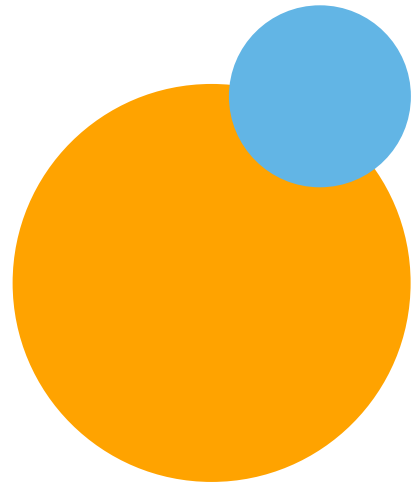




Energy as a Tool for Impact

Clean, Efficient, Accessible and Sustainable
Empowering Underserved Communities



Mission




Delaware Sustainable Energy Utility DBA **Energize Delaware** is a 501(c)(3) nonprofit corporation offering renewable and energy-efficiency programs that help Delawareans reduce their carbon footprint.

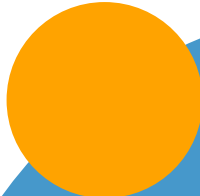
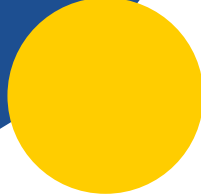


The new Empowerment Grant, powered by the Energy Equity Fund, mission is to help identify and support collaborative ways to bring clean, cost-saving energy to underserved communities ; train a new, diverse workforce for clean energy jobs; open access to clean energy; and link energy efficiency to healthy and safe homes.



Why is Equity in Energy Efficiency Important?



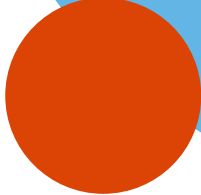
Efficiency programs can improve health and comfort, and create jobs for those disadvantaged communities.



Low-income families, renters, and people of color often pay more in energy costs than other households.



Climate change will disproportionately affect some communities and energy efficiency can help alleviate these disparities.



Cross Sector Benefits

Multiple benefits of energy efficiency and renewable energy for low-income households

- **Lower monthly bills (residents)** - more disposable income, reduced stress, more money spent in local economy
- **Improved housing (residents)** - better health and safety, increased property value and housing satisfaction, lower maintenance costs
- **Local economic development (community)** - more local jobs, improved quality of life, increased property values
- **Less power used (utilities and community)** - reduced environmental pollutants, improved public health, avoided excess costs of increased generation, capacity, and transmission investments



The Empowerment Grant Program

The initial Empowerment grant funds were made possible by the merger between Exelon Power and Delmarva Power, and authorized by the Delaware Public Service Commission. \$4 million was entrusted to Energize Delaware to facilitate a grant program for low-income Delmarva Power customers.



Delaware Public Service Commission



Maximize Impact

Clean, efficient, affordable, sustainable energy as a tool for impact

Through aligned strategies and investments, we can positively impact the socioeconomic position of thousands of Delawareans and promote climate resilience. **The Empowerment Grant powered by the Energy Equity Fund** creates partnerships, collaboration, and dialogue to:



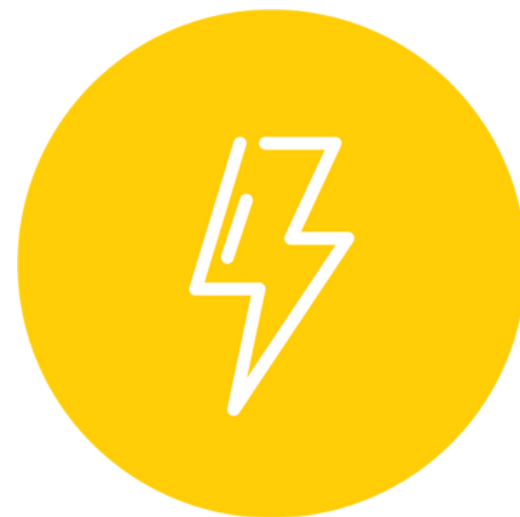
Ease the Energy Burden

Provide energy savings for low-to-moderate income families



Create Healthy and Safe Homes

Align energy efficiency with healthy and safe homes in underserved communities



Help Businesses and Organizations

Improve energy efficiency for small businesses, community-based organizations and local non-profits in communities of need



Access Clean Renewable Energy

Create access to clean renewable energy for underserved Delawareans in low-to-moderate income communities



Create Clean Energy Jobs

Create, expand, and sustain clean and renewable jobs in underserved communities

Aligned, Empowered, Informed, and Connected

WE ARE EMPOWERING ENERGY EQUITY



Community
Engagement and
Collaboration

Resource
Development and
Grantmaking

Education,
Training and
Outreach

Best Practices,
Research and
Evaluation

- Aligned with Federal social and economic recovery efforts
- Aligned with Delaware's Climate Action Plan
- Proven record of fund management, service delivery, accountability
- Strong and proven public and private sector engagement at strategic and tactical levels
- Capacity to collect, analyze and disseminate impact and results of investment
- Ability to leverage public and private sector funds to sustain mission and services beyond 2024.

