

Energize Delaware Programs

Empowerment Grant – This program successfully launched in January 2020. Cassandra Rodriguez will join our team in March as the assistant grant manager, working with Jim Purcell on this program. The initial fund of \$4 million, which will be divided into large-scale grants and community-scale grants, has been well received by the Delaware community. The large-scale grant seeks to award \$1 million this spring. Workshops were held in February in all three counties attracting 35 participants. The deadline for grant submission for the large-scale grant is April 3rd. The Grant Review Committee plans to award grants in May. The community-scale grant opening is scheduled for April with workshops to follow. The community-scale grant has a rolling grant process, and we look forward to submissions that will provide awards up to \$1 million for community scale projects in July. Please visit our website: www.empowermentgrantde.org and “Like” us on Facebook at <https://www.facebook.com/EmpowerGrantDE/>



Photos above are from the Empowerment Grant Workshops

ZeMod – Our second ZeMod home will be moved to its permanent location in the Harmony Hill development located in Dover sometime in March. Theresa Mulegwa is the second client who will be moving into an Energize Delaware ZeMod home and tentative move in date will be sometime in April. There are seven other buyers in the pipeline and two of them are interested in the models already built –the one at Beracah and the one at Knoll Acres. USDA is reviewing loan applications and one will be through a conventional lender. Construction approvals for the proposed ZeMod development in Greenwood are expected in the summer of 2020. Milford Housing continues to do outreach and is delivering door hangers in mobile home parks. Utility PV interconnection has been slow for the Pleasanton model and the Knoll acres model—we are working to get this resolved and finalized. Energy Savings data is being collected and analyzed by VEIC and will be loaded into the Energy Orbit Energy Savings Database once interconnection issues are resolved.



Photos above are all from Harmony Hill Development - ZeMod

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Lights On – Delaware Strong – This program is moving forward with Laurel (134 installs) and Wilmington (155 installs) during this reporting period for energy efficient LED front porch lights for a total of 434 homes in Laurel and 449 in Wilmington. This program has now served over 2,000 across the State. HELP Initiative staff is meeting with representatives from Middletown and Georgetown to expand this program further throughout the State and are targeting the Downtown Development Districts. This collective street by street community campaign educates and empowers residents to increase public awareness of criminal activity and demonstrates a unified community approach toward public safety. Each resident that participates in this campaign pledges in writing to keep their front porch light switch on, encourage their neighbors to participate in the Lights-On campaign and agrees to report any suspicious activity to Emergency 911 service. Some residents will also receive Solar Powered LED Motion Flood lights for their back yards and some vacant properties are also being equipped with the motion sensor lights. Law enforcement agencies are seeing a positive impact as a result of this program and some of our elected officials have come out during installation events.



The photos on the left show Senator Lockman out there working with our Lights On Program in Wilmington

Affordable Multifamily Housing Program – New Ecology (NEI) continues working with clients on various phases of building upgrade designs, review of RFPs, proposals, and construction phases for clients with completed audits. Projects at Quaker Arts and Riverside will move forward during the next several months and have been approved for the funding from the pilot construction loan program with Energize Delaware and DSHA to include energy efficiency features and LIHTC -- upgrades include Mini-split heat pump units, tankless water heating, ENERGY STAR appliances, windows and increased insulation at both properties. A pre-bid site visit with contractors was conducted in January for lighting upgrades inside and outside of the units as well as HVAC unit upgrades. Lighting Upgrades at Acorn Acres are currently being installed.



Photos above are from Elizabeth Cornish Landing: Contractor Pre-bid site and HVAC Image

EEIF for Non-Profits – The Energy Efficiency Investment Fund for Non-Profits pace has slowed considerably. To date, 54 incentive payments have been paid to non-profit organizations totaling \$488,493. Data is being entered in the Energy Orbit Statewide Energy Savings Database for this program. DNREC is not utilizing Energy Orbit for EEIF projects funded by DNREC.

