

2009-2012 Regional Climate Action Workplan		Target Date for Completion																
***COMMITTEE REVIEW DRAFT DO NOT CITE OR QUOTE ***		2009				2010				2011				2012				Emission Impact
Recommendations	Performance Measures	Responsible Parties	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th			
Yellow	Existing Measure																	
Orange	Proposed Deletion																	
Blue	Proposed Addition or Revision																	
Purple	Added based on staff/member recommendations after ad-hoc workgroup meeting.																	
ROW ID	I. Regional Greenhouse Gas Reduction Goals/Plans																	
1	1. 2012: Reduce Emissions to 2005 Levels																	
2	a) Reduce emissions of greenhouse gases in the region to 2005 levels by 2012.	Local Governments, COG, Community (Business and Individuals)													X	Yes		
3	b) CEEPC identifies work program priorities for the year.	CEEPC		X				X				X						
4	b) COG prepares progress report with annual updates on meeting the 2012 goal.	COG			X			X					X					
5	c) 100% of jurisdictions prepare government and community wide greenhouse gas inventories.	Local Governments								X								
6	d) 100% of jurisdictions prepare plan to reduce greenhouse gas emissions from government operations, including adopting a reduction target.	Local Governments										X				Yes		
7	e) 50% of jurisdictions prepare community-wide plans to reduce greenhouse gas emissions.	Local Governments										X				Yes		
8	c) 50% of jurisdictions prepare government and community wide greenhouse gas inventories.	Local Governments				X												
9	d) 100% of jurisdictions prepare government and community wide greenhouse gas inventories.	Local Governments							X									
10	e) 50% of jurisdictions prepare plan to reduce greenhouse gas emissions from government operations, including adopting a reduction target.	Local Governments									X					Yes		
11	f) 100% of jurisdictions prepare plan to reduce greenhouse gas emissions from government operations, including adopting a reduction target.	Local Governments													X	Yes		
12	g) 50% of jurisdictions prepare community-wide plans to reduce greenhouse gas emissions.	Local Governments									X							
13	h) 100% of jurisdictions prepare community-wide plans to reduce greenhouse gas emissions.	Local Governments													X	Yes		
14	2. 2020: Reduce 20% below 2005																	
15	a) COG prepares plan to meet 2020 Goal.	COG													X	Yes		
16	3. 2050: Reduce 80% below 2005																	
17	II. Energy																	
18	Local/Regional Strategies for Government and Business																	
19	A. Improve Energy Efficiency in Buildings																	
20	1. Implement COG Green Building Policy																	
21	a) 100% of jurisdictions adopt and implement COG Green Building Policy requiring all new public-sector buildings to achieve LEED Silver levels and all private-sector commercial buildings to meet a regional LEED-certified plus standard or equivalent.	Local Governments, IGBG, USGBC						X								Yes		
22	a) 100% of jurisdictions adopt and implement COG Green Building Policy for achievement of goal that all new public-sector buildings achieve at least LEED Silver levels and all private-sector commercial buildings meet a regional LEED-certified plus standard or equivalent.	Local Governments, IGBG, USGBC						X								Yes		
23	b) Intergovernmental Green Building Group (IGBG) proposes COG Green Building Policy Recommendations for schools and residential buildings.	IGBG			X			X										
24	2. Set energy performance goals for govt buildings, new and existing																	
25	a) 80% of jurisdictions benchmark energy performance in all government buildings.	Local Governments													X			
26	b) 60% of jurisdictions disclose energy performance in all government buildings.	Local Governments													X			
27	3. Identify best practices to reduce local govt energy use by 15% by 2012																	
28	a) 100% of jurisdictions reduce energy use by 10% below business-as-usual by 2012.	Local Governments													X	Yes		
29	b) 100% of jurisdictions submit data to COG regarding energy efficiency program implementation.	Local Governments, COG		X				X				X						

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30	4. Develop incentives for retrofitting existing buildings, commercial and residential															
31	a) 60% of jurisdictions have programs in place to support home energy retrofits, such as financing incentives, grants, or technical assistance.	Local Governments, State Energy Offices, Weatherization Programs, Maryland Clean Energy Center, COG										X				Yes
32	b) All three states standardize training and certification of auditors and contractors, facilitating reciprocity across the region.	State Energy Offices, Weatherization Programs, Community Colleges, Building Performance Institute, RESNET			X											
