

Energize Delaware Program Updates

Empowerment Grant Program – Program is being redesigned to provide offerings and new technologies that utilize unique ways to deliver benefits to underserved and disadvantaged communities.

- *Strategic Initiatives: Energy Equity, Changing Behavior through Awareness, Potential Climate Solutions, and Advancing Technology*
- *Goals: Change program name, website, applications, guidelines, reports, logos, and fold into an Energize Delaware program.*

Activity this reporting period –

- Brainstorming a new program name and how we can fill gaps of other programs.
- Tour of hydroponic lab at Odyssey Charter School
- \$155,000 grant award to Cranston Heights Fire Company for a new generator and upgraded lighting.
- \$75,000 grant award to Mt. Lebanon United Methodist Church to upgrade their HVAC, add insulation, and more.



RGGI Challenge Programs:

Challenge Programs, identified as EV's for local governments, ESCO contracts, Solar for Libraries, and Solar for Schools, provide grants to government and non-profit entities for efficiency and solar deployment.

- *Strategic Initiatives: Emissions Reduction, Direct Efficiency, Economic Activity, Changing Behavior Through Awareness, Advancing Technology*
- *Goals: 1. Redesign EV grants specifically for police departments and first responders. 2. Utilize other program opportunities for ESPC Projects 3. Redesign solar for schools towards energy efficiency.*



Activity this reporting period:

- **EVs for Delaware Local Government Fleets:** \$3.6M out of \$4M committed for funding. \$1.025M in funding deployed. Photo Cheswold Police Department Mach-E GT Police Vehicle.
- **Solar for Public School Districts** – New Castle County Vo-Tech has applied for \$500,000.
- **Solar for Public Libraries** – 5 New Applications have been received. \$223K deployed for Georgetown Public Library

Pathways to Green Ribbon Schools Program provides energy assessments and mini grants for hands-on learning.

- *Strategic Initiative: Emissions Reduction, Direct Efficiency, Natural Climate Solutions, Changing Behavior through Awareness*
- *Goals: Reach more schools, standardize energy tracking, and provide a pathway to high school students for workforce development, education on trades, higher education opportunities and future labor needs while expanding to statewide engagement.*

Activity this reporting period: 2 New Schools Enrolled, 4 Returning Schools. New Contract with Practical Energy Solutions executed for School Energy Audits.

Farm Program holds tremendous potential and provides 40% incentives for Energy Efficiency upgrades for Farms throughout the state.

- *Strategic Initiative: Emissions Reductions, Direct Efficiency, Economic Activity, Natural Climate Solutions, Energy Equity, Changing Behavior Through Awareness, Advancing Technology*
- *Goals: Partner with local representatives to build a more robust, sustainable farm program in Delaware. This includes partnerships with USDA, the Delaware Department of Agriculture, Farm Bureau, and our state's universities.*

Activity this reporting period: DESEU and EnSave have mutually agreed to terminate the Farm Program contract. We are looking for local energy auditors and are in discussions with local organizations to transition the farm program.

Faith Efficiencies Program provides a unique opportunity to engage with faith communities to identify potential energy savings opportunities.

- *Strategic Initiatives: Emissions Reduction, Changing Behavior Through Awareness*
- *Goal: Faith Efficiencies transitions to community ambassadors providing education on current programs, working with our Energy Assessments program, and technical assistance in future grant and loan opportunities*

Activity this reporting period: Transition to an Energy Ambassador Role and communicating the upcoming EEIF Program for non-Profits to the faith communities. Photo- St. Peter's Episcopal Church in Smyrna, UD audit and coordination of grants through DE Interfaith Power & Light.



Energy Assessments Program has been tremendously successful and is a great workforce development tool where students can perform audits under the direction of their professor.

- *Strategic Initiatives: Emissions Reduction, Direct Efficiency, Changing Behavior through Awareness*
- *Goals: 1. It is the goal to increase program partners to further include Delaware Technical and Community College and Delaware State University. 2. Design a program so our colleges can prepare students for future workforce opportunities in clean and green energy.*



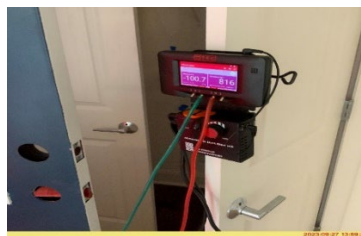
Activity this reporting period: 6 new audits have been conducted and final reports are being prepared. Photo - Claymore Senior Center in Wilmington, Delaware.