FY 20 SEU Budget for EEIF for Non-Profits	\$200,000
Total Paid in FY 20	\$129,291
Total Pre-Approved and under construction (5 projects)	\$ 16,278
Available Funds for FY 20	\$ 54,431

Energy Assessments for Non-Profits

Fifteen energy assessments have been completed so far in FY 20 for non-profit organizations. Assessment reports were completed for Kalmar Nykel Shipyard, Town of Laurel, Latin America Community Center, Central Delaware Habitat for Humanity and City Buildings of Delaware City. Follow up meetings to discuss EEIF incentives and low-interest loans are being scheduled as necessary. UD IAC is currently working with the Delaware City Fire Co., Red Clay Creek Presbyterian Church, Kirkwood Library and Rockwood Park Visitor Center. LED T8 tubes donated by Phillips Lighting are also being



Central DE Habitat for Humanity - ReStore



Central Delaware Habitat for Humanity

installed by UD students during the assessments.

Energize Delaware Farm Program – EnSave, our program implementer, is currently working with program applicants for incentives funded through this program. 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. EnSave submitted the RCPP renewal application on behalf of Energize Delaware to NRCS in December. Solar thermal incentives are no longer being offered through this program.

Audits complete to date	53
Technical Assistance Reports Completed to date	19
Incentives Paid this fiscal year (July-October)	\$401,676
Number of Farms receiving incentives	51
Approved Incentives for projects in process	\$65,896

Faith Efficiencies – Two energy assessments were completed for Catalyst Community Church (Bethany Baptist Church) and the Islamic Society of Delaware. Lisa Locke is meeting with other interested faith communities and coordinating the assessments with the UD IAC team. Earth Care/Energy & Climate Displays for houses of worship continue to be provided for faith communities under both programs and local library earth care displays are rotated throughout the State, which has been well received and very successful. Lisa Locke is collaborating with the HEC² Program to offer workshops to congregations in communities that have more vulnerable populations. Home Performance Workshops are also being scheduled for the spring for faith communities that have received energy assessments

Windows of Hope - An initiative through Faith Efficiencies –is working with Temple United Helping Hands a 501c3 organization–Group remains active and identifies recipients through Meals on Wheels and faith communities.

Climate Conversations - This initiative will further market Energize Delaware Programs and increase awareness of Climate Change. This offering facilitates Climate Conversations---a gathering to create environments where people feel encouraged and safe to discuss issues related to climate change and share their ideas for creating a healthier planet. Three climate conversations were held during this period-Community Resources Center volunteer meeting on Feb. 6 with 20 participants; South Coastal Library on Feb. 27 with 65 participants; and Statewide Youth Summit workshop on February 28 with 20 participants in a breakout workshop. Upcoming Workshops: Mar. 4 – Epworth UMC, Rehoboth 6:30 to 8 pm; and Mar. 20 Delaware State University with Rep. Lisa Blunt Rochester 10-11 am (tentative), April 6 – Del Tech Newark/Stanton 10 to 11:30 am. There are more scheduled into May and June; for additional information contact Lisa Locke at llocke@delawareipl.org

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CRC- Volunteer Meeting



Youth Environmental Summit

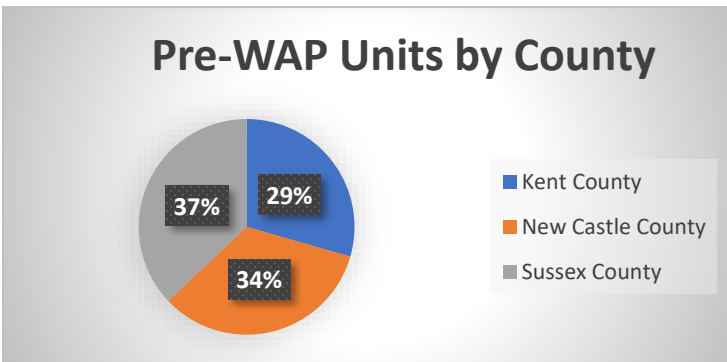


South Coastal Library

Pathways to Green Schools Program – Four schools received audits during this program year, and the debrief meetings are scheduled for March/April. Mini grants were awarded to 10 schools in February. Projects included water bottle filling stations, educational resources regarding solar, carbon sequestration & climate change, as well as a small solar lighting project. Data from the energy audits and follow-up implementation reports is being uploaded into the Energy Orbit Statewide Energy Savings Database. Building operator training that was scheduled for March 13 at Delaware Technical & Community College, Terry Campus was cancelled due to school closings and health precautions.