33	c) 35% of jurisdictions develop and implement Home Energy Loan Programs.	Local Governments, COG, Maryland Clean Energy Center, State Energy Offices, Private Sector										X				Yes
34	d) COG prepares a feasibility study on a regional financing option to support Home Energy Loan Program.	COG			X											
35	e) 10,000 residential units retrofitted annually to achieve a 5-10 percent energy saving.	Community					X				X				X	Yes
36	f) 500-1000 residential units retrofitted annually to achieve a 10-30 percent energy saving.	Community					X				X				X	Yes
37	g) 50% of jurisdictions have commercial building energy usage benchmarking requirements.	Local Governments													X	
38	h) 250 buildings retrofitted annually to achieve a 5-10 percent energy savings.	Community					X				X				X	Yes
39	i) 100 buildings retrofitted annually to achieve a 10-30 percent energy savings.	Community					X				X				X	Yes
40	5. Develop affordable energy efficiency programs for homeowners and businesses															
41	6. Promote use of energy efficient appliances															
42	a) 30% of jurisdictions implement incentive programs to encourage purchase of new energy efficient appliances.	State or Local Governments, Utilities									X					Yes
43	7. Revise state and local building codes to promote energy efficiency															
44	a) IGBG evaluates and develops recommendations for enhancements to building codes for energy efficiency.	IGBG, Local Govts									X					
45	8. Develop green affordable housing policies/programs															
46	a) IGBG evaluates and develops recommendations for development of green affordable housing policies/programs.	IGBG, Local Govts									X					
47	9. Identify best practices for improving efficiency for public and private buildings															
48	a) 3 regional pilots implemented for LEED-EB Operations and Maintenance.	Local Governments, Private Sector												X		Yes
49	B. Reduce Demand for Energy															
50	1. Partner with electric, gas and water utilities on regional energy conservation															
51	a) 30% of jurisdictions partner with utilities to implement smart grid technology.	State or Local Governments, Utilities					X									Yes
52	b) COG partners with utilities and government to track home energy retrofits and smart grid implementation.	COG, State and Local Government, Utilities					X				X				X	
53	2. Expand recycling programs															
54	a) Region increases diversion rate from 30 to 40%.	Local Governments, Residents, Businesses												X		Yes
55	3. Reduce energy use at area water and wastewater treatment plants and landfills															

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54	4. Promote energy efficient streetlights across the region																
55		<i>a) 60% of jurisdictions implement a program to replace older street lights with new more efficient technology.</i>	Local Governments, COG, Clinton Climate Foundation, Utilities, Vendors											X			Yes
56	5. Promote regional energy performance contracting and expand through cooperative purchasing																
57		<i>b) 50% of jurisdictions have experience with energy performance contracting.</i>	Local Governments, ESCOs											X			Yes
58	6. Explore opportunities to remove the disincentive for utilities to invest in energy conservation																
59	C. Promote Clean Energy Sources																
60	1. Adopt a goal of 20 percent renewable energy purchase by local governments by 2015																
61		<i>a) 100% of jurisdictions purchase or consume 10 percent renewable energy by 2012.</i>	Local Governments, Power Purchase Groups, COG, Utilities, Green Power Providers										X				Yes
62		<i>b) 75% of local governments install renewable energy system on government buildings.</i>	Local Governments, Green Power Companies							X							Yes
63		<i>c) 50% of jurisdictions assist or incentivize consumer purchase of renewable energy, such as Clean Energy Rewards Program.</i>	Local Governments										X				
64		<i>d) 25% of consumers purchase renewable energy.</i>	Consumers, Utilities, Green Power Providers													X	Yes
65	2. Evaluate regional cooperative purchase to meet the 20% renewable purchase goal																
66	3. Examine options for removing non-financial barriers to implementing renewable energy, e.g., solar panels																
67		<i>a) 75% of jurisdictions prepare plans, employ incentives, and implement government projects to increase deployment of renewable energy technology.</i>	Local Governments										X				Yes
68		<i>b) All state and local jurisdictions remove barriers to implementing renewable energy by the private sector, e.g., solar panels.</i>	Federal, State, and Local Government													X	
69		<i>c) 1000 residential, commercial, or govt buildings have renewable energy systems installed.</i>	Federal, State, and Local Government, Private Sector					X									Yes
