

2009-2012 Regional Climate Action Workplan			Target Date for Completion																	
ROW ID	Recommendations	Performance Measures	Responsible Parties	2009				2010				2011				2012				Emission Impact
				4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th				
		LEGEND																		
		Yellow Existing Measure																		
		Orange Proposed Deletion																		
		Blue Proposed Addition or Revision																		
		Purple Added based on staff/member recommendations post 10-22-09																		
	I. Regional Greenhouse Gas Reduction Goals/Plans																			
1	1. 2012: Reduce 10% below 2012 Business-as-Usual																			
2		<i>a) Reduce emissions of greenhouse gases in the region by 10% below projected business-as-usual levels by 2012 (i.e., return to 2005 levels).</i>	Local Governments, COG, Community (Business and Individuals)															X	Yes	
3		<i>b) CEEPC identifies work program priorities for the year.</i>	CEEPC		X				X								X			
4		<i>c) COG prepares progress report with annual updates on meeting the 2012 goal.</i>	COG			X				X							X			
5		<i>c) 100% of jurisdictions prepare government and community wide greenhouse gas inventories.</i>	Local Governments									X								
6		<i>d) 100% of jurisdictions prepare plan to reduce greenhouse gas emissions from government operations, including adopting a reduction target.</i>	Local Governments														X		Yes	
7		<i>e) 50% of jurisdictions prepare community-wide plans to reduce greenhouse gas emissions.</i>	Local Governments														X		Yes	
8		<i>d) 50% of jurisdictions prepare government and community wide greenhouse gas inventories.</i>	Local Governments				X													
9		<i>e) 100% of jurisdictions prepare government and community wide greenhouse gas inventories.</i>	Local Governments									X								
10		<i>f) 50% of jurisdictions prepare plan to reduce greenhouse gas emissions from government operations, including adopting a reduction target.</i>	Local Governments										X						Yes	
11		<i>g) 100% of jurisdictions prepare plan to reduce greenhouse gas emissions from government operations, including adopting a reduction target.</i>	Local Governments															X	Yes	
12		<i>h) 50% of jurisdictions prepare community-wide plans to reduce greenhouse gas emissions.</i>	Local Governments											X					Yes	
13		<i>i) 100% of jurisdictions prepare community-wide plans to reduce greenhouse gas emissions.</i>	Local Governments															X	Yes	
14	2. 2020: Reduce 20% below 2005																			
15		<i>a) COG prepares plan to meet 2020 Goal.</i>	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		<i>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.</i>	Local Governments, IGBG, USGBC							X									Yes	
22		<i>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.</i>	Local Governments, IGBG, USGBC							X									Yes	
23		<i>b) Intergovernmental Green Building Group (IGBG) proposes COG Green Building Policy Recommendations for schools and residential buildings.</i>	IGBG			X				X										
24	2. Set energy performance goals for govt buildings, new and existing																			
25		<i>a) 80% of jurisdictions benchmark energy performance in all government buildings.</i>	Local Governments															X		
26		<i>b) 60% of jurisdictions disclose energy performance in all government buildings.</i>	Local Governments															X		

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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				
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) Add input from member research																
45	8. Develop green affordable housing policies/programs																
46	a) Add input from member research																

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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, Building Owners													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																
56	4. Promote energy efficient streetlights across the region																
57	a) 60% of jurisdictions implement a program to replace older street lights with new more efficient technology.	Local Governments, COG, Clinton Climate Foundation, Utilities, Vendors													X		Yes
58	5. Promote regional energy performance contracting and expand through cooperative purchasing																
59	b) 50% of jurisdictions have experience with energy performance contracting.	Local Governments, ESCOs												X			Yes
60	6. Explore opportunities to remove the disincentive for utilities to invest in energy conservation																
61	C. Promote Clean Energy Sources																
62	1. Adopt a goal of 20 percent renewable energy purchase by local governments by 2015																
63	a) 100% of jurisdictions purchase or consume 10 percent renewable energy by 2012.	Local Governments, Power Purchase Groups, COG, Utilities, Green Power Providers												X			Yes
64	b) 75% of local governments install renewable energy system on government buildings.	Local Governments, Green Power Companies								X							Yes
65	c) 50% of jurisdictions assist or incentivize consumer purchase of renewable energy, such as Clean Energy Rewards Program.	Local Governments											X				
66	d) 25% of consumers purchase renewable energy.	Consumers, Utilities, Green Power Providers														X	Yes
67	2. Evaluate regional cooperative purchase to meet the 20% renewable purchase goal																

