



# **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 (AFIG) and Alternative Fuel Vehicle (AFV) 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 in the 2018 solicitation cycle. A listing of rebate awards, notable completed grant projects, and program and grant project expenditures during the July 1, 2018 to June 30, 2019 fiscal year are included in this report.

# **Alternative Fuels Incentive Grant Program Annual Report**

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## **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, particulate matter, VOCs, and oxides of nitrogen (the pollutants that contribute to the formation of ground-level ozone), as well as carbon dioxide (a principal 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 program supports 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. For example, since 2013, the AFIG Program has reimbursed 99 grantees for the purchase or conversion of 1,035 vehicles totaling over \$8.2 million in program funds disbursed. The 1,035 vehicles are estimated to be displacing over 3.6 million Gasoline Gallon Equivalents (GGE) per year. The incentives and programs currently offered by AFIG include:

- The AFIG Grant Program offers approximately \$5 million in grants per year for school districts, local government, nonprofit entities, and registered Pennsylvania companies for projects for the purchase and/or retrofit of alternative fuel vehicles, the construction of alternative fuel infrastructure, and innovative technology related to alternative fuel vehicles;
- The AFV Rebate Program provides cash rebates to Pennsylvania residents for the purchase of new and pre-owned plug-in hybrid, plug-in electric, natural gas, propane and hydrogen fuel cell vehicles; and
- The AFIG Fixing America's Surface Transportation (FAST) Act Infrastructure Program offers approximately \$1 million in grants per year for alternative fuel infrastructure projects located along Pennsylvania highway corridors designated ready or pending for alternative fuel signage by the Federal Highway Administration.

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; and
7. The transfer and commercialization of innovative alternative energy technologies.

The AFIG program is 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 the provisions of the act, 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 2018, the AFIG program allowed the opportunity to submit an application continuously throughout the 2018 calendar year. The first submission period ended on July 13, 2018, and the second submission period ended on December 14, 2018. Applications received during each submission period were collected from DCED's Electronic Single Application system (ESA) and evaluated after the end of each submission period.

The 2019 Alternative Fuels Incentive Grant Program began accepting applications through the DCED Electronics Single Application system on April 26, 2019. The program will remain open continuously through the 2019 calendar year, with two submission periods during which prospective applicants may submit applications for consideration.

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 failed to complete previous 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 additional funding.

## **2018-19 PROGRAM YEAR REVIEW**

The following is a report on programs which were available during the period of this report, July 1, 2018 through June 30, 2019:

### **Alternative Fuel Incentive Grant Solicitation 2018**

The 2018 Alternative Fuels Incentive Grant Program began accepting applications through the DEP eGrants system on May 4, 2018. The program remained open continuously through the remaining 2018 calendar year, with two submission periods approximately four months in length, during which prospective applicants may submit applications for consideration. These submission periods ended July 13 and December 14, 2018. Award Summaries for the two submission periods are detailed below. 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, and projects that promote innovative alternative fuel technology. After each submission period, AFIG staff evaluated all applications received to determine grant awards.

Changes to the program for the 2018 solicitation included: increasing award requests to 100% of vehicle incremental cost for new CNG, LNG, biodiesel vehicles using a blend greater than B20, electric vehicles with a battery system capacity equal to or greater than 20 kWh, and hydrogen fuel cell vehicles. Applicants were able to request 100% of the incremental cost of the vehicle up to \$40,000 per vehicle. In addition, priority was given in awards to projects that included the use of funded vehicles by emergency personnel in emergency responses, rescues, and evacuations (including police, fire, public safety, and ambulatory vehicles).

### **AFIG 2018 First Submission Period Awards Summary**

The first submission period ended on July 13, 2018 with a total of 37 applications submitted resulting in a total grant fund request of \$6,111,844. Thirty-one applications were submitted in the Vehicle Retrofit and/or Purchase category, five applications were submitted in the Refueling Infrastructure category, and one application in the Innovative Technology category. After evaluation by DEP staff, 23 projects were selected - totaling \$3,258,756 in grant funds awarded.

The recommended projects included 20 Vehicle Retrofit and/or Purchase projects and three Refueling Infrastructure projects.

### **Vehicle Retrofit/Purchase Projects**

- Total number of applications: **31**
- Number of awarded projects: **20**
  - Note: seven applications were deemed ineligible
- Total grant request: **\$3,935,760**
- Recommended amount of award funding: **\$2,935,908**
- Total number of vehicles applied for: **220**
- Total number of awarded vehicles: **180**
- Total estimated GGE saved per year: **1,164,340 (awards)**
- New fueling stations supported: **4**
- Existing fueling stations supported: **16**

### **Refueling Infrastructure Projects**

- Total number of applications: **5**
  - Fleet refueling applications: **3**
  - Workplace, home-based, or intermediary refueling applications: **2**
- Number of awarded projects: **3**
  - Note: Two applications were deemed ineligible
- Total grant request: **\$610,223**
- Recommended amount of award funding: **\$300,348**

Note: Please see Appendix A for summary descriptions of each awarded project.

Four projects, three Vehicle Retrofit and/or Purchase and one Refueling Infrastructure, later returned the grant awards.

### **AFIG 2018 Second Submission Period Awards Summary**

The second submission period ended on December 14, 2018 with a total of 39 applications submitted resulting in a total grant fund request of \$6,077,262. Thirty-one applications were submitted in the Vehicle Retrofit and/or Purchase category, four applications were submitted in the Innovative Technology category and four applications were submitted in the Refueling Infrastructure category. After evaluation by DEP staff, 23 projects were selected - totaling \$2,933,493 in grant funds awarded. The recommended projects included 20 Vehicle Retrofit and/or Purchase projects, two Refueling Infrastructure projects, and one Innovative Technology project.

### **Vehicle Retrofit and/or Purchase Projects**

- Total number of applications: **31**
  - Note: five applications were deemed ineligible and one was withdrawn from consideration at the request of the applicant.
- Number of awarded projects: **20**
- Total grant request: **\$ 4,509,717**
- Amount of funding awarded: **\$2,370,538**
- Total number of vehicles applied for: **393**
- Total number of awarded vehicles: **343**
- Total estimated GGE saved per year: **475,726 (awards)**
- New fueling stations supported: **3**
- Existing fueling stations supported: **15**

### **Refueling Infrastructure Projects**

- Total Number of Applications: **4** (all fleet refueling projects)
  - Note: one application was withdrawn from consideration at the request of the applicant.
- Number of awarded projects: **2**
- Total grant request: **\$484,045**
- Amount of funding awarded: **\$210,155**

### **Innovative Technology Projects**

- Total number of applications: **4**
  - Note: one application was deemed ineligible.
- Number of awarded projects: **1**
- Total grant request: **\$1,083,500**
- Recommended amount of award funding: **\$352,800**

Note: Please see Appendix A for summary descriptions of each awarded project.

Two Vehicle Retrofit and/or Purchase projects later returned the grant awards.

### **Alternative Fuel Incentive Grant Solicitation 2019**

The 2019 Alternative Fuels Incentive Grant Program began accepting applications through the DCED Electronics Single Application system on April 26, 2019. The program will remain open continuously through the 2019 calendar year, with two submission periods during which prospective applicants may submit applications for consideration.

The following changes were made for the 2019 program:

- For Innovative Technology projects, the maximum grant award has been increased to \$600,000.
- Standard hybrid vehicles are not eligible for an AFIG award, only plug-in hybrid electric vehicles (PHEV) are eligible.