Affordable Multi-Family Housing Program provides rebates for all types of affordable multi-family energy efficiency projects, technical assistance, and financing for various stages of construction.

- *Strategic Initiative: Emissions Reduction, Direct Efficiency, Economic Activity, Energy Equity, Advancing Technology*
- *Goals: 1. Work with DSHA to encourage more energy efficiency through their programs while utilizing federal funding for multifamily projects. 2. Consider market rate application for multifamily energy efficiency projects.*

Activity this reporting Period: 3 Audit Reports submitted to clients; 2 Direct install contracts underway. \$77K in rebates were issued.

Photos - Frazier Place located in Smyrna – this complex will receive a substantial Rehab Project Upgrade.



Small Business Program –provides a light audit, direct installation measures, and prescriptive incentives for small businesses.

- *Strategic Initiatives: Emissions Reduction, Direct Efficiency, Economic Activity, Energy Equity, Changing behavior through awareness.*
- *Goals: Provide incentives and loans for small businesses to encourage energy efficiency measures. Program could roll into Small Business C-PACE working with partners on incentives, such as EEIF and have a larger impact as community ambassadors assisting with statewide resource opportunities.*



Activity this reporting period - 14 projects were completed in September and October totaling \$38,270. Photo - Déjà Vu Hair Salon on Kirkwood Highway in Wilmington. Rebate for mini-split heat pump system installed.



Home Performance with ENERGY STAR Program – provides incentives for residential customers, home energy assessments, and is a feeder program for energy efficiency residential loans.

- *Strategic Initiatives: Emissions Reduction, Direct Efficiency, Energy Equity and Changing Behavior through Awareness.*
- *Goals: Increase workforce training with contractors and auditors. Monitor federal incentives to not duplicate efforts. Look to incorporate new incentives such as appliances and EV charger installations.*

Activity this reporting period - Our Home Performance with ENERGY STAR® program is continuing to perform robustly with assessments and jobs continuing to increase each month. (See chart below for more details.)

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	202	341	254	298	2,465
FY22	127	269	204	150	383	187	276	128	370	104	328	138	2,664
FY23	270	459	333	146	312	356	257	383	346	427	352	367	4,008
FY24	427	315	387	299									1,428
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	106	138	178	105	134	81	1,457
FY22	149	147	132	160	167	166	126	210	148	180	144	131	1,860
FY23	132	163	72	152	163	197	222	438	227	191	171	258	2,386
FY24	226	117	218	152									713

Home Energy Counseling & Check-up HEC² – provides a light audit, direct install measures, and counseling to low-income customers. The counseling portion includes a robust referral process that informs the client of all Delaware programs that they could qualify for and the various organizations to assist them.

- *Strategic Initiatives: Emissions Reduction, Direct Efficiency, Energy Equity and Changing Behavior through Awareness.*
- *Goals: Build HEC2 into community ambassadors to grow partners and provide social marketing and program opportunities in disadvantaged and underserved communities.*

Activity this reporting period - HEC2 in home assessments and workshops are still moving steady and will be adding additional contractors to support the increase in volume. Photo - Trunk or Treat Event held in Laurel. (See chart below for more details.)



DESEU Program Activity Report – September 2023 – October 2023



HEC2 - In Home Assessments													
	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Totals
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	22	10	13	21	16	164
FY22	16	34	37	39	50	29	19	25	47	74	27	90	487
FY23	28	67	50	55	55	32	29	21	17	12	17	27	410
FY24	28	30	22	32									112
FY25													-

HEC2 - Workshop Participants													
	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Totals
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	12	146	34	15	273
FY22	15	36	9	29	6	5	1	3	33	18	12	21	188
FY23	35	67	50	55	35	21	33	8	36	34	0	20	394
FY24	6	1	14	25									46
FY25													-

Online Marketplace Program – provides instant rebates for home efficiency products. Data is uploaded into Energy Orbit. [Marketplace website performance Google Analytics Site.](#)

Shop for Energy Saving Products here: [Energize Delaware \(energizedelawaremarketplace.com\)](https://energizedelawaremarketplace.com)

- *Strategic Initiatives: Emissions Reduction*
- *Goals: To increase participation and incorporate product offerings for different sectors, such as small business.*

Activity this reporting period - 79 new orders and 271 products sold in September and October. Top sellers include Nest thermostats, 9W dimmable A19 bulbs, and 5W candelabra bulbs.

ZeMod – provides down payment assistance and solar incentives for zero energy homes for low-income clients.

