



**WELCOME!**



# The Green Homes Challenge

## Challenge 1: Be a Power Saver

*Save Our Energy, Bank Your Money!*

**Helps residents reduce energy consumption and utility bills**



## Challenge 2: Be a Green Leader

*Green Your Lifestyle, Protect Our Resources!*

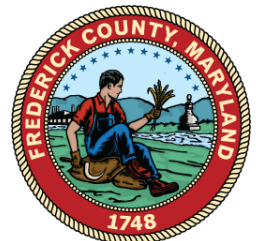
**Helps residents adopt environmentally-friendly practices**



## Challenge 3: Be a Renewable Star

*Renew Your Energy, Clear Our Air!*

**Helps residents use renewable energy**





# The Green Homes Challenge

## Special Initiatives

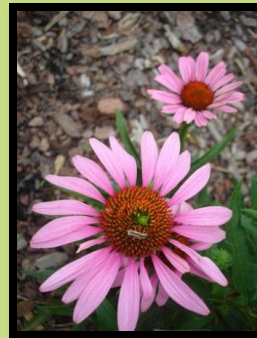
### Power Saver

- **Power Saver Retrofits**
  - ~173 homes retrofitted
- **Refrigerator Exchange Program**
  - ~ 243 Households



### Green Leader

- **Neighborhood Green**
  - ~ 51 acres of native trees and shrubs planted
- **Expanded Neighborhood Green**
  - ~ 150 households



### Renewable Star

- **Solarize Frederick County**
  - 66 Solar Electric
  - 12 Solar Hot Water





# IMPACTS

## ESTIMATED TOTAL ANNUAL SAVINGS ACROSS FREDERICK COUNTY

### TOTAL DOLLARS SAVED



\$ 8 4 3 7 5 9



Total metric Tons of CO<sub>2</sub> reduced **8,214**



Total kilowatts of electricity saved **5,624,278**



Total gallons of water saved **27,477,680**



Total gallons of gasoline saved **98,884**



# What's New





# What's New

## More User-Friendly Interface



**POWER SAVER**

**GREEN LEADER**

**RE**



FIND POWER SAVER ACTIONS



MY COMPLETED ACTIONS



MY TO-DO LIST



MY PROGRESS & MEDALS



POST TO GREEN STORIES



PRINT MY CERTIFICATE



# What's New

## Virtual Municipal Green Teams!

### Team Listings



#### 3. Urbana

44 members, 1,560 actions, 739 tons CO<sub>2</sub> savings,  
\$72,885 dollar savings



#### 4. Thurmont

29 members, 1,242 actions, 411 tons CO<sub>2</sub> savings,  
\$42,630 dollar savings



#### 5. Middletown

28 members, 1,447 actions, 612 tons CO<sub>2</sub> savings,  
\$56,057 dollar savings



#### 6. Myersville

24 members, 1,073 actions, 388 tons CO<sub>2</sub> savings,  
\$38,568 dollar savings



# Green Team Action & Impact Details

## Team Details

### MYERSVILLE

Members	24 participants	▼
Actions taken	1073	▼
Total CO <sub>2</sub> savings	388 tons	▼
Total dollar savings	\$38,568	▼
Ranking	6 out of 33	▲





## Special Initiatives

# Refrigerator Exchange Program 2014

- **234 Low- & Moderate-Income Households**
- **Exchange: 2001 models and older were carefully recycled and replaced with Energy Star models at no cost to homeowners**
- **Estimated Savings: \$82 - \$170/year per household**



**Maryland Energy**  
ADMINISTRATION



## Special Initiatives

# Power Saver Retrofits – 2014; Repeat in 2015?

## Power Saver Retrofits

- 86 Moderate/Low Income Households
- Home Performance with Energy Star Audit
- Up to \$8,000 in Energy Efficiency Retrofits
- More than \$63,000 in savings per year;  
~\$750/yr/household



**Maryland Energy**  
ADMINISTRATION



## Special Initiatives

# Expanded Neighborhood Green



- Rain Gardens
  - Rain Barrels
  - Conservation Landscaping
  - Tree Planting
- 
- **Goal: 150 Homes; 40 Acres Treated for Nutrient /Sediment Load Reductions**