Delaware Climate Action Plan

"Households with high energy burdens are more likely to remain in cycles of poverty and often face compounding causes of inequity and injustice"

ACEEE "How High are Household Energy Burdens"



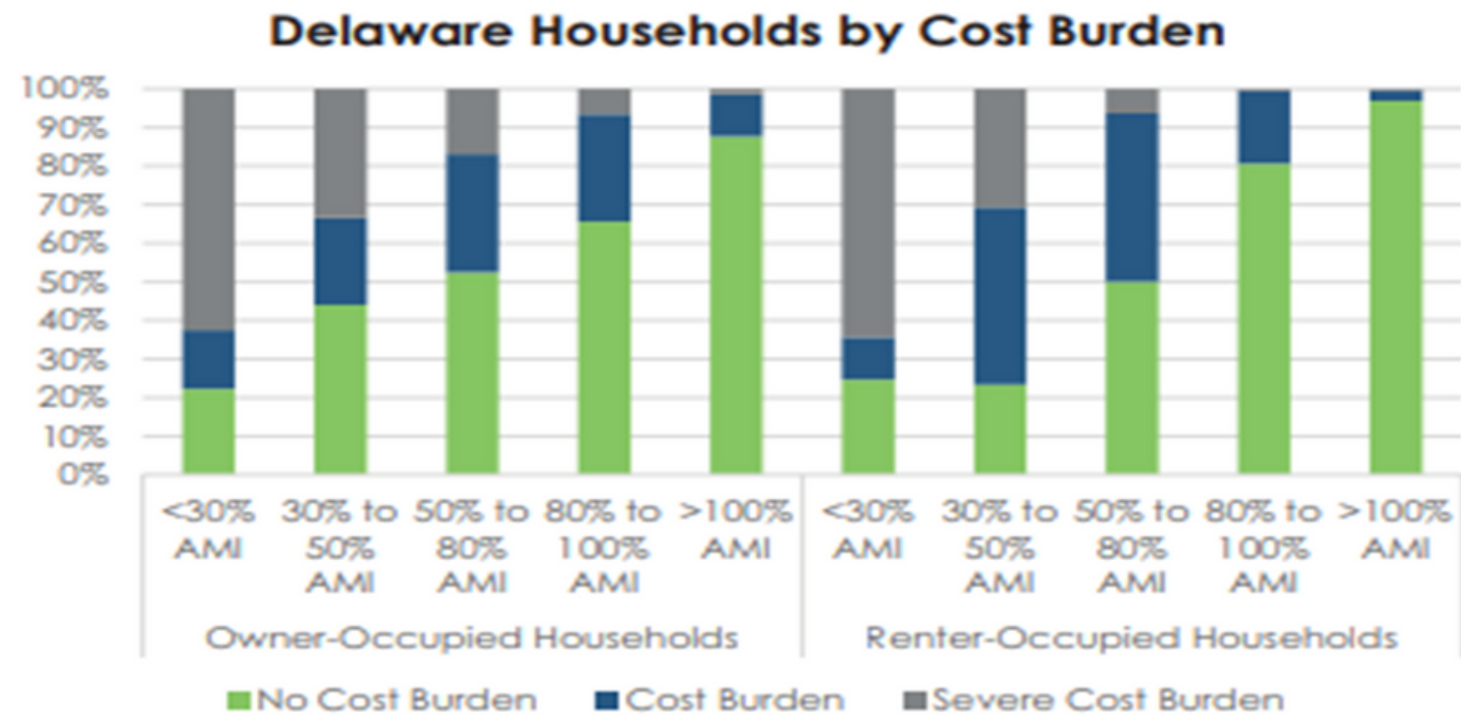
Many existing government programs and policies and non-profit missions seek to reduce poverty, provide affordable housing, essential resources, education, health and jobs for underserved communities. But increasingly there is a role for promoting, energy efficiency and clean energy as tool for impact.