Pre-Weatherization Program - Program is slowing down since Catholic Charities is no longer performing energy assessments in Kent & Sussex Counties. DNREC will be issuing an RFP for a new subcontractor to deliver WAP services in Kent and Sussex Counties this spring. The pace for New Castle County sending deferred applications from

Units completed to date Pre-WAP	370
Units completed & through WAP	340
Units completed 2020 calendar year	14
Average cost of repairs per unit	\$4,000
Total Units in New Castle County	124
Total Units in Kent County	109
Total Units in Sussex County	137



ECA (Energy Coordinating Agency of Philadelphia) increased slightly over the past two months. We are evaluating and reviewing deferred applications in Kent and Sussex counties to determine if there are any missed opportunities to keep this program operational during this transition period. We continue to collaborate with DNREC, State WAP Manager, and the subcontracting agencies to improve the deferral process and review measures the program will fund in an effort to keep this program assisting

the population most in need. We are also collecting testimonials and success stories from clients.

Home Energy Counseling & Check-up HEC² – Program activity has increased over the past few months and continues to work with partner organizations to host workshops and “Pop up” Energy Centers for counseling and advocacy services. Milford Food Bank will offer Pop Up Energy Centers on the 1st Tuesday of each month from 10 am to noon. Increased awareness and participation continue as a result of the door to door canvassing by HELP Initiative through the Lights-On Delaware Strong Program. Program is promoted through community events to increase awareness & participation.

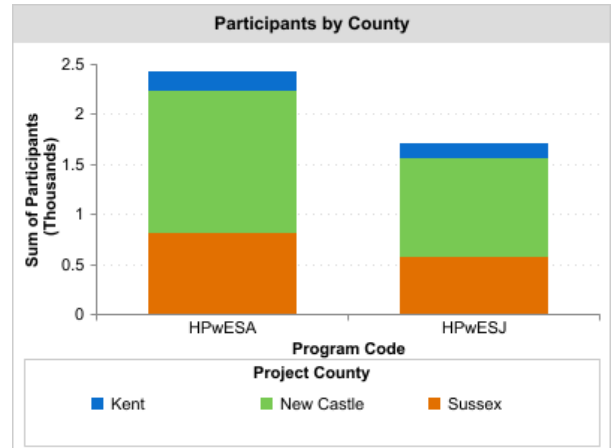
HEC ² - In Home Assessments													Totals
	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	
FY19											6	10	16
FY20	14	62	13	34	26	12	46	72					279
FY21													-
FY22													-
FY23													-
FY24													-
FY25													-

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HEC2 - Workshop Participants													Totals
	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	
FY19											12	19	31
FY20	0	0	0	30	3	2	1	2					38
FY21													-
FY22													-
FY23													-
FY24													-
FY25													-

Home Performance with ENERGY STAR Program –This Program is running at a steady pace and participation has increased over the past few months. The Best Practices Working Group (BPWG) continues to meet and work with the Energize Delaware and Franklin team- next meeting scheduled for April 22 and elections for representatives on the BPWG will be held in May/June. We continue to monitor the program and will make adjustments as needed. QA/AC inspections are providing opportunities to mentor contractors on program best practices, and we are prioritizing the mentoring of new contractors joining the program. The ENERGY STAR Award winners will be announced publicly on March 31. Figure to the right shows participation by county program to date.



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					873

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					715

Energize Delaware Loan Programs:

Residential Solar Loan Program – To date, 198 loan applications have been submitted; 11 applications were rejected due to credit score or debt to income ratio and four were withdrawn. This program has approved loans totaling \$2,940,878; loans totaling \$2,783,419 have completed their projects and moved into repayment status and 9 projects totaling \$157,459 are under construction. Most loan payments are being submitted on time, and 18 loans have been repaid. Data has been added to the Energy Orbit Statewide Energy Savings Database.

