



Alternative Fuels Incentive Act Fund



pennsylvania
DEPARTMENT OF ENVIRONMENTAL
PROTECTION

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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 2019-2020 solicitation cycle. A listing of rebate awards, notable completed grant projects, and program and grant project expenditures during the July 1, 2019 to June 30, 2020 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.

In the 19/20 program year the AFIG program successfully oversaw the completion of 32 projects which included the deployment of 247 alternative fuel vehicles estimated to displace 2,279,050 gasoline gallon equivalents per year. During the program year more than \$2.9 million was expended on grant projects and over \$2.25 million disbursed to PA residents to support the purchase or lease of alternative fuel vehicles. DEP continues to administer grant awards and is currently project managing \$6.5 of grant contracts for 32 projects currently underway and is executing grant agreements for 29 projects totaling an additional \$3.4 million. DEP also continues to operate the AFV Rebate Program and is working to expend \$1.5 million in funds set-aside for the purpose of incentivizing PA residents to purchase alternative fuel vehicles.

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, Volatile Organic Compounds (VOC)s, 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 competitive grant program has reimbursed 130 grantees for the purchase or conversion of 1,282 alternative fuel vehicles, including electric, propane, and CNG, totaling over \$11.2 million in program funds disbursed. The 1,282 vehicles are estimated to be displacing over 5.8 million Gasoline Gallon Equivalents (GGE) per year. In addition, since 2011, the program has provided a total of over \$13.5 million in rebate funds to 7,860 Pennsylvania residents for the purpose of purchasing alternative fuel vehicles.

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 governments, 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 2019, the AFIG program allowed the opportunity to apply continuously throughout the 2019 calendar year. The first submission period ended on July 12, 2019, and the second submission period ended on December 13, 2019. 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 2020 Alternative Fuels Incentive Grant Program solicitation was intended to open in April but was delayed due to the ongoing COVID-19 pandemic. The 2020 program however began accepting applications through the DCED Electronics Single Application system on August 28, 2020.

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.

2019-20 PROGRAM YEAR REVIEW

The following is a report on programs which were available during the period of this report, July 1, 2019 through June 30, 2020:

Alternative Fuel Incentive Grant Solicitation 2019

The 2019 Alternative Fuels Incentive Grant Program began accepting applications through the DEP eGrants system on April 26, 2019. The program remained open continuously through the remaining 2019 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 12 and December 13, 2019. 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.

Significant changes to the program for the 2019 solicitation included:

- The maximum grant award for Innovative Technology projects was increased to \$600,000;
- Standard hybrid vehicles were no longer eligible for an AFIG award;

- Applicants were able to request 100% of the incremental costs for all vehicle classes 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;
 - Grant awards were limited to 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;
- Applicants were able to request 75% of the incremental costs for all vehicle classes for Electric Vehicles with a battery system capacity between 10 kWh and 30 kWh
 - Grant awards were limited to 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;
- Applicants were able to request 50% of the incremental costs for all vehicle classes for Electric Vehicles with a battery system capacity of less than 10 kWh;
 - Grant awards were limited to no more than \$1,000 for Class 1 and Class 2 passenger vehicles, and no more than \$20,000 per vehicle for all other vehicle classes.

AFIG 2019 First Submission Period Awards Summary

The first submission period ended on July 12, 2019 with a total of 15 applications submitted resulting in a total grant fund request of \$2,551,645. Twelve applications were submitted in the Vehicle Retrofit and/or Purchase category, and three applications were submitted in the Refueling Infrastructure category. After evaluation by DEP staff, 12 projects were selected - totaling \$1,900,693 in grant funds awarded. The recommended projects included ten Vehicle Retrofit and/or Purchase projects and two Refueling Infrastructure projects.

Vehicle Retrofit/Purchase Projects

- Total Number of Applications: **12**
 - 2 applications deemed ineligible
- Number of Recommended Projects: **10**
- Total Grant Request: **\$1,387,860**
- Recommended Amount of Award Funding: **\$1,387,860**
- Total Number of Vehicles Applied For: **102**
- Total Number of Awarded Vehicles: **86**
- Total Estimated Gasoline Gallon Equivalents saved per year: **439,129 (Awards)**
- New Fueling Stations Supported: **3**
- Existing Fueling Stations Supported: **6**

Refueling Infrastructure Projects

- Total Number of Applications: **3**
 - Fleet Refueling Applications: **2**
 - Workplace, Home, or Intermediary Refueling Applications: **1**
- Number of Recommended Projects: **2**
- Total Grant Request: **\$523,785**
- Recommended Amount of Award Funding: **\$512,833**

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

AFIG 2019 Second Submission Period Awards Summary

The second submission period ended on December 13, 2019 with a total of 32 applications submitted resulting in a total grant fund request of \$4,043,955. Twenty-five applications were submitted in the Vehicle Retrofit and/or Purchase category, two applications were submitted in the Innovative Technology category and five applications were submitted in the Refueling Infrastructure category. Applications were evaluated by DEP staff and recommendations were presented to Executive staff. Twenty projects were recommended for funding - totaling \$2,474,708 in grant funds awarded. The recommended projects included 19 Vehicle Retrofit and/or Purchase projects and one Innovative Technology project.

Due to delays caused by the COVID-19 pandemic, awards were not announced until July 20, 2020.

Vehicle Retrofit and/or Purchase Projects

- Total Number of Applications: **23**
 - 1 application deemed ineligible
- Number of Recommended Projects: **19**
- Total Grant Request: **\$2,827,384**
- Recommended Amount of Award Funding: **\$2,174,708**
- Total Number of Vehicles Applied For: **109**
- Total Number of Awarded Vehicles: **87**
- Total Estimated Gasoline Gallon Equivalents saved per year: **823,277 (Awards)**
- New Fueling Stations Supported: **2**
- Existing Fueling Stations Supported: **16**

Refueling Infrastructure Projects

- Total Number of Applications: **5**
 - Fleet Refueling Applications: **0**
 - Workplace, Home, or Intermediary Refueling Applications: **5**
 - 3 applications deemed ineligible
- Number of Recommended Projects: **0**
- Total Grant Request: **\$478,861**
- Recommended Amount of Award Funding: **\$0**

Innovative Technology Projects

- Total Number of Applications: **2**
- Number of Recommended Projects: **1**
- Total Grant Request: **\$533,000**
- Recommended Amount of Award Funding: **\$300,000**

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

Alternative Fuel Incentive Grant Solicitation 2020

The 2019 Alternative Fuels Incentive Grant Program was originally expected to open in April 2020 but was delayed due to the ongoing COVID-19 pandemic. The program began accepting applications through the DCED Electronics Single Application system on August 28, 2020.