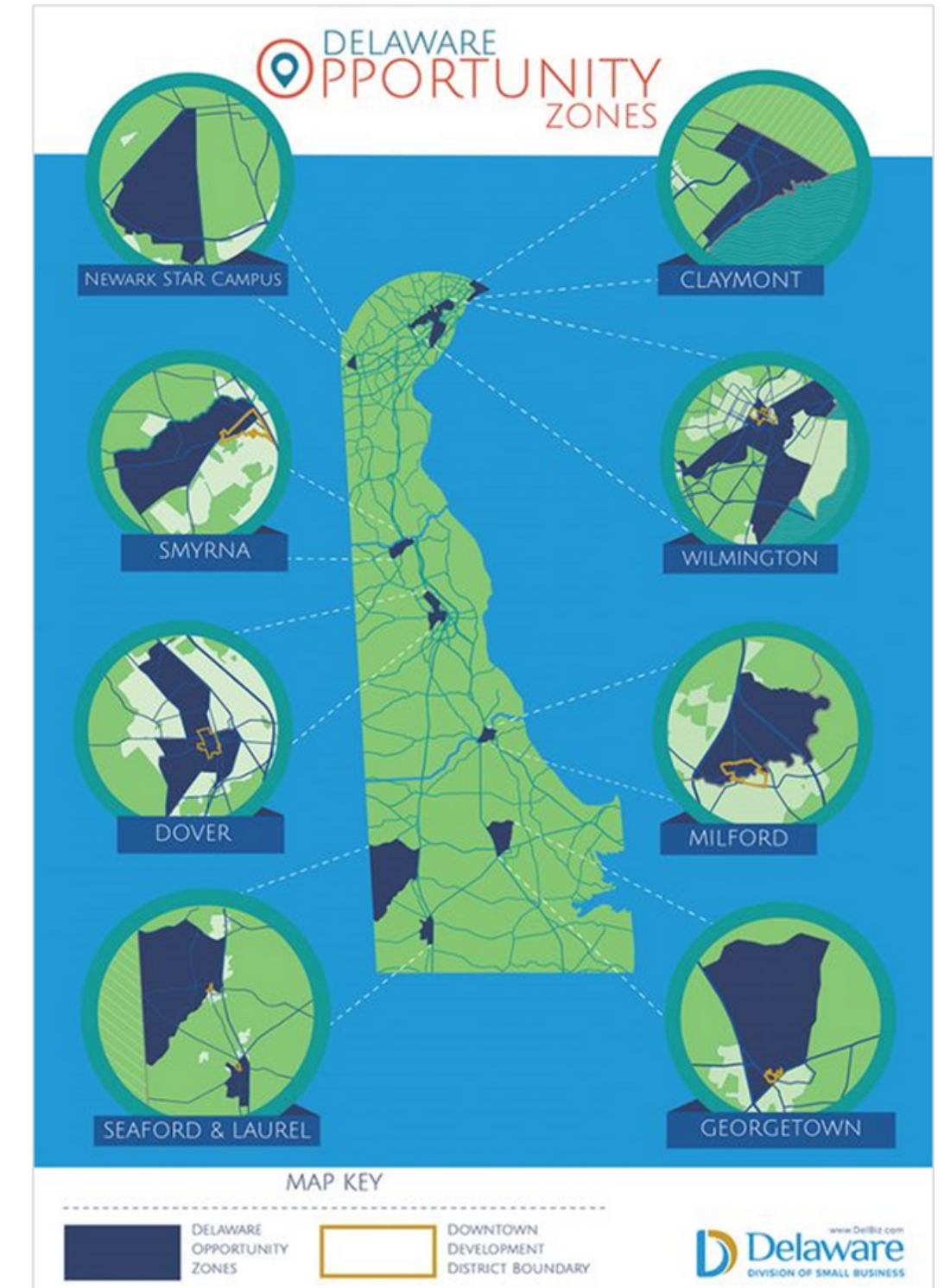
Target of the NEW Empowerment Grant

WE ARE TARGETED AND FOCUSED

- Low-Moderate Income Communities
- Minorities
- Urban
- Rural
- Small Business (Downtown)
- Non-Profit Community
- Municipalities
- Faith Community

