown.

Awardee: Francis J. Palo, Inc.

Applicant Address: 309 South 4th Ave. Clarion, PA 16214

Project: Francis J. Palo Inc. CNG Vehicles

County: Clarion

Award Total: \$16,297.50

Number of Vehicles: 3

Estimated GGE saved per year: 4,604

Project Description: The project will convert two new 2015 Chevy 1500 pickup trucks and one new 2016 Chevy 3500HD pickup truck to bi-fuel CNG usage. Francis J. Palo Inc. had a 2013 AFIG grant, and successfully converted vehicles to CNG during the course of the project.

Innovative Technology Projects:

Innovative Technology Projects include research, training, development and demonstration of new applications or next phase technology related to alternative transportation fuels and alternative fuel vehicles.

- Total Number of Applications: **4**
- Approved Projects: **1**
- Total Grant Request: **\$1,304,569**
- Awarded Grant Funding: **\$250,300**

Awarded Project:

Awardee: Partnerships One, LLC

Applicant Address: 32 Woodlane Rd Lawrenceville, NJ 08648

Project Site: GridSTAR 1201 Normandy Pl. Philadelphia, PA 19112

Project: Electric Vehicle-Grid-Integration

County: Philadelphia

Award Total: \$250,300

Project Description: The project is an electric vehicle-to-grid integration project at the Penn State GridSTAR Center in Philadelphia. This project will create and demonstrate hardware and software to manage electric vehicle charging and other building loads to provide ancillary services to the grid and resiliency to the vehicle owner. Additional software to aggregate a number of vehicles to meet the minimum capacity for ancillary service revenue will also be created and demonstrated. The result will be system that can provide valuable services to the grid and a financial incentive to increase electric vehicle ownership.

Refueling Infrastructure Projects:

Refueling infrastructure projects are projects that support the purchase and installation of refueling equipment. The two types of projects that are considered for funding include Fleet Refueling; refueling equipment that services, at a minimum, one fleet of 10 or more alternative fuel vehicles with a GVWR less than 26,000 lbs., and Home Location Refueling; equipment that is located at a vehicle's or vehicles' home location servicing only vehicles with a GVWR less than 10,000 lbs.

- Total Number of Applications: **13**
- Approved Projects: **1**
- Total Grant Request: **\$4,222,674**
- Awarded Grant Funding: **\$458,197**

Awarded Project:

Awardee: Upper Moreland Township School District

Applicant Address: 2900 Terwood Road Willow Grove, PA 19090

Project: Propane Fueling Station Project

County: Montgomery

Award Total: \$458,197

Project Description: The project is to construct a propane fueling station for the new fleet of school buses that will operate using propane as a vehicle fuel. The project will help the township diversify its energy portfolio by converting some of its 59 school buses to run on propane.

AFIG 2015-2016 Project Summary

Between July 1, 2015 and June 30, 2016, the AFIG program had 17 projects that were successfully completed by grantees. These projects expended \$1,297,628 in grant funds. These projects are as follows:

PROJECT NAME	FUNDING RECIPIENT	PROJECT TYPE	TOTAL AMT REIMBURSED
CNG Fleet Conversion Completion	Clearfield County Area Agency on Aging, Inc. (CCAAA, Inc.)	Vehicle Retrofit and/or Purchase	\$28,994
Aqua Pennsylvania CNG Van Deployment Project	Aqua Pennsylvania, Inc.	Vehicle Retrofit and/or Purchase	\$55,807
Lancaster Fleet Conversion Project	City of Lancaster	Vehicle Retrofit and/or Purchase	\$29,723
Francis J. Palo Inc. Alternate Fuel Fleet	Francis J. Palo, Inc.	Vehicle Retrofit and/or Purchase	\$43,054
Demonstration and Pilot Production of All-Climate Battery (ACB) for Electric Vehicles	EC Power LLC	Innovative Technology	\$148,818
Seven Springs Busing Transportation Upgrades	Seven Springs Farm Inc.	Vehicle Retrofit and/or Purchase	\$33,580