- Priorities for funding in this round include: Zero emission vehicle (ZEV) projects
- Renewable natural gas (RNG) vehicle and infrastructure projects
- Projects located in or predominantly serving environmental justice (EJ) areas (<https://www.dep.pa.gov/PublicParticipation/OfficeofEnvironmentalJustice/Pages/PA-Environmental-Justice-Areas.aspx>)
- Publicly accessible alternative fuel refueling infrastructure projects

The changes made to the Vehicle Retrofit and Purchase projects category for 2020 are:

- Plug-in Hybrid Electric Vehicles are not eligible for an AFIG Award, only Battery Electric Vehicles are eligible for an AFIG award.
- Vehicle retrofits and conversions are only eligible for new vehicles.
- Extra consideration will be given to natural gas vehicle projects involving RNG.

New to the program for this round are the availability of awards for Public Refueling infrastructure projects, grants that specifically support the cost to purchase and install refueling equipment at a location that supports full public 24/7 access. Projects applying under this category must be publicly accessible 24/7, offer an open and common payment platform; feature standardized nozzles and connectors, and be co-located with convenient consumer amenities at safe locations.

Awards granted during this submission period will be summarized in the 2020-2021 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-70, I-79, I-90, I-95, I-80, I-78, I-81, I-83, I-84, and US-30.)

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 January 24, 2020 until March 24, 2020. The program received six applications requesting funding totaling \$608,216.

Project applications were evaluated and recommendations for funding were developed in spring of 2020, however, as with the AFIG 2019 Round 2 awards, the awards for the FAST Act program were delayed due to the ongoing COVID-19 pandemic. The program announced the awards of six grants on September 9, 2020 for the full amount applied for. The projects deploy DC fast charging stations at the U-Go store located in White Haven, PA, and at the American Natural Stations located in Cranberry, Gibsonia, Harmar, Mars, and Wexford, PA. The U-Go project will install two DC fast chargers with two ports, and the American Natural Projects will install one DC fast charger with one port at each of the five station locations. An estimated 142,800 gallons of diesel/gasoline will be displaced annually by these six projects, which equates to 1,269 metric tons/year of CO₂ reductions.

This will be the final round of the PA FAST Act program. The program will be replaced by the Public Refueling portion of the Refueling Infrastructure grants in the 2020 AFIG solicitation.

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

AFIG 2019-2020 Project Summary

Between July 1, 2019 and June 30, 2020, 32 AFIG projects were successfully completed by grantees. These grantees expended \$2,972,458 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 247 alternative fuel vehicles which are estimated to displace 2,279,050 GGE per year. A total of five new and 22 existing alternative fuel refueling stations are supported by these projects. The projects completed in 2019-20 are as follows:

Project Name	Grantee	Project Type	Total Amount Reimbursed
MED 2 CNG retrofit	Armstrong Conservation District	Vehicle Purchase and/or Retrofit	\$7,500
Slippery Rock Area Alternative Fuel School Bus Initiative	Buco Transportation Inc.	Vehicle Purchase and/or Retrofit	\$15,000
Bradford School District AFIG Grant Application for AFV Replacement	Bradford Area School District	Vehicle Purchase and/or Retrofit	\$19,000
Bus Conversion Project	Centennial School District	Vehicle Purchase and/or Retrofit	\$48,000
Chatham University Vehicle Replacements	Chatham University	Vehicle Purchase and/or Retrofit	\$14,881
Fleet Purchase	City of Pittsburgh	Vehicle Purchase and/or Retrofit	\$67,500
Tesla Project	Classy Cab Company, Inc	Vehicle Purchase and/or Retrofit	\$7,500
Alt. Fuels-Electric Car	College Township	Vehicle Purchase and/or Retrofit	\$7,500
Colonial Airport Parking Propane Shuttle Bus Conversion Initiative	Colonial Airport Parking Inc.	Vehicle Purchase and/or Retrofit	\$66,000
Derry Township School District Propane Conversion Project	Derry Township School District	Vehicle Purchase and/or Retrofit	\$68,000
Ride the Green Bus at Mt. Pleasant Area School District	DMJ Transportation	Vehicle Purchase and/or Retrofit	\$151,555.00
East Stroudsburg SD Propane Bus Purchase	East Stroudsburg Area School District	Vehicle Purchase and/or Retrofit	\$300,000
Ferguson Twp Electric Vehicle Purchase	Ferguson Township	Vehicle Purchase and/or Retrofit	\$7,500
First Transit Application 1-23 vehicles	First Transit, Inc.	Vehicle Purchase and/or Retrofit	\$300,000
First Transit Application 2_18 vehicles	First Transit, Inc.	Vehicle Purchase and/or Retrofit	\$216,667
2018 CNG Grant	Francis J Palo, Inc.	Vehicle Purchase and/or Retrofit	\$31,017

Project Name	Grantee	Project Type	Total Amount Reimbursed
Hanover Township Vehicle Purchase	Hanover Township	Vehicle Purchase and/or Retrofit	\$7,500
Expanding CNG in Southcentral PA	Lancaster County Solid Waste Management Authority	Vehicle Purchase and/or Retrofit	\$80,000
CNG School Bus Project 2019	Lower Merion School District	Vehicle Purchase and/or Retrofit	\$205,604
Propane Bi-Fuel Conversion Program - MTSA Installation Phase	McCandless Township Sanitary Authority	Vehicle Purchase and/or Retrofit	\$25,600
Alternative Fuel Incentive Program	Monark Student Transportation	Vehicle Purchase and/or Retrofit	\$19,000
Propane Infrastructure Initiative	North Penn School District	Refueling Infrastructure	\$155,302
Conversion to Electric Fleet for Nationally Touring Nutrition Education Show	Note to Health LLC	Vehicle Purchase and/or Retrofit	\$4,729
Alternative Fuel Vehicles at Penn State University	Penn State University	Vehicle Purchase and/or Retrofit	\$59,232
Propane School Bus Initiative	School District of Haverford Township	Vehicle Purchase and/or Retrofit	\$24,000
Propane Powered Frozen Food Delivery	Schwan's Home Service, Inc.	Vehicle Purchase and/or Retrofit	\$221,777.50
Propane Shuttle Project	Suburban Transit	Vehicle Purchase and/or Retrofit	\$52,980
Valley Energy CNG Vehicle Initiative	Valley Energy, Inc	Vehicle Purchase and/or Retrofit	\$10,950
New CNG Waste Vehicle Purchase Project	Vogel Disposal Services	Vehicle Purchase and/or Retrofit	\$246,163.44
UPMC Gas Migration Project, Phase IV	UPMC	Vehicle Purchase and/or Retrofit	\$61,950
WM Gilbertsville CNG Vehicle Deployment Project	Waste Management of Pennsylvania, Inc.	Vehicle Purchase and/or Retrofit	\$300,000
WM Washington CNG Vehicle Deployment Project	Waste Management of Pennsylvania, Inc.	Vehicle Purchase and/or Retrofit	\$300,000