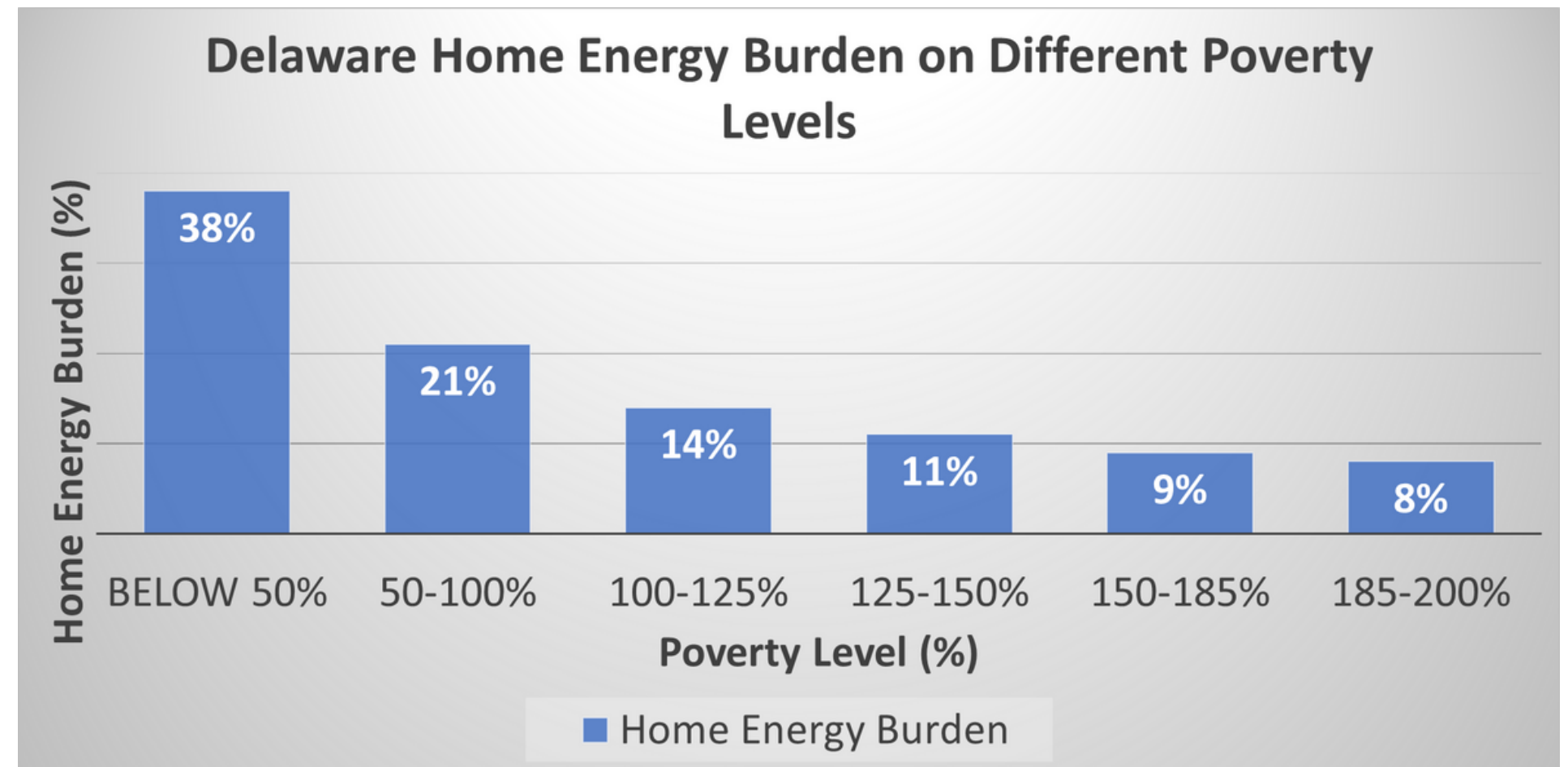


Source: HUD Comprehensive Housing Affordability Strategy, 2006-2010



Energy Burden in Delaware

Energy costs can be crippling for low-income Delaware households. Delaware households with incomes below 50% of Federal Poverty pay 38% of their income for energy bills. For those who are 50% -100% of Federal Poverty its 21% of their income.



Causes of Energy Burden in Delaware

There are five causes and correlates of high energy burden:

1. Location, geography and climate
2. Housing characteristics (e.g. condition, age, materials used in construction, quality of construction)
3. Socio-economic status situation
4. Energy prices, regulations and policies
5. Behavioral and education factors



