

Energize Delaware Programs



Empowerment Grant – The Empowerment Grant has launched our 2020 Annual Report. It highlights the grants we have awarded, community outreach, grant opportunities in 2021, and The Energy Equity Fund. The 2020 Annual Report can be found on our website, and a physical copy will be available. The Empowerment Team is looking to sustain our program through the creation of the Energy Equity Fund. One way the Empowerment Team is taking steps to achieve this by holding an Energy, Housing, and Health Forum with Lt. Gov. Bethany Long-Hall on March 11th. Additionally, the Empowerment Grant Review Committee is currently reviewing one large-scale application and one community-scale application received. For more information, please visit our website: www.empowergrantde.org, “Like” us on Facebook, and Follow us on Instagram and Twitter.

Virtual Energy Assessments - The virtual energy assessment program launched in January 2021 and has been added to the Energize Delaware Website. We had 387 Sessions and 57 clients moved to complete the virtual assessment. We issued a press release and posted information on social media to promote the new program. On March 1, Channel 47, ABC WMDT ran a news segment and article on the virtual assessment program. See link: [DE residents learn ways to save money on energy bills - 47abc \(wmdt.com\)](http://www.wmdt.com)



Online Marketplace Program - The Online Marketplace portal development and testing occurred in January and February. We have been working with our program partner, Franklin Energy, to review potential product specials, bundles, and offerings once the site goes live. A press release will be issued along with social media posts to advertise and market the site in Mid-March. Site went live on March 9, 2021.



[Energize Delaware \(energizedelawaremarketplace.com\)](http://energizedelawaremarketplace.com)



SMART THERMOSTATS



SMART PRODUCTS



ADVANCED POWERSTRIPS

Pre-WAP Program - The Energy Coordinating Agency (ECA) is working to deliver Pre-WAP services in Delaware. Thirty-five clients have been referred to Pre-WAP since the relaunch of this program in October 2020. Nine clients have completed Pre-WAP and five of those clients have also moved through and received services from WAP. Nineteen clients have work assigned to contractors under Pre-WAP. ECA has several contractors lined up statewide to deliver services, and they are reaching out to other contractors to assess interest in delivering Pre-WAP services. Habitat for Humanity will be working with ECA to deliver and coordinate Pre-WAP services, to include homes in the City of Wilmington.

COVID-19 Utility Relief Fund – Catholic Charities delivers the COVID-19 Utility Relief fund on our behalf. Participation in this program has increased over the past several months. Energize Delaware funding helps clients affected by COVID that fall between gaps in funding from other programs. The funds are paid directly to the utility provider to assist with past due bills and avoid utility service disconnection. To date, 176 clients have been assisted from this fund with \$117,886 remaining.



ZeMod – We now have three families that have purchased and moved into their ZeMod homes. A contract is pending with USDA to purchase the ZeMod model in Knoll Acres, and Ms. Smith signed a contract for this home in January 2021. We have been evaluating the obstacles of this program and are currently evaluating the potential for a new program. USDA is still over a year behind on their loan application reviews. The Greenwood development is still pending, and this process has been very slow. Utility PV interconnection issues are still being worked out and cumbersome for all 4 homes. Energy Savings data is being collected, analyzed by VEIC, and entered in the Energy Orbit Energy Savings Database.

Photo Sundial Model at Knoll Acres

Lights On–Delaware Strong



Installation of energy efficient lights is continuing statewide. The Lights On team is working with civic organizations and property management organizations. Due to COVID-19, the door-to-door canvassing is still not underway. The program has completed over 400 installations in 2021. We are working to get the energy savings data entered in Energy Orbit for this program. HELP Initiative staff is working to expand this program into other communities.



Photos of Lights On team installing lights in Browntown in Wilmington

Affordable Multifamily Housing Program

– New Ecology, Inc., (NEI) continues working with clients on various phases of building assessments, upgrade designs, review of RFPs, proposals, and construction phases for clients with completed audits. Energy assessments were completed for two Milford Housing properties—Savanah East and East Atlantic. Lighting, heat pumps, air sealing and insulation are some of the projects being completed at Carrington Way, Lafayette Court, Marshall Manor, Acorn Acres and Elizabeth Cornish Landing. New construction projects awarded by DSHA through LIHTCs, are moving forward and at various stages of completion. There was some slow-down of projects due to COVID and virtual site visits for pre-bid meetings are being incorporated as needed. Two more projects are expected to close in the Spring for the DSHA Construction Loan partnership program.