70		<i>d) 5000 residential, commercial, or govt buildings have renewable energy systems installed.</i>	Federal, State, and Local Government, Private Sector									X					Yes
71		<i>e) 10000 residential, commercial, or govt buildings have renewable energy systems installed.</i>	Federal, State, and Local Government, Private Sector													X	Yes
72	4. Explore the possibility of implementing a community energy planning process in the region																
73		<i>a) Northern Virginia Regional Commission completes pilot community energy planning process in Northern Virginia.</i>	NVRC, Local Government					X									
74	5. Develop a regional inventory of renewable energy capacity and production, including solar, geothermal, district heating/cooling, wind, and biofuels																
75	D. Reduce Non-CO ₂ Greenhouse Gas Emissions																
76	1. Best practices to reduce methane and biosolids from wastewater treatment facilities																
77		<i>a) 100% of wastewater facilities identify and implement best practices to reduce methane and biosolids from wastewater treatment facilities. Evaluate the potential for reducing greenhouse gas emissions through methane recapture.</i>	Wastewater Utilities, Water Resources Technical Committee										X				Yes
78	2. Adopt industry standard protocols to quantify greenhouse gas emissions and reductions for water and wastewater utilities																

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79	III. Transportation and Land Use																			
80	1. TPB Work Program Activities																			
81	1. Prepare greenhouse gas emission inventories																			
82	a) TPB prepares regional greenhouse gas inventories and forecasts for all milestone years.			TPB		X														
83	2. Evaluate greenhouse gas emission reduction measures																			
84	a) Perform cost effectiveness and cost-benefit analysis of greenhouse gas emission reduction measures, e.g., VMT reduction from travel demand management, systems operations improvements such as signal optimization and MATOC, and freight operations.			TPB		X														
85	3. Identify emission reduction strategies																			
86	a) TPB identifies cost effective strategies for implementation			TPB		X														
87	4. Conduct Metropolitan Planning Process																			
88	a) TPB conducts continuing regional metropolitan planning processes for greenhouse gases; continue ongoing TPB activities and incorporate requirements on MPO planning activities included in pending federal climate change and transportation authorization legislation once enacted.			TPB		X														
89	2. Local and Regional Strategies for Government and Business																			
90	A. Increase Fuel Efficiency and Use of Clean Fuel Vehicles																			
91	1. Promote clean fuel vehicles (cars, trucks, buses)																			
92	2. Adopt regional green fleet policy																			
93	a) COG adopts green fleet policy that includes accelerated implementation of federal CAFE Standards/GHG emission standards for local government fleets.			COG				X												
94	b) 30% of jurisdictions implement the COG green fleet policy.			Local Governments												X	Yes			
95	3. Promote use of clean fuels																			
96	a) 50% of jurisdictions implement alternative fuel infrastructure projects needed to support alternative fuel vehicle technology implementation (e.g., natural gas, biofuel, hydrogen, electricity).			Local Governments, COG, Private Sector										X			Yes			
97	B. Travel Efficiency																			
98	1. Adopt VMT/Capita reduction goals																			
99	a) 60-70% of jurisdictions implement programs that reduce VMT per capita.			Local Governments, Private Sector									X				Yes			
100	2. Invest more in transit																			
101	3. Expand transit use (incentives, exclusive transit lanes)																			
102	a) 100% of transit agencies examine options to promote the increased use of existing transit capacity.			Transit Agencies							X									
103	4. Expand transit infrastructure																			

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104	5. Expand commuter options (car sharing, financial incentives)																	
105	a) 80% of jurisdictions implement programs to expand commuter options (telework, car sharing, bicycle/pedestrian, financial incentives).	Local Govts						X								Yes		
106	6. Promote transit-oriented development																	
107	a) 80% of jurisdictions promote transit-oriented development/Concentrate future growth in Regional Activity Centers.	Local Governments, Planning Directors, Metropolitan Development Policy Committee								X						Yes		
108	b) 50% of jurisdictions develop plans to meet the Greater Washington 2050 targets for growth (75% of commercial square feet and 50% of households) occurring in Regional Activity Centers.	Local Governments, Planning Directors, Metropolitan Development Policy Committee										X				Yes		
