

Sustainability Projects FY16

Public Works

Implementation of Sustainable Energy Action Plan – Strategies implemented include:

1. Building Energy Efficiency Process Coach
2. Have the City Lead by Example
3. Encourage Multifamily Building Energy Efficiency
4. Develop a Residential Voluntary Tiered Performance Program
5. Purchase Renewable Energy
6. Encourage Community Solar Projects
7. Expand Capital Bikeshare Stations (HCD)
8. Expand Mobilization and Outreach for Sustainability

Stormwater

\$152,396 Capital Projects, included Maple Ave permeable pavers, Larch and Glazewood bio-retention and construction inspection

\$67,560 Sub Contract, including dry weather sampling, System video inspection and cleaning, bio-retention facility maintenance

\$110,088 Outside Labor and Services, included Hayward stream restoration, installation of facilities on garland, Westmoreland, inlet repairs and supplemental planting

\$133,000 personnel costs

Trees

\$22,045 planting in public right of way

\$7,605 private tree purchases through bulk buy

\$38,625 Tree Maintenance

\$1,480 Invasive management

Sidewalks (walkable community)

\$374,821 New sidewalk design and construction (included Safe Routes To School grant funds)

\$309,301 ADA sidewalk compliance

\$53,056 Traffic Calming design and construction

Select Detail

FY 16 "Sustainability" Budget: \$85,800 Spent: \$ 75,483.75

- \$6,000 was carried forward for the winning Neighborhood Energy Challenge team awards due the teams needing more time to implement their projects.
- Budgeted standalone awards event moved to GreenFest
- Interns hours less

Rebates

\$41,225.5
241 Rebates
187 Audits
54 Improvement Jobs

Energy Efficiency Multifamily Grant

\$20,000
2 Projects completed, one lighting retrofit and one HVAC improvement project
Takoma Condominium and Takoma Overlook Condominium

Neighborhood Energy Challenge

171 Green Home Certifications, majority were Medium or Dark Green, homeowners took significant steps.

746 Participating Households
Pepco has not yet provided the energy data for the time period directly after the challenge ended, and we have not yet had the cooling season so the Gas data is not yet relevant.

Outreach

Sustainability Listserv over 700
Webpage development ongoing
Sustainability Catalog Development

Polystyrene

\$688.32 Implementation assistance

Staff Education

51 Staff members participated
185,633 lbs CO2 saved
53,220 kWh saved
New staff Environmental Workgroup established

Project Porchlight

\$454
Changed over 100 porch lights to LED, helped Boy Scout earn his Eagle Scout

Transportation:

\$1,987.84 Staff Bicycles added to vehicle fleet

Business Energy Efficiency

\$5,000 Green Impact Campaign
63 businesses received free energy assessment
480,000 kWh potential savings
\$92,000 in potential savings

Safe Grow

\$5,000 Educational Event

Sustainability Catalog Excerpt

Energy

Hybrid City Vehicles
Biodiesel
Solar - Existing systems at PW & 7500 &
Residential Solar co-ops increasing solar by over
35%
Geothermal Heating and Cooling
Graywater Recycling System
Sustainable Energy Action Plan
City Building LED conversion
Heffner Park HVAC upgrade
Rec Center LED conversion
Street Light LED Conversion, pilot completed,
Council approved comprehensive conversion

Infrastructure Projects

Stormwater projects
Green Street Projects, Flower & Ethan Allen

Waste

Curbside Food Waste Collection
Curbside Recycling
Computer and Electronic Recycling
Medication Disposal and Drop-off (Police)
Yard Waste Collection
Mulch
Water Bottle Refill Stations
Paperless HR practices

Transportation

Bike Share Stations & Expansion (HCD)
Recent Bike Grant (HCD)
Bus Transit Center & New Ave Improvements
(HCD)
Safe Walking Routes to School (HCD)
Bike Lanes and Trails (HCD)
City Staff Bicycles Program (PW)
14 Electric Vehicle Charging Stations (PW)

Health & Safety

Safe Grow
Poly ban
Tree Permits

Climate Risk Assessment planned as required by
Compact of Mayors

Awards & Recognition:

Sustainable MD Certified
MWCOC Climate and Energy Award
Tree City USA
Certified National Wildlife Habitat
Compact of Mayors
Smart Energy Communities
CDP Participation on Reporting GHG Emissions
Georgetown University Energy Prize
DOE Better Buildings Participation:
Outdoor Lighting Accelerator
Smart Energy for Low Income
Communities Accelerator
Better Communities Alliance
Workplace Charging Accelerator