- For new CNG, LNG, propane, biodiesel vehicles using a blend greater than B20, electric vehicles with a battery system capacity equal to or greater than 30 kWh, and hydrogen fuel cell vehicles, applicants may request 100% of the incremental costs for all vehicle classes but no more than \$7,500 for Class 1 and Class 2 passenger vehicles, and no more than \$40,000 per vehicle for all other vehicle classes.
- For electric vehicles with a battery system capacity between 10 kWh and 30 kWh, applicants may request a maximum of 75% of the incremental costs for all vehicle classes but no more than \$5,000 per vehicle for Class 1 and Class 2 passenger vehicles, and no more than \$30,000 for all other vehicle classes.
- For electric vehicles with a battery system capacity of less than 10 kWh, applicants may request a maximum of 50% of the incremental costs for all vehicles but no more than \$1,000 for Class 1 and Class 2

Refueling infrastructure projects located along Pennsylvania Interstate Highway corridors not currently designated as alternative fuel “pending” or “ready” FAST Act Corridors were given priority in consideration for awards<sup>1</sup>). These interstates include but may not be limited to I-70, I-99, and I-180.

The first submission period ended July 12, 2019. The second submission period will end December 13, 2019. Awards granted during these submission periods will be summarized in the 2019-2020 annual report.

### **Pennsylvania FAST Act Alternative Fuel Corridor Infrastructure Program**

The Pennsylvania FAST Act Alternative Fuel Corridor Infrastructure Program is a special solicitation under the AFIG program that provides up to a 50 percent reimbursement grant to install public re-fueling infrastructure along select highway corridors in Pennsylvania. Eligible corridors are designated by the Federal Highway Administration in the FAST Act (Fixing America’s Surface Transportation Act - Pub. L. No. 114-94) as alternative fuel corridors which are “Signage Ready” or “Signage Pending.” These corridors include specific sections of interstates located in Pennsylvania: (I-76, I-276, I-376, I-476, I-79, I-90, I-95, and I-80.)

One million dollars in grants were made available to municipal authorities, political subdivisions, non-profit entities, corporations, and limited liability companies or partnerships incorporated or registered in the commonwealth to install public-use electric, hydrogen, propane and CNG refueling infrastructure. The infrastructure must be publicly accessible at all times. Projects must incorporate roadway signage compliant with the FAST Act, offer an open and common payment platform, feature standardized nozzles and connectors, and be co-located with consumer amenities. Project infrastructure must be designed to meet 5-year future projections of anticipated usage for the public at the proposed public stations. All projects must be sited within approximately five roadway miles of the eligible corridor segment. Individual project awards are capped at \$500,000.

The application period was open from November 9, 2018 until February 4, 2019.

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<sup>1</sup> ([https://www.fhwa.dot.gov/environment/alternative\\_fuel\\_corridors/](https://www.fhwa.dot.gov/environment/alternative_fuel_corridors/))

The FAST Act program awarded two grants of \$330,000 each to Giant Eagle, Inc., to help install two EV Charging Projects. These two projects will deploy DC fast charging stations at four GetGo stores located in Bridgeville, Washington, Cranberry, and Robinson Township. The projects will install two DC fast chargers with one port at each site. These units will be capable of dispensing up to 156 kW per vehicle initially with the capacity to dispense up to 500 kW per vehicle in the future. An estimated 68,138 gallons of diesel/gasoline will be displaced annually from each project, which equates to 266,995 pounds/year of CO<sub>2</sub> reductions and 750 pounds/year of NO<sub>x</sub> reductions.

We anticipate the PA FAST Act program will reopen again in January 2020.

Note: Please see Appendix A for a summary description of the awarded projects.

## **AFIG 2018-2019 Project Summary**

Between July 1, 2018 and June 30, 2019, 21 AFIG projects were successfully completed by grantees. These grantees expended \$2,535,141.80 in grant funds over the full lifetime of the grants. The completed vehicle purchase and/or retrofit projects resulted in the purchase or conversion of 126 alternative fuel vehicles which are estimated to displace 400,000 GGE per year. A total of four new and 12 existing alternative fuel refueling stations are supported by these projects. The projects completed in 2018-19 are as follows:

<b>Project Name</b>	<b>Grantee</b>	<b>Project Type</b>	<b>Total Amount Reimbursed</b>
AAA Propane Vehicle Project	AAA Cub Alliance	Vehicle Purchase and/or Retrofit	\$14,800
MED CNG Retrofit - Armstrong Conservation District	Armstrong County Conservation District	Vehicle Purchase and/or Retrofit	\$5,957
CNG Vehicle Procurement	Cambria County Transit Authority	Vehicle Purchase and/or Retrofit	\$75,000
The Centennial School District Propane School Bus Conversion Project	Centennial School District	Vehicle Purchase and/or Retrofit	\$44,000
The Centennial School District Propane Refueling Project	Centennial School District	Refueling Infrastructure	\$292,338
CNG Commercial Recycling Trucks	Centre County Recycling and Refuse Authority	Vehicle Purchase and/or Retrofit	\$246,860
ESASD Propane School Bus Conversion Initiative	East Stroudsburg Area School District	Vehicle Purchase and/or Retrofit	\$180,000
East Stroudsburg Area School District Propane Station Initiative	East Stroudsburg Area School District	Refueling Infrastructure	\$200,000
Propane 2017 - Mlaker, LLC	Mlaker, LLC	Vehicle Purchase and/or Retrofit	\$45,000
NOMA CNG BI-Fuel Vehicle Purchase	New Oxford Municipal Authority	Vehicle Purchase and/or Retrofit	\$12,450
NOMA CNG Fueling Station	New Oxford Municipal Authority	Refueling Infrastructure	\$5,500
Electric Vehicle-Grid-Integration	Partnerships One, LLC	Innovative Technology	\$222,162
Demonstration and Pilot Production of All-Climate Battery (ACB) for Electric Vehicles	Pennsylvania State University	Innovative Technology	\$427,497
Peoples Vehicle Retrofit and/or Purchase Project	Peoples Natural Gas Company LLC	Vehicle Purchase and/or Retrofit	\$121,456
Peoples Refueling Infrastructure Project	Peoples Natural Gas Company LLC	Refueling Infrastructure	\$259,993

<b>Project Name</b>	<b>Grantee</b>	<b>Project Type</b>	<b>Total Amount Reimbursed</b>
Purchase Alternative Fuel Vehicles for the Philadelphia Parking Authority	Philadelphia Parking Authority	Vehicle Purchase and/or Retrofit	\$10,000
Purchase Alternative Fuel Vehicles at the Philadelphia International Airport	Philadelphia Parking Authority	Vehicle Purchase and/or Retrofit	\$10,000
Rose Tree Media School District Natural Gas Project Phase 4	Rose Tree Media School District	Vehicle Purchase and/or Retrofit	\$38,480
UPMC Gas Migration Project, Phase III	UPMC	Vehicle Purchase and/or Retrofit	\$61,050
WallyPark CNG Shuttle Bus Deployment	WallyPark Pennsylvania LLC	Vehicle Purchase and/or Retrofit	\$77,600
Camphill CNG Conversion Initiative	WW Transport, Inc.	Vehicle Purchase and/or Retrofit	\$140,000

## **Alternative Fuels Incentive Grant Program Recent Success Stories**

**Centre County Recycling and Refuse Authority-Centre County:** The Centre County Recycling and Refuse Authority in College Township is home to Centre County's recycling processing facility and solid waste transfer station. The Authority provides drop-off recycling, residential curbside recycling, and commercial/business recycling throughout Centre County. The Authority was awarded a 2017 AFIG grant for \$36,424 to purchase two Peterbilt Model 348 commercial recycling trucks. Two diesel-powered trucks were removed from the Authority's fleet. The Authority has entered into a public/private partnership with Clean Energy to install and operate a fast fill CNG fueling facility on their property. The fueling station serves as the refueling facility for not only the Authority's growing fleet of CNG vehicles, but also the general public. They have also made modifications to their maintenance garage in order to service their own CNG fleet vehicles. The Authority currently has twenty-one total CNG vehicles in their fleet. The two vehicles purchased under this grant are estimated to be displacing 2300 gallons of diesel fuel per year, which equates to over 1 ton of greenhouse gas reductions annually from those two vehicles. Anticipated fuel cost savings are \$14,000 per year.