- *Strategic Initiatives: Emissions Reductions, Direct Efficiency, Energy Equity*
- *Goals: Program to evolve into other considerations, such as passive houses, climate smart homes, and other high efficiency opportunities.*

Activity this reporting period - Linda Williams had her solar panels installed in October and has successfully moved into her new ZeMod home in Lincoln.

Pre-WAP Program – Program is designed to deliver Pre-WAP & WAP services to low-income Delawareans.

- *Strategic initiatives: Emissions Reduction, Direct Efficiency, Energy Equity and Changing Behavior through Awareness.*
- *Goals: Coordinate with partners to identify proper entry points to provide comprehensive assessments and services to clients. Improve training opportunities like the Home Performance Best Practices Working Group to help build dialogue and meet Goal one.*

Activity this reporting period - 27 Weatherization jobs were completed in September and October, 24 of which required Pre-WAP services before continuing in the WAP program.

Lights On-Delaware Strong – provided outdoor lights, customer education, and referrals.

- *Strategic Initiatives: Emissions Reduction, Direct Efficiency, Energy Equity and Changing Behavior through Awareness.*
- *Goals: Lights On will be rolled into HEC2, which provides a light audit, direct install measures such as outdoor dusk to dawn lights, and customer education and referrals.*

Activity this reporting period - The program formally ended September 30, 2023, at the end of the approved contract period of performance.

Energize Delaware Loan Programs:

Residential Energy Efficiency and Residential Solar Loan Programs provide low-interest fixed rate financing options for homeowners looking to minimize out-of-pocket costs for rebate eligible measures for participants of our Home Performance program.

- *Strategic Initiatives: Emissions Reduction, Direct Efficiency, Economic Activity, Advancing Technology*
- *Goals: 1. Increase participation in the energy efficiency program. 2. Increase maximum loan amount from 70 percent of the project cost to reduce barriers to adopting efficiency and solar.*

Residential Solar Loan Program –

Applications to date	730	Approved loans totaling	\$ 10,343,765
Rejected	31	Completed projects	\$ 9,217,804
Withdrawn	19	Construction projects	\$ 1,125,960
Projects under construction	71		

Activity this reporting period – 36 projects submitted totaling \$668,184.

Residential Energy Efficiency Loan Program –

Applications to date	262	Approved loans totaling	\$ 3,402,964
Rejected	76	Completed projects	\$ 3,278,336
Withdrawn	2	Construction projects	\$ 124,628
Projects under construction	10		

Activity this reporting period – 19 projects submitted totaling \$235,212.

Low-Interest Commercial Loan Program – The total amount of this loan portfolio is \$60,431,341. Ninety loans are in repayment status totaling \$40,565,335 and 7 projects are under construction totaling \$1,503,217. Slipstream is continuing their work with our team to move loan applications and review process to the online portal. With the transition to SlipStream, loan charts and graphs will be re-evaluated and included in the January reports.

Workforce Development Events – Audit certification renewal and upgrade requirements were reviewed with all participating contractor auditing companies working with Energize Delaware's Home Performance program. No certification renewals are due at this time, so the team is evaluating additional training needs for the current contractor base such as HVAC certifications, duct sealing and air sealing. The team is also evaluating ways to reach middle and high school students, colleges and universities, and trades schools to educate students on opportunities in energy efficiency and clean energy trades. Drew spoke with a group of high school engineering students earlier this week about solar, infrastructure, and clean energy jobs, and energy efficiency.

Research and EM&V Activities:

Energy Savings Performance Contracting Program Evaluation – The Program evaluation work started in late October. The work plan from Warren Energy was reviewed and approved. We are working closely with Kevin to design the surveys and identify candidates for the process evaluation.

Revamping the database – After reviewing the functionality, cost, and proposed timeline of the online database available, we have decided to build upon the current database while adopting quite a few new features and adds-on. This option costs the least, the project timeline is the shortest, and can be accomplished in CY2024.

Energize Delaware Geospatial Hub – We have created Energize Delaware's ERIS account, which allows us to host multiple geospatial hubs and create ArcGIS maps/dashboards. As of today, we have the Lights-On dashboards and maps live on the hub. Here is the [Link](#) to the live Geospatial Hub.

Green Capital Funding & Collaboration

- **Renew American Non-profit** – We have not been awarded the grant.
- **Green Liberty Note** – We are exploring the idea of Green Liberty Notes and talking with counterparts in other states that have success programs.

Pilot Program Update – We started training on energy savings and carbon reporting through the electric vehicle fleet grants.