

# DELAWARE EEAC

Energy Efficiency  
Advisory Council



## 2021 Annual Report





## Letter from the Chair

Dear Delawareans,

As the Chair of the Delaware Energy Efficiency Advisory Council, I am pleased to present the 2021 Annual Report of the Council. Established by the legislature in 2014, the EEAC works to develop energy savings targets and assist program administrators to deliver energy efficiency programs to their customers. This report serves to inform stakeholders of the results of the 2021 calendar year, the second year of 2021-2022 Plan term.



Despite the challenges of a second year of living with the COVID-19 global pandemic, 2021 was an exciting year for Delaware climate and energy policy. After an extensive public input process, the Governor released Delaware's first Climate Action Plan (CAP) in November 2021. The CAP identifies several actions and pathways the state can take to meet its goal of reducing greenhouse gas emissions by at least 26% by 2025 and beyond. A key strategy identified in the CAP was expanding energy efficiency programs for residential and commercial buildings, one of the most cost-effective ways to reduce greenhouse gas emissions. This highlights the important role energy efficiency plays not only in providing benefits to ratepayers and the energy system, but also in supporting statewide climate goals and protecting future generations of Delawareans. It also makes the Council's work that much more critical.

This report contains a summary of the activities of the EEAC over the past year, including work in the areas of evaluation, measurement, and verification ("EM&V"), program development focused on equity, and the consideration of new opportunities for program enhancements. The report also provides individual updates for each energy efficiency program administrator. It includes their progress towards energy savings targets and program results and updates.

In 2022, the EEAC will begin their important work in 2022 of planning for the next three-year term. I look forward to working cooperatively with the Council and other stakeholders to identify expanded opportunities to reduce both energy use and GHG emissions to achieve Delaware's energy policy priorities.

Sincerely,

A handwritten signature in blue ink that reads "Robert Underwood". The signature is fluid and cursive.

Robert Underwood  
DNREC – Energy Program Administrator

<sup>1</sup> <https://documents.dnrec.delaware.gov/energy/Documents/Climate/Plan/Delaware-Climate-Action-Plan-2021.pdf>

## Introduction

Since 2014, the Delaware Energy Efficiency Advisory Council (“EEAC” or “Council”) has been working as a collaborative panel of representatives to support the development of energy efficiency programs that increase energy efficiency, reduce energy usage, and lower consumer energy costs across the State. One of the primary tasks of the Council is to assist Delaware’s electric and natural gas utilities and program administrators with developing and deploying energy efficiency programs that are cost-effective, reliable, and achievable. The 2021 EEAC Annual Report highlights the actions of the Council and participating program administrators over the past year and documents the State’s progress towards the implementation of energy efficiency programs for all Delawareans.

## Council Mission Statement

The EEAC’s mission is to assist affected energy providers in the development of energy efficiency, energy conservation, peak demand reduction, and emission-reducing fuel switching programs for all customer classes. These programs and financing mechanisms aim to be cost-effective, reliable, and feasible, and include evaluation, measurement, and verification of energy savings. The Council strives to collaborate with the Public Service Commission staff and the Public Advocate to recommend candidate programs for three-year portfolios to be approved by the Public Service Commission or the appropriate governing body. For more information and to follow the work of the Council, visit [de.gov/eeac](http://de.gov/eeac).



# 2021 Program Summary

## ENERGY EFFICIENCY PERFORMANCE OUTCOMES

### 2021 energy efficiency savings equivalent to:

Approximately **6,870 homes** powered for a year through electric savings



Over **1,170 homes** heated for a year through gas savings



Almost **43,325 metric tons** of carbon dioxide avoided each year, the equivalent of taking **9,400 cars** off the road.