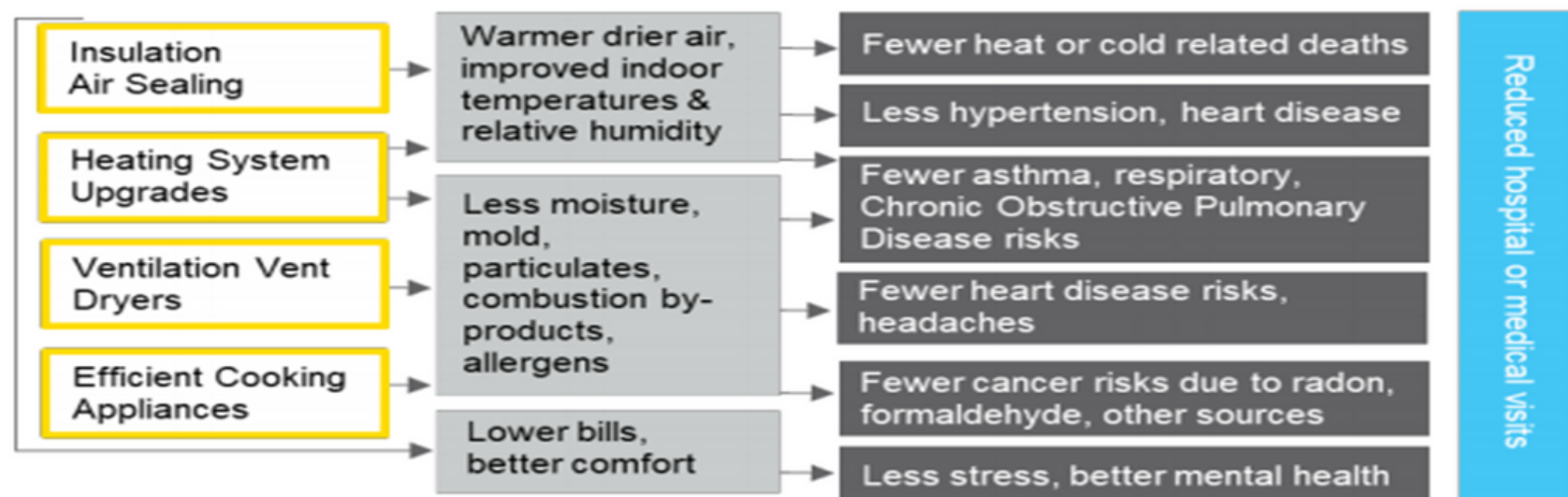
Eliminating housing inequity is possible. Moreover, guaranteeing humane housing for all is likely the best and most effective public health measure we've got - for Covid response, mitigation, and recovery - and beyond.

Before the pandemic, one in three U.S. households found it difficult to pay for utilities. That figure has jumped dramatically to 79.5 million Americans who said they are having trouble paying their household expenses.

Energy Efficiency, Health, and Housing

ENERGY EFFICIENCY AND REPAIRS CREATE HEALTHIER HOMES AND CAN REDUCE MEDICAL COSTS

Inadequate housing contributes to health problems such as chronic diseases and injuries and can have harmful impacts on childhood development, seniors, and adults. Poor indoor air quality, lead paint, and other hazards often coexist in homes, placing children and families at great risk for multiple health problems.



Energy, Housing, and Health Forum

Monday
May 24th
3:00 PM - 5:00 PM

Moderators


Lt. Governor
Bethany Hall-Long,
PhD, RN, FAAN
Chair of BHC


Councilwoman
Rysheema
Dixon

Special Guests


Jim Purcell
Grant Manager,
Empowerment Grant


Sarah Spangler Rhine
Policy Director
Housing Alliance
Delaware


Brian M. Rahmer, PhD, MS
Community Investor
Healthy Communities
Delaware






Please Email:
Ltgov.questions@delaware.gov
To RSVP & Submit Questions

Creating Access to Renewable Energy

AFFORDABILITY AND ACCESS TO CLEAN RENEWABLE ENERGY

- Foster entrepreneurial efforts for the efficient and sustainable production and delivery of energy, especially in the small-business community, for vulnerable communities and underserved communities
- Create diversity and equity in the energy sector supply chain and pass on the savings and value to underserved communities
- Educate and advocate for underserved communities
- Pursue climate resiliency generating measurable social and environmental impact as well as a financial return for everyone



Client Testimonial

A HEC2 appointment bridges the gap between the client and those resources they may not even know existed



Anna Logan of Lewes received:

- Home energy check-up and energy installs
Home Energy Counseling & Check-up Program - Energize Delaware
- New refrigerator
Refrigerator Replacement Program - Sussex County HFH/ Empowerment Grant
- Shower renovations
Home Repair Program - Sussex County HFH
- New heating system
Heat-On - HELP Initiative
- New home skirting
Insulated Skirting Program - Sussex County HFH/ Empowerment Grant

Build a Green Workforce



DEVELOPING A GROWING SUSTAINABLE WORKFORCE

- Local workforce development is a critical component of the Empowerment Grants Program. Currently, there is a shortage of cross-trained and certified workers to evaluate and carry out home retrofitting.
- Grants we provide and help to motivate will replicate the award-winning curriculums of the of training programs to teach basic clean energy retrofitting and weatherization skills to local unemployed and underemployed youth, veterans and older workers.
- Apprenticeships in various trades—carpentry, plumbing, electrical, welding, remediation, paint and drywall, foundation work and roof repairs—will also be financed by these grants and made available to members of communities being served.

Best Practices and Innovative Ideas

- Using smart technology to control energy costs (Energy Saver Product availability, Smart Thermostats (i.e. home control systems))
- Grants and low-interest financing for energy saver appliances
- Insulate heating and cooling ducts and clean them regularly and make them more efficient. In a typical house, you can save 25%-40% on the energy your HVAC systems use by cleaning your air ducts regularly
- Well-designed education, outreach and behavioral programs
- Incentive based programs
- Free energy efficiency products
- Self-help workshops
- Coordinate outreach with trusted messengers and organizations (e.g. churches, community centers and local non-profits)



Best Practices and Ideas

This one will take some time to yield results, but thoughtfully positioned trees can lower your home's energy needs by up to 25% a year. (Not to mention their carbon-sinking super powers.)