**Peoples Natural Gas Company LLC** – Peoples Natural Gas Company is a major natural gas distribution company in Pennsylvania. To continue helping their customers, Peoples has broadened its focus to serve all energy users including the transportation sector. Peoples was awarded a 2017 AFIG grant for \$129,771 for upgrades to the CNG fueling stations at their Pittsburgh and Washington facilities and a grant for \$272,500 to purchase 17 Ford F-150 CNG Bi-Fuel pickup trucks that operate throughout Peoples' service territory based at those locations. This project has helped Peoples increase the number of CNG powered vehicles in their fleet to 50. Peoples is continuing to replace the existing gasoline powered vehicles in their fleet with CNG vehicles. The vehicles purchased under this grant, utilizing these upgraded facilities, are estimated to displace 16,744 gallons of gasoline per year resulting in an annual greenhouse gas reduction of 19.38 metric tons. Anticipated fuel cost savings are \$6,200 per year.



## **Alternative Fuels Vehicle Rebate Program**

The AFV Rebate Program supports Pennsylvania residents who purchase a new qualified alternative fuel vehicle registered in Pennsylvania and powered by CNG, electricity, fuel cells (FC) or LPG. Since 2011, the program has provided a total of over \$11.3 million in rebate funds to 6,088 Pennsylvania residents.

This year from July 1, 2018 through June 30, 2019, DEP approved 2,387 rebates for alternative fuel vehicles purchased and then registered in Pennsylvania providing \$3.7 million in rebate reimbursements. The program provided 2,280 rebates to new AFVs and 107 rebates to one-time, pre-owned AFVs.

From March 18, 2017, to August 31, 2018, the rebate structure was based on the following:

### Electric and Electric Hybrids

- **\$1,750 rebate** for a PHEV or Battery Electric Vehicle (BEV) with a battery system capacity equal to or greater than 20 kWh.
- **\$1,000 rebate** for a rebate for a PHEV or BEV with a battery system capacity between 10 kWh and 20 kWh.
- **\$750 rebate** for a rebate for a PHEV or BEV with a battery system capacity less than 10 kWh.
  - Note: All rebate levels can include electric motorcycles, ATVs and low speed electric vehicles if registered in Pennsylvania.

### CNG and Propane

- **\$1,000 rebate** for a CNG fueled vehicle including original equipment manufacturer (OEM)EM/Certified Retrofits only.
- **\$1,000 rebate** for a LPG fueled vehicles including OEM/Certified Retrofits only.
  - Note: Rebates for CNG and Propane include both new vehicles and original equipment manufacturer certified retrofits.

### Hydrogen

- **\$2,000 rebate** for a Hydrogen and/or FC vehicles.

The program also included a cap of \$50,000 final purchase price for new AFVs to be eligible for a rebate.

Starting on August 31, 2018, the cap was raised to \$60,000 for BEVs with a battery capacity greater than 65 kWh. Rebates for used vehicles were available for one-time preowned AFVs with 75,000 miles or less and with a final purchase price of less than \$50,000 from a registered dealer that meet other registration location and income requirements as well. Leased vehicles were made eligible for rebates.

From September 1, 2018 to June 30, 2019 the rebate structure was based on the following:

- **\$2,000 rebate** for a PHEV or BEV (battery system capacity must be equal to or greater than 85 kWh).
- **\$2,000 rebate** for a Hydrogen and/or FC vehicle.

- **\$1,750 rebate** for a PHEV or BEV (battery system capacity must be equal to or greater than 30 kWh and less than 85 kWh).
- **\$1,000 rebate** for a PHEV or BEV (battery system capacity must be equal to or greater than 10 kWh and less than 30 kWh).
- **\$750 rebate** for a PHEV or BEV (battery system capacity less than 10 kWh).
- **\$1,000 rebate** for a CNG fueled vehicle including original equipment manufacturer (OEM) / Certified Retrofits only.
- **\$1,000 rebate** for a LPG fueled vehicle including OEM/Certified Retrofits only.
- **\$750 rebate** for a one-time, pre-owned Alternative Fuel Vehicle.
- An additional **\$500** rebate for applicants meeting low-income requirements.

The following table breaks down the total rebates issued by type of vehicle during the 2018-2019 fiscal year:

**July 1, 2018 – June 30, 2019**

Vehicle Type	No. Of Rebates	Rebate Amount
Electric Motorcycles	1	\$750
Battery Electric Vehicle	1,977	\$ 3,348,250
Plug-In Hybrid Electric Vehicle	409	\$ 362,500
Totals	2,387	\$ 3,711,500



**STATEMENT OF REVENUES AND EXPENDITURES  
ALTERNATIVE FUELS INCENTIVE GRANT FUND  
As of June 30, 2019**

<b>Beginning Balance - July 1, 2018</b>	<b>\$18,067,062.93</b>
Cycle 23 Revenue - Transfer made in May 2019	\$5,319, 881.91
<u>Expenditures</u>	
Personnel:	-\$76,444.27
Operating:	-\$23,011.70
Grants:	-\$2,404,121.72
Rebates:	-\$3,653,000.00
 Total Expenditures:	 -\$6,156,577.69
<b>Ending Balance - June 30, 2018</b>	<b>\$ 17,230,367.15</b>

The fund balance of **\$17,230,367.15** on June 30, 2019, contained:

- \$ 4,040,825 of committed grant contract obligations,
- \$ 4,015,945 of grant awards awaiting to be committed into grant contracts,
- \$2,000,000 of programmatic set aside for rebate payments,
- \$120,500 in planned operational costs

This results in a current uncommitted balance of **\$7,053,097.15**.

Note: **\$5,319,881.91** of the uncommitted balance was only recently received into the AFIG account as revenue in May 2019.