Savanah East and East Atlantic - Milford Housing Development Corporation properties

Energy Assessments for Non-Profits

– We now offer free energy assessments for non-profit organizations through this program until the end of June 2021 to assist with COVID economic relief. Twenty-two energy assessments have been completed in FY 21 for non-profit organizations. Assessment reports were delivered to NCALL, Delaware Guidance Services (DGS) Dover, and DGS-Lewes. Several audits are scheduled for March including the Milford Armory Community Center and Temple Beth El. We offer virtual follow up meetings to discuss implementation details, EEIF incentives and low-interest loan offerings after the reports is delivered. LED T8 tubes donated by Phillips Lighting are also being installed by UD students during the assessments. We held a webinar to promote this program on Feb. 10, and it is posted on our website

[Energy Assessment Program - Energize Delaware](#)

DESEU Program Activity Report – January – February 2021



Faith Efficiencies – Assessment fees for faith-based organizations have been waived through the end of June 2021 to encourage program participation and help with economic recovery. The Lutheran Church of the Holy Spirit Assessment report has been completed and representatives were presented with funding opportunities. Virtual Home Performance presentations are being coordinated with participating faith organizations. Earth Care/Energy & Climate Displays for houses of worship are being coordinated for some organizations that are providing in person worship services.

Climate Conversations – Coordination continues with various organizations interested in hosting Climate Conversations. Krishna Village Community presentation was postponed and two others are scheduled in March for Master Naturalists through the DE Cooperative Extension Service and the Delaware Intercampus Climate Coalition (DEICC) for several events hosted by Del Tech. <https://www.deicc.org> Future events are in planning stages for the Lutheran Church of Our Savior, NAACP & Southern Delaware Alliance for Racial Justice, St. Peter’s Episcopal and other faith communities. For additional information contact locke@delawareipl.org



Photo of Statewide Islamic community with Green Muslim Presentation

Energize Delaware Farm Program



– EnSave, our program partner, is working with applicants for incentives and technical assistance. Approved efficiency measures include lighting, radiant heaters, building envelope and ventilation. EnSave is working with applicants to maximize funding resources through the Energize Delaware Farm Program and the NRCS EQIP and RCPP programs to leverage additional resources and install more projects. Farm projects did slow due to COVID, but they are ramping back up. A total of 38 loan applications have been completed and submitted through the program, two of them during FY 21. February report has not yet been received.

Audits complete to date	63
Technical Assistance Reports Completed to date	24
Incentives Paid this fiscal year (July-November)	\$11926
Number of incentive payments to date	65
Approved Incentives for projects in process	\$153,726

Pathways to Green Schools Program

– Mini Grants were awarded to nine Delaware K-12 schools this year to include five public schools and four private schools across the State. Energy assessments were completed at North Star Elementary School in Hockessin and at Urban Promise School in Wilmington. Due to the COVID, energy audits are conducted in person and then followed by a virtual meeting to walk students through findings. This allows more students to participate in a virtual setting. Data from the energy audits and follow-up implementation reports is being uploaded into the Energy Orbit Energy Savings Database. Building operator training will be offered as online webinars in April - June 2021. Resources: - [Pathways Resources document](#)



Photo- North Star Elementary Hockessin, Delaware

Home Energy Counseling & Check-up HEC²

– In-home checkups have resumed and 94 have been performed this fiscal year. A partnership has been formed with Sussex County Habitat for Humanity to start delivering these services and HELP Initiative will start delivering services in the Spring. Social media posts featuring energy counseling over the phone and weekly Facebook Live workshops continue - Thursdays at 2 pm. These offerings have been well received and so far, this year, **the team completed 7 Live Tapings with over 4,500 views!**

