

**DRAFT OUTLINE
CLIMATE CHANGE WORK PROGRAM
15-month**

April 1, 2009 - June 30, 2010

MWCOG

February 20, 2009 Staff Draft

Note:

This draft outline of COG's Climate Change work program from April, 2009 through June, 2010 includes elements of different COG programs. Many of these programs, such as the transportation initiatives, as well as many of the environmental initiatives are included in other COG work programs and have been approved, funded, and are underway. Proposed projects that support COG's Climate Change initiative but require additional funding are also identified in the document.

Draft Outline 15-month Climate Change Work Program
(April 1, 2009- June 30, 2010)

<u>Category</u>	<u>Completion Date</u>
1. Development of Regional Climate Change Plans	
<ul style="list-style-type: none"> ○ Plan for 2012 (10% reduction below business as usual in 2012) <ul style="list-style-type: none"> - Quantify GHG reduction benefits from adopted energy efficiency measures and proposed individual and household actions; - Prioritize regional and local measures by cost and benefit; - Develop steps to implement measures to achieve benefits by 2012. 	11/09
<ul style="list-style-type: none"> ○ Plan for 2020 (20% reduction below 2005 levels) <ul style="list-style-type: none"> - Begin analysis of measures to achieve 2020 reduction target. 	5/10
2. Energy Initiatives	
Focus on energy efficiency initiatives, renewable energy, and assist local governments to lead by example.	
<ul style="list-style-type: none"> ○ Street Light Project <i>Replace old technology with new energy efficient technology. Develop regional guidelines or standards.</i> <ul style="list-style-type: none"> - Implement pilot - Report 	6/09 6/10
<ul style="list-style-type: none"> ○ Green Fleet Project <ul style="list-style-type: none"> - Develop Green Fleet policy - Hybrid fleet/AFV Workshop 	TBD 10/09
<ul style="list-style-type: none"> ○ Support local government renewable energy initiatives (e.g., windpower purchase) 	Ongoing
<ul style="list-style-type: none"> ○ Home Energy Audits and Retrofits <ul style="list-style-type: none"> - Develop a regional approach, working with utilities, local governments - Develop web resource 	TBD 6/09
<ul style="list-style-type: none"> ○ Green Building Codes, Standards (IGBG) <ul style="list-style-type: none"> - Recommend Residential Standard(s) 	Ongoing 6/09
<ul style="list-style-type: none"> ○ Partner with Greater Washington Board of Trade re: commercial building energy efficiency 	TBD

3. Transportation Initiatives

- Public Outreach 10/09
 - Conduct public outreach to get feedback on scenarios and get recommendations for incorporating scenario planning activities into regional planning process
- Scenario Analysis 6/10
 - Review strategies in “What Would It Take” scenario to assess combination of measures necessary to achieve significant reductions in CO2 emissions by 2020, 2030, and 2050.
- Reduction Measures 6/09
 - Analyze greenhouse gas reduction measures in three categories:
 - Fuel efficiency (CAFÉ, CAL LEVII)
 - Fuel Carbon Intensity (alternative fuels, ethanol)
 - Travel Efficiency
 - VMT reduction from smart growth
 - VMT reduction, TDM strategies (Commuter Connections)
 - Operational efficiency (TSM, Signals, Incident management)

4. Measuring Progress/Technical Tools

Two methods, a regional GHG emissions inventory and regional metrics, will be used to track progress in meeting the region’s greenhouse gas emissions goals. To track annual progress, regional metrics will be used. The regional inventory will be updated in 2012 and then every 3-5 years to establish progress compared to the 2005 baseline.

- Develop regional metrics Annually
(electricity generation, utility EE programs, EIA fuels consumption, VMT data)
- Refine Regional GHG emissions inventory 9/09
Add detailed emissions for waste water and drinking water plants, update transportation emissions.
- Calculate Mobile Source CO2 emissions Inventory 6/09
(years 2002, 2005, 2010, 2012, 2020, 2030)
- Develop local government protocol to measure benefits (AQ and CO2) from energy efficiency measures. 10/09
- Assist local governments with development of emissions inventories (workshops and upon request). ongoing

- Survey of energy efficiency and renewable energy programs of local jurisdictions. Annually
 - Survey of local government tree canopy programs and plan to improve tree canopy in the region. Annually
- 5. Adaptation Initiatives**
- Conduct water/wastewater workshops with aim of developing consensus on inventory among stakeholders on GHG inventory protocols. 5-6/09
- 6. Legislative Tracking and Advocacy**
- Track federal, state and local climate change initiatives and regulations. Ongoing
 - Develop advocacy positions for local, state, and federal action. Ongoing
- 7. Outreach and Education**
- Regional Outreach and Education Campaign 4/09
 - Convene outreach coordination *meeting of local, state agencies and utilities to discuss outreach campaigns for energy efficiency.*
 - Coordinate with Clean Air Partners, Commuter Connections re: messaging Spring 2009
 - Information Resource
 - Update COG climate change website
 - Outreach to COG Members and Stakeholders TBD
 - Workshops for members
 - Collaborate w/ IRE and GMU
 - Promote Green business/green jobs (Green affordable housing conference) 3/09
- 8. Committee Support**
- Climate Change Steering Committee (through 4/09)
 - “Climate and Energy” Policy Committee (4/09 – 6/10)
 - Technical Committee (4/09 – 6/10)
- 9. Proposed New Initiatives (additional funding needed)**
- Regional energy/climate outreach campaign
 - Regional climate impacts report/adaptation strategy

- Update Best Practices Report
- Regional Green Power Jobs, Survey
- Cost benefit analysis of measures

Existing Resources Supporting COG's Climate Change Work Program

COG/DEP Regional Environmental Fund and COG Membership Fees:

Supports Categories 1, 2, 4, 6, 7 and 8

- Intergovernmental Green Building Group (IGBG)
- Energy Advisory Committee (EAC)

Regional Alternative Fuels Strategy (Alternative Fuels Partnership):

Supports Category 2

COG/DEP Regional Water Fund:

Supports Category 5

- Including in-kind contributions/collaboration with WEF/WERF/AWWA/AwwRF

COG/DEP Grant Projects:

Supports Categories 1, 4, and 7

- DMME/DOE Clean Energy and Air Quality in the Washington Region

Metropolitan Washington Air Quality Committee (MWAQC) Local Measures Funding:

Supports Categories 1 and 4

National Capital Region Transportation Planning Board (TPB):

Supports Categories 3 and 4

- Regional Studies, Scenario Study Task Force