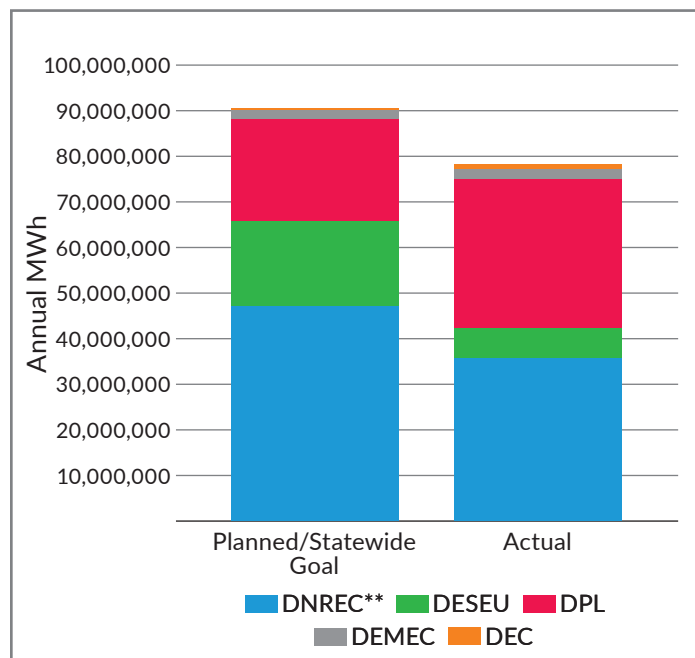


## PROGRESS TOWARDS ENERGY SAVINGS TARGETS

In early 2020, the EEAC established three-year non-binding energy savings targets based on these plans as well as Delmarva Power & Light's plan that had already been approved by the Public Services Commission (PSC). 2021 represents the second year of the latest three-year goals. Figure 1 shows the electric program savings in 2021 compared to planned savings and the statewide target for the year. These savings represent preliminary (unevaluated) results.

Figure 2 presents similar information from gas program savings.

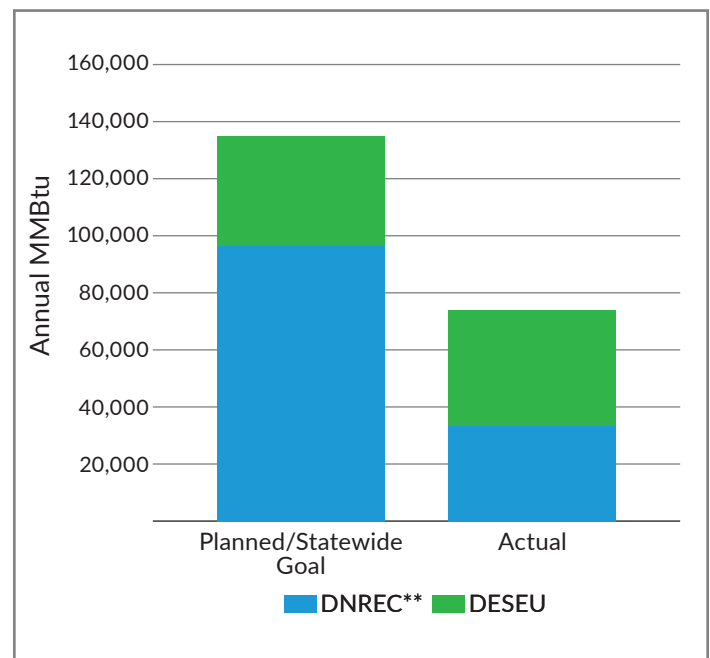
**Figure 1. 2021 Net Electric Savings\***



\* For preliminary results, net savings were calculated using statewide net-to-gross ratios as approved by the EEAC EM&V Committee.

\*\* DNREC EEIF planned numbers included savings for projects preapproved in 2021. Some of those projects will be completed in 2021 and are not included in 2021 final savings numbers.

**Figure 2. 2021 Net Gas Savings\***



\* For preliminary results, net savings were calculated using statewide net-to-gross ratios as approved by the EEAC EM&V Committee.

\*\* DNREC EEIF planned numbers included savings for projects preapproved in 2020. Some of those projects will be completed in 2021 and are not included in 2020 final savings numbers.



## Program Results and Updates

### DNREC DIVISION OF CLIMATE, COASTAL, & ENERGY

The DNREC Division of Climate, Coastal, & Energy (DCCE) supports energy efficiency and conservation programs that help reduce energy use and impact on the State's environment and public health. In 2021, the Division's energy efficiency efforts included the Energy Efficiency Investment Fund (EEIF), Energy Efficiency Industrial (E2I) program and the Weatherization Assistance Program (WAP). These programs contributed to reducing the production of harmful greenhouse gasses, lowered energy costs, and improved the value and comfort of homes and businesses in Delaware. The table below presents preliminary results of DNREC's progress towards achieving its energy savings targets. In early 2021, DNREC's EM&V contractor completed an evaluation of DNREC's 2020 program results. This evaluation can be found on DNREC's website at:

<https://documents.dnrec.delaware.gov/energy/eeif/2020-EEIF-Evaluation-Report.pdf>

**Table 1. 2021 DNREC Performance Metrics**

Annual Electric Energy Savings (MWh)	35,770
Annual Electric Demand Savings (kW)	24
Annual Natural Gas Savings (MMBtu)	33,954
Annual Other Fuel Savings (MMBtu)	-
Program Spending (Millions)	\$14.1

### ENERGY EFFICIENCY INVESTMENT FUND

#### *Program Description*

The Energy Efficiency Investment Fund (EEIF) provides financial incentives to Delaware businesses, local governments, and non-profits to make building technology upgrades that result in energy, peak demand, and operating cost savings. The program includes both prescriptive incentives and a custom incentives pathway that supports more complex and comprehensive projects. EEIF is funded by the Delaware Public Utility Tax, with some additional funding in 2021 provided by the Regional Greenhouse Gas Initiative (RGGI) and one-time allocations from the Pepco-Exelon merger settlement. In 2021, DNREC launched an online application portal for use by participants. The portal provides a streamlined way for applicants to input and upload project information, saving them time and making the application process easier. DNREC also identified several potential program enhancements that it will consider implementing in 2022. Results in the table below represent projects completed in 2021.

**Table 2. 2021 EEIF Performance Metrics**

Annual Electric Energy Savings (MWh)	13,773
Annual Electric Demand Savings (kW)	-
Annual Natural Gas Savings (MMBtu)	18,858
Program Spending (Millions)	\$4.6
Participants (# of businesses)	69

### WEATHERIZATION ASSISTANCE PROGRAM

#### *Program Description*

The Weatherization Assistance Program (WAP) was created to reduce energy costs for low-income Delaware households by increasing the energy efficiency of their homes. In Delaware, WAP has been available to low-income residents since 1976. The current offering is administered by DNREC's Division of Climate, Coastal, and Energy and implemented by third party subgrantees. The program provides energy efficiency, weatherization, ventilation, and other health and safety measures to eligible residents. DNREC administers its WAP as a Grantee of the U.S. Department of Energy's WAP. Other sources of funding include the Low-Income Home Energy Assistance Program (LIHEAP), which is run by Delaware's Department of Health and Human Services, RGGI proceeds, and contributions from Delmarva Power and Light. To support WAP, the Delaware Sustainable Energy Utility's Pre-Weatherization Program (Pre-WAP) provides essential repairs to homes that have been deferred by WAP for structural reasons. Since Pre-WAP's inception in 2016, the program has enabled approximately 350 homes to receive WAP services that otherwise would not have due to the condition of the homes.

**Table 3. 2021 WAP Performance Metrics**

Annual Electric Energy Savings (MWh)	141
Annual Electric Demand Savings (kW)	24
Annual Natural Gas Savings (MMBtu)	590
Annual Other Fuel Savings (MMBtu)	-
Program Spending (Millions)	\$2.7
Participants (# of households)	120

## ADDITIONAL 2021 RESULTS AND PROGRAM CHANGES

Other WAP program highlights included:

- Utilized the Delaware LIHEAP ASSIST database to streamline WAP client intake using categorical eligibility; anticipating at least a 25% increase in the client pipeline.
- Incorporated the Unite Delaware referral platform into WAP operations to expedite client referrals to other low-income programs.
- Continued to coordinate home repairs through Pre-WAP program to 48 homes in 2021.
- Sent 3,900 letters to previously weatherized homes to attract them back for more WAP services based on the Congressional changes in 2020 to the WAP guidelines
- Accomplished 491 person-hours in training for auditors and Quality Control Inspectors under strict constraints due to COVID-19.

### CASE STUDY

#### WEATHERIZATION ASSISTANCE PROGRAM

##### The Need

A client living in a 1,120 square single family home in Georgetown, Delaware was very uncomfortable in the home and was seeking lower utility bills and improved comfort. The home was drafty and the existing attic insulation was R-20 and there was no insulation in the floor. The client has electric baseboards to heat the home and prior to weatherization services, her electric bill was about \$200 in the winter and \$77 in the summer. Before receiving weatherization services, the home was referred to another low-income program to address a leaky roof.