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68	3. Examine options for removing non-financial barriers to implementing renewable energy, e.g., solar panels																
69	a) 75% of jurisdictions prepare plans, employ incentives, and implement government projects to increase deployment of renewable energy technology.	Local Governments												X			Yes
70	b) All state and local jurisdictions remove barriers to implementing renewable energy by the private sector, e.g., solar panels.	Federal, State, and Local Government														X	
71	c) 1000 residential, commercial, or govt buildings have renewable energy systems installed.	Government, Consumers, Utilities, Green Power Providers					X										Yes
72	d) 5000 residential, commercial, or govt buildings have renewable energy systems installed.	Government, Consumers, Utilities, Green Power Providers											X				Yes
73	e) 10000 residential, commercial, or govt buildings have renewable energy systems installed.	Government, Consumers, Utilities, Green Power Providers														X	Yes
74	4. Explore the possibility of implementing a community energy planning process in the region																
75	a) Northern Virginia Regional Commission completes pilot community energy planning process in Northern Virginia.	NVRC, Local Government					X										
76	5. Develop a regional inventory of renewable energy capacity and production, including solar, geothermal, district heating/cooling, wind, and biofuels																
77	D. Reduce Non-CO ₂ Greenhouse Gas Emissions																
78	1. Best practices to reduce methane and biosolids from wastewater treatment facilities																
79	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.	Wastewater Utilities, Water Resources Technical Committee												X			Yes
80	2. Adopt industry standard protocols to quantify greenhouse gas emissions and reductions for water and wastewater utilities																
81	III. Transportation and Land Use																
82	Local and Regional Strategies for Government and Business																
83	A. Increase Fuel Efficiency and Use of Clean Fuel Vehicles																
84	1. Promote clean fuel vehicles (cars, trucks, buses)																
85	2. Adopt regional green fleet policy																
86	a) COG adopts green fleet policy that includes accelerated implementation of federal CAFE Standards/GHG emission standards for local government fleets.	COG					X										
87	b) 30% of jurisdictions implement the COG green fleet policy.	Local Governments														X	Yes
88	3. Promote use of clean fuels																
89	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
90	B. Reduce Vehicle Miles Traveled (VMT)																
91	1. Adopt VMT reduction goals																
92	a) TPB identifies feasible regional VMT reduction goals and recommends cost-effective VMT reduction programs.	TPB															
93	2. Invest more in transit																
94	3. Expand transit use (incentives, exclusive transit lanes)																
95	a) 100% of transit agencies examine options to promote the increased use of existing transit capacity.	Transit Agencies												X			

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96	4. Expand transit infrastructure																
97	5. Expand commuter options (car sharing, financial incentives)																
98	a) TPB adopts goal to expand commuter options (telework, car sharing, bicycle/pedestrian, financial incentives).	TPB, Commuter Connections															
99	6. Promote transit-oriented development																
100	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
101	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				
102	7. Examine parking policies to reduce VMT																
103	a) 50% of jurisdictions examine parking policies to reduce VMT.	Local Governments													X		
104	C. Travel Efficiency																
105	1. Adopt best practices for traffic engineering improvements and road management to reduce VMT and congestion																
106	a) 60% of jurisdictions adopt best practices for traffic engineering improvements and road management to reduce VMT and congestion.	Local Governments, DOTs, TPB									X						Yes
107	2. Implement the Metropolitan Area Transportation Operations Coordination (MATOC) Program																
108	a) Commit to continuation of funding for the MATOC Program	State DOTs, TPB				X											Yes
109	3. Enforce existing idling regulations																
110	4. Explore opportunities to reduce emissions from the aviation sector																
111	a) Explore opportunities to reduce emissions from the aviation sector.	MWAA, COG, Federal, State, and Local Government						X									
112	5. Explore opportunities to reduce emissions from the freight sector																
113	a) TPB adopts goals to reduce emissions from the freight sector, including considerations of shifting freight from trucks to rail.	TPB															
114	D. Land Use																
115	1. Develop plan to meet goal of increased tree canopy																
116	a) COG and local governments prepare regional plan to meet goal of increased tree canopy.	COG, Local Governments												X			
117	2. Evaluate Leadership in Energy and Environmental Design (LEED-ND) standards for new development																
118	3. Carefully plan the location and design of new, infill, and redevelopment projects																
119	4. Integrate GHG analyses into comprehensive planning, new projects																
120	a) 50% of jurisdictions integrate greenhouse gas analyses into comprehensive planning for major new transportation and other new capital projects.	Local Governments									X						
121	E. Regional Metropolitan Planning Process																
122	1. Develop regional metropolitan planning process for greenhouse gases																
123	a) TPB develops a regional metropolitan planning process for greenhouse gases modeled after the current process for transportation and air quality planning.	TPB															
124	2. Make greenhouse gas reduction a stated goal of regional transportation planning activities																
125	3. Consult with other regions around the country to broadly evaluate options for regional approaches to greenhouse gas reductions																