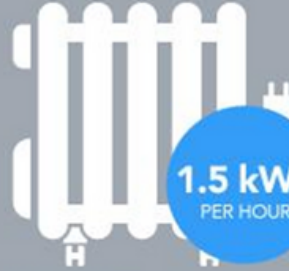

For example, planting deciduous shade trees on the south and west sides of your home can shade your windows and walls from the hot summer sun and lower the air temperature around your home, easing the load on your air conditioner. And once their leaves fall, warming winter sunlight can still get through—but dense evergreen trees or shrubs planted on the north side of your lot can block biting winter winds and reduce heating costs.



POWER HUNGRY

1 kWh
Electricity production and consumption is often measured in units of kilowatt hours (kWh). When a machine consumes 1 kWh, it has been running at a rate of 1000 watts for a period of 1 hour. It means the amount of electricity consumed is directly related to the wattage of appliances.

The Most Power Consuming Appliances

 2 kWh PER DAY	 2.5 - 4 kWh PER LOAD	 2.3 kWh PER LOAD
Refrigerator (Energy Star Side by Side) 25 cu. ft. ***	Clothes Dryer (light load vs. heavy load) *	Washer (warm wash, cold rinse) *
 3.0 kWh PER HOUR	 1.5 kWh PER HOUR	 400 kWh PER YEAR
Air Conditioner (Central) 3 ton - 12 SEER) *	Space Heater (Portable heater 1500 W) *	Dehumidifier **

Prepared by HomeWarrantyReviews.com

Source
* Silicon Valley Power
siliconvalleypower.com/index.aspx?page=1922

** Home Energy Saver & Score: Engineering Documentation
hes-documentation.lbl.gov/calculation-methodology/calculation-of-energy-consumption/major-appliances/miscellaneous-equipment-energy-consumption/default-energy-consumption-of-mels

*** Daily average estimate based on siliconvalleypower.com/index.aspx?page=192

Grant Opportunities



Empower Ecosystem Grant (Spring and Fall)

\$250,000 - \$1,000,000

Cross- sector collaboration with emphasis on all focus areas of the new Empowerment Grant and/or a more statewide approach.

Empower Neighborhood Grant (Spring and Fall)

\$75,000-\$250,000

Innovative, grass roots, and community based approach designed to empower local energy efficient and resilient programs and services in neighborhoods, small municipalities, and local community-focused service organizations.

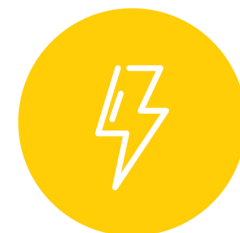
Empower Efficiency Grant (Ongoing Application)

Up to \$75,000

Designed to support one-time projects that encourage awareness of emerging technologies and innovative approaches to energy efficiency, renewable energy, clean transportation, climate resiliency, environmental justice, and community sustainability.

Roofs from the Heart and Resilient Homes (Quarterly)

A nomination driven opportunity for communities to nominate an individual or family with a new roof and energy efficiency upgrades up to \$20,000.



Application Outline

FOCUS AREAS:

- Easing the Energy Burden
- Creating Healthy and Safe Homes
- Providing Access to Clean and Renewable Energy
- Creating and Sustaining Clean Energy Jobs
- Supporting Green and Sustainable Small Businesses and Community- Based Organizations
- Promoting Climate Resiliency