##### The Solution

The home received insulation in the floor and attic, 22 linear feet of HVAC duct insulation, 198 linear feet of pipe wrap, 3 installed door sweeps, 8 LED bulbs, and a vapor barrier in the crawl space for moisture control. The attic insulation was increased from an R-20 to an R-39 and the floor received R-19 batt insulation. The air sealing measure reduced the air infiltration of the home by 813 cubic feet/minute.

##### Savings Summary

- \$10,141 project cost
- The energy savings ranged between 29% in the summer to 42% in the winter
- Savings of 4,003 kWh annually and a cost savings of \$444
- For every WAP dollar invested there is a \$1.71 return on investment



*My electric bill has been cut in half and my home is so much warmer in the winter. The house was staying so cool in the summer, I thought that something was wrong, then I realized that the tightness of the house was because of the weatherization! I can definitely feel the difference in my comfort and I am doing really good. The installation crew was wonderful and respectful. I am so thankful for everything done to the home."*

–WAP Client

# Program Results and Updates

## ENERGY EFFICIENCY INDUSTRIAL

### Program Description

The Energy Efficiency Industrial (E2I) program is designed to encourage non-standard energy efficiency upgrades. It is available to Delmarva Power and Light customers whose annual consumption is greater than 10,000 MWh and/or 95,000 MMBtu annually. E2I is geared towards a comprehensive full-facility upgrade that maximizes energy savings and cost-effectiveness. E2I allows for unique and creative solutions to complex, large-scale projects. Although the potential savings from each E2I project are substantial, the number of customers eligible to participate in the program are small. E2I was funded by one-time allocations from the Pepco-Exelon merger settlement, nearly all of which was allocated in 2021. For this reason, E2I is not expected to continue as a distinct DNREC

program, though large C&I customers will be able to continue to receive energy efficiency services through EEIF. The E2I projects completed in 2021 included:

- Messer/Linde Claymont Plant: Compressed air, chiller plant, process and boiler system improvements
- FMC - Stine Site Grow Chambers: Indoor agriculture grow chambers lighting retrofit
- FMC - Stine Site Building S115: Industrial chilled water plant upgrade and system optimization

Table 4. 2021 E2I Performance Metrics

Annual Electric Energy Savings (MWh)	21,856
Annual Electric Demand Savings (kW)	-
Annual Natural Gas Savings (MMBtu)	14,506
Program Spending (Millions)	\$7.8
Number of Completed Projects	3

## CASE STUDY

### ENERGY EFFICIENCY INDUSTRIAL

#### The Need

FCM is an agricultural sciences company that advances farming through innovative and sustainable crop protection. In 2021 they needed to make upgrades to several of their Stein Research Center systems. The agricultural growth chambers needed a new energy management system to implement the latest technology in laboratory HVAC. The five growth chambers in a couple of the buildings stood to benefit from better lighting by retrofitting the chambers efficient lighting. FCM also wanted to undertake a series of upgrades and optimization strategies to reduce chilled water consumption and likely fan energy use.

#### The Solution

FCM undertook three E2I projects to address their needs, two of which were completed in 2021. The chambers' T12 fluorescent lamps were retrofitted to T5 bulbs. Each chamber included (36) canopies with (10) lamps in each canopy for a total conversion of 360 bulbs. As a result, 1,800 T12 lamps were converted to T5. This resulted in electrical savings from the light reduction as well as reduced cooling requirements as the T5's emit less heat. As second project replaced a water-cooled air compressor with an air-cooled air compressor, added controls of the Chilled Water System and Compressed Air System to the Building Automation System, and provided the ability to de-energize the Chilled Water System during cold weather, shutting off a 20-HP pump and 125-Ton chiller.

### Savings Summary

Project	Total Project Cost	Incentive Payment	Annual Energy Savings	Annual Cost Savings
Lighting Upgrade	\$805,871	\$238,282	735,132 kWh	\$53,056
Chilled Water System	\$105,640	\$31,692	735,132 kWh	\$913,841

Throughout the application, pre-approval, and final approval process, DNREC was terrific to work with. The expectations of the application process were made clear, the review was very thorough especially on the energy-savings calculations, and we learned a lot about how DNREC incentivizes sustainability projects using the E2I program. DNREC provided all the support we requested throughout the process.