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126	IV. Adaptation																
127	Local/Regional Strategies for Government and Business																
128	1. Research best practices to prepare for effect of climate change																
129		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				
130	2. Partner with universities and private sector to research climate change and adaptation strategies																
131	3. Analyze impacts and risks to region's transportation infrastructure, buildings and populations in low-lying areas																
132	4. Develop regional adaptation policies																
133	5. Conduct Adaptation Workshops																
134		a) COG holds general and sector-specific adaptation workshops.	COG	X		X											
135	V. Economic Development																
136	1. Promote green business & green jobs																
137		a) 100% of jurisdictions promote green business & green jobs.	Local Governments											X			
138	2. Promote eco-business zones																
139	3. Promote cooperative green purchasing																
140		a) 60% of jurisdictions adopt green purchasing policies.	Local Governments, COG							X							Yes
141		b) 30% of jurisdictions participate in a cooperative green purchasing program.	Local Governments, COG										X				Yes
142	4. Promote local food production options																
143	5. Promote local vendors and suppliers																
144	6. Regional green jobs analysis																
145		a) COG expands DC Green Jobs Analysis to the Region.	COG							X							
146	VI. Financing Mechanisms																
147	1. Evaluate financing mechanisms for energy efficiency projects (energy fee, tax, other)																
148		a) COG collaborates with jurisdictional efforts to develop innovative municipal financing programs.	COG, State and Local Government, Utilities			X											
149	2. Establish a clean energy fund																
150		a) COG explores opportunities to develop a regional clean energy fund.	COG, State and Local Government, Utilities			X											
151	3. Participate in cap and trade program revenues																
152	4. Develop a regional carbon offset fund for preserving tree canopy																
153		b) COG collaborates with the Greater Washington Board of Trade's on initiatives such as Carbon Cut Initiative.	COG, Board of Trade		X												Yes
154	5. Secure addtl financing for public transit																
155	6. Establish funding for building retrofits																
156		a) Jurisdictions pursue federal and other funding sources to finance building retrofits.	Members, COG	X													
157		b) COG explores opportunities to develop regional program to fund building retrofits.	COG, Local Governments, Private Sector Partners, State Energy Offices	X													

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158	VII. Regional Outreach & Education																		
159	1. Implement a regional public education campaign																		
160		a) COG develops a regional public education campaign.	COG, Utilities, State Energy Offices							X								Yes	
161	2. Develop partnerships with private sector and other organizations																		
162	dup	a) Develop partnerships and coordinate with others to develop and implement a regional public education campaign.	COG, Utilities, State Energy Offices	X						X								Yes	
163	3. Support COG member outreach efforts																		
164		a) 35% of jurisdictions develop energy challenge/pledge programs (community, green business, employee) and/or encourage energy leaders programs.	Local Governments							X								Yes	
165		b) 35% of jurisdictions develop green business challenges.	Local Governments							X								Yes	
166	VIII. COG Climate Change Program																		
167	1. Establish COG Climate and Energy Policy Committee (CEEPC)																		
168		a) COG Board establishes CEEPC. CEEPC meets bi-monthly.	COG Board of Directors	✓															
169	2. Develop work program priorities, schedule, staffing plan, budget																		
170		a) Complete climate action work plan for 2009-2012.	CEEPC, Members, COG	X															
171	dup	b) CEEPC identifies work program priorities for the year.	CEEPC		X					X				X					
172	3. Prepare Plan to reach 2012 and 2020 goals																		
173		a) CEEPC prepares plan to reach 2012 goals.	CEEPC, Members, COG	X															
174	dup	b) CEEPC prepares plan to reach 2020 goals.	CEEPC, Members, COG														X		
175	4. Evaluate cost effectiveness of measures																		
176		a) COG prepares report on available emission reduction measures, including cost/benefit analysis.	COG			X													
177	5. Design outreach and education program																		
178	dup	a) Develop partnerships and coordinate with others to develop and implement a regional public education campaign.	COG, Utilities, State Energy Offices	X						X								Yes	
179	6. Track initiatives and develop advocacy positions																		
180		a) Establish legislative and regulatory affairs subcommittee.	CEEPC, COG	✓															
181	7. Develop system for tracking progress toward GHG goals and periodically review targets																		
182		a) COG develops recommendations for tracking progress, identifying available metrics and indicators.	COG			X													
183	8. Develop a regional standardized analytical methodology for use by individual local governments in developing their greenhouse gas emission inventories																		
184		a) COG holds training seminars and workshops to educate stakeholders on available reporting protocols.	COG, WRI, ICLEI, Climate Registry	X															
185	9. Prepare annual progress report to COG Board of Directors on implementation progress for COG's Climate Change Initiative																		
186		a) COG prepares annual report on implementation progress.	COG			X				X				X					