Alternative Fuels Incentive Grant Program Recent Success Stories

Colonial Airport Parking, Inc.-Delaware County: Colonial Airport Parking, Inc. was established in 1956 and has been servicing people traveling in and out of Philadelphia International Airport. They have a fleet of 10 shuttles in their Lester Pennsylvania operation that services people traveling in and out of the Philadelphia International Airport. The company (pre-COVID impacts on air travel) made approximately 300 trips to and from the airport daily. Colonial Airport Parking began pursuing a path toward clean transportation in 2015 by starting an initiative to convert their fleet of shuttle buses to LPG (liquid propane gas) through a partnership with ROUSH CleanTech, an alternative fuel vehicle technology firm, as well as the Eastern Pennsylvania Alliance for Clean Transportation, their local Clean Cities coalition. AFIG funds were used for the purchase of four Roush CleanTech propane systems to install into four new shuttle vehicles: two Ford E-450 MicroBird buses and two Ford E-450 Metro Worldwide buses. The buses fuel at Sharp Autogas located at 76 Industrial Hwy, in Essington. The full project cost, including the total new vehicle purchases, was \$350,556. The AFIG grant award of \$66,000 offset the cost of the Roush CleanTech propane systems. The grant project was completed in February 2020, expending all project funds. Projected annual fuel displacement is approximately 76,000 gallons per year, which will result in the reduction of approximately 684 metric tons of CO₂. This is equivalent to removing 148 passenger vehicles from the road. Projected annual fuel cost savings were \$81,000 pre-COVID.



Francis J. Palo, Inc.-Clarion County: Francis J. Palo provides construction services to federal, state, and municipal governments as well as private clients. They perform bridge and road construction, sewer and water line work, and building construction and demolition work. Their affiliate company, Palo CNG, LLC operates a CNG and auto propane public fueling station off Interstate 80, located at 12600 Route 66 in Clarion, as part of their corporate commitment to using alternative fuels manufactured domestically. AFIG funds were used toward the purchase of five bi-fuel CNG/diesel pickup trucks: two Chevrolet 2500 (three-quarter ton) pickup trucks and three Chevrolet 1500 (half-ton) pickup trucks. The trucks fuel at Palo CNG. The full project cost, including the total new vehicle purchases, was \$272,933. The AFIG grant award of \$37,500 was used to offset the cost of the CNG engine systems. The conversions costs were less than originally budgeted, and the amount reimbursed under the grant was \$31,017. The remaining \$6,483 was liquidated back into the AFIG fund. The grant project was completed in November 2019. Projected annual fuel displacement is 12,000 gallons per year, which will result in the reduction of approximately 107 metric tons of CO₂. This is equivalent to removing 23 passenger vehicles from the road. Projected fuel cost savings were \$13,800 pre-COVID.



Schwan's Home Service, Inc.- Multiple Counties: Schwan's Home Service, Inc. (Schwan's) markets and distributes high-quality frozen foods through home-delivery and mail-order services. The company has a long-standing commitment to clean burning propane Autogas vehicles. AFIG funds were sought, and awarded, for the upfit of new propane delivery vehicles. Schwan's received an AFIG grant for \$290,605. The funds were used for the purchase of 29 E-450 propane-powered chassis. The 29 vehicles were deployed at five locations in Pennsylvania: Carlisle, Cranberry, Delmont, Lancaster, and Scottsdale. The vehicles fuel at existing propane fueling infrastructure at each location. The full project cost for the new vehicle purchases, was approximately \$3 million. The AFIG grant reimbursed \$221,777.50. The reimbursement was less than the original grant award because Schwan's purchased fewer vehicles than originally intended due to their fleet replacement schedule and economics, and the remaining \$68,827 was liquidated back into the AFIG fund. The project encountered some delays with the vehicle upfits, but the vehicles were deployed during 2018-2019 and the grant project was fully completed January 2020. Projected annual fuel displacement is an estimated 700,000 gallons of gasoline per year, which will result in the reduction of approximately 6,221 metric tons of CO2. This is equivalent to removing 1,344 passenger vehicles from the road.



The Pennsylvania State University- Centre County: The Pennsylvania State University (PSU) supports initiatives promoting environmentally-focused and sustainable transportation. In order to help PSU meet its sustainability goals, the university applied for AFIG funds in 2018 and received a grant award of \$60,000. AFIG funds were used for the purchase of five Nissan LEAF plug-in hybrid electric vehicles, as well as three Chevrolet Malibu hybrid electric vehicles. Eight gasoline-powered vehicles were replaced with these EV's. To support the project, six Level 1 charging stations for the EV's were installed on campus property. These Level 1 charging stations are not publicly accessible. However, the campus does have other publicly available Level 2 EV charging stations installed at the Penn Stater Hotel & Conference Center and the Nittany parking deck by the Nittany Lion Inn that are managed by ChargePoint. The full vehicle project cost for the eight new vehicle purchases was \$213,900. The AFIG grant reimbursed \$59,232 for the incremental purchase cost of the vehicles. The amount reimbursed was less than the grant award because the incremental cost of the Chevrolet hybrids was less than the grant award of \$7500 per vehicle. The grant project was completed in December 2019. Projected annual fuel displacement is approximately 587 gallons of gasoline per year, which will result in the reduction of approximately 5.2 metric tons of CO₂. This is equivalent to removing 1 passenger vehicle from the road each year. Projected fuel cost savings are \$1,700 annually.



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 \$13.5 million in rebate funds to 7,860 Pennsylvania residents.

This year from July 1, 2019 through June 30, 2020, DEP approved 1,772 rebates for AFVs purchased and then registered in Pennsylvania and provided \$2.2 million in rebate reimbursements. The program provided 1,590 rebates for new vehicles, 36 rebates to demonstration model vehicles with more than 500 and less than 10,000 miles, and 146 rebates to one-time, pre-owned vehicles with 75,000 miles or less. Of these rebates, 13 qualified for the additional \$1,000 rebate for low income PA residents, totaling \$27,500.

