

# FY 2017 Regional Environmental Resources Work Program

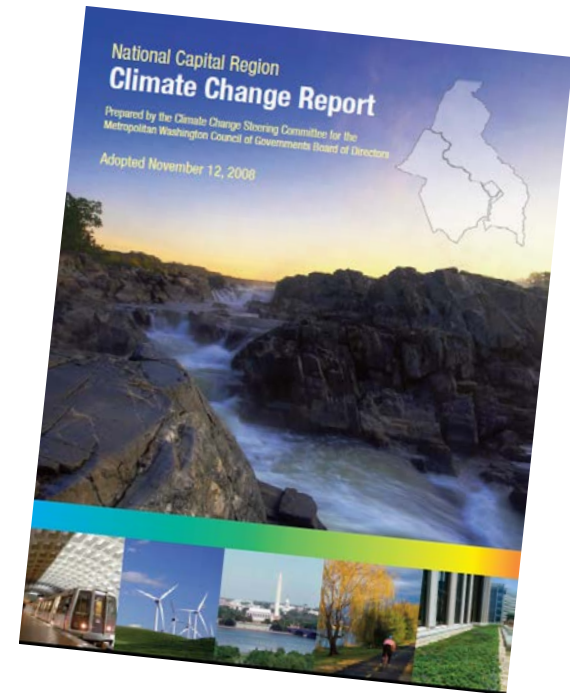
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Steve Walz  
Director of Environmental Programs

Climate, Energy and Environment Policy Committee  
May 25, 2016

# Regional Environmental Fund

- Established in 1998 to Consolidate Regional Energy Programs
- Implements the 2008 National Capital Region Climate Change Report
- Addresses Energy Planning, Climate Action, Recycling & Solid Waste Management, Green Infrastructure



# Regional Environmental Fund

- Key Driver – Climate & Energy Action Plan
- 2013-2016 Goals
  - Reduce GHG Emissions & Energy Use
  - Increase Renewable Energy Production
  - Support Green Fleets
  - Increase Resiliency & Sustainability
  - Improve Public Understanding of Climate Change & Behavior Change

May 22, 2013

Climate Energy and Environment Policy Committee  
FINAL 2013-2016 ACTION PLAN

*\* Indicates a goal that is new in the 2016 Action Plan (i.e., not included in the 2012 Action Plan)*  
*\*\*Status indicates the percent total that has implemented or is in progress on each action. Most results are based on the CCG annual climate and energy surveys.*

**REGIONAL GREENHOUSE GAS REDUCTION**  
 Goal: To reduce the region's greenhouse gas emissions to 20% below 2005 levels by 2020.

Implementation Actions:

Greenhouse Gas (GHG) Inventories and Plans	Status**
1 100% of jurisdictions complete GHG inventories for government operations.	77%
2 100% of jurisdictions complete community-wide GHG inventories.	68%
3 100% of jurisdictions adopt GHG emission reduction plans for government operations.	68%
4 75% of jurisdictions adopt plans to reduce GHG emissions community-wide.	53%

**BUILT ENVIRONMENT AND INFRASTRUCTURE**  
 Goal: To reduce non-transportation energy consumption, which accounts for two thirds of the region's greenhouse gas emissions, by 20% below 2005 levels by 2020.

Implementation Actions:

Energy Efficiency	Status**
5 100% of jurisdictions track and/or benchmark energy performance in all government buildings.	95%
6* 75% of jurisdictions participate in a regional EPA Portfolio Manager Master Account Sharing.	TBD (in progress)
7* 75% of jurisdictions disclose energy performance of all government buildings.	50%
8* 75% of jurisdictions prepare an energy plan for local government facilities.	68%
9* 75% of jurisdictions perform walk-through energy audits of local government facilities.	68%
10* 50% of jurisdictions participate in EPA's Better Buildings Challenge, which includes pledging to reduce 20% energy use in building(s).	5%
11* 50% of jurisdictions develop a policy or ordinance to increase the energy efficiency of outdoor lighting in appropriate areas such as streets, parking lots, parks and/or signage.	41%
12* At least 6 jurisdictions implement integrated community energy planning initiatives, including active consideration of deploying combined heat and power, district energy, and/or microgrid systems.	5
13* 2% of households region-wide participate in Home Performance with Energy Star Program (HPwES) (home energy assessments and retrofits).	TBD (in progress)