PROJECT NAME	FUNDING RECIPIENT	PROJECT TYPE	TOTAL AMT REIMBURSED
Development of a Natural Gas Retrofit Kit for Gasoline Direct Injection (GDI) Engines	FYDA Freightliner Pittsburgh DBA Fyda Energy Solutions, Inc.	Innovative Technology	\$297,167
Propane upfit of service & delivery vehicles	McKean Plumbing, Heating, & Supply Co., Inc.	Vehicle Retrofit and/or Purchase	\$4,000
Pennsylvania-American Water CNG Implementation Project	Pennsylvania American Water Company	Vehicle Retrofit and/or Purchase	\$46,645
CWM - Fleet CNG Retrofit	CWM Environmental, Inc.	Vehicle Retrofit and/or Purchase	\$25,488
Business Coalition of Clarion County for CNG Vehicles	Redbank Chevrolet, Inc.	Vehicle Retrofit and/or Purchase	\$80,543
EMS Southwest, Inc.; Fuels Grant	EMS Southwest, Inc.	Vehicle Retrofit and/or Purchase	\$24,600
Shiple Energy Propane Small Vehicle Fleet Conversions	Shiple Energy Company	Vehicle Retrofit and/or Purchase	\$24,483
NB Natural Gas Vehicles	New Bethlehem Borough	Vehicle Retrofit and/or Purchase	\$15,564
Heller's LP Gas Powered Trucks	Heller's Gas, Inc.	Vehicle Retrofit and/or Purchase	\$22,931
AutoLion™ - an essential enabling technology for fuel efficient vehicle electrification	EC Power LLC dba EC Power	Innovative Technology	\$400,000
Natural Gas Vehicles	Environmental Remediation & Recovery, Inc.	Vehicle Retrofit and/or Purchase	\$16,234

Note: Between July 1, 2015 and June 30, 2016 six AFIG awardees requested termination of their grant project as they were unable to complete their projects. No funds were expended by any of the projects granted termination by the AFIG program. The two prevailing reasons for these requests were inability to acquire vehicles and/or equipment in a reasonable timeframe and the failure of the refueling infrastructure the projects were relying on to be completed or available.

Alternative Fuels Incentive Grant Program Recent Success Stories

Aqua Pennsylvania Inc., Multiple Counties: Aqua Pennsylvania Inc. was awarded a grant for \$55,807 for the purchase of nine CNG vans. Aqua uses these CNG vans to service their water customers in the inspection of pipeline restoration work and operates them along all major roads and highways in Southeast Pennsylvania, primarily in the counties of Chester, Delaware, and Montgomery. The total project cost was \$362,587. Since completion of the project the vehicles have displaced 14,662 gallons of gasoline per year and have had fuel cost savings of \$3,046. As a result of the project, Aqua PA has decided to purchase more CNG vehicles and CNG expansion has also begun in other Aqua subsidiaries as well.

New Bethlehem Borough, Multiple Counties: New Bethlehem Borough was awarded a grant of \$55,620 for the purchase and conversion of three new bi-fuel CNG vehicles. Project included one Police cruiser (Ford Taurus), one F150 pickup and one 2500HD pickup. Total project cost was \$188,000. The New Bethlehem Borough Police Department reports that they have not only saved money on fuel costs, but also helped their local government as well. New Bethlehem was a non-affluent community, so all money saved in fuel costs has been added back into the budget to help with other areas of need. With the grant help they were able to purchase a fueling station for municipal vehicle use at New Bethlehem Borough Police Station. The vehicles are anticipated to displace approximately 4,500 gallons of gasoline per year. Anticipated annual fuel cost savings \$1,000 each year.

Alternative Fuels Incentive Grant Fuel Usage Summary

Since 2013, the Alternative Fuel Incentive Grant Program has provided \$7 million to 66 awardees to support the purchase or conversion for light and medium duty natural gas vehicles as well as propane and electric fleet vehicles of any size. The alternative fuel vehicles funded since 2013 are, collectively, calculated to displace an estimated 2.4 million Gasoline Gallon Equivalents per year once fully deployed. Since follow-up annual fuel reporting requirements have just started for grantees that are completing projects awarded in 2013, actual performance data is not available to report at this time. However, it is possible to estimate total natural gas fuel consumption under this program based on vehicle-specific calculations for the alternative fuel vehicles that have been completed thus far.

So far, DEP has reimbursed grantees for the purchase or conversion of 453 vehicles totaling over \$2.6 million in program funds disbursed. The 453 vehicles are estimated to be displacing over 1.1 million gasoline gallon equivalents per year. Over \$5.3 million in actual incremental costs have been expended on alternative fuel vehicles due to this program.

Alternative Fuels Vehicle Rebate Program

The AFV Rebate Program supports Pennsylvania residents who purchase a new qualified alternative fuel vehicle which is registered in Pennsylvania and powered by CNG, electricity, fuel cells (FC) or LPG.