## 2018-2019 ACTIVE PROJECTS

The following are current/active AFIG projects as of October 2019:

### Alternative Fuels Incentive Grant Program 2014

Project Name	Funding Recipient	County	Project Status	Total Grant Funding	Total Amount Invoiced	Expected Completion Date	% Complete
Rev LNG SSL TR	Rev LNG, LLC	Lycoming	In Progress	\$800,000	\$405,000	6/30/2020	65%

### Alternative Fuels Incentive Grant Program 2016 Round 2

Project Name	Funding Recipient	County	Project Status	Total Grant Funding	Total Amount Invoiced	Expected Completion Date	% Complete
DM Industries, Inc. Refueling Project	DM Industries, Inc.	Elk	Awaiting Final Payment	\$19,957	\$0	08/31/2019	100%
Tri-County Ind. - New Refueling Station	Tri-County Industries Inc.	Mercer	Waiting on Final Report	\$500,000	\$450,000	09/7/2019	90%

### Alternative Fuels Incentive Grant Program 2016 Round 3

Project Name	Funding Recipient	County	Project Status	Total Grant Funding	Total Amount Invoiced	Expected Completion Date	% Complete
Teach green to our teens, our future	Scheeren Insurance Group	Armstrong	In Progress	\$16,000	\$8,000	11/30/2019	50%

### Alternative Fuels Incentive Grant Program 2017 Round 1

Project Name	Funding Recipient	County	Project Status	Total Grant Funding	Total Amount Invoiced	Expected Completion Date	% Complete
Valley Waste Service - Public and Fleet CNG Fueling Station	Valley Waste Service Inc.	Beaver	In Progress	\$400,000	\$0	11/27/2019	25%

### Alternative Fuels Incentive Grant Program 2017 Round 2

Project Name	Funding Recipient	County	Project Status	Total Grant Funding	Total Amount Invoiced	Expected Completion Date	% Complete
Honey Brook Biodiesel Fleet Refueling Station	A.J. Blosenski, Inc.	Chester	In Progress	\$446,749	\$0	4/13/2020	20%
Slippery Rock Area Alternative Fuel School Bus Initiative	Buco Transportation, Inc	Butler	Awaiting Final Payment	\$15,000	\$0	10/31/2019	100%
Chatham University Vehicle Replacements	Chatham University	Allegheny	In Progress	\$14,881	\$0	4/13/2020	80%
Innovative High-Pressure Hydrogen Storage	CP Industries, Inc.	Allegheny	In Progress	\$140,050	\$0	4/13/2020	0%
Hospital EV Charging Station for Staff & Public	Einstein Medical Center Montgomery	Montgomery	In Progress	\$42,105	\$0	4/13/2020	0%
Rhoads Energy Autogas Fleet Project	Jerome H. Rhoads, Inc. DBA Rhoads Energy	Lancaster	Awaiting Payment	\$25,489	\$25,489	8/31/2019	100%
Rhoads Energy Autogas Refueling Station Project	Jerome H. Rhoads, Inc. DBA Rhoads Energy	Lancaster	Awaiting Payment	\$19,709	\$19,709	04/13/2020	100%
Propane Powered Frozen Food Delivery	Schwan's Home Service, Inc.	Butler, Cumberland, Lancaster, Washington, Westmoreland	Waiting on Final Report	\$290,605	\$221,777.50	10/12/2019	90%
Philadelphia Propane Fueling Infrastructure Project	Sharp Energy	Philadelphia	In Progress	\$24,800	\$0	04/13/2020	0%

### Alternative Fuels Incentive Grant Program 2018 Round 1

Project Name	Funding Recipient	County	Project Status	Total Grant Funding	Total Amount Invoiced	Expected Completion Date	% Complete
AFIG	Borough of Lansdale	Montgomery	In Progress	22,500	0	11/13/2019	0%
Alternative Fuel Vehicle Replacement	Bradford Area School District	McKean	Awaiting Payment	\$19,000	\$19,000	11/13/2019	100%
Alternative Fuels – Electric Car	College Township	Centre	Awaiting Payment	\$7,500	\$7,500	11/13/2019	100%
Propane Shuttle Bus Conversion Initiative	Colonial Airport Parking	Delaware	Awaiting Payment	\$66,000	\$33,000	11/13/2019	50%
Propane Conversion Project	Derry Township School District	Dauphin	Complete	\$68,000	\$68,000	11/13/2019	100%
First Transit 40-foot CNG Bus Project	First Transit	Philadelphia	Waiting on Final Report	\$300,000	\$0	11/13/2019	90%
First Transit F550 CNG Bus Project	First Transit	Philadelphia	Waiting on Final Report	\$300,000	\$0	11/13/2019	90%
Delivering a Cleaner Future – CNG Project	Giant Eagle, Inc.	Allegheny	In Progress	\$300,000	\$0	12/31/2019	0%
CNG Fleet Replacement	Gorman Distributors, Inc.	Lancaster	In Progress	\$36,795	\$7,965	12/31/2019	30%

### Alternative Fuels Incentive Grant Program 2018 Round 1

Project Name	Funding Recipient	County	Project Status	Total Grant Funding	Total Amount Invoiced	Expected Completion Date	% Complete
Expanding CNG in Southcentral PA	Lancaster County Solid Waste Management Authority	Lancaster	Complete	\$80,000	\$80,000	11/13/2019	100%
CNG Fueling Station Upgrade Round 2	LT Verrastro, Inc.	Lackawanna	Complete	\$149,969	\$149,969	09/19/2019	100%
Alternative Fuel Incentive Program	Monark Student Transportation	Allegheny	In Progress	\$76,000	\$0	11/13/2019	0%
Propane Infrastructure Initiative	North Penn School District	Montgomery	In Progress	\$155,302	\$0	11/13/2020	0%
Propane School Bus Initiative	School District of Haverford Township	Delaware	In Progress	\$24,000	\$0	11/13/2019	0%
Propane Shuttle Project	Suburban Transit	Montgomery	In Progress	\$300,000	\$0	11/13/2019	0%
CNG Vehicle Initiative	Valley Energy	Bradford	In Progress	\$10,950	\$0	11/13/2019	0%
New CNG Waste Vehicle Purchase Project	Vogel Disposal Service, Inc.	Butler	In Progress	\$286,163	\$0	11/13/2019	0%
Gilbertsville CNG Deployment Project	Waste Management of PA	Montgomery	Waiting on Final Report	\$300,000	\$0	11/13/2019	90%
Washington CNG Deployment Project	Waste Management of PA	Washington	Waiting on Final Report	\$300,000	\$0	11/13/2019	90%

### Alternative Fuels Incentive Grant Program 2018 Round 2

Project Name	Funding Recipient	County	Project Status	Total Grant Funding	Total Amount Invoiced	Expected Completion Date	% Complete
Expanding CNG Infrastructure in Philadelphia	AAA Club Alliance, Inc.	Philadelphia	Grant Execution	\$74,995	\$0	4/26/2020	0%
MED 2 CNG retrofit	Armstrong County Conservation District	Armstrong	In Progress	\$7,500	\$0	4/26/2020	0%
Propane Powered Class 5 Delivery Vehicles	Bimbo Bakeries, USA	Montgomery	In Progress	\$300,000	\$0	4/26/2020	0%
Bus Conversion Project	Centennial School District	Bucks	In Progress	\$48,000	\$0	4/26/2020	0%
Fleet Purchase	City of Pittsburgh	Allegheny	Complete	\$67,500	\$67,500	10/10/2019	100%
Second Avenue EV Charging Stations	City of Pittsburgh	Allegheny	In Progress	\$135,160	\$0	4/26/2021	0%
Tesla Project	Classy Cab Company, Inc.	Butler	Grant Execution	\$67,500	\$0	4/26/2020	0%
Ride the Green Bus at Mt. Pleasant Area SD	DMJ Transportation	Westmoreland	In Progress	\$151,555	\$0	4/26/2020	0%
Propane School Bus Replacement Project	East Stroudsburg Area School District	Monroe	In Progress	\$300,000	\$0	4/26/2020	0%
Electric Vehicle Purchase	Ferguson Township	Centre	Grant Execution	\$7,500	\$0	4/26/2020	0%
Alternative Fuel Vehicle Purchase	Hanover Township	Lehigh	Awaiting Payment	\$7,500	\$7,500	10/02/2019	100%