From July 1, 2019 until February 28, 2020, the rebate structure was based on the following:

- \$1,500 rebate for a Hydrogen and/or Fuel Cell (FC) vehicle
- \$1,500 rebate for a Battery Electric Vehicle (BEV)
- \$1,000 rebate for a Natural Gas (CNG) fueled vehicle including original equipment manufacturer (OEM) / Certified Retrofits only.
- \$1,000 rebate for a Propane (LPG) fueled vehicle including OEM/Certified Retrofits only.
- \$1,000 rebate for a Plug-In Hybrid Electric Vehicle (PHEV)
- \$1,000 rebate for an Electric Motorcycle
- \$1000 rebate for all used Alternative Fuel Vehicles including one-time pre-owned and demonstration model vehicles (Does not Include electric motorcycles)

Additional Rebate for Low Income PA Residents:

- New (purchased and leased) and used AFVs were eligible for an additional \$1,000 rebate if the applicant's household federal taxable income was below 200 percent of the federal poverty guideline.

Starting on March 1, 2020 the rebate structure for New, Pre-Owned, and Demonstration Alternative Fuel Vehicles was based on the following:

- \$1,000 rebate for a Hydrogen and/or FC vehicle
- \$750 rebate for a BEV
- \$500 rebate for a CNG fueled vehicle including OEM / Certified Retrofits only.
- \$500 rebate for a LPG fueled vehicle including OEM/Certified Retrofits only.
- \$500 rebate for a PHEV
- \$500 rebate for an Electric Motorcycle (Does not include electric scooters)

Additional Rebate for Low Income PA Residents:

- New (purchased and leased) and used AFVs are eligible for an additional \$1,000 rebate if the applicant's total household income is below 200 percent of the federal poverty guideline.

The program cap of \$50,000 final purchase price for new AFVs to be eligible for a rebate remained consistent throughout the 2019-20 program year.

The following table breaks down the total rebates issued by type of vehicle during the 2019-2020 fiscal year:

July 1, 2019 – June 30, 2020

Vehicle Type	No. Of Rebates	Rebate Amount
Electric Motorcycles	10	\$ 9,000
Battery Electric Vehicle	1,373	\$ 1,882,800
Plug-In Hybrid Electric Vehicle	389	\$ 364,700
Totals	2,387	\$ 2,256,500

**STATEMENT OF REVENUES AND EXPENDITURES
ALTERNATIVE FUELS INCENTIVE GRANT FUND
As of June 30, 2020**

Beginning Balance - July 1, 2019	\$17,230,748.25
Cycle 23 Revenue - Transfer made in May 2020	\$5,102,742.85
<u>Expenditures</u>	
Personnel:	-\$136,364.56
Operating:	-\$29,748.97
Grants:	-\$2,918,895.25
Rebates:	-\$2,256,500.00
Total Expenditures:	-\$5,341,508.77
Ending Balance - June 30, 2020	\$ 16,991,982.33

The fund balance of **\$ 16,991,982.33** on June 30, 2020, contained:

- \$ 6,556,504.26 of committed grant contract obligations,
- \$ 3,422,924 of grant awards awaiting to be committed into grant contracts,
- \$1,500,000 of programmatic set aside for rebate payments,
- \$120,500 in planned operating and personnel costs

This results in a current uncommitted balance of **\$ 5,392,054.07**.

Note: **\$5,102,742.85** of the uncommitted balance was only recently received into the AFIG account as revenue in May 2020.

2019-2020 ACTIVE PROJECTS

The following are current/active AFIG projects as of September 2020:

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	10/30/2020	85%

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
Tri-County Ind. - New Refueling Station	Tri-County Industries Inc.	Mercer	Waiting on Final Report	\$500,000	\$450,000	10/30/2019	95%

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	11/27/2020	80%

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	3/30/2021	20%
Innovative High-Pressure Hydrogen Storage	CP Industries, Inc.	Allegheny	Time Extension 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	10/1/2020	0%
Rhoads Energy Autogas Refueling Station Project	Jerome H. Rhoads, Inc. DBA Rhoads Energy	Lancaster	Awaiting Payment	\$19,709	\$19,709	04/13/2020	100%
Philadelphia Propane Fueling Infrastructure Project	Sharp Energy	Philadelphia	Awaiting Payment	\$24,800	\$0	04/13/2020	100%

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	Waiting on Final Documentation	\$22,500	\$0	11/13/2020	95%
Delivering a Cleaner Future – CNG Project	Giant Eagle, Inc.	Allegheny	Waiting on Final Documentation	\$300,000	\$0	9/10/2020	95%
Alternative Fuel Incentive Program	Monark Student Transportation	Allegheny	In Progress	\$76,000	\$19,000	11/17/2020	25%
Propane Infrastructure Initiative	North Penn School District	Montgomery	Awaiting Final Payment	\$155,302	\$0	11/13/2020	100%
Propane Shuttle Project	Suburban Transit	Montgomery	Awaiting final documentation	\$300,000	\$52,980	4/13/2020	95%
New CNG Waste Vehicle Purchase Project	Vogel Disposal Service, Inc.	Butler	Awaiting Final Payment	\$286,163	\$286,163	11/13/2019	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
Expanding CNG Infrastructure in Philadelphia	AAA Club Alliance, Inc.	Philadelphia	In Progress	\$74,995	\$0	4/26/2020	0%
Propane Powered Class 5 Delivery Vehicles	Bimbo Bakeries, USA	Montgomery	Complete	\$300,000	\$300,000	4/26/2020	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	In Progress	\$67,500	\$7,500	4/26/2020	11%
Non-Pipeline RCNG Virtual Transport System	Lego V, LP	Butler	In Progress	\$352,800	\$0	4/26/2021	0%
CNG Fueling Station Upgrade Round 2 - Vehicle 3	LT Verrastro	Lackawanna	Awaiting Final Payment	\$300,000	\$300,000	4/26/2020	100%
Propane Bi-Fuel Conversion Program - MTSA Installation Phase	McCandless Township Sanitary Authority	Allegheny	In Progress	\$31,200	\$25,600	10/26/2020	80%
Electric Scooter Rideshare	Scoobi, Inc.	Allegheny	In Progress	\$150,000	\$100,000	11/15/2020	60%
CNG Fleet	VEC Energy LLC	Indiana	Grant Execution	\$165,000	\$0	4/26/2021	59%