From July 1, 2015, to June 30, 2016 the following rebates were offered:

- \$2,000 rebate for a PHEVs or EVs with battery system capacity equal/greater than 10 kWh (limited to first 500 qualified applicants)
- \$1,000 rebate for a PHEVs or EVs with battery system capacity less than 10 kWh, CNG vehicles (Original Equipment Manufacturer/Certified Retrofit), LPG vehicles, hydrogen and/or FC vehicles
- \$500 rebate for electric motorcycles/scooters

DEP approved 616 rebates for alternative fuel vehicles purchased and then registered in Pennsylvania (see details below) from July 1, 2015 through June 30, 2016. This represents an increase of 182 rebates processed compared to FY 2014-15 while the rebate incentive rate remained the same. DEP disbursed \$947,000 in rebate reimbursements during this time period.

Project	No. Of Rebates	Rebate Amount
Electric Motor Cycles	6	\$4,500
Electric Vehicle (capacity < 10kWh)	19	\$21,000
Electric Vehicle (capacity >= 10kWh)	378	\$615,000
PHEV (capacity < 10 kWh)	29	\$31,000
PHEV (capacity >= 10kWh)	184	\$275,500
Totals	616	\$947,000

**STATEMENT OF REVENUES AND EXPENDITURES
ALTERNATIVE FUELS INCENTIVE GRANT FUND
As of June 30, 2016**

Beginning Balance - July 1, 2015	18,864,533
Cycle 23 Revenue - Transfer made in May 2016	5,223,414
Expenditures (which includes Rebates)	
Personnel:	-86,092
Operating:	-3,390
Grants:	-2,349,721
Rebates:	-946,500
 Total Expenditures:	 -3,385,703
Ending Balance - June 30, 2016	20,702,244

The fund balance of **\$20,702,244** on June 30, 2016, contained:

- \$6,732,851 of committed grant contract obligations,
- \$1,628,766 of grant awards awaiting to be committed into grant contracts,
- \$1,000,000 of programmatic set aside for rebate payments,
- \$ 150,000 in planned operational costs,
- \$5,000,000 transferred to General Fund in July 2016
- \$20,000 E-Grants expense in July 2016

This results in a current uncommitted balance of **\$6,170,627**.

Note: **\$5,223,414** of the uncommitted balance was received into the AFIG account in May 2016.

****Grant Expenditures**

Project Type	Expenditures
Fleet Purchase/Retrofit	\$1,114,290
Biodiesel Incremental Buy-down	\$211,782
Innovation	\$1,023,649
Total	\$2,349,721

2015-2016 ACTIVE PROJECTS

The following are current/active AFIG projects as of November 2016:

Alternative Fuels Incentive Grant Program 2013

PROJECT NAME	FUNDING RECIPIENT	COUNTY	PROJ STATUS	TOTAL GRANT FUNDING	TOTAL AMT INVOICED	% COMP	EXPECTED COMPL DATE
Air Products Hydrogen Fueling Station 70MPa Upgrade	Air Products and Chemicals, Inc.	Lehigh	In Progress	\$209,046	\$0	90%	12/31/2016
LTV Natural Gas Fleet purchase	L.T.Verrastro Inc.	Lackawanna	In Progress	\$135,461	\$113,238	80%	12/31/2016
Natural Gas/Diesel Dual Fuel Locomotive	GE Transportation, a Business Unit of General Electric Company	Erie, Mercer	In Progress	\$1,000,000	\$0	20%	02/28/2018
Shipley Energy CNG Small Vehicle Fleet Fueling	Shipley Energy Company	York	In Progress	\$75,700	\$0	5%	06/30/2017

Alternative Fuels Incentive Grant Program 2014

PROJECT NAME	FUNDING RECIPIENT	COUNTY	PROJ STATUS	TOTAL GRANT FUNDING	TOTAL AMT INVOICED	% COMP	EXPECTED COMPL DATE
AC Linen CNG Deployment Project	Atlantic City Linen Supply, LLC	Philadelphia	In Progress	\$61,250	\$52,138	100%	12/31/2016
Bimbo Bakeries CNG Fleet Conversion App#1	BIMBO BAKERIES USA INC		In Progress	\$789,750	\$117,000	15%	01/31/2017
Bradford County CNG Partnership	Valley Energy, Inc	Bradford	In Progress	\$30,500	\$17,875	99%	12/31/2016
City of Lancaster Fleet Conversion	Fleet Energy America, Inc.	Centre, Clinton	In Progress	\$27,999	\$0	20%	12/31/2016
Clean Energy CNG Conversion Initiative	Clean Energy DBA Clean Energy, Inc.	Philadelphia	In Progress	\$86,430	\$27,120	100%	12/31/2016
CNG vehicle procurement	CAMBRIA COUNTY TRANSIT AUTHORITY	Cambria	In Progress	\$75,000	\$0	20%	05/31/2017
Demonstration and Pilot Production of All-Climate Battery (ACB) for Electric Vehicles	Pennsylvania State University	Centre	In Progress	\$525,000	\$116,539	5%	06/30/2016
Montgomery County Alternative Vehicle Purchase Project	County of Montgomery	Montgomery	In Progress	\$83,645	\$55,258	100%	09/30/2016