### Alternative Fuels Incentive Grant Program 2018 Round 2

Project Name	Funding Recipient	County	Project Status	Total Grant Funding	Total Amount Invoiced	Expected Completion Date	% Complete
Non-Pipeline RCNG Virtual Transport System	Lego V, LP	Butler	Grant Execution	\$352,800	\$0	4/26/2021	0%
CNG School Bus Project 2019	Lower Merion School District	Montgomery	Grant Execution	\$205,604	\$0	4/26/2020	0%
CNG Fueling Station Upgrade Round 2 – Vehicle 3	LT Verrastro, Inc.	Lackawanna	Grant Execution	\$300,000	\$0	4/26/2020	0%
Electric Fleet for Nationally Touring Nutrition Education Show	Note to Health LLC	Westmoreland	Grant Execution,	\$4,729	\$0	4/26/2020	0%
Electric Scooter Rideshare	Scoobi, Inc.	Allegheny	In Progress	\$150,000	\$100,000	4/26/2020	60%
Alternative Fuel Vehicles	Pennsylvania State University	Centre	In Progress	\$60,000	\$0	4/26/2020	0%
Gas Migration Project Phase IV	UPMC	Allegheny	In Progress	\$61,950	\$0	4/26/2020	90%
CNG Fleet	VEC Energy LLC	Indiana	Grant Execution	\$165,000	\$0	4/26/2020	0%
Purchase of Ten CNG Buses	Williamsport Bureau of Transportation	Lycoming	Grant Execution	\$300,000	\$0	4/26/2020	0%

**Alternative Fuels Incentive Grant Program 2017 FAST Act Infrastructure Grant**

<b>Project Name</b>	<b>Funding Recipient</b>	<b>County</b>	<b>Project Status</b>	<b>Total Grant Funding</b>	<b>Total Amount Invoiced</b>	<b>Expected Completion Date</b>	<b>% Complete</b>
Fleet Capable, Fast Fill, High Volume CNG Refueling Station	CNG Fuel LLC	Clarion	In Progress	\$178,785	\$0	02/27/2020	50%

**Alternative Fuels Incentive Grant Program 2018 FAST Act Infrastructure Grants**

<b>Project Name</b>	<b>Funding Recipient</b>	<b>County</b>	<b>Project Status</b>	<b>Total Grant Funding</b>	<b>Total Amount Invoiced</b>	<b>Expected Completion Date</b>	<b>% Complete</b>
Giant Eagle EV Fast Charging Project – I-79 Pittsburgh South	Giant Eagle, Inc.	Allegheny	Grant Execution	\$330,00	\$0	5/19/2021	0%
Giant Eagle EV Fast Charging Project – I-79 Pittsburgh North	Giant Eagle, Inc.	Allegheny	Grant Execution	\$330,00	\$0	5/19/2021	0%



## APPENDIX A

### 2018 Round 1 Vehicle Projects

**Awardee:** Bradford Area School District

**Applicant Address:** 150 Lorana Ave., Bradford, PA 16701

**Project Site:** 101 Songbird Rd, Bradford PA 16701

**Project Site Legislative Districts:** H067; S025

**Project:** Bradford School District Alternative Fuel Vehicle Replacement

**County:** McKean

**Award Total:** \$19,000

**Number of Vehicles:** 2

**Estimated GGE saved per year:** 5,714

**Project Description:** Bradford Area School District is purchasing two Blue Bird Vision propane buses.

**Awardee:** College Township

**Applicant Address:** 1481 E College Ave, State College, PA 16801

**Project Site:** 1481 E College Ave, State College, PA 16801

**Project:** Alternative Fuels - Electric Car

**County:** Centre

**Award Total:** \$7,500

**Number of Vehicles:** 1

**Estimated GGE saved per year:** 140

**Project Description:** College Township is purchasing a Chevy Bolt electric vehicle.

**Awardee:** Colonial Airport Parking, Inc.

**Applicant Address:** 630 S. Governor Printz Blvd., Lester, PA 19029

**Project Site:** 76 Industrial Highway, Essington, PA 19029

**Project:** Colonial Airport Parking Propane Shuttle Bus Conversion Initiative

**County:** Delaware

**Award Total:** \$66,000

**Number of Vehicles:** 4

**Estimated GGE saved per year:** 18,824

**Project Description:** Colonial Airport Parking is purchasing four Ford E-450 propane shuttle buses.

**Awardee:** Derry Township School District

**Applicant Address:** 30 East Granada Ave., Po Box 898, Hershey, PA 17033

**Project Site:** 650 Clearwater Rd, Hershey, PA 17033

**Project:** Derry Township School District Propane Conversion Project

**County:** Dauphin

**Award Total:** \$68,000

**Number of Vehicles:** 8

**Estimated GGE saved per year:** 4,554

**Project Description:** Derry Township School District is purchasing eight new Propane School buses.

**Awardee:** Eastern Freight Systems, LLC

**Applicant Address:** 1 Kim Ave., Tunkhannock, PA 18657

**Project Site:** 429 Highway 315, Pittston PA 18640

**Project:** Eastern Freight Systems CNG Vehicle Purchase Round 1

**County:** Luzerne

**Award Total:** \$80,000

**Number of Vehicles:** 2

**Estimated GGE saved per year:** 33,333

**Project Description:** Eastern Freight Systems is purchasing two Freightliner CNG trucks.

Note: Awardee returned grant award.

**Awardee:** First Transit, Inc.

**Applicant Address:** 8220 Bartram Avenue, Philadelphia, PA 19153

**Project Site:** 1 Scott Way, Philadelphia PA

**Project:** First Transit Application 1 – 23 vehicles

**County:** Philadelphia

**Award Total:** \$300,000

**Number of Vehicles:** 23

**Estimated GGE saved per year:** 187,939

**Project Description:** First Transit is purchasing 23 Ford F550 CNG shuttle buses.

**Awardee:** First Transit, Inc.

**Applicant Address:** 8220 Bartram Avenue, Philadelphia, PA 19153

**Project Site:** 1 Scott Way, Philadelphia PA

**Project:** First Transit Application 2 – 18 vehicles

**County:** Philadelphia

**Award Total:** \$300,000

**Number of Vehicles:** 18

**Estimated GGE saved per year:** 153,768

**Project Description:** First Transit is purchasing 18 Gillig 40-foot CNG buses.

**Awardee:** Francis J Palo, Inc.

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

**Project Site:** 309 S. 4th Ave., Clarion, PA 16214

**Project:** 2018 CNG Grant

**County:** Clarion

**Award Total:** \$37,500

**Number of Vehicles:** 5

**Estimated GGE saved per year:** 18,750

**Project Description:** Francis J. Palo, Inc. is purchasing 5 Chevrolet CK2500 CNG trucks.

Note: Awardee returned grant award.