DESEU Program Activity Report – January – February 2021



HEC2 - In Home Assessments													Totals
	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	
FY19								0	1	5	2	4	12
FY20	9	61	37	35	26	48	42	77	15	0	0	0	350
FY21	0	2	12	14	18	17	19	12					94
FY22													-
FY23													-
FY24													-
FY25													-

HEC2 - Workshop Participants													Totals
	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	
FY19									19	0	11	52	82
FY20	0	0	13	0	70	10	12	12	25	0	0	0	142
FY21	0	0	0	0	19	9	22	16					66
FY22													-
FY23													-
FY24													-
FY25													-

Facebook Live Workshops History

Title	Topic	Air Date	Live Viewers	Current Views	Marketing Boost
JANUARY					
New Year, New Resources	Delaware Public Libraries	1/7/2021	53	190	Yes
Make Room for Energy	Energy Tips for the living room	1/14/2021	25	933	Yes
Have Faith & Energy	Faith Efficiencies program	1/21/2021	69	656	Yes
Credit for Old Appliances	DP Appliance Recycling program	1/28/2021	33	889	Yes
FEBRUARY					
Making Multifamily Housing Affordable	Affordable Multifamily Housing	2/4/2021	28	881	Yes
Just One Click Away	Virtual Assessment	2/11/2021	41	603	Yes
The Buzz about Ecobee	Ecobee Thermostats	2/25/21	47	400	Yes

Home Performance with ENERGY STAR Program – Our Program has remained open, and activity is increasing each month. Reduced energy assessment fees at 50% are available through the end of this fiscal year (June 30, 2021). Increased incentives for some measures to assist with the economic recovery for contractors are also available through June 2021. We now have 86 contractors enrolled in the program, and we continue to get interest from new contractors to join. The contractor scorecard is being updated and the new scores will be posted on the website in April.

The Best Practices Working Group (BPWG) met in February and will meet again in May to discuss any issues contractors may be experiencing in the field, such as material shortages or equipment availability. Site inspections for QA/QC are done virtually and in person inspections are increasing. We will continue to monitor the program and adjust as needed. Charts below, provided by Franklin Energy, show a comparison of Assessments and Jobs in the program year over year.

HPwES - Assessments													Totals
	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	
FY14								1	17	15	25	27	85
FY15	16	9	17	47	46	57	60	67	69	59	40	53	540
FY16	34	42	64	90	61	40	70	53	58	78	94	109	793
FY17	119	111	100	76	114	105	124	95	108	135	172	203	1,462
FY18	171	160	160	190	182	97	0	187	176	0	329	189	1,841
FY19	61	79	25	92	51	69	67	78	108	108	130	167	1,035
FY20	186	127	76	111	85	95	119	74	245	92	80	121	1,411
FY21	214	169	90	236	95	309	102	155					1,370

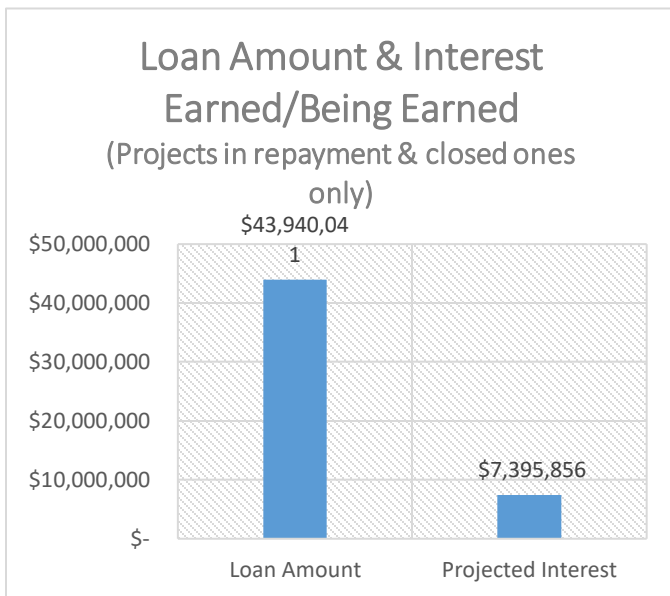
HPwES - Jobs													Totals
	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	
FY14	0	0	0	0	0	0	0	0	4	9	6	7	26
FY15	4	12	10	2	11	12	15	32	27	27	24	21	197
FY16	14	7	18	20	24	24	20	34	32	25	26	16	260
FY17	40	34	31	43	58	57	82	62	76	76	110	164	833
FY18	146	181	180	159	220	133	0	37	113	120	175	89	1,553
FY19	45	54	153	12	45	46	81	34	57	46	64	106	743
FY20	122	33	114	81	121	69	60	115	51	147	76	89	1,078
FY21	132	93	95	109	143	143	204	269					1,188