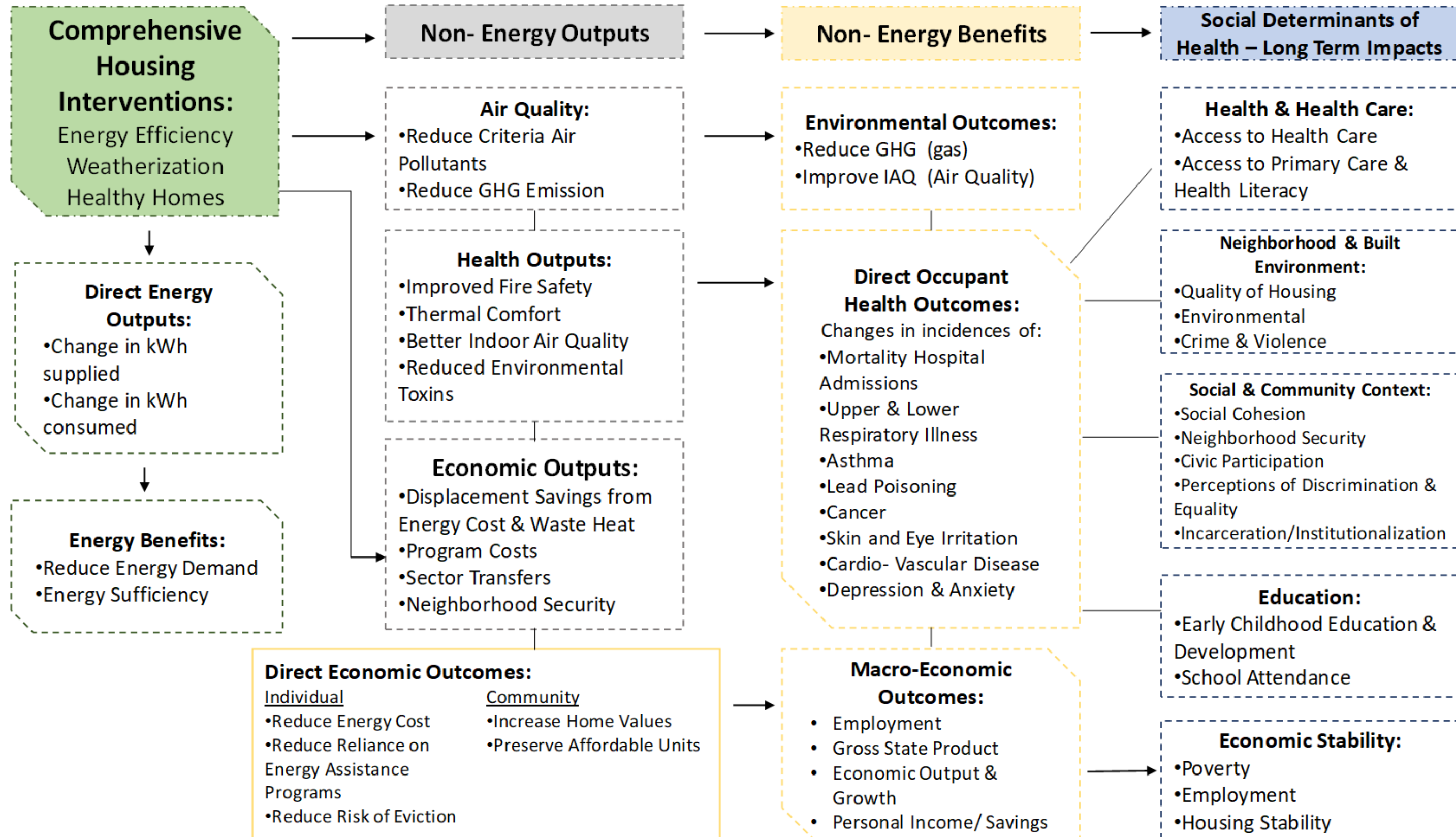


APPLICATION OUTLINE:

1. Organizational Summary, Background, and Capacity
2. Grant Proposal Executive Summary
3. Statement of Need
4. Areas of Focus and Work Plan
5. Partnerships and Community Engagement
6. Anticipated Results and Learning
7. Program Sustainability
8. Budget
9. Appendices