## DELAWARE SUSTAINABLE ENERGY UTILITY

The Delaware Sustainable Energy Utility (DESEU) was created in 2007 by the state of Delaware to foster a sustainable energy future. The DESEU serves as a one-stop resource to residents and businesses by offering numerous programs through its Energize Delaware initiative. In 2021, the DESEU helped more than 6,700 Delaware utility customers save money through energy efficiency. The DESEU is primarily funded through the Regional Green House Gas Initiative (RGGI) but leverages multiple sources of funding such as tax-exempt bonds and leases, fees and interest on financing, and fees for services.

**Table 5. 2021 DESEU Performance Metrics**

Annual Electric Energy Savings (MWh)	6,610
Annual Electric Demand Savings (kW)	–
Annual Natural Gas Savings (MMBtu)	40,240
Annual Other Fuel Savings (MMBtu)	14,206
Program Spending (Millions)	\$11.5
Participants (# businesses, organizations, or households)	6,752

## HOME PERFORMANCE WITH ENERGY STAR

The SEU's flagship Home Performance with ENERGY STAR® (HPwES) program, which is going into its ninth year, offers a whole house approach to improving comfort and safety in the home, and it provides homeowners significant savings on their utility costs. Delaware homeowners learn ways to improve the energy efficiency of their homes through completion of a subsidized, comprehensive home energy assessment performed by certified contractors. They also receive up to \$200 of energy saving items such as LED light bulbs and pipe insulation.

After the assessment, homeowners making recommended energy saving improvements can take advantage of rebates that make energy improvements more affordable. Reduced assessment costs and increased rebates are also available to income qualified Delawareans. Program adjustments continue as a result of the COVID-19 virus to encourage participation in the program and keep our participating contractors working. Qualifying homeowners may also apply for special 5.99% financing for energy saving home

improvements, up to \$30,000, through the Energize Delaware Energy Efficiency Residential Loan Program.

In 2021, Burns & McBride Home Comfort, First Class HVAC, Maichles Heating & Air Conditioning, Inc. and SchagrinGAS, received the U.S. Department of Energy Century Club Award for completing more than 100 jobs in 2020. Energy Efficient Earth, Energy Solutions LLC, Energy Services Group, Independence Power Solutions, Equinox LLC, and Home Performance Consulting LLC, all completed more than 100 assessments in 2020. Home Performance Group promoted the most loans and Assisted HP projects. Awards were delayed due to COVID. And for a fifth year in a row, Energize Delaware has received an ENERGY STAR® Award. In 2021, the program was awarded the Sustained Excellence Award for program delivery.



U.S. Secretary of Energy, Jennifer M. Granholm, Javier Paula, and U.S. Senator Tom Carper at One Millionth Home Performance Home.

*The sign-up process was smooth and easy. Not a lot of paperwork. It was quick and efficient. They came in when they said and quickly got the work done. Within a month of me having everything done in my home I had the lowest electric bill I have had in this house in 14 years. In addition, a few years ago, in the winter my electric bill was over \$800. With all that was done to my home, there is more than a 50% savings. It worked."*

*– Javier Paula*

*HPwES is a cost sharing partnership program. In addition to Energize Delaware's program funding, Delaware Electric Cooperative (DEC) funded 576 energy audits and home energy upgrades in the amount of \$162,364 which resulted in 665 MWh of electric and 290 MMBtu of gas savings. Funding provided by DEC and the associated savings are counted in Table 7 of the DEC section of this report.*



# Program Results and Updates

## ADDITIONAL 2021 RESULTS AND PROGRAM CHANGES

Savings results from DESEU's numerous other programs in 2021 are listed in Table 6. Please note, numbers in the table may not precisely add up due to rounding.

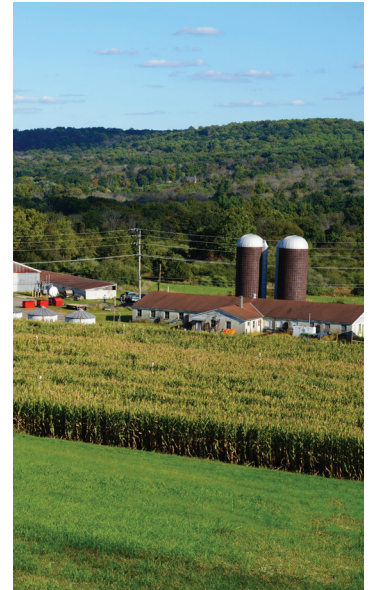
**Table 6. 2021 DESEU Savings by Program**