Energize Delaware Loan Programs:

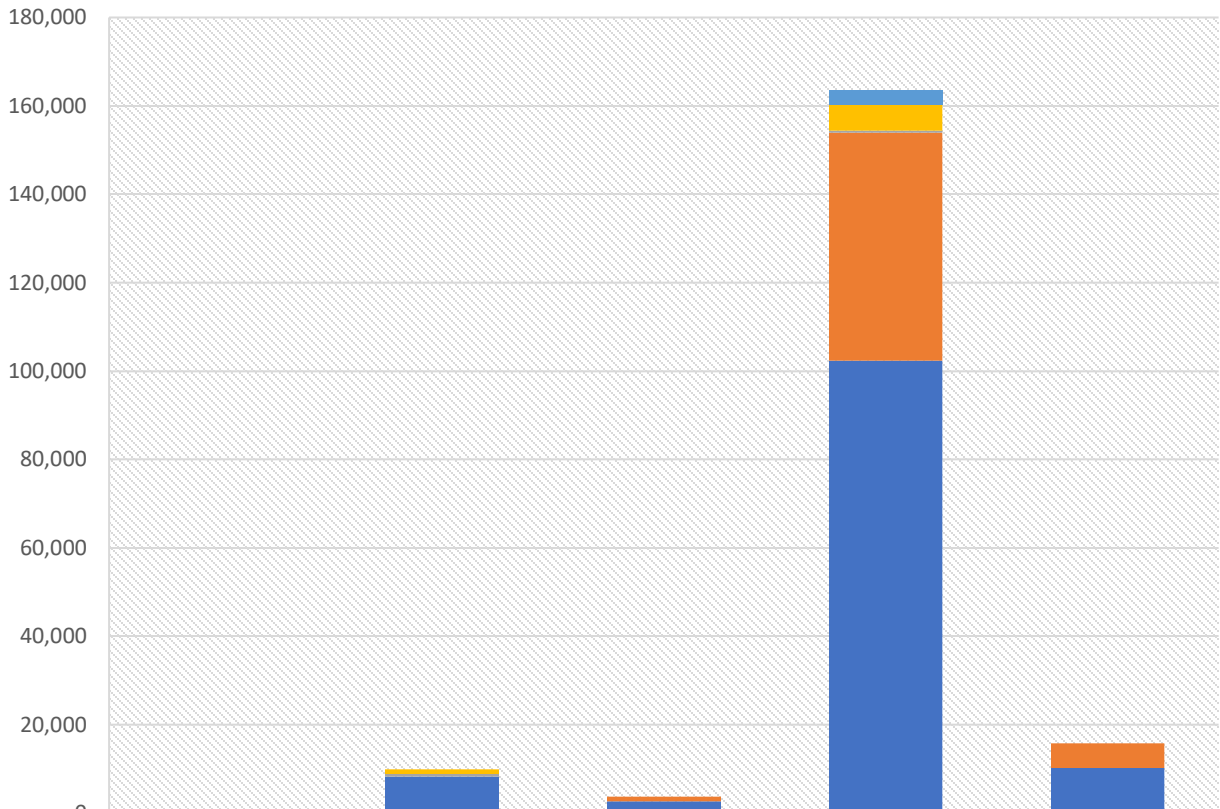
Residential Solar Loan Program – To date, 290 loan applications have been submitted; 16 applications were rejected due to credit score or debt to income ratio and four were withdrawn. This program has approved loans totaling \$4,189,293; loans totaling \$4,062,841 have completed their projects and moved into repayment status, and 9 projects totaling \$118,952 are under construction. Sixteen loans missed payments in February with payments being late in the mail—Eight of these were received in March; and 39 loans have been repaid. Data has been entered in Energy Orbit Statewide Energy Savings Database. 59 loan applications were submitted during this fiscal year.