**Awardee:** Giant Eagle, Inc.

**Applicant Address:** 261 Kappa Drive, Pittsburgh, PA 15238

**Project Site:** 755 Beechnut Dr, Pittsburgh PA 15205

**Project:** Giant Eagle, Delivering a Cleaner Future – CNG Project

**County:** Allegheny

**Award Total:** \$300,000

**Number of Vehicles:** 20

**Estimated GGE saved per year:** 355,556

**Project Description:** Giant Eagle is purchasing 20 Kenworth T-680 CNG trucks.

**Awardee:** Gorman Distributors, Inc.

**Applicant Address:** 1201 Manor Street, Columbia, PA 17512

**Project Site:** 1201 Manor Street, Columbia, PA 17512

**Project:** Fleet Replacement Application- CNG

**County:** Lancaster

**Award Total:** \$36,795

**Number of Vehicles:** 3

**Estimated GGE saved per year:** 3,301

**Project Description:** Gorman is purchasing three Ford Transit T-150 CNG cargo vans.

**Awardee:** Lancaster County Solid Waste Management Authority

**Applicant Address:** 1299 Harrisburg Pike, PO Box 4425, Lancaster, PA 17603

**Project Site:** 1299 Harrisburg Pike, Lancaster, PA 17603

**Project:** Expanding CNG in Southcentral PA

**County:** Lancaster

**Award Total:** \$80,000

**Number of Vehicles:** 2

**Estimated GGE saved per year:** 17,320

**Project Description:** LCSWMA is purchasing two new Kenworth CNG waste transfer trucks.

**Awardee:** Borough of Lansdale

**Applicant Address:** 1 Vine Street, Suite 201, Lansdale, PA 19446

**Project Site:** 1 Vine Street, Suite 201, Lansdale, PA 19446

**Project:** AFIG Vehicle Purchase

**County:** Montgomery

**Award Total:** \$22,500

**Number of Vehicles:** 3

**Estimated GGE saved per year:** 126

**Project Description:** Borough of Lansdale is purchasing three Chevy Bolt electric vehicles

**Awardee:** Monark Student Transportation

**Applicant Address:** 5374 William Flynn Highway, Gibsonia, PA 15106

**Project Site:** 100 Monark Dr, McDonald PA 15057

**Project:** Alternative Fuel Incentive Program

**County:** Washington

**Award Total:** \$76,000

**Number of Vehicles:** 8

**Estimated GGE saved per year:** 22,857

**Project Description:** Monark Student Transportation is purchasing eight Blue Bird Vision propane buses to replace diesel school buses.

**Awardee:** North Penn School District

**Applicant Address:** 401 E. Hancock St., Lansdale, PA 19446

**Project Site:** 1340 S Valley Forge Rd., Lansdale, PA 19446

**Project:** North Penn School District Propane School Bus Initiative

**County:** Montgomery

**Award Total:** \$300,000

**Number of Vehicles:** 26

**Estimated GGE saved per year:** 52,749

**Project Description:** North Penn School District purchasing ten propane 30-passenger Blue Bird Micro buses and sixteen propane 72-passenger Blue Bird Vision buses. This project was awarded in conjunction with a refueling infrastructure project.

Note: Grantee returned award to complete project through Driving PA Forward. The refueling infrastructure project will still be completed through AFIG.

**Awardee:** School District of Haverford Township

**Applicant Address:** 50 E Eagle Road, Havertown, PA 19083

**Project Site:** 50 Hilltop Rd, Havertown, PA 19083

**Project Site Legislative Districts:** H166; S017

**Project:** Haverford Township School District Propane School Bus Project

**County:** Delaware

**Award Total:** \$24,000

**Number of Vehicles:** 8

**Estimated GGE saved per year:** 13,538

**Project Description:** Haverford Township SD is purchasing eight propane powered Blue Bird Vision Type C model buses.

Note: Grantee was originally awarded \$68,000 but is unable to complete all vehicles applied for, and has accepted a lower award amount of \$24,000.

**Awardee:** Suburban Transit Network, Inc.

**Applicant Address:** 980 Harvest Drive, Suite 100, Blue Bell, PA 19422

**Project Site:** 1400 E Schuylkill Road, Pottstown, PA 19465

**Project:** Suburban Transit Propane Shuttle Project

**County:** Montgomery

**Award Total:** \$300,000

**Number of Vehicles:** 21

**Estimated GGE saved per year:** 81,529

**Project Description:** Suburban Transit is converting seven Ford E-450 vehicles to propane and purchasing 14 new 2019 Ford E-450 propane shuttle buses.

**Awardee:** Valley Energy

**Applicant Address:** 523 S. Keystone Ave., Sayre, PA 18840

**Project Site:** 1131 Elmira St, Sayre PA 18840

**Project:** Valley Energy CNG Vehicle Initiative

**County:** Bradford

**Award Total:** \$10,950

**Number of Vehicles:** 2

**Estimated GGE saved per year:** 1,200

**Project Description:** Valley Energy will purchase two Ford F-150 CNG vehicles.

**Awardee:** Vogel Disposal Service, Inc.

**Applicant Address:** 121 Brickyard Rd, Mars PA 16046

**Project Site:** 121 Brickyard Rd, Mars PA 16046

**Project:** New CNG Waste Vehicle Purchase Project

**County:** Butler

**Award Total:** \$286,163

**Number of Vehicles:** 8

**Estimated GGE saved per year:** 56,000

**Project Description:** Vogel Disposal Service, Inc will purchase eight CNG trucks.

**Awardee:** Waste Management of Pennsylvania, Inc.

**Applicant Address:** 107 Silvia St., Ewing, NJ 08628

**Project Site:** 197 Swamp Creek Rd, Gilbertsville PA 19525

**Project:** WM of Pennsylvania Gilbertsville CNG Deployment Project

**County:** Montgomery

**Award Total:** \$300,000

**Number of Vehicles:** 8

**Estimated GGE saved per year:** 68,571

**Project Description:** Waste Management will purchase eight Peterbilt CNG vehicles. This project supports a new refueling station.

**Awardee:** Waste Management of Pennsylvania, Inc.

**Applicant Address:** 107 Silvia St., Ewing, NJ 08628

**Project Site:** 200 Rangos Ln, Washington, PA

**Project:** WM of Pennsylvania Washington CNG Deployment Project

**County:** Washington

**Award Total:** \$300,000

**Number of Vehicles:** 8

**Estimated GGE saved per year:** 68,571

**Project Description:** Waste Management will purchase eight CNG vehicles.

## **2018 Round 1 Refueling Infrastructure Projects**

**Awardee:** College Township

**Applicant Address:** 1481 E College Ave, State College, PA 16801

**Station Address:** 1481 E College Ave, State College PA 16801

**Project Site Legislative Districts:** H171; S034

**Project:** Alternative Fuels - Charging Station

**County:** Centre

**Award Total:** \$2,077

**Project Description:** College Township is installing a dual level-2 charging station at their municipal building. This project is a companion to the Vehicle Purchase Grant request for the purchase of one electric vehicle.

Note: Grantee returned award to complete project through Driving PA Forward. The vehicle purchase project will still be completed through AFIG.

**Awardee:** L.T. Verrastro

**Applicant Address:** 700 Moosic Road, Old Forge, PA 18518

**Station Address:** 700 Moosic Road, Old Forge, PA 18518

**Project:** CNG Fueling Station Upgrade Round 2

**County:** Lackawanna

**Award Total:** \$142,969

**Project Description:** L.T. Verrastro is upgrading the compression capacity and related equipment at their existing CNG facility. This will allow them to continue to upgrade their fleet to CNG and meet increased public fueling demand at the facility. County of Lackawanna Transit System (COLTS) has committed to utilizing this station.

**Awardee:** North Penn School District

**Applicant Address:** 401 E. Hancock St., Lansdale, PA 19446

**Station Address:** 1340 S. Valley Forge Rd. Lansdale, PA 19446

**Project:** North Penn School District Propane Infrastructure Initiative

**County:** Montgomery

**Award Total:** \$155,302

**Project Description:** North Penn School district is constructing a fast-fill propane fueling station for their fleet.

## **2018 Round 2 Vehicle Projects**

**Awardee:** Armstrong Conservation District

**Applicant Address:** 120 S. Grant Ave. - Suite 2, Kittanning, PA 16201

**Project Site:** 120 S. Grant Ave. - Suite 2, Kittanning, PA 16201

**Project:** MED 2 CNG Retrofit

**County:** Armstrong

**Award Total:** \$7,500

**Number of Vehicles:** 1

**Estimated GGE saved per year:** 927

**Project Description:** Armstrong Conservation District is purchasing a Ford F250 that will run on CNG dual-fuel as a part of their Mobile Environmental Display education and outreach program.