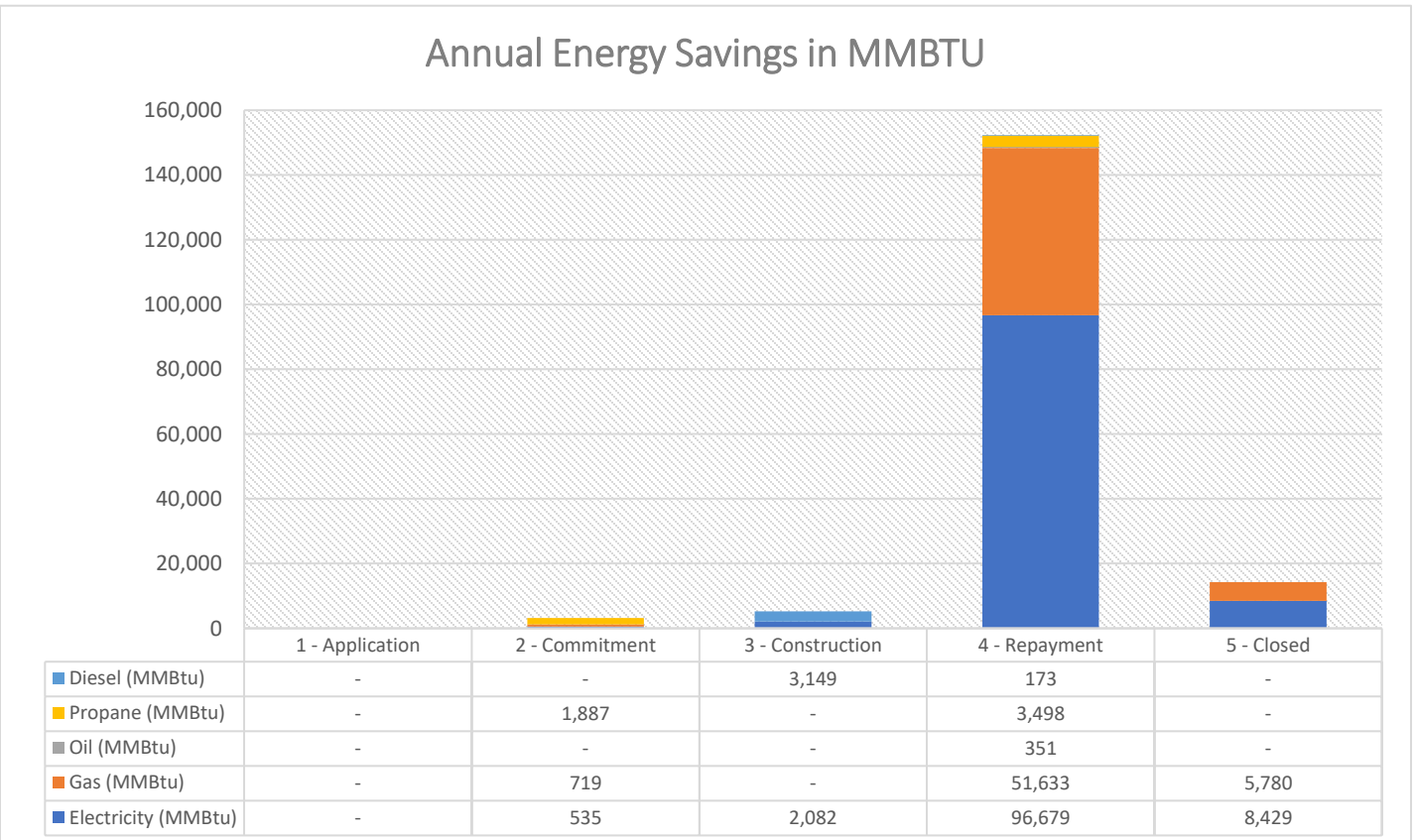
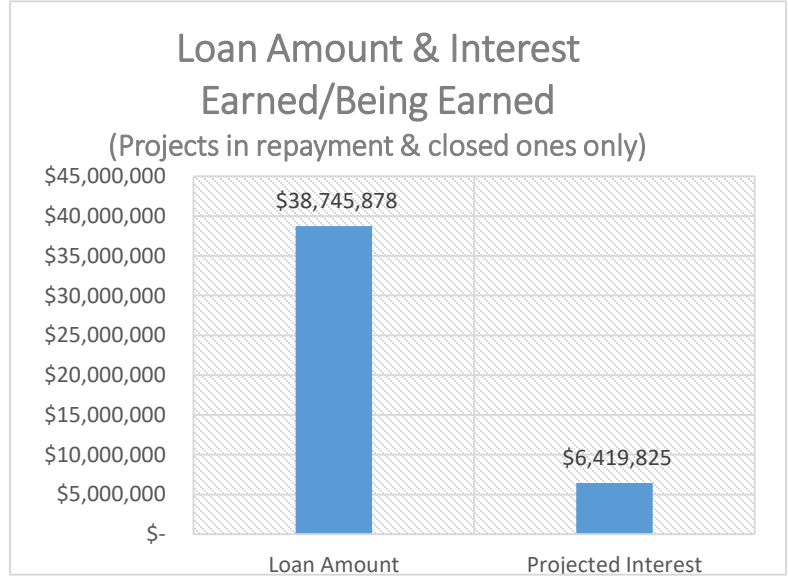
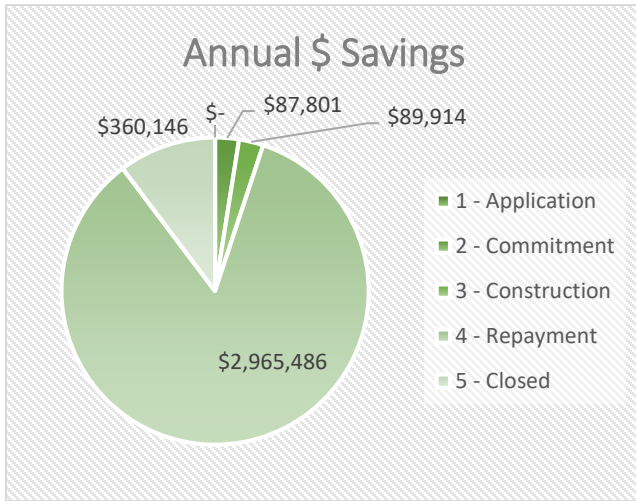
Residential Energy Efficiency Loan Program – To date, 85 loan applications have been submitted totaling \$831,385; 61 have been completed and paid to contractors totaling \$724,283 and 7 are under construction totaling \$107,101. Sixteen were rejected due to high debt to income ratio and one was withdrawn. One loan payment is outstanding for February. Three loans have been repaid in full. Activity on the energy efficiency loan program increased quite a bit during February.