Residential Energy Efficiency Loan Program – To date, 125 loan applications have been submitted totaling \$1,140,293; 90 have been completed and paid to contractors totaling \$1,093,074 and 4 are under construction totaling \$47,219. 30 applications were rejected due to high debt to income ratio, and one was withdrawn. Seven loan payments were outstanding for February—mostly due to late mail delivery, and 18 loans have been repaid in full. Activity on the energy efficiency loan program has started to increase with 6 applications submitted in February. This program is being tracked in the Energy Orbit Energy Savings Database in conjunction with the Home Performance with ENERGY STAR Program.

Low-Interest Commercial Loan Program – The total amount of this loan portfolio is \$43,940,041. Loans in repayment status totaling \$33,503,409 and seven projects are under construction totaling 1,414,747. Data below is from our Loan Tracking Spreadsheet and reflects data from the Commercial Loan Program. There is one loan in default and actions are being taken to remedy the status. The default is a result of one contractor not completing the installation of a battery system that was critical to the revenue stream. As a result, the project is not yet generating the income to support payment.



Annual Energy Savings in MMBTU



	1 - Application	2 - Commitment	3 - Construction	4 - Repayment	5 - Closed
Diesel (MMBtu)	-	-	-	3,322	-
Propane (MMBtu)	-	1,096	-	5,901	-
Oil (MMBtu)	-	461	-	351	-
Gas (MMBtu)	-	-	981	51,633	5,518
Electricity (MMBtu)	620	8,314	2,732	102,369	10,258

DESEU Program Activity Report [Jan 2021 – Feb 2021]



Energy Savings Data from New Completed Projects Current Calendar Year					
Program	Annual Energy Savings	Lifetime Energy Savings	Gross Annual Energy Savings (MMBTU)	Gross Lifetime Energy Savings (MMBTU)	Annual Greenhouse Gas Emissions Avoided Metrics Tons
Home Performance -Jobs	\$ 65,980	\$ 1,187,640	949	17,082	254.5
Home Performance – Audits – DIMs	\$ 12,897	\$232,146	456	8,208	122.29
Home Energy Counseling & Checkup	\$ 1,850	\$33,300	59	1,062	6.53
Revolving Loan	\$ 33,203	\$ 597,654	1,221	21,978	214.69
Farm Program	-	-	-	-	-
Residential Solar Loan	\$ 36,002	\$ 648,051	905	16,282	133.44
Lights-On	\$ 10,289	\$ 185,202	986	17,748	145.41

Potential Savings Found through Energy Audit Current Calendar Year					
Program	Annual Energy Savings	Lifetime Energy Savings	Gross Annual Energy Savings (MMBTU)	Gross Lifetime Energy Savings (MMBTU)	Annual Greenhouse Gas Emissions Avoided Metrics Tons
Energy Audits for Non-Profit	\$ 38,286	\$ 689,148	1,128	20,304	161.54
Pathway to Green Schools	-	-	-	-	-
Faith Efficiencies	\$ 5,358	\$ 96,444	236	4,246	25.8
Farm Program	\$ 11,441	\$ 205,938	848.6	15274.8	52.32
Affordable Multifamily Program	-	-	-	-	-

Note: Lifetime energy savings is calculated as 18 years of annual energy savings. Average retail rate for residential electricity in DE is \$0.1358. Residential Solar Loan and Lights-on Annual Energy Savings (\$) refers to the annual solar generation income, calculated with the residential electricity rate. Residential Solar Loan and Lights-on Gross Annual Energy Savings (MMBTU) is calculated based on the kWh of solar generation. Lights-on GHG Emission= Electricity(kWh)*(Electricity_CO2_Factor+Electricity_SO2_Factor+Electricity NOx Factor)