109	7. Examine parking policies to reduce VMT																	
110	a) 60-70% of jurisdictions implement parking policies that reduce VMT.	Local Governments												X		Yes		
111	8. Adopt best practices for traffic engineering improvements and road management to reduce VMT and congestion																	
112	a) 60% of jurisdictions adopt best practices for traffic engineering improvements and road management to reduce greenhouse gases.	Local Governments, DOTs, TPB								X						Yes		
113	9. Implement the Metropolitan Area Transportation Operations Coordination (MATOC) Program	Now reflected in III.1.2																
114	10. Enforce existing idling regulations																	
115	a) 60% of jurisdictions conduct enhanced enforcement of idling regulations.	Local Governments			X											Yes		
116	11. Explore opportunities to reduce emissions from the aviation sector																	
117	a) Adopt and implement plans to reduce emissions from the aviation sector.	MWAA, COG, Federal, State, and Local Government					X									Yes		
118	12. Explore opportunities to reduce emissions from the freight sector																	
119	a) TPB adopts goals to reduce emissions from the freight sector, including considerations of shifting freight from trucks to rail.	Now reflected in III.1.2																
120	D. Land Use																	
121	1. Develop plan to meet goal of increased tree canopy																	
122	a) Local governments prepare plans to meet goal of increased tree canopy.	COG, Local Governments, USFS, State Forestry Offices, Private Landowners							X							Yes		
123	b) COG and local governments prepare regional plan to meet goal of increased tree canopy.	COG, Local Governments, USFS, State Forestry Offices, Private Landowners										X				Yes		
124	2. Evaluate Leadership in Energy and Environmental Design (LEED-ND) standards for new development																	
125	a) IGBG and MDPC evaluate and propose approach to implementing LEED-ND.	IGBG, MDPC					X											
126	3. Carefully plan the location and design of new, infill, and redevelopment projects																	

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127	4. Integrate GHG analyses into comprehensive planning, new projects																	
128	a) COG develops tool to assist local governments include greenhouse gas analysis in local planning.	COG				X												
129	b) 50% of jurisdictions integrate greenhouse gas analyses into comprehensive planning .	Local Governments							X									
130	E. Regional Metropolitan Planning Process		Now reflected in III.1.4															
131	1. Develop regional metropolitan planning process for greenhouse gases		Now reflected in III.1.4															
132	a) TPB develops a regional metropolitan planning process for greenhouse gases modeled after the current process for transportation and air quality planning.		Now reflected in III.1.4															
133	2. Make greenhouse gas reduction a stated goal of regional transportation planning activities		Now reflected in III.1.4															
134	3. Consult with other regions around the country to broadly evaluate options for regional approaches to greenhou		Now reflected in III.1.4															
135	IV. Adaptation																	
136	Local/Regional Strategies for Government and Business																	
137	1. Analyze impacts and risks to region's transportation infrastructure, buildings and populations in low-lying areas																	
138	a) Evaluate impact of climate change on one or more sectors, including water, air, energy, and public safety.	COG, Universities, Private Sector, State and Federal Government					X											
139	2. Research best practices to prepare for effect of climate change																	
140	a) Prioritize stakeholder concerns and document regional adaption options.	COG, Universities, Private Sector, State and Federal Government					X											
141	3. Partner with universities and private sector to research climate change and adaptation strategies																	
142	a) Conduct literature review to determine lessons learned from other regions.	COG, Universities, Private Sector, State and Federal Government				X												
143	4. Develop regional adaptation policies																	
144	a) Develop draft regional adaptation strategy.	COG, Universities, Private Sector, State and Federal Government											X					
145	5. Conduct Adaptation Workshops																	
146	a) COG holds general and sector-specific adaptation workshops.	COG, Universities, Private Sector, State and Federal Government	X		X													

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147	V. Economic Development																		
148	1. Promote green business & green jobs																		
149	<i>a) 50% of jurisdictions implement programs to promote clean energy industries.</i>	Local Governments				X													
