

ATTACHMENT 1

2009-2012 Regional Climate Action Workplan			Target Date for Completion												Emission Impact					
ROW ID	Recommendations	Performance Measures	Responsible Parties	2009				2010				2011				2012				
				4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd		3rd	4th			
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) COG prepares progress report with annual updates on meeting the 2012 goal.</i>	COG			X				X					X					
4		<i>c) 100% of jurisdictions prepare government and community wide greenhouse gas inventories.</i>	Local Governments								X									
5		<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		
6		<i>e) 50% of jurisdictions prepare community-wide plans to reduce greenhouse gas emissions.</i>	Local Governments										X					Yes		
7	2.	2020: Reduce 20% below 2005																		
8	3.	2050: Reduce 80% below 2005																		
9	II. Energy																			
10	Local/Regional Strategies for Government and Business																			
11	A. Improve Energy Efficiency in Buildings																			
12	1.	Implement COG Green Building Policy																		
13		<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		
14		<i>b) Intergovernmental Green Building Group (IGBG) proposes COG Green Building Policy Recommendations for schools and residential buildings.</i>	IGBG			X														
15	2.	Set energy performance goals for govt buildings, new and existing																		
16		<i>a) 80% of jurisdictions benchmark energy performance in all government buildings.</i>	Local Governments											X						
17	3.	Identify best practices to reduce local govt energy use by 15% by 2012																		
18		<i>a) 100% of jurisdictions reduce energy use by 10% below business-as-usual by 2012.</i>	Local Governments													X		Yes		
19		<i>b) 100% of jurisdictions submit data to COG regarding energy efficiency program implementation.</i>	Local Governments, COG		X			X					X							
20	4.	Develop incentives for retrofitting existing buildings, commercial and residential																		
21		<i>a) 60% of jurisdictions have programs in place to support home energy retrofits, such as financing incentives, grants, or technical assistance.</i>	Local Governments, State Energy Offices, Weatherization Programs, Maryland Clean Energy Center, COG										X					Yes		

2009-2012 Regional Climate Action Workplan				Target Date for Completion												Emission Impact		
Recommendations	Performance Measures	Responsible Parties	2009	2010				2011				2012						
			4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th			
22		<i>b) All three states standardize training and certification of auditors and contractors, facilitating reciprocity across the region.</i>			X													
23		<i>c) 35% of jurisdictions develop and implement Home Energy Loan Programs.</i>											X					Yes
24		<i>d) COG prepares a feasibility study on a regional financing option to support Home Energy Loan Program.</i>				X												
25		<i>e) 10,000 homes retrofitted annually to achieve a 5-10 percent energy saving.</i>					X					X				X		Yes
26		<i>f) 500-1000 homes retrofitted annually to achieve a 10-30 percent energy saving.</i>					X					X				X		Yes
27		<i>g) 50% of jurisdictions have commercial building energy usage benchmarking requirements.</i>														X		
28		<i>h) 250 buildings retrofitted annually to achieve a 5-10 percent energy savings.</i>					X					X				X		Yes
29		<i>i) 100 buildings retrofitted annually to achieve a 10-30 percent energy savings.</i>					X					X				X		Yes
30	5.	Develop affordable energy efficiency programs for homeowners and businesses																
31	6.	Promote use of energy efficient appliances																
32		<i>a) 30% of jurisdictions implement incentive programs to encourage purchase of new energy efficient appliances.</i>										X						Yes
33	7.	Revise state and local building codes to promote energy efficiency																
34	8.	Develop green affordable housing policies/programs																
35	9.	Identify best practices for improving efficiency for public and private buildings																
36	B.	Reduce Demand for Energy																
37	1.	Partner with electric, gas and water utilities on regional energy conservation																
38	2.	Expand recycling programs																
39	3.	Reduce energy use at area water and wastewater treatment plants and landfills																
40	4.	Promote energy efficient streetlights across the region																
41		<i>a) 60% of jurisdictions implement a program to