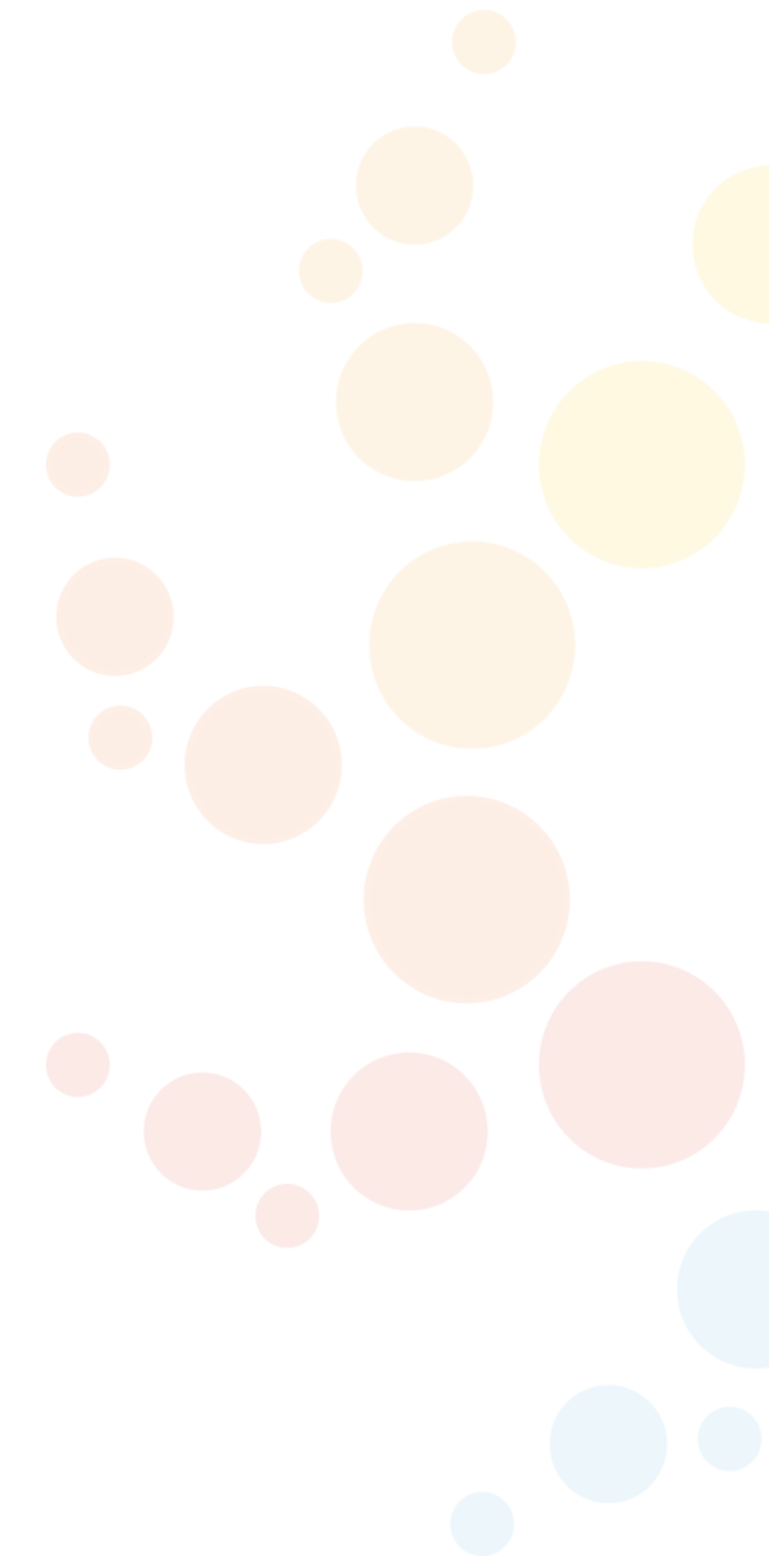


Theory of Change



Anticipated Results and Learning

Indicator	Metrics
Energy Efficiency Savings	<ul style="list-style-type: none"> Energy (Kwh, MWh, MCF, MMBtu) and cost savings for customers in aggregated or by LMI Served)
Low and Moderate Income (LMI) Parity or Disparity	<ul style="list-style-type: none"> Savings across LMI and market rate programs (% of total savings) Market penetration rate by income band (%SMI,%AMI, %FPL) statewide and in each census
Participation	<ul style="list-style-type: none"> Number of households served (#) or percent of eligible households served (%) Percent of participants at various income levels (%SMI,%AMI, %FPL) Demographic breakdown, geographic breakdown (rural and urban)
Housing Type	<ul style="list-style-type: none"> Participation by housing type (% or #s by single family, mobile and multi-family housing sizes and types e.g., restricted, naturally affordable and market rate multi-family)
Program Resources	<ul style="list-style-type: none"> Total funding leveraged for energy efficiency, health and safety, renewable energy and green jobs (Cost by source and purpose) Amount of investment financed - housing tax credits, on-bill programs, grants, etc. Value added to the project.
Energy Burden	<ul style="list-style-type: none"> Amount the energy burden decreased (% reduction in % of income paid for energy bills) for participating LMI households
Health & Safety	<ul style="list-style-type: none"> Number of homes not served due to health and safety issue and % that receive referrals and ultimately return for service (% homes and % frequency health and safety issues cited) Health and safety issues abated referred (# homes with % frequency issues abated) # visits to PCP or emergency room for environmental driven illness
Workforce Development	<ul style="list-style-type: none"> Number of jobs created (# by job type) Participation of LMI residents in energy efficiency and renewable energy workforce (# of local workers trained, # placed in energy efficiency and renewable jobs) % increase in pay, % sustainable long term placement



Contact

Thanks for helping to empower Delaware residents to conserve and save on energy costs



Jim Purcell
Director of Development and Programs
Jim.Purcell@EmpowerGrantDE.org



Kassandra Rodriguez
Grant Administrator
Kassandra.Rodriguez@EmpowerGrantDE.org



(302) 724-7033
500 West Loockerman St.
Suite 410
Dover, DE 19904



@EmpowerGrantDE
EmpowerGrantDE.org
EnergyEquityFund.org