Alternative Fuels Incentive Grant Program 2014

PROJECT NAME	FUNDING RECIPIENT	COUNTY	PROJ STATUS	TOTAL GRANT FUNDING	TOTAL AMT INVOICED	% COMP	EXPECTED COMPL DATE
Pittsburgh Electric Limousine Deployment Project	Air Star Transportation & Limousine Service, Inc	Allegheny	In Progress	\$50,000	\$30,000	100%	12/05/2016
PPL Electric Vehicle Purchase 2015	PPL Electric Utilities Corporation	Dauphin, Lackawanna, Lancaster, Lehigh, Luzerne, Lycoming	In Progress	\$116,100	\$0	90%	12/31/2016
Purchase Natural Gas Vehicles	UGI Penn Natural Gas, Inc.	Lycoming	In Progress	\$95,000	\$95,000	100%	12/31/2016
REV LNG SSL TR (REV LNG SSL BC1)	REV LNG, LLC	Lycoming	In Progress	\$800,000	\$405,000	35%	12/31/2016
Rhoads Energy Propane Autogas Fleet Project	Jerome H. Rhoads, Inc. dba/ Rhoads Energy Corporation	Berks, Lancaster	In Progress	\$62,950	\$11,707	89%	12/31/2016
Tinicum Township Propane Vehicle Conversion Initiative	Greater Philadelphia Clean Cities, Inc.	Delaware	In Progress	\$238,700	\$28,098	30%	06/30/2017
UPMC CNG Bus Project, Phase II	UPMC	Allegheny	In Progress	\$249,984	\$249,984	100%	12/31/2016
VNG Program II Project	VNG.CO LLC	Philadelphia	In Progress	\$81,675	\$53,328	100%	06/30/2017
Western Pennsylvania Alternative Fuel School Bus Program	Pittsburgh Region Clean Cities, Inc.	Cambria, Clarion, Crawford, Erie, Lawrence, McKean, Somerset, Venango, Washington	In Progress	\$250,000	\$165,000	66%	06/30/2017
Western Pennsylvania Alternative Fuel Vehicle Program	Pittsburgh Region Clean Cities, Inc.	Allegheny, Beaver, Butler, Cambria, Erie, Warren, Washington, Westmoreland	In Progress	\$216,192	\$100,960	50%	06/30/2017

Alternative Fuels Incentive Grant Program 2016 Submission Period One

PROJECT NAME	FUNDING RECIPIENT	COUNTY	PROJ STATUS	TOTAL GRANT FUNDING	TOTAL AMT INVOICED	% COMP	EXPECTED COMPL DATE
Electric Vehicle-Grid-Integration	Partnerships One, LLC	Philadelphia	In Progress	\$250,300	\$0	0%	4/29/2018
Company Gas Autos to Company Electric Autos	Nelson Business Associates	Bucks, Chester, Montgomery	Grant Execution	\$33,741	\$0	0%	4/29/2017
Compressed Natural Gas Trucks for Quaker CNG Fueling Terminal	Compass Natural Gas Partners, LP	Lycoming	Grant Execution	\$140,000	\$0	0%	4/29/2017
E & B Transportation Company Propane School Bus Fleet	E & B Transportation Co.	Adams	Grant Execution	\$22,500	\$0	0%	4/29/2017
Francis J. Palo, Inc. Company Fleet	Francis J. Palo, Inc.	Clarion	Grant Execution	\$16,297	\$0	0%	4/29/2017
Harmar 2016 Expansion: Phase I	Freight Equipment Leasing, LLC	Allegheny	Grant Execution	\$200,000	\$0	0%	4/29/2017
Silv Concrete CNG Concrete Mixer Deployment Project	Constructural Dynamics, Inc.	Chester, Montgomery	Grant Execution	\$133,165	\$0	0%	4/29/2017
Upper Moreland Township School District Propane Fueling Station Project	Upper Moreland Township School District	Montgomery	Grant Execution	\$458,197	\$0	0%	4/29/2018
Upper Moreland Township School District Propane School Bus Conversion Project	Upper Moreland Township School District	Montgomery	Grant Execution	\$174,566	\$0	0%	4/29/2017
Willow Grove CNG Vehicle Conversion Project	United Parcel Service, Inc.	Montgomery	Grant Execution	\$200,000	\$0	0%	4/29/2017



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**DEPARTMENT OF ENVIRONMENTAL
PROTECTION**

**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
POLICY OFFICE**

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