



Maryland Smart Energy Communities

Program Overview

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Maryland Energy
ADMINISTRATION
Powering Maryland's Future



Environmental Finance Center

Who are we and what do we do:

- inform and improve the capacity of local decision-makers to analyze environmental problems
- develop innovative and effective methods of financing environmental efforts
- educate communities about the role of finance and economic development in the protection of the environment



MSEC Program Overview

- **Description:** Maryland municipalities and counties adopt energy goals that mirror state goals (RE, EE, Clean Trans) and receive grant funding to kick start the goals with an energy project.
- **Goal:** Build more than a grant program. Create communities that are leaders for residents, foster innovative community energy projects, build a network of communities that share best practices.
- Funding for program comes from the MEA via the Strategic Energy Investment Fund, a function of Maryland's participation in the Regional Greenhouse Gas Initiative.



EFC's Role

- ▣ Recruit communities
- ▣ Assist communities with program deliverables (**policies, baselines, action plans**)
- ▣ Facilitate grant processing/project completion
- ▣ Market and promote the program
- ▣ Educate: Help communities improve energy management practices (e.g., basic energy use and cost tracking) and address challenges that will help them achieve the MSEC goals.



Round 1 Communities

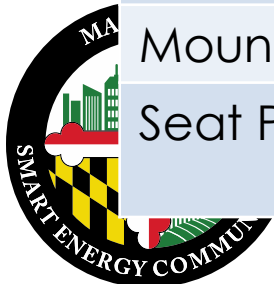
**34
communities
designated**

Counties	Municipalities
Prince George's	College Park, Greenbelt, Bladensburg, University Park, Mt. Rainier, Capitol Heights + 7
Montgomery	Rockville, Takoma Park
Harford	Aberdeen
Baltimore City	N/A
Anne Arundel	Highland Beach
Talbot	N/A
Garrett	N/A
Frederick	Emmitsburg, Thurmont
	Princess Anne, Rock Hall, Westminster, Manchester, Taneytown, Boonsboro, Denton



A Network of Peer Communities

Community	MSEC Goals	2014 MSEC Project
Bladensburg	EE (Efficiency) and RE (Renewable)	HVAC Upgrades
Capitol Heights	EE and RE	Solar PV
Cottage City	EE and RE	Lighting/Solar PV
Edmonston	EE and RE	HVAC and Lighting
Forest Heights	EE and RE	Lighting/Solar PV
Glenarden	EE and RE	Lighting
Landover Hills	EE and RE	TBD
Mount Rainier	EE and RE	HVAC/Lighting
Seat Pleasant	EE and Transportation	Windows and Insulation



Peer Communities Continued

Community	EE Goal – Target Reduction (kWh)	RE Goal – Target Generation (kWh)
Bladensburg	32,290	43,050
Capitol Heights	11,591	15,450
Cottage City	26,640	35,520
Edmonston	10,440	13,920
Forest Heights	4,400	5,866
Glenarden	38,384	51,179
Landover Hills	21,765	29,020
Mount Rainier	56,200	74,900
Seat Pleasant	14,900	19,900
Total	184,320	245,760 ~ 200 kW Solar
Prince George's Co.	N/A	10,595,250


 SMART

Projects



Goals for 2014

- Steward new cohort of 23 communities through the program (*Have until June 2015 to spend MSEC grant*)
- Recognizing and celebrating first round of 34 communities and executing projects (*By June 2014*)
- Research Areas (Where are communities struggling?)
 - Streetlights – What is the process and business case for upgrading to LED?
 - Financing – How to pay for the goals communities have set w/ out dependence on grants? Demonstrating the business the case for energy projects where one exists.
 - Solar Transparency – Document project specs, process, and costs across local governments solar PV projects to serve as case studies for undecided communities.