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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 amount of loan commitments and closed loans is \$38,960,671. We have 62 loans in repayment status totaling \$32,679,975 and four projects are under construction totaling \$1,760,469. Data below is from our Loan Tracking Spreadsheet and reflects data from the Commercial Loan Program.



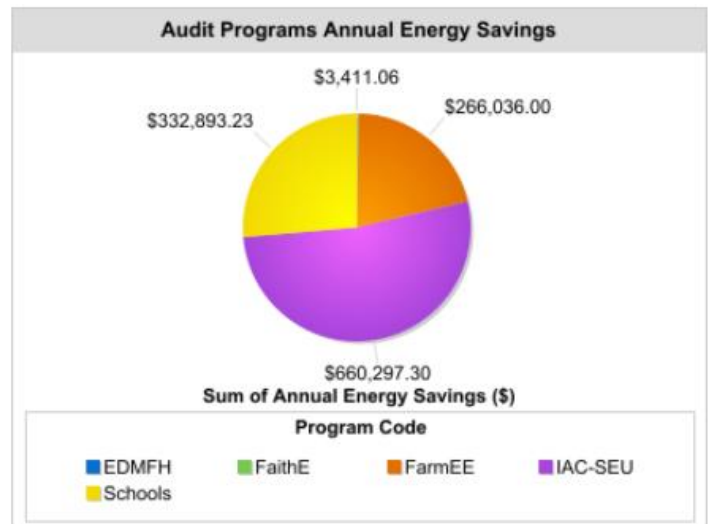
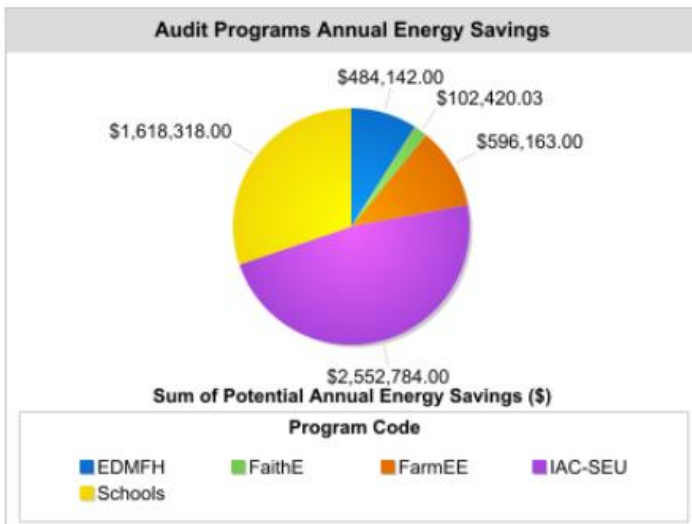
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Energy Savings Database Reports - The charts below are from the Energy Orbit Statewide Energy Savings Database. The data in the charts is for program activity to date. These pie charts show potential energy savings identified for the Energize Delaware Affordable Multifamily Program, Faith Efficiencies Program, Energize Delaware Farm Program, Pathways to Green Schools Program and the Energy Assessment Program for Non-Profits. The implemented charts show data where clients were surveyed post audit to collect implemented energy savings. We continue to do data quality testing and learn how to extract data for reporting needs. Athena Bi will be taking this effort on as one of her responsibilities. Program implementers are reminded to update data on a monthly basis---during 2020 we will be monitoring this activity and pressing program implementers and contractors to enter data monthly.