Program	Annual Electric Energy Savings (MWh)	Annual Electric Demand Savings (kW)	Annual Natural Gas Savings (MMBtu)
<b>Residential</b>	<b>4,477</b>	<b>1,121</b>	<b>7,650</b>
Affordable Multifamily Housing	379	-	1,449
Energy Assessments for Non-profits	1,824	671	2,463
HEC2*	129	-	(6)
Home Performance with Energy Star	1,745	445	3,056
Lights-On	155	-	-
Pre-weatherization	-	-	-
Virtual Home Assessment	-	-	-
Online Marketplace	245	5	690
<b>Commercial &amp; Industrial</b>	<b>2,133</b>	<b>1,132</b>	<b>32,589</b>
ZeMod	33	-	1,561
Delaware C-PACE	603	-	27,129
Low Interest Loan for Small Business and Non-profit	1,108	408	1,922
Pathway to Green Ribbon Schools	220	85	52
Farm Efficiency Program	99	612	-
Faith Efficiency Program	71	28	1,925
Energy Performance Contract	-	-	-

\* Note: Negative savings numbers due to fuel switching.

### SEU highlights from these programs include:

- 28 affordable multifamily properties participated and received the technical services of the program.
- 7 Places of Worship received energy assessments through the program and paid for 100% of the assessment costs. A subset of this program is the Climate Conversation Initiative which fosters opportunities to encourage open and respectful dialog among diverse audiences about climate change-related issues. In 2021, these sessions were offered virtually.
- 11 farm energy audits were completed in 2021, with 3 technical assistance reports completed and Incentives in the amount of \$220,940 were awarded for energy efficiency projects.
- The C-PACE program expanded significantly in 2021 when Kent and Sussex counties signed participation agreements with Energize Delaware. In 2021, three PACE deals were closed, providing \$17.9 million for energy efficiency project and annual energy cost savings of \$47,948.
- 26 cities/towns participated in Lights-On Program serving more than 2,673 homes.
- Over 700 smart thermostats and over 285 LEDs were purchased by Delawareans through the online marketplace since its launch in March 2021.



## DELAWARE ELECTRIC COOPERATIVE



Delaware Electric Cooperative (DEC) is a member-owned electric distribution company serving 105,000 members in Kent and Sussex Counties Delaware. DEC implements several efficiency programs for residential, commercial, and agricultural customers. The programs typically provide prescriptive incentives for a short list of qualifying measures and equipment types. In 2021, savings achieved through the Home Performance with Energy Star program, in partnership with the SEU, doubled compared to what was achieved in 2020. DEC also offers demand response programs. Through the Electric Vehicle (EV) Program, EV owners can receive a one-time \$200 billing credit and an additional \$5 monthly billing credit for not using their EV chargers during Beat the Peak alerts. DEC also partnered with NEST's Rush Hour Rewards program to provide incentives for allowing DEC to adjust participating customers' NEST thermostats a few degrees during summer Beat the Peak alerts. Customers who sign up for the program receive a \$100 credit on their electric bills. Customers can also receive a \$5 monthly billing credit from June through September. The NEST Rush Hour Rewards program in 2021 saw a fourfold increase in energy savings compared to 2020.

**Table 7. 2021 DEC Performance Metrics**

Annual Electric Energy Savings (MWh)	1,010
Annual Electric Demand Savings (kW)	21,635
Annual Natural Gas Savings (MMBtu)	N/A
Program Spending (Millions)	\$1.8
Participants (# of businesses, residents, or units)	1,267

## DELAWARE MUNICIPAL ELECTRIC CORPORATION

The Delaware Municipal Electric Corporation (DEMEC) was incorporated in 1979 as a public corporation constituted as a Joint Action Agency and a wholesale electric utility. DEMEC represents and serves the eight municipal electric distribution utilities located in the State of Delaware. Collectively, they serve over 99,000 residents and businesses in their communities. DEMEC's Efficiency Smart program was initially launched in 2018. The program offers several options to help participating communities and their residential and business customers use less energy and save money through energy education, plug load meter reports, technical assistance, and financial incentives.

**Table 8. 2021 DEMEC Performance Metrics**

Annual Electric Energy Savings (MWh)	2,254
Annual Electric Demand Savings (kW)	592
Annual Natural Gas Savings (MMBtu)	N/A
Program Spending (Millions)	\$1.3
Participants (# of unique account holders or locations)	1,106

## POWER SAVERS

DEMEC also works with residential and commercial electric customers to reduce energy consumption during peak energy usage times through the Power Savers demand response program. On days that large increases in electric usage are expected, DEMEC will encourage customers to avoid activities that will increase their use by issuing "Power Saver Alerts." DEMEC uses a combination of municipal notification systems, contractor support, and website and social media to issue alerts and notify customers.



# Program Results and Updates

## CASE STUDY

### EFFICIENCY SMART PROGRAM APPLIANCE RECYCLING PROGRAM

#### The Need

One of DEMEC's core values is sustainability and finding strategic ways to transition to clean and energy efficient sources while mitigating costs for the utility and member customers. Oils, refrigerant, mercury-containing devices, foam insulation, and compressors inside appliances, like refrigerators, can be harmful to the environment if not disposed of properly. DEMEC's Energy Efficiency Program "Efficiency Smart" saw the need to responsibly recycle energy inefficient appliances and divert them from the waste stream. It was also important to ensure they are not sold into the secondary market for use that effectively negates the energy and environmental efforts of the program.

#### The Solution

DEMEC, in partnership with its member communities and Efficiency Smart, provides member customers incentives to responsibly recycle qualified appliances. Participation is not dependent upon purchasing a new appliance. Efficiency Smart will pick up and pay \$50 for each eligible refrigerator, freezer, dehumidifier, or window air conditioner and ensure it is responsibly recycled. In addition to the \$50 incentive, not running the old appliance can also reduce a customer's electric bill. Customers can schedule a free appliance pick-up and receive a check in the mail afterwards.

The Program's "Appliance Recycling Rewards" ensures appliances are properly recycled to prevent hazardous materials from entering a landfill. Properly recycling old units also permanently removes them from the electric grid, helping to lower energy usage and environmental impact.

*Appliance Rebate Rewards gives our residents peace of mind knowing their outdated appliances are recycled responsibly, while also earning cash. Last year, more than 40 appliances were collected by Efficiency Smart in Newark, which allowed the City to save time and money and focus efforts on other city-wide projects.*

– **Tom Coleman** City Manager of City of Newark (New Castle County)



#### Savings Summary

Table 10. 2021 DEMEC Appliance Recycling Performance Metrics

Incentive Payment	\$50 / eligible appliance	
2021 Annual Energy Savings	107 MWh saved and 27 kW peak savings	
107 MWh saved and 27 kW peak savings	\$16,725	
2021 Units Recycled	<ul style="list-style-type: none"><li>• Window A/C Units 57 Units</li><li>• Dehumidifiers 31 Units</li><li>• Freezers 10 Units</li><li>• Refrigerators 23 Units</li></ul>	

As a proud member of DEMEC, the Town of Smyrna values strategic partners like Efficiency Smart that are brought into the community to benefit our residents. Properly disposing of aging appliances and materials, with an educational component for customers on conservation, all while earning a cash reward are valued-added benefits of the Program. Their staff are like an extension of our team and bring high quality customer service to our utility operations.

– **Andrew S. Haines** Town Manager of the Town of Smyrna (Kent County)

## Council Background and Activities



### LEGISLATIVE BACKGROUND

Title 29 §8059 of the Delaware Code enables all of Delaware's energy providers to offer cost-effective energy efficiency programs to their customers in collaboration with the Delaware Sustainable Energy Utility. The legislation specified that programs should utilize private financing and allowance proceeds from the Regional Greenhouse Gas Initiative as the preferred sources of program financing prior to funds recovered from ratepayers. It also requires that regulations be promulgated, specifying how energy savings should be measured and verified. The legislation also created the EEAC, which is composed of a variety of energy efficiency stakeholders appointed by the Cabinet Secretary of the Department of Natural Resources and Environmental Control (DNREC).

### REGULATED UTILITIES

In 2021, Delmarva continued implementing its three programs that launched in 2020. An LED lighting program provides customers with instant in-store discounts on efficient bulbs to encourage them to replace inefficient lighting. Lastly, a behavior program helps customers to reduce energy use by changing their actions. Customers will receive home energy reports comparing their usage with neighbors in similar homes. Reports will provide high usage alerts and more personalized data to keep customers informed about their energy usage and how to reduce it.