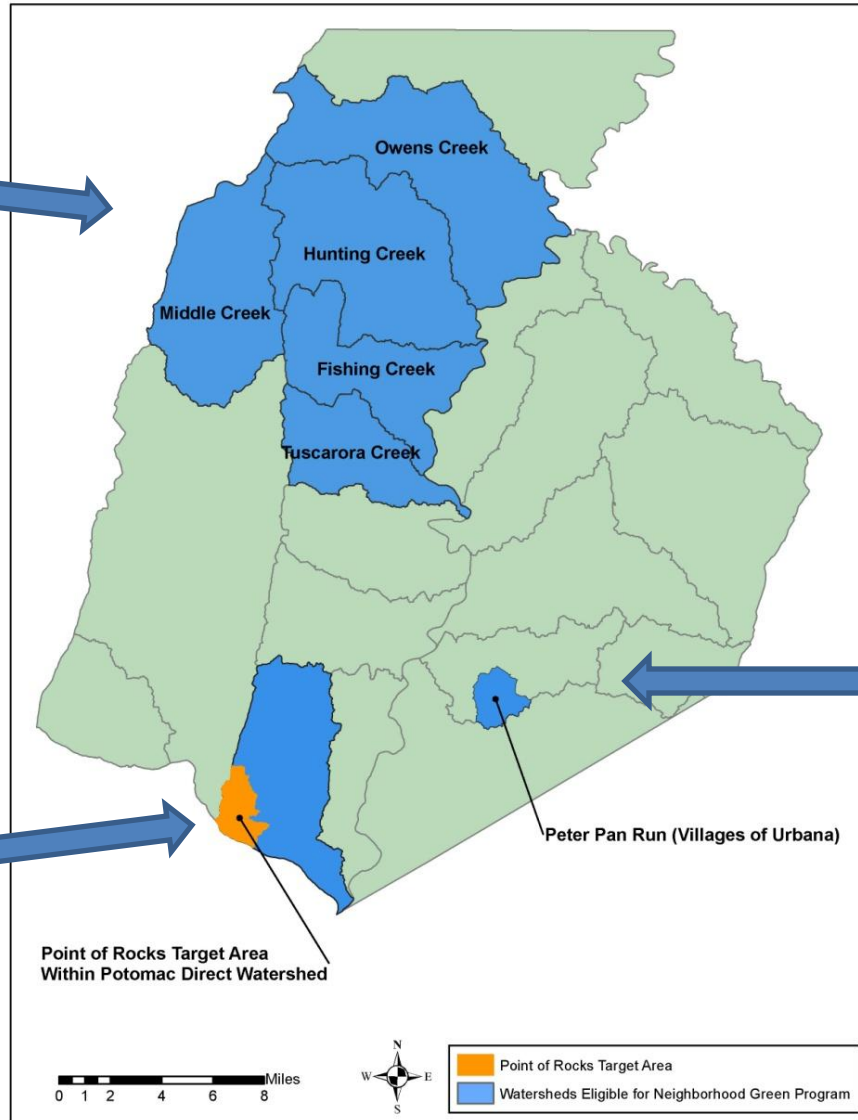
### FUNDING:





# Targeted Watersheds

Upper Monocacy  
Brook Trout Watersheds



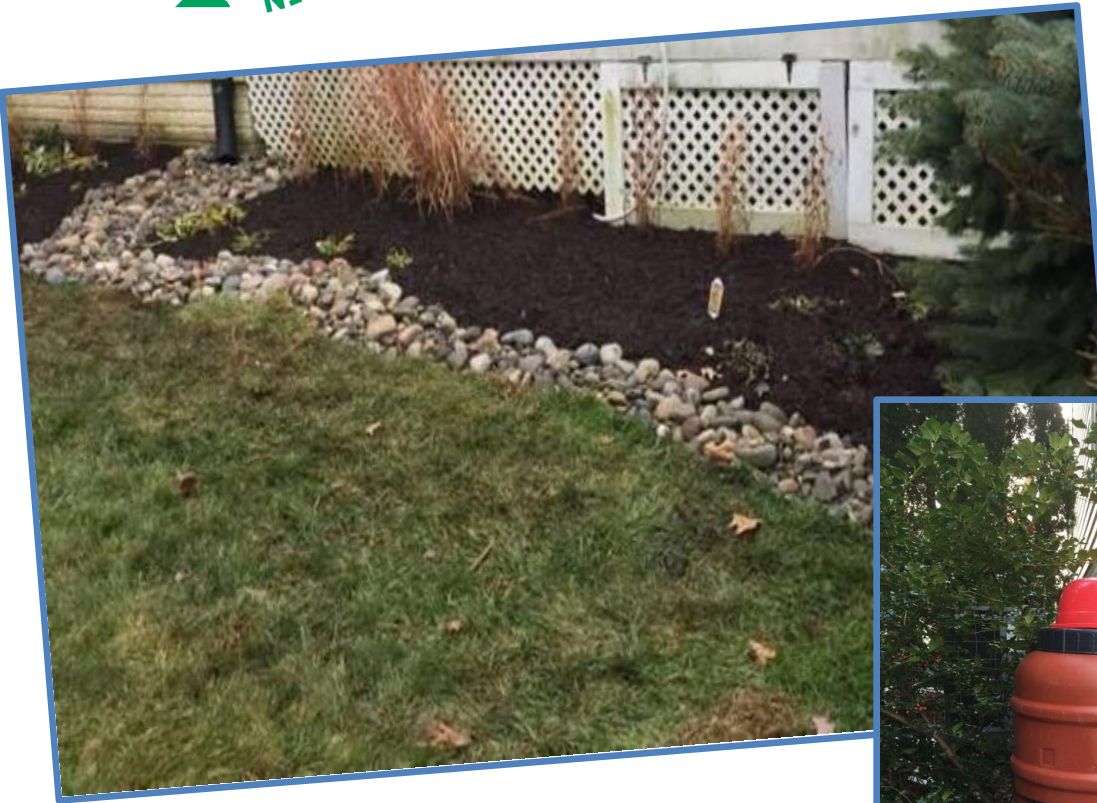
Lower  
Monocacy  
(Peter Pan Run)  
Watershed

**NEW FOR 2015!**

Point of Rocks  
Target Area within  
Potomac Direct  
Watershed



# Villages of Urbana Projects





# Neighborhood Green/My Brookies Actions



Install a rain barrel or cistern



Redirect your rooftop runoff with a downspout disconnect to a splash block



Have a stormwater audit or landscape plan completed that includes landscape practices to filter stormwater



Follow an urban nutrient management plan completed by a contractor



Replace 30 square feet or more of turf grass or other surface with conservation landscaping using native plants



## GREEN LEADER CHALLENGE