Alternative Fuels Incentive Grant Program 2019 Round 1

Project Name	Funding Recipient	County	Project Status	Total Grant Funding	Total Amount Invoiced	Expected Completion Date	% Complete
Comcast Hybrid Conversion	Comcast Corporation	Philadelphia	In Progress	\$100,000	\$0	11/20/2020	0%
PA Alternative Fuels Incentive Grant	County of Allegheny	Allegheny	In Progress	\$30,000	\$0	11/20/2020	0%
Expanding CNG in Southcentral PA	Lancaster County Solid Waste Management Authority	Lancaster	Awaiting Payment	\$138,569	\$138,560	8/31/2020	100%
Pennsbury School District Propane School Bus Initiative	Pennsbury School District	Bucks	In Progress	\$68,000	\$0	11/20/2020	100%
Peoples Vehicle Retrofit and/or Purchase Projects 2019	Peoples Natural Gas LLC	Allegheny	Awaiting Final Documentation	\$180,000	\$0	9/30/2020	95%
Progas Alternative Fuel	ProGas Inc	Butler	In Progress	\$5,800	\$0	11/20/2020	0%
The Hatboro-Horsham Propane School Bus Conversion	School District of Hatboro-Horsham	Montgomery	In Progress	\$25,500	\$0	11/20/2020	0%
Snyder Brothers, Inc. Expansion and Upgrade of CNG Fueling Stations	Snyder Brothers, Inc.	Armstrong	In Progress	\$463,064	\$0	11/20/2021	20%
TC Recycling-New CNG Truck Purchase	TC Recycling, LLC	Butler	In Progress	\$240,000	\$0	11/20/2020	0%
Tri-County Transit Propane Fueling Station	Tri County Transit Service Inc.	Montgomery	In Process	\$49,769	\$0	11/20/2021	0%

Alternative Fuels Incentive Grant Program 2019 Round 2

Project Name	Funding Recipient	County	Project Status	Total Grant Funding	Total Amount Invoiced	Expected Completion Date	% Complete
3M Transport - AFIG 2019	3M Transport, LLC	Clearfield	Grant Execution	\$14,550	\$0	7/20/2021	0%
AAA Propane Vehicle Project II	AAA Club Alliance	Philadelphia	Grant Execution	\$17,335	\$0	7/20/2021	0%
Alternative Fuels Incentive Grant Program	Bradford Area School District	McKean	Grant Execution	\$19,000	\$0	7/20/2021	0%
Commercial Recycler and Old Corrugated Cardboard Recycler	Centre County Recycling and Refuse Authority	Centre	Grant Execution	\$59,823	\$0	7/20/2021	0%
Alternative Fuel Vehicles for Public Transportation	Crawford Area Transportation Authority	Crawford	Grant Execution	\$290,000	\$0	7/20/2021	0%
DLC Fleet AFIG Grant	Duquesne Light Company	Allegheny	Grant Execution	\$20,000	\$0	7/20/2021	0%
Eurofins Lancaster Laboratories Inc.	Eurofins Lancaster Laboratories	Lancaster	Grant Execution	\$80,000	\$0	7/20/2021	0%
Alternative Fuels Incentive Grant Program	Haverford Township	Delaware	Grant Execution	\$7,500	\$0	7/20/2021	0%
Transitioning Lehigh University Facilities to Electric Vehicles	Lehigh University	Lehigh	Grant Execution	\$15,000	\$0	7/20/2021	0%

Alternative Fuels Incentive Grant Program 2019 Round 2

Project Name	Funding Recipient	County	Project Status	Total Grant Funding	Total Amount Invoiced	Expected Completion Date	% Complete
Electric Vehicle Drive Experience	Northwestern Rural Electric Cooperative Association, Inc.	Crawford	Grant Execution	\$7,500	\$0	7/20/2021	0%
Noble Environmental CNG Recycling Trucks - Allegheny Co	Noble Environmental Inc.	Allegheny	Grant Execution	\$300,000	\$0	7/20/2021	0%
Noble Environmental CNG Garbage Trucks - Westmoreland Co	Noble Environmental Inc.	Westmoreland	Grant Execution	\$300,000	\$0	7/20/2021	0%
PIDC EV lease	Philadelphia Authority for Industrial Development	Philadelphia	Grant Execution	\$7,500	\$0	7/20/2021	0%
Progas 2019 F150 AAR	Progas Inc.	Butler	Grant Execution	\$7,500	\$0	7/20/2021	0%
Radnor Township School District Propane Bus Replacement Project	Radnor Township School District	Montgomery	Grant Execution	\$42,500	\$0	7/20/2021	0%
Seven Springs Go Green Passenger Transit Upgrade	Seven Springs Mountain Resort Inc.	Somerset	Grant Execution	\$87,500	\$0	7/20/2021	0%
New CNG Fueled Waste Collection Vehicle Purchase-Tri County Industries	Tri-County Industries, Inc.	Butler	Grant Execution	\$300,000	\$0	7/20/2021	0%

Alternative Fuels Incentive Grant Program 2019 Round 2

Project Name	Funding Recipient	County	Project Status	Total Grant Funding	Total Amount Invoiced	Expected Completion Date	% Complete
UPS CNG Delivery Truck Project-New Stanton PA	United Parcel Service	Westmoreland	Grant Execution	\$300,000	\$0	7/20/2021	0%
UPS CNG Delivery Truck Project-Willow Grove	United Parcel Service Inc.	Montgomery	Grant Execution	\$300,000	\$0	7/20/2021	0%
Multifamily Electric Vehicle Charging for Philadelphia	V2G Energy, LLC	Philadelphia	Grant Execution	\$300,000	\$0	7/20/2021	0%

Alternative Fuels Incentive Grant Program 2017 FAST Act Infrastructure Grant

Project Name	Funding Recipient	County	Project Status	Total Grant Funding	Total Amount Invoiced	Expected Completion Date	% Complete
Fleet Capable, Fast Fill, High Volume CNG Refueling Station	CNG Fuel LLC	Clarion	In Progress	\$178,785	\$0	12/20/2020	75%

Alternative Fuels Incentive Grant Program 2018 FAST Act Infrastructure Grants

Project Name	Funding Recipient	County	Project Status	Total Grant Funding	Total Amount Invoiced	Expected Completion Date	% Complete
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%

Alternative Fuels Incentive Grant Program 2020 FAST Act Infrastructure Grants

Project Name	Funding Recipient	County	Project Status	Total Grant Funding	Total Amount Invoiced	Expected Completion Date	% Complete
American Natural Cranberry EV	American Natural	Butler	Grant Execution	\$104,048	\$0	9/9/2022	0%
American Natural Gibsonia EV	American Natural	Allegheny	Grant Execution	\$110,610	\$0	9/9/2022	0%
American Natural Harmar EV	American Natural	Allegheny	Grant Execution	\$108,881	\$0	9/9/2022	0%
American Natural Mars EV Charging Station	American Natural	Butler	Grant Execution	\$99,336	\$0	9/9/2022	0%
American Natural Wexford EV	American Natural	Allegheny	Grant Execution	\$107,341	\$0	9/9/2022	0%
DC Fast Charging Project on Rt.80 White Haven PA	U-Go Stations Inc.	Luzerne	Grant Execution	\$85,000	\$0	9/9/2022	0%

APPENDIX A

2019 Round 1 Class 1 & 2 Vehicle Projects

Awardee: County of Allegheny

Applicant Address: 436 Grant Street Room 225 Pittsburgh, PA 15219

Project Site: 552 4th Avenue Pittsburgh, PA 15219

Project: PA Alternative Fuels Incentive Grant

County: Allegheny

Award Total: \$30,000

Number of Vehicles: 4

Estimated GGE saved per year: 888

Project Description: Allegheny County is purchasing four new, 2020 Chevy Bolt 2LT Electric Vehicles to replace four County fleet vehicles that are used by Allegheny County employees working in downtown facilities. The vehicles are a part of the County's general motor pool.