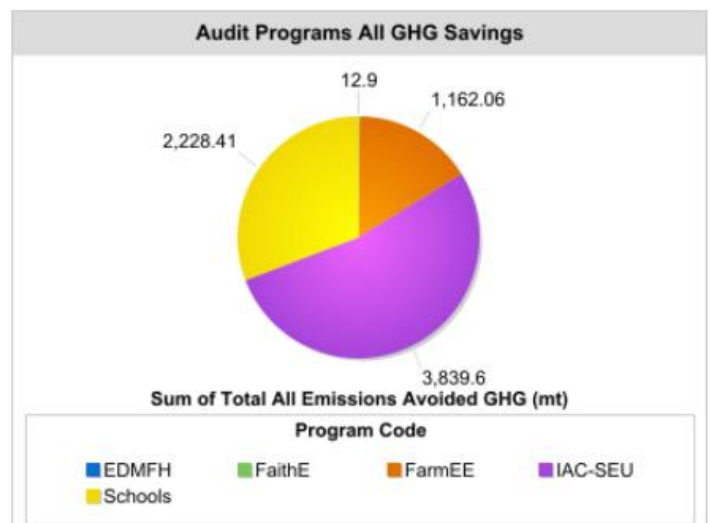
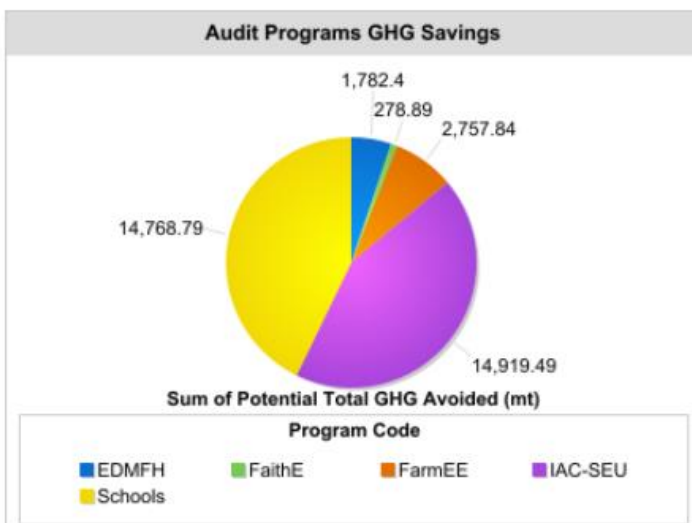
Potential

Implemented



Audit Programs - Savings Identified: **\$5.4M**

Audit Programs - Savings Implemented: **\$1.3M**



Audit Programs - Potential GHG Avoided:: **35K**

Audit Programs - Implemented GHG Avoided:: **7K**