



installed by contractors associated with each retailer, who will deliver and install the products. The program arranges for the delivery of the major appliances and equipment.

4. DHEEP will be selecting one qualified homeowner, who will receive a comprehensive home performance package that includes all of the energy saving measures above (i.e. eligibility levels 1, 2, & 3) and a solar photovoltaic system (to be installed on a roof). The contractor will be required to contract with the applicant to complete the solar installation, and meet all rules and regulations from the state, federal and county level, as well as local utility rules and regulations.
5. When the work is complete, a 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.

## 8. *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>
	<i>* 1 Home will selected by a random raffle for a solar system</i>

1. **DHEEP Residential Basic Energy Audit** 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<sup>®</sup> 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<sup>®</sup> 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. Lowes, 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<sup>®</sup> 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.

## **9. Program Approach**

The City of District Height's approach is to deliver DHEEP services similar to an infrastructure of existing WAP and Maryland's Home Performance with Energy Star (HPwES) services. The intent is clearly not to compete with WAP or HPwES for service capacity or impede WAP or HPwES programs from achieving their expanded goals, but to actually build upon and/or substitute services that WAP or HPwES may not be able to provide. This program will allow DHEEP to make a greater impact on a local level, specifically in the City of District Heights. Therefore, evaluation of bids will give preference to qualified home performance contractors who either are not engaged by WAP and HPwES agencies to deliver WAP and HPwES services, OR can effectively demonstrate how they will manage their commitments and achieve the goals of City of District Height's DHEEP and their WAP/HPwES contracts simultaneously. In addition, The City of District Heights encourages minority, service-disabled veterans, and woman-owned businesses to participate in this opportunity as Diverse Business Enterprises (DBE's). Respondents must provide documentation of such status in order to be considered a DBE. It is our policy that DBEs shall have the maximum practicable opportunity to participate in the performance of contracts. However, this policy shall not be used to exclude qualified non-DBEs from participating in this opportunity. The awarded offeror is encouraged to carry out this policy in the award of subcontracts to the fullest extent consistent with the efficient performance of this contract.

DHEEP will require the 2 primary home performance contractors to be equipped with on-call Participating SUBCONTRACTORS, which in whom, the SUBCONTRACTORS will have to provide the identical Proposal ( see Section 2.8 Minimum Proposal), and will be managed, by the primary contractor to perform the work. The Participating SUBCONTRACTORS will also be placed on a preferred vendor listing specifically to support the Participating primary contractors under their prime contract with DHEEP. DHEEP and the City of District Heights will enter into a master ordering agreement with each successful offeror which will serve as the vehicle for suppliers to perform on any DHEEP services in all areas of the city



incorporated boundaries; however, the actual service areas given to each selected PARTICIPATING CONTRACTORS may vary.

The successful offerors will receive training from DHEEP on the delivery of DHEEP services, and will be required to follow all program procedures and policies. DHEEP PARTICIPATING CONTRACTORS shall use only marketing and informational materials that are provided or approved by DHEEP. PARTICIPATING CONTRACTORS shall be evaluated based on the quality and timeliness of their service and on their demonstrated ability to ramp up to production goals by February 1, 2011.

PARTICIPATING CONTRACTOR(s) shall allow City of District Heights, its DHEEP, or Quality Assurance to conduct random field inspections of work that has been performed.

When the work is complete, the PARTICIPATING CONTRACTOR shall have a certified analyst or rater return 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 program. PARTICIPATING CONTRACTORS shall submit approved test-out assessments forms to the Project Implementer (DHEEP), which will serve as the successful completion of the project.

PARTICIPATING CONTRACTOR recognizes City of District Heights' intention to inspect a minimum of 20% of all jobs performed by the PARTICIPATING CONTRACTOR under the Program, especially at the start of the program.

PARTICIPATING CONTRACTOR, upon request of City of District Heights or its DHEEP, and at no additional cost to the customer, shall make reasonable repairs or corrections to DHEEP's specific measures that PARTICIPATING CONTRACTOR has performed, per the specific work scope. This requirement survives the termination of this agreement.

PARTICIPATING CONTRACTORS recently joining the Home Performance with Energy Star Program (through EPA, DOE, and/or Maryland Energy Administration (MEA)) or BPI, may be subject to a higher inspection percentage. For example, three (3) of the first five (5) jobs may be inspected by DHEEP and may be subject to BPI quality assurance inspection, if needed.

Once Maryland Historical Trust (MHT) (See Section 12: Federal Program Requirements for Maryland Historical Trust approval requirements) approval has been determined on approved homes, PARTICIPATING CONTRACTORS that receive