Awardee: Comcast Corporation

Applicant Address: 1701 John F. Kennedy Blvd., 29.426B Philadelphia, PA 19103

Project Site: Statewide

Project: Comcast Hybrid Conversion

County: Statewide

Award Total: \$100,000

Number of Vehicles: 20

Estimated GGE saved per year: 22,666

Project Description: Comcast Corporation is converting 20 Ford F-150s to plug-in hybrid pickups using Massachusetts-based technology provider XL's XLP Plug-In Hybrid Electric System (<https://www.xlfleet.com/>). These vehicles will be used for maintaining and servicing Comcast's telecommunications network across the Commonwealth of Pennsylvania.

Awardee: Peoples Natural Gas Company LLC

Applicant Address: 375 North Shore Drive Pittsburgh, PA 15212

Project Site: 65 Ginger Hill Road Finleyville, PA 15332; 1201 Pitt Street Pittsburgh, PA 15221; 1564 Roseytown Road Greensburg, PA 15601

Project: Peoples Vehicle Retrofit and/or Purchase Projects 2019

County: Allegheny, Washington, Westmoreland

Award Total: \$180,000

Number of Vehicles: 24

Estimated GGE saved per year: 52,080

Project Description: Peoples Natural Gas is purchasing 24 new bi-fuel natural gas vehicles.

Awardee: ProGas Inc

Applicant Address: 2314 Evans City Rd. Zelienople, PA 16063

Project Site: 2314 Evans City Rd. Zelienople, PA 16063

Project: ProGas Alternative Fuel

County: Butler

Award Total: \$5,800

Number of Vehicles: 1

Estimated GGE saved per year: 1,152

Project Description: ProGas, Inc is replacing a gasoline vehicle with over 250,000 miles with a propane-fueled vehicle. ProGas intends to use the project to train six new technicians to do propane conversions and troubleshooting.

2019 Round 1 Class 3+ Vehicle Projects

Awardee: Lancaster County Solid Waste Management Authority

Applicant Address: 1299 Harrisburg Pike PO BOX 4425 Lancaster, PA 17604

Project Site: 1299 Harrisburg Pike, Lancaster, PA 17603

Project: Expanding CNG in Southcentral PA

County: Lancaster

Award Total: \$138,560

Number of Vehicles: 4

Estimated GGE saved per year: 34,640

Project Description: LCSWMA expanding its CNG waste transfer fleet by adding four new CNG trucks in 2019.

Awardee: Pennsbury School District

Applicant Address: 134 Yardley Avenue Fallsington, PA 19058

Project Site: 134 Yardley Avenue Fallsington, PA 19058

Project: Pennsbury School District Propane School Bus Initiative

County: Bucks

Award Total: \$68,000

Number of Vehicles: 8

Estimated GGE saved per year: 12,800

Project Description: The Pennsbury School District Propane School Bus Initiative is converting eight school buses that run on diesel to run on propane.

Awardee: School District of Hatboro-Horsham

Applicant Address: 229 Meetinghouse Rd Horsham, PA 19044

Project Site: 224 Maple Avenue Horsham, PA 19044

Project: The Hatboro-Horsham Propane School Bus Conversion Project

County: Montgomery

Award Total: \$25,500

Number of Vehicles: 3

Estimated GGE saved per year: 5,143

Project Description: The Hatboro-Horsham School District is purchasing three new propane school buses.

Awardee: TC Recycling, LLC

Applicant Address: 121 Brickyard Road Mars, PA 16046

Project Site: 120 Hutchman Road Mars, PA 16046

Project: TC Recycling-New CNG Truck Purchase

County: Butler

Award Total: \$240,000

Number of Vehicles: 6

Estimated GGE saved per year: 149,760

Project Description: TC Recycling, is purchasing six new CNG fueled refuse collection vehicles.

Awardee: Waste Management of Pennsylvania, Inc.

Applicant Address: 107 Silvia St. Ewing, NJ 08628

Project Site: 310 Leger Road North Huntingdon, PA 15642

Project: WM North Huntingdon CNG Vehicle Deployment Project

County: Westmoreland

Award Total: \$300,000

Number of Vehicles: 8

Estimated GGE saved per year: 80,000

Project Description: Waste Management of Pennsylvania, Inc. (WM) is purchasing eight heavy-duty CNG vehicles at its site in North Huntingdon, Pennsylvania. The project utilizes a new fueling station.

Awardee: Waste Management of Pennsylvania, Inc.

Applicant Address: 107 Silvia St. Ewing, NJ 08628

Project Site: 13 Peggy Parkway Dunmore, PA 18512; 197 Swamp Creek Road Gilbertsville, PA 19525; 1224 Hayes Boulevard Bristol, PA 19007

Project: WM Eastern Pennsylvania CNG Vehicle Deployment Project

County: Lackawanna, Montgomery, Bucks

Award Total: \$300,000

Number of Vehicles: 8

Estimated GGE saved per year: 80,000

Project Description: WM is purchasing eight heavy-duty CNG vehicles at its sites in Gilbertsville, Dunmore, and Bristol, Pennsylvania.

2019 Round 1 Refueling Infrastructure Projects

Awardee: Snyder Brothers, Inc.

Applicant Address: 90 Glade Drive Kittanning, PA 16201

Station Address: 90 Glade Drive Kittanning, PA 16201; 1458 State Road 28/66 Templeton, PA 16259

Project: Snyder Brothers, Inc. Expansion and Upgrade of CNG Fueling Stations

County: Armstrong

Award Total: \$463,064

Project Description: The Snyder Brothers, Inc. project will upgrade the equipment and add additional capacity to two existing public access fast-fill CNG fueling stations in Armstrong County. The additional capacity is needed to accommodate the company's increasing CNG fleet, as well as the growing demand from other fleets and the general public.

Awardee: Tri County Transit Service Inc.

