



Energy Saving Measures eligible under DHEEP

District Heights Energy Efficiency Program Eligibility Process	
Eligibility Level	Program
1	DHEEP Basic Audit
2	DHEEP with Energy STAR © & Water Wise
2a	DHEEP Energy STAR© & Water Wise Products
2b	DHEEP Heating & Cooling
3*	DHEEP <i>Model Solar Home</i>
* 1 Home will selected by a random raffle for a solar system	

Eligibility Services for DHEEP

1. **Residential Basic Energy Audit and Direct Installation.** This eligibility level targets the residential sector and works with the same set of contractors as **Home Performance with ENERGY STAR®** (or equivalent); the key difference is a more basic audit and a less-extensive and lower-cost set of measures, such as CFLs, hot water heater wraps, pipe insulation, low flow showerheads and aerators. Savings goals are approximately 3 to 6 MBtu per participant. Once qualified, all applicants receive this service.
2. **DHEEP with ENERGY STAR® (DHEEP wES) & Water Wise.** This residential sector eligibility level offers whole home retrofits using qualified participating program contractors and local retailer contractors, established Home audit protocols, and assistance from DHEEP to purchase Energy Star® and Water wise products and equipment. This program is used as a strategy to target older pre-code constructed homes. The goals for this program are estimated to reduce home energy bills by 20 percent on average.
 - a. **ENERGY STAR® and Water Wise Labeled Products.** This residential sector eligibility level includes upgrading existing home products with efficient electric appliances and home equipment through direct purchase (by DHEEP) to the product supplier (i.e. Lowe's, Home Depot, Sears). This program targets the single family and attached homes. Particular products may be selected, pending the prior approval for inclusion, by DHEEP, such as kitchen appliances. Savings will depend upon the products included. Savings goals range from approximately 0.5 to 3.0 million British thermal units (MBtu) per participant.



- b. **DHEEP Heating & Cooling.** This program targets HVAC contractors and homeowners to increase sales and proper installation of Energy STAR © qualified HVAC equipment, such as air conditioners and heating systems. The measure mix (the technologies that are cost-effective for the program to rebate) of HVAC programs varies largely based on weather and primary fuel (electric or gas). Under this level programmable thermostats are also installed to help regulate air flow throughout the home. Savings are very sensitive to local site conditions, but the minimum savings goals range per participant is approximately 5 to 20 MBtu. Federal and State incentives/rebates will apply. Heating & Cooling upgrades will be performed per DHEEP approval.
3. **DHEEP Model Solar Home** In an effort to preserve energy, some homeowners are resorting to alternative sources of electric generation for their homes using solar and/or wind. DHEEP will be selecting one qualified homeowner through a random raffle, who will receive a comprehensive home performance package that includes all energy saving measures (i.e. eligibility levels 1, 2, & 3). Savings goals for this program rely heavily on the quality of work performed to increase the energy efficiency of the overall building envelope. The roof structure of the home will be required to be in sound condition, and thus will be subject to an inspection prior to home being selected. To remain compliant with the local utility supplier, Pepco, DHEEP will be working with Pepco to ensure that the selected Solar PV unit is connected to the grid, and is approved based on local and national standards. Being connected to the grid through Pepco's Green Power Connection program, the participating utility Participating applicant will be able to install renewable-powered generators (i.e. solar) and then sell the unused power back to the power grid. Once selected for the Solar PV unit, the homeowner will work with DHEEP's participating certified solar installer to submit an application and all related documentation to Pepco's Green Power Connection program and DHEEP, as well enter into agreement with the solar installer to perform the work. Once completed, this home will be considered a DHEEP "Model Green Home" for the community, and will serve a Green Home exhibit in the community.



The Steps to Home Energy Efficiency

STEP 1

DHEEP will make available eligible application referrals to our list of certified contractors. A Building Performance Institute (BPI) Building Analyst Certified Professional or a Residential Energy Services Network (RESNET) qualified rater (or an approved equivalent) will conduct an energy audit and comprehensive home performance assessment before work begins, then will develop and prioritize improvement measures specific to the needs of the particular house. In addition to the audit and home assessment the certified professional will educate the homeowner about their home, and install basic energy saving equipment and conduct safety testing to improve energy performance, comfort, durability, healthiness and safety in the home.

STEP 2

Based on the findings of the home performance assessment and energy audit, and measures recommended by the certified contractor homeowners of approved homes will have an opportunity to receive assistance to whole home retrofits using qualified participating program contractors and local retailer contractors, established home assessment protocols.

Participating homeowners of approval homes will also have the opportunity to qualify for Energy Star® and Water Wise labeled products from local retailers, to improve the qualified home's efficiency. The products, in this case, will be installed by contractors associated with each retailer to deliver and install their products.

STEP 3

DHEEP will be selecting one qualified homeowner through a random raffle, who will receive a comprehensive home performance package that includes all of the energy saving measures above (i.e. eligibility levels 1, 2, & 3).

STEP 4

When the work is complete, the certified analyst or rater returns to the house to conduct a test-out energy audit. This test-out assessment ensures that the installed measures are working properly and determines the modeled energy savings achieved. It also provides risk reduction for homeowners and tax payer dollars by creating a formalized quality assurance. In addition, local inspectors, the homeowners and DHEEP will also certify that work has completed satisfactorily to the standards of the homeowner, state, county and local codes, standards, and regulations.