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# FY 17 Program

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## Program Areas

- A. Climate & Energy Policy Development
- B. Built Environment Energy Advisory Committee
- C. Energy Infrastructure, Efficiency & Renewables
- D. Sustainability & Adaptation
- E. Air & Climate Public Advisory Committee (ACPAC)
- F. Vehicle Emission Reductions
- G. Recycling & Solid Waste
- H. Green Infrastructure
- I. Member Support & Program Development



# Climate & Energy Policy Development

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- Energy & Greenhouse Gas Mitigation Policies & Programs
  - Climate & Energy Action Plan
    - 2013-2016
    - 2017-2020
  - Climate Action Champion
  - Gold Book Updates– Energy & Air Quality Nexus
  - Greenhouse Gas Inventories – 2015 Regional & Local
  - Progress Reporting
- COG Energy & Climate Legislative Priorities
- Regional Participation and Voice
  - State Energy, Climate, Clean Power Plans

# Built Environment - Energy Advisory Committee

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- Technical Advisory Committee to CEEPC
- Support Local Solutions to Energy & Climate Challenges
- Regional Emergency Support Function 12 – Energy Emergencies
  - Consolidate Multiple Regional Response Plans
  - Plan for Emergency & Cascading Impact Response
- Utility and Energy Data Collection & Analysis
- Local Program Capacity Building
  - Networking, Workshops & Training
  - Climate & Energy Action Plan Resource Guide Updates

# Energy Infrastructure, Efficiency & Renewables

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- Implementation of Energy Efficiency & Renewable Energy
  - Building Efficiency, PACE Workgroup & Green Bank Support
  - Outdoor Lighting Retrofits
  - Cooperative Solar Procurement, Residential & Commercial Solarize; Community Solar
  - Green Cooperative Purchasing
- Distributed Energy Systems
  - Microgrid DER-CAM Modeling & Systems Analysis
  - Geothermal Potential Analysis
- Alternate Fuel Vehicle Infrastructure
  - Fleet Grants, Clean Cities & EV Workgroup



# Sustainability & Adaptation

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- Regional Planning Coordination
  - Vulnerability Assessments
  - Adaptation Studies & Plans
  - Partnerships (NCPC, NASA, Corps of Engineers, GSA)
- Economic Impact
- Capacity Building & Technical Assistance
  - Networking, Workshops & Training
  - Build From District of Columbia Climate Change Adaption Plan & NVRC Climate Atlas





# Air and Climate Public Advisory Committee

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- Advisor to CEEPC and Metropolitan Washington Air Quality Committee (MWAQC)
  - 2017-2020 Climate & Energy Action Plan
- Monthly Meetings
- Initiatives
  - Climate and Energy Leadership Awards
  - Environmental Justice Toolkit



# Vehicle Emission Reductions

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- Federal and State Grants
  - Cooperative Procurement of AFVs
  - Diesel Retrofits
  - Greening the Fleet



# Regional Solid Waste Management & Recycling

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- Recycling Committee
- Solid Waste Managers Workgroup
  - Demolition Debris Management
- Organics Task Force
- I-95 Landfill Committee
- Go Recycle Campaign
- America's Recycle Day



# Green Infrastructure

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- Urban Forestry
  - Community Forestry Network
  - Regional Urban Forest Canopy Analysis and Report
  - Reforestation
  - Urban Forestry Grants
- Agriculture
  - Washington Regional Agricultural Workgroup
  - National Capital Farms.org
  - What Our Region Grows
  - Food Value Chain Coordinator



# Member Support & Program Development

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- Economic Competitiveness
  - Federal Laboratory Consortium for Technology Transfer
  - Green Incubators & Business Accelerators
  - Global Cities Initiative
- COG Corporate Sustainability Report
- Respond to Member Requests
- Program Management
- Staff Capacity Building

# Budget

Climate Policy Development	\$221,462
Built Environment and Energy Advisory Committee	\$166,117
Energy Infrastructure, Efficiency & Renewables	\$301,572
Sustainability/Adaptation	\$80,016
Air and Climate Public Advisory Committee	\$37,558
Vehicle Emission Reductions	\$70,000
Management / Member Support	\$45,676
Recycling/Solid Waste	\$171,100
Green Infrastructure	\$65,250
Total	\$1,158,751



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