Applicant Address: 110 Industrial Parkway Sanatoga, PA 19464

Station Address: 1483 East Schuylkill Road, Pottstown PA 19465

Project: Tri-County Transit Propane Fueling Station Project

County: Montgomery

Award Total: \$49,769

Project Description: The Tri-County Transit Propane Fueling Station Project is building a propane refueling station for their partner Suburban Transit. Their vehicles are housed, fueled and repaired at Tri-County's facility.

2019 Round 2 Class 1 & 2 Vehicle Projects:

Awardee: Duquesne Light Company

Applicant Address: 411 Seventh Ave, 15-1, Pittsburgh, PA 15219

Project Site: 2833 New Beaver Ave, Pittsburgh, PA 15233

Project: DLC Fleet AFIG Grant

County: Allegheny

Award Total: \$20,000

Number of Vehicles: 4

Estimated GGE saved per year: 1,110

Project Description: Duquesne Light Company (DLC) will purchase and retrofit four Ford F-150 pick-up trucks which will be retrofitted with the CARB compliant XL 15kWh XLP plug-in hybrid electric drive system. These newly retrofitted trucks will replace much older gasoline-fueled trucks.

Awardee: Haverford Township

Applicant Address: 1014 Darby Rd, Havertown, PA 19083

Project Site: 1014 Darby Rd, Havertown, PA 19083

Project: Alternative Fuels Incentive Grant Program

County: Delaware

Award Total: \$7,500

Number of Vehicles: 1

Estimated GGE saved per year: 500

Project Description: Haverford Township is purchasing a PHEV to replace a gasoline vehicle.

Awardee: Lehigh University

Applicant Address: 526 Brodhead Ave, 23B, Bethlehem, PA 18015

Project Site: Price Hall, 681 Taylor Street, Bethlehem, PA 18015

Project: Transitioning Lehigh University Facilities to Electric Vehicles

County: Lehigh

Award Total: \$15,000

Number of Vehicles: 2

Estimated GGE saved per year: 388

Project Description: Lehigh University is purchasing two EVs.

Awardee: Northwestern Rural Electric Cooperative Association, Inc.
Applicant Address: 22534 State Highway 86, Cambridge Springs, PA 16403
Project Site: 22534 State Highway 86, Cambridge Springs, PA 16403
Project: Electric Vehicle Drive Experience
County: Crawford
Award Total: \$7,500
Number of Vehicles: 1
Estimated GGE saved per year: 1,190
Project Description: Northwestern Rural Electric Cooperative is purchasing an EV.

Awardee: Philadelphia Authority for Industrial Development
Applicant Address: 4747 S. Broad St., Philadelphia, PA 19112
Project Site: 1811 Kitty Hawk Ave., Phila. PA 19112
Project: PIDC EV lease
County: Philadelphia
Award Total: \$7,500
Number of Vehicles: 1
Estimated GGE saved per year: 240
Project Description: PIDC is leasing an EV.

Awardee: ProGas Inc
Applicant Address: 2314 Evans City Rd. Zelienople, PA 16063
Project Site: 2314 Evans City Rd. Zelienople, PA 16063
Project: ProGas Alternative Fuel
County: Butler
Award Total: \$6,500
Number of Vehicles: 1
Estimated GGE saved per year: 1,224
Project Description: ProGas, Inc is replacing a gasoline vehicle with a propane-fueled vehicle. ProGas intends to use the project to train six new technicians to do propane conversions and troubleshooting.

2019 Round 2 Class 3+ Vehicle Projects

Awardee: 3M Transport, LLC
Applicant Address: 284 Shenosky Rd., Punxsutawney, PA 15767
Project Site: 284 Shenosky Rd., Punxsutawney, PA 15767
Project: 3M Transport - AFIG 2019
County: Jefferson
Award Total: \$14,550
Number of Vehicles: 1
Estimated GGE saved per year: 2,250
Project Description: 3M Transport is purchasing one bi-fuel CNG vehicle.

Awardee: AAA Club Alliance
Applicant Address: 777 Brewster Ave., Philadelphia, PA 19153
Project Site: 777 Brewster Ave., Philadelphia, PA 19153
Project: AAA Propane Vehicle Project II
County: Philadelphia
Award Total: \$17,335
Number of Vehicles: 1
Estimated GGE saved per year: 4,493
Project Description: AAA is purchasing one propane tow vehicle.

Awardee: Bradford Area School District
Applicant Address: 3292 Route 59, Bradford, PA 16701
Project Site: 150 Lorana Ave., Bradford, PA 16701
Project: Alternative Fuels Incentive Grant Program
County: McKean
Award Total: \$19,000
Number of Vehicles: 2
Estimated GGE saved per year: 8,000
Project Description: Bradford Area School District is purchasing two propane school buses.

Awardee: Centre County Recycling and Refuse Authority
Applicant Address: 253 Transfer Road, Bellefonte, PA 16823
Project Site: 253 Transfer Road, Bellefonte, PA 16823
Project: Commercial Recycler and Old Corrugated Cardboard Recycler
County: Centre
Award Total: \$58,823
Number of Vehicles: 2
Estimated GGE saved per year: 2,906
Project Description: CCRRA is purchasing two recycling trucks.

Awardee: Crawford Area Transportation Authority
Applicant Address: 214 Pine Street, Meadville, PA 16335
Project Site: 214 Pine Street, Meadville, PA 16335
Project: Alternative Fuel Vehicles for Public Transportation
County: Crawford, Venango
Award Total: \$290,000
Number of Vehicles: 11
Estimated GGE saved per year: 66,000
Project Description: Crawford Area Transportation Authority is purchasing eight propane and three CNG vehicles.

Awardee: Eurofins Lancaster Laboratories
Applicant Address: 2430 New Holland Pike, Lancaster, PA 17601
Project Site: 2430 New Holland Pike, Lancaster, PA 17601
Project: Eurofins Lancaster Laboratories Inc.
County: Lancaster
Award Total: \$80,000
Number of Vehicles: 2
Estimated GGE saved per year: 3,818
Project Description: Eurofins Lancaster Laboratories is purchasing two electric shuttle buses.

Awardee: Noble Environmental Inc.
Applicant Address: 111 Conner Lane, Belle Vernon, PA 15012
Project Site: 259 5th Street, West Elizabeth, PA 15087
Project: Noble Environmental CNG Recycling Trucks - Allegheny Co
County: Allegheny
Award Total: \$300,000
Number of Vehicles: 8
Estimated GGE saved per year: 3,200
Project Description: Noble Environmental is purchasing eight CNG recycling trucks.