**Awardee:** Bimbo Bakeries USA, Inc.

**Applicant Address:** 255 Business Center Drive, Horsham, PA 19044

**Project Site:** 1113 Ridge Pike, Conshohocken, PA 19428

**Project:** Ultra-Low NOx Propane Powered Class 5 Delivery Vehicles

**County:** Montgomery

**Award Total:** \$300,000

**Number of Vehicles:** 20

**Estimated GGE saved per year:** 40,000

**Project Description:** Bimbo Bakeries USA, Inc. is purchasing 20 propane powered Class 5 (19,500lbs GVWR) delivery vehicles as part of their ongoing fleet replacement.

**Awardee:** Centennial School District

**Applicant Address:** 48 Swan Way, Warminster, PA 18974

**Project Site:** 48 Swan Way, Warminster, PA 18974

**Project:** Centennial School District Bus Conversion Project

**County:** Bucks

**Award Total:** \$48,000

**Number of Vehicles:** 6

**Estimated GGE saved per year:** 15,841

**Project Description:** The Centennial School District purchasing six new propane school buses.

**Awardee:** City of Pittsburgh

**Applicant Address:** 414 Grant Street, Pittsburgh, PA 15219

**Project Site:** Second Avenue, Pittsburgh PA 15282

**Project:** Pittsburgh Fleet Purchase

**County:** Allegheny

**Award Total:** \$67,500

**Number of Vehicles:** 9

**Estimated GGE saved per year:** 2,205

**Project Description:** The City of Pittsburgh is purchasing nine Chevrolet Bolt EVs to use in their Permits, Licensing, and Inspections (PLI) and Department of Mobility and Infrastructure (DOMI) fleets.

**Awardee:** Classy Cab Company, Inc.

**Applicant Address:** 8541 Peters Road, Suite 2, Cranberry Township, PA 16066

**Project Site:** 8541 Peters Road, Suite 2, Cranberry Township, PA 16066

**Project:** Classy Cab - Tesla Project

**County:** Butler

**Award Total:** \$67,500

**Number of Vehicles:** 9

**Estimated GGE saved per year:** 21,724

**Project Description:** Classy Cab, Inc. purchasing nine Tesla Model 3 EVs for their fleet.

**Awardee:** DMJ Transportation

**Applicant Address:** 456 Waterfall Lane, Mt. Pleasant, PA 15666

**Project Site:** 5165 Carpentertown Road, Mt. Pleasant, PA 15666

**Project:** Ride the Green Bus at Mt. Pleasant Area School District

**County:** Westmoreland

**Award Total:** \$151,555

**Number of Vehicles:** 17

**Estimated GGE saved per year:** 14,450

**Project Description:** DMJ Transportation purchasing 17 new propane BlueBird school buses service their 5-year transportation contract from Mt. Pleasant Area School District.

**Awardee:** East Stroudsburg Area School District

**Applicant Address:** 50 Vine Street, East Stroudsburg, PA 18301

**Project Site:** 279 Timberwolf Court, Dingmans Ferry PA 18328

**Project:** The East Stroudsburg Area School District Propane School Bus Replacement Project

**County:** Monroe

**Award Total:** \$300,000

**Number of Vehicles:** 49

**Estimated GGE saved per year:** 117,600

**Project Description:** The East Stroudsburg Area School District is purchasing 49 school buses to run on propane as part of their conversion of their 86 remaining diesel-powered buses.

**Awardee:** Ferguson Township

**Applicant Address:** 3147 Research Drive, State College, PA 16801

**Project Site:** 3147 Research Drive, State College, PA 16801

**Project:** Ferguson Township Electric Vehicle Purchase

**County:** Centre

**Award Total:** \$7,500

**Number of Vehicles:** 1

**Estimated GGE saved per year:** 323

**Project Description:** Ferguson Township is purchasing a Chevy Bolt EV. The recommended grant award is the \$7,500 per vehicle that has been awarded for Class 1 & 2 passenger vehicles in the prior AFIG round.

**Awardee:** Hanover Township

**Applicant Address:** 2202 Grove Road, Allentown PA 18109

**Project Site:** Township Offices, 2202 Grove Road, Allentown PA 18109

**Project:** Hanover Township, Lehigh County, Alternative Fuel Vehicle Purchase

**County:** Lehigh

**Award Total:** \$7,500

**Number of Vehicles:** 1

**Estimated GGE saved per year:** 234

**Project Description:** Hanover Township is purchasing a Chevy Bolt EV.

**Awardee:** Lower Merion School District

**Applicant Address:** 301 E. Montgomery Avenue, Ardmore, PA 19003

**Project Site:** LMSD Transportation Yard, 1165 Matsonford Road, Conshohocken, PA 19428

**Project:** Lower Merion CNG School Bus Project 2019

**County:** Montgomery

**Award Total:** \$205,604

**Number of Vehicles:** 8

**Estimated GGE saved per year:** 15,316

**Project Description:** The Lower Merion School District is purchasing eight CNG school buses.



**Awardee:** L.T. Verrastro, Inc.

**Applicant Address:** 700 Moosic Road, Old Forge, PA 18518

**Project Site:** 700 Moosic Road, Old Forge, PA 18518

**Project:** CNG Fueling Station Upgrade Round 2 - Vehicle 3

**County:** Lackawanna

**Award Total:** \$300,000

**Number of Vehicles:** 15

**Estimated GGE saved per year:** 27,614

**Project Description:** L.T. Verrastro purchasing four 4 CNG Freightliner trucks and 11 CNG Ford cargo vans.

**Awardee:** McCandless Township Sanitary Authority

**Applicant Address:** 418 Arcadia Drive, Pittsburgh, PA 15237

**Project Site:** 418 Arcadia Drive, Pittsburgh, PA 15237

**Project:** Propane Bi-Fuel Conversion Program

**County:** Allegheny

**Award Total:** \$31,200

**Number of Vehicles:** 5

**Estimated GGE saved per year:** 5,262

**Project Description:** McCandless Township Sanitary Authority is purchasing five propane bi-fuel vehicles.

**Awardee:** Note to Health LLC dba Jump with Jill

**Applicant Address:** 1172 2nd Ave, New Kensington, PA 15068

**Project Site:** 1172 2nd Ave, New Kensington, PA 15068

**Project:** Conversion to Electric Fleet for Nationally Touring Nutrition Education Show

**County:** Westmoreland

**Award Total:** \$4,729

**Number of Vehicles:** 1

**Estimated GGE saved per year:** 300

**Project Description:** Note to Health LLC is purchasing a PHEV Mitsubishi Outlander.

**Awardee:** Pennsylvania State University

**Applicant Address:** 139J Physical Plant Building, University Park, PA 16802

**Project Site:** 139J Physical Plant Building, University Park, PA 16802

**Project:** Alternative Fuel Vehicles at Penn State University

**County:** Centre

**Award Total:** \$60,000

**Number of Vehicles:** 8

**Estimated GGE saved per year:** 1,471

**Project Description:** The Pennsylvania State University is purchasing five full EVs and three hybrid vehicles.

**Awardee:** Penske Truck Leasing Co., LP

**Applicant Address:** 2675 Morgantown Road, Reading, PA 19607

**Project Site:** 150 Lions Dr., Hazleton, PA 18202

**Project:** PTL Heavy-Duty Vehicle Deployment Project

**County:** Luzerne

**Award Total:** \$120,000

**Number of Vehicles:** 3

**Estimated GGE saved per year:** 52,727

**Project Description:** Penske Truck Leasing Co., L.P. (Penske) is purchasing three heavy-duty CNG vehicles for two fleet operators in Wilkes-Barre and Hazleton, Pennsylvania.