150	2. Promote eco-business zones																		
151	<i>a) One regional pilot project promoting a renewable energy park.</i>	Federal, State, and Local Government, Private Sector											X			Yes			
152	3. Promote cooperative green purchasing																		
153	<i>a) 60% of jurisdictions adopt green purchasing policies.</i>	Local Governments, COG							X										
154	<i>b) 30% of jurisdictions participate in a regional/subregional cooperative green purchasing program.</i>	Local Governments, COG										X							
155	4. Expand local food production options						X				X					X			
156	5. Expand local vendors and suppliers						X				X					X			
157	6. Regional green jobs analysis																		
158	<i>a) COG expands DC Green Jobs Analysis to the Region.</i>	COG							X										
159	VI. Financing Mechanisms																		
160	1. Evaluate financing mechanisms for energy efficiency projects (energy fee, tax, other)																		
161	<i>a) COG collaborates with jurisdictions to develop feasibility study and recommendations for innovative financing programs for energy efficiency for single and multifamily homes.</i>	COG, Local Governments				X													
162	2. Establish a clean energy fund																		
163	<i>a) COG collaborates with the Greater Washington Board of Trade Carbon Cut Program and area jurisdictions to develop feasibility study and recommendations for establishing a regional clean energy fund.</i>	COG, Local Governments, Board of Trade				X													
164	3. Participate in cap and trade program revenues																		
165	4. Develop a regional carbon offset fund for preserving tree canopy																		
166	<i>a) COG collaborates with the Greater Washington Board of Trade Carbon Cut Initiative.</i>	COG, Local Governments, Board of Trade		X												Yes			
167	5. Secure addtl financing for public transit																		
168	<i>a) COG Submits grant request for federal funding of Bus Rapid Transit.</i>	COG, Local Governments, Transit Agencies	✓																
169	6. Establish funding for building retrofits																		
170	<i>a) One jurisdiction establishes home energy loan program or other innovative municipal financing program for building retrofits.</i>	COG, Local Governments			X											Yes			

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171	VII. Regional Outreach & Education																		
172	1. Implement a regional public education campaign																		
173		<i>a) Identify targets for outreach campaign, implement regional survey to assess awareness.</i>	COG, Universities, Local Governments, Utilities, State Energy Offices			X													
174		<i>b) Region develops and implements targeted public education campaigns, including development of press packs and social marketing campaign materials.</i>	COG, Universities, Local Governments, Utilities, State Energy Offices	X				X									Yes		
175	2. Develop partnerships with private sector and other organizations																		
176		<i>a) Develop partnerships and coordinate with others to fund a regional public education campaign.</i>	COG, Universities, Local Governments, Utilities, State Energy Offices	X			X										Yes		
177	3. Support COG member outreach efforts																		
178		<i>a) 35% of jurisdictions develop energy challenge/pledge programs (community, citizens) and/or encourage energy leaders programs.</i>	Local Governments, Private Sector						X								Yes		
179		<i>b) 35% of jurisdictions develop green business challenges (businesses, employees).</i>	Local Governments, Private Sector						X								Yes		
180	VIII. COG Climate Change Program																		
181	1. Establish COG Climate and Energy Policy Committee			COG	✓														
182	2. Develop work program priorities, schedule, staffing plan, budget			COG, Local Govts	X														
183	3. Prepare Plan to reach 2012 and 2020 goals			COG, Local Govts	X											X	Yes		
184	4. Evaluate cost effectiveness of measures			COG					X										
185	5. Design outreach and education program			COG, State and Local Governments, Utilities, Area Universities					X										
186	6. Track initiatives and develop advocacy positions																		
187	<i>a) Establish legislative and regulatory affairs subcommittee.</i>			CEEPC, COG	✓														
188	7. Develop system for tracking progress toward GHG goals and periodically review targets			COG, Local Govts				X											
189	8. Develop a regional standardized analytical methodology for use by individual local governments in developing their greenhouse gas emission inventories																		
190		<i>a) COG holds workshops with national organizations on greenhouse gas emission protocols.</i>	COG, Local Govts, ICLEI, EPA, WRI, The Climate Registry	✓		X													
191	9. Prepare annual progress report to COG Board of Directors on implementation progress			COG					X			X				X			