Awardee: Noble Environmental Inc.
Applicant Address: 111 Conner Lane, Belle Vernon, PA 15012
Project Site: 111 Conner Lane, Belle Vernon, PA 15012
Project: Noble Environmental CNG Garbage Trucks - Westmoreland Co
County: Westmoreland
Award Total: \$300,000
Number of Vehicles: 8
Estimated GGE saved per year: 3,200
Project Description: Noble Environmental is purchasing eight CNG garbage trucks.

Awardee: Radnor Township School District
Applicant Address: 230 King of Prussia Rd, Radnor PA 19087
Project Site: 230 King of Prussia Rd, Radnor PA 19087
Project: Radnor Township School District Propane Bus Replacement Project
County: Delaware
Award Total: \$43,500
Number of Vehicles: 5
Estimated GGE saved per year: 6,332
Project Description: The Radnor Township School District is purchasing five propane school buses

Awardee: Seven Springs Mountain Resort Inc.
Applicant Address: 777 Waterwheel Drive, Champion, PA 15622
Project Site: 777 Waterwheel Drive, Champion, PA 15622
Project: Seven Springs Go Green Passenger Transit Upgrade
County: Somerset
Award Total: \$87,500
Number of Vehicles: 5
Estimated GGE saved per year: 8,333
Project Description: Seven Springs is purchasing five propane shuttle buses.

Awardee: Tri-County Industries, Inc.
Applicant Address: 121 Brickyard Road, Mars, PA 16046
Project Site: 159 TCI Park Drive, Grove City, PA 16127
Project: New CNG Fueled Waste Collection Vehicle Purchase-Tri County Industries
County: Mercer
Award Total: \$300,000
Number of Vehicles: 8
Estimated GGE saved per year: 178,400
Project Description: Tri-County Industries is purchasing eight CNG waste vehicles

Awardee: United Parcel Service (UPS)
Applicant Address: 55 Glenlake Parkway, Atlanta, GA 30328
Project Site: 521 N. Center Ave., New Stanton, PA 15672
Project: UPS CNG Delivery Truck Project- New Stanton PA
County: Westmoreland
Award Total: \$300,000
Number of Vehicles: 12
Estimated GGE saved per year: 265,846
Project Description: UPS is purchasing 12 CNG tractors for use at their New Stanton facility.

Awardee: United Parcel Service
Applicant Address: 55 Glenlake Parkway, Atlanta, GA 30328
Project Site: 700 Blair Mill Rd. Horsham, PA 19044
Project: UPS CNG Delivery Truck Project- Willow Grove
County: Montgomery
Award Total: \$300,000
Number of Vehicles: 12
Estimated GGE saved per year: 265,846
Project Description: UPS is purchasing 12 CNG tractors for use at their Willow Grove facility.

2019 Round 2 Innovative Technology Project

Awardee: V2G Energy, LLC
Applicant Address: 4960 S. 12th St. Building 661, The Navy Yard, Philadelphia, PA 19112
Project Address: 4960 S. 12th St. Building 661, The Navy Yard, Philadelphia, PA 19112
Project: Multifamily Electric Vehicle Charging for Philadelphia
County: Philadelphia
Award Total: \$300,000
Project Description: V2G Energy has been awarded AFIG funding to initiate a business in supplying electric vehicle charging facilities to multifamily residences in the Greater Philadelphia area and managing them to provide services including AFIG-developed advanced technology for Demand Charge Management and Ancillary Services to the grid and successfully demonstrate an Electric Vehicle Charging

2020 AFIG FAST Act Refueling Infrastructure Projects

Awardee: U-Go Stations Inc.

Applicant Address: 1818 Market St., 13th Floor, Philadelphia, PA 19103

Project Site: 601 Church Street, White Haven PA 18661

Project: DC Fast Charging Project on Rt.80 White Haven PA

Fuel Type: Electric

County: Luzerne

Award Total: \$85,000

Estimated GGE saved per year (5-year estimate): 40,800

Project Description: The U-Go stations project will install two DC fast chargers at the Fuel One Gas and Convenience Store on I-80 in White Haven, PA.

Awardee: Dolores Holdings LLC (American Natural)

Applicant Address: 100 Ryan Ct., Suite 21, Pittsburgh, PA 15205-1324

Project Site: 940 Sheraton Drive, Mars PA 16046

Project: American Natural Cranberry EV Charging Station

Fuel Type: Electric

County: Butler

Award Total: \$104,048

Estimated GGE saved per year (5-year estimate): 20,400

Project Description: The American Natural Cranberry EV Charging station project will install one DC fast charger with at the American Natural station in Cranberry, PA.

Awardee: Hypatia Holdings LP (American Natural)

Applicant Address: 100 Ryan Ct., Suite 21, Pittsburgh, PA 15205-1324

Project Site: 2619 Wexford Bayne Rd, Sewickley PA 15143

Project: American Natural Wexford EV Charging Station

Fuel Type: Electric

County: Allegheny

Award Total: \$107,341

Estimated GGE saved per year (5-year estimate): 20,400

Project Description: The American Natural Wexford EV Charging station project will install one DC fast charger with at the American Natural station in Wexford, PA.

Awardee: Scarlett Holdings LP (American Natural)

Applicant Address: 100 Ryan Ct., Suite 21, Pittsburgh, PA 15205-1324

Project Site: 201 Scharberry Lane, Mars PA 16046

Project: American Natural Mars EV Charging Station

Fuel Type: Electric

County: Butler

Award Total: \$99,336

Estimated GGE saved per year (5-year estimate): 20,400

Project Description: The American Natural Mars EV Charging station project will install one DC fast charger with at the American Natural station in Mars, PA.

Awardee: Ariel Holdings LP (American Natural)

Applicant Address: 100 Ryan Ct., Suite 21, Pittsburgh, PA 15205-1324

Project Site: 2 Rich Hill Rd, Cheswick, PA 15024

Project: American Natural Harmar EV Charging Station

Fuel Type: Electric

County: Allegheny

Award Total: \$101,881

Estimated GGE saved per year (5-year estimate): 20,400

Project Description: The American Natural Harmar EV Charging station project will install one DC fast charger with at the American Natural station in Harmar, PA.

Awardee: Camille Holdings LLC (American Natural)

Applicant Address: 100 Ryan Ct., Suite 21, Pittsburgh, PA 15205-1324

Project Site: 4100 Grandview Drive, Gibsonia, PA 15044

Project: American Natural Gibsonia EV Charging Station

Fuel Type: Electric

County: Allegheny

Award Total: \$110,610

Estimated GGE saved per year (5-year estimate): 20,400

Project Description: The American Natural Gibsonia EV Charging station project will install one DC fast charger with at the American Natural station in Gibsonia, PA.



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DEPARTMENT OF ENVIRONMENTAL
PROTECTION
COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
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