Note: Awardee returned grant award.

**Awardee:** Scoobi, Inc.

**Applicant Address:** 5182 Liberty Ave. #90327, Pittsburgh, PA 15224

**Project Site:** 539 1/2 Summerlea St., Pittsburgh, PA 15232

**Project:** Scoobi - Electric Scooter Rideshare

**County:** Allegheny

**Award Total:** \$150,000

**Number of Vehicles:** 150

**Estimated GGE saved per year:** 8,816

**Project Description:** Scoobi, Inc. is purchasing 150 GenZe electric scooters as part of their rideshare fleet.

**Awardee:** UPMC

**Applicant Address:** 600 Grant Street 58th Floor, Pittsburgh, PA 15219

**Project Site:** 1920 Forbes Avenue, Pittsburgh, PA 15219

**Project:** UPMC Gas Migration Project, Phase IV

**County:** Allegheny

**Award Total:** \$61,950

**Number of Vehicles:** 6

**Estimated GGE saved per year:** 15,300

**Project Description:** UPMC purchasing six new dedicated CNG buses to replace six diesel buses in the UPMC Employee Transit operation.

**Awardee:** VEC Energy, LLC

**Applicant Address:** 220 Airport Road, Indiana, PA 15701

**Project Site:** 220 Airport Road, Indiana, PA 15701

**Project:** VEC Energy CNG Fleet

**County:** Indiana

**Award Total:** \$165,000

**Number of Vehicles:** 22

**Estimated GGE saved per year:** 39,188

**Project Description:** VEC Energy LLC is purchasing 22 class 2 CNG vehicles.

**Awardee:** White Township

**Applicant Address:** 950 Indian Springs Road, Indiana, PA 15701

**Project Site:** 950 Indian Springs Road, Indiana, PA 15701

**Project Site Legislative Districts:** H062 Reed; S041 White

**Project:** White Township - AFIG CNG Conversion for Two New Vehicles

**County:** Indiana

**Award Total:** \$15,000

**Number of Vehicles:** 2

**Estimated GGE saved per year:** 1,190

**Project Description:** White Township is requesting \$33,312 in AFIG funding to purchase and convert two (2) new Ford conventional vehicles, one F250 and one F350 pickup truck, to run on CNG bi-fuel. The recommended grant award is the \$7500 per vehicle that has been awarded for Class 1 & 2 passenger vehicles in the prior AFIG round.

Note: Awardee returned grant award.

**Awardee:** Williamsport Bureau of Transportation

**Applicant Address:** 1500 West Third Street, Williamsport, PA 17701

**Project Site:** 1500 West Third Street, Williamsport, PA 17701

**Project:** Purchase of Ten (10) CNG Buses 2018

**County:** Lycoming

**Award Total:** \$300,000

**Number of Vehicles:** 10

**Estimated GGE saved per year:** 95,238

**Project Description:** Williamsport Bureau of Transportation is purchasing ten CNG buses. When these CNG buses arrive in late 2019, their fleet will consist of 24 CNG vehicles and their fleet will be 83% CNG powered buses. They will continue to work towards their goal to convert the remaining five fixed-route diesel fuel buses within the next five years.

## **2018 Round 2 Refueling Infrastructure Projects**

**Awardee:** AAA Club Alliance

**Applicant Address:** 1 River Place, Wilmington, DE 19801

**Station Address:** 7777 Brewster Ave, Philadelphia, PA 19153

**Project:** Expanding CNG Infrastructure in Philadelphia

**County:** Philadelphia

**Award Total:** \$74,995

**Project Description:** AAA is installing a dedicated CNG fueling station for their expanding fleet.

**Awardee:** City of Pittsburgh

**Applicant Address:** 414 Grant Street, Pittsburgh, PA 15219

**Station Address:** Second Avenue, Pittsburgh PA 15282

**Project:** Pittsburgh: Second Avenue EV Charging Stations installation

**County:** Allegheny

**Award Total:** \$135,160

**Project Description:** The City of Pittsburgh is adding 8 dual hosed EV charging stations to the City's fleet lot located on Second Avenue in the Downtown neighborhood in the City. This project is companion to a Vehicle Purchase application.

## **2018 Round 2 Innovative Technology Project**

**Awardee:** Lego V, LP

**Applicant Address:** 121 Brickyard Road, Mars, PA 16046

**Project Address:** 421 Hartmann Road, Evans City, PA 16033

**Project:** Non-Pipeline Renewable Compressed Natural Gas (RCNG) Virtual Transportation System

**County:** Butler

**Award Total:** \$352,800

**Project Description:** Lego-V, LP is creating an entirely independent and efficient virtual pipeline system to load, transport, and off-load a much greater percentage of Renewable Compressed Natural Gas (RCNG) from virtual pipeline transportation modules than is currently feasible today. Currently, only about 60% of RCNG can be off-loaded from the transportation modules. Enhancing current virtual pipeline technology will enable producers such as Lego-V to transport natural gas to stranded markets throughout Pennsylvania for use in the transportation and potentially energy sectors.

## **2018 AFIG FAST Act Refueling Infrastructure Projects**

**Awardee:** Giant Eagle, Inc.

**Project Site:** 333 Washington Road, Washington, PA 15301; 3029 Washington Pike, Bridgeville, PA 15017

**Project:** Giant Eagle EV Fast Charging Project – I79 Pittsburgh South

**Fuel Type:** Electric

**County:** Washington, Allegheny

**Award Total:** \$330,000

**Estimated GGE saved per year (5-year estimate):** 68,138

**Project Description:** The proposed Giant Eagle EV Fast Charging Project I-79 South will deploy DC fast charging stations at GetGo stores located in Bridgeville, PA and Washington, PA. The projects will install two DC fast chargers with one port at each site for a total of four chargers per project. These units will be capable of dispensing up to 156 kW per vehicle initially with the capacity to dispense up to 500 kW per vehicle in the future

**Awardee:** Giant Eagle, Inc.

**Project Site:** 100 Settlers Ridge Center Dr., Pittsburgh, PA 15205; 1737 State Route 228, Cranberry, PA 16066

**Project:** Giant Eagle EV Fast Charging Project – I79 Pittsburgh North

**Fuel Type:** Electric

**County:** Allegheny, Butler

**Award Total:** \$330,000

**Estimated GGE saved per year (5-year estimate):** 68,138

**Project Description:** The proposed Giant Eagle EV Fast Charging Project I-79 North will deploy DC fast charging stations at GetGo stores located in Robinson, PA and Cranberry, PA. The projects will install two DC fast chargers with one port at each site for a total of four chargers per project. These units will be capable of dispensing up to 156 kW per vehicle initially with the capacity to dispense up to 500 kW per vehicle in the future





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DEPARTMENT OF ENVIRONMENTAL  
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7200-RE-DEP5237 1/2020