*Table 9. 2021 DPL Performance Metrics*

Annual Electric Energy Savings (MWh)	32,626
Annual Electric Demand Savings (kW)	7,437
Annual Natural Gas Savings (MMBtu)	N/A
Program Spending (Millions)	\$2.1
Participants	317,699

Updates on DPL's programs for 2021 included the following:

- Customers can receive instant in-store discounts at 66 retail locations throughout the Delmarva service territory which include: Dollar Tree, Habitat ReStore, Lowe's, The Home Depot and Walmart.
- Community endeavors serving the low to moderate income community continue with ongoing distributions based on eligible zip codes within the Delmarva Power service territory. Through Energize Delaware, Friendship House, Food Bank of Delaware, and United Way of Delaware, 28,328 LED have been distributed for the year.
- The website [www.delmarva.com/lights](http://www.delmarva.com/lights) is available for information about the program, lighting options and includes a link to a listing of retailers by zip code showing available stores with the lighting discounts.
- Web banners, Facebook and Instagram ads, Discovery ads, and Paid Search for Appliance Recycle ran in October, with web banners and Paid Search continuing to run through November. An email and direct mail postcard were deployed in October to boost participation.
- More than 169,000 print Home Energy Reports were sent to Delmarva customers in Q4 2021.



## Committee Updates

The Council includes two permanent subcommittees. The membership of both includes, at a minimum, a representative from each program administrator. Other members of the Council may join either subcommittee. The sections below summarize the activities of these committees in 2021.

### EM&V COMMITTEE

The Evaluation, Measurement and Verification (“EM&V”) Committee works to address aspects of planning, managing, overseeing, and reporting of all EM&V activities in Delaware. In addition to ensuring that public spending on efficiency is prudent and cost-effective, EM&V also informs program design improvements and guides future investment decisions. Committee participants include energy efficiency program administrators, Council members, and community stakeholders. In 2021, the committee oversaw development of a Delaware-specific Technical Reference Manual (TRM), voted on a statewide reporting framework, reviewed snapshot reports from all program administrators with active energy efficiency programs, and began preparing for the 2023-2025 planning process.

In 2022, the EM&V Committee will continue to focus on ensuring that all program administrators with active energy efficiency programs are fulfilling their regulatory-based EM&V obligations. The group will also work on adopting new avoided costs and net-to-gross ratios and reviewing PA three-year program plans.



### ENERGY ACCESS AND EQUITY COLLABORATIVE (FORMERLY LOW INCOME COMMITTEE)

To better reflect the future priorities and focus the Committee, the Low Income Committee voted to rename itself the Energy Access and Equity Collaborative (EAEC). The EAEC supports all Delaware low-income energy efficiency programs and initiatives. The EAEC provides feedback and guidance on the development and implementation of cost-effective program offerings. The EAEC membership includes EEAC members (including utility representatives), state agencies, community action agencies, community-based organizations, faith-based organizations, and community foundations.

The EAEC is tasked with monitoring progress of the deployment of 4 million dollars in Exelon merger funds designated for the creation of low-income energy efficiency programs. In 2021, the EAEC also spent time discussing additional goals for the future. In 2022, the EAEC expects to identify additional members and leaders, including a new Low Income representative to the full Council.

## Council Members

Rob Underwood (Chairperson)

*Department of Natural Resources and Environmental Control*

Scott Lynch

*Delaware Municipal Electric Corporation*

*Program Administrator*

Cassandra T. Marshall

*Quaker Hill Neighborhood Association*

*Residential Sector*

Harris B. McDowell, III\*

*Delaware State Senate*

*Delaware Sustainable Energy Utility*

Kelly McKeown

*Delaware Manufacturing Extension Partnership*

*Commercial Sector*

Glenn A. Moore

*Delmarva Power & Light*

*Program Administrator*

Kevin Yingling

*Delaware Electric Cooperative*

*Program Administrator*

Steve Baccino

*Chesapeake Utilities*

*Program Administrator*

Christian Fuess

*Delaware Energy Users Group*

*Manufacturing sector*

Ric Moore

*Delaware Sustainable Energy Utility*

Clem Dinsmore

*Delaware Nature Society*

*Environmental*

Charles Kistler

*HELP Initiative*

*Low-income sector*

Vacant

*Agricultural Sector*

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\*As Executive Director of DESEU, Tony DePrima has been given the proxy of one of the DESEU Council members on an "as needed" basis. Dr. DePrima has also been a key contributor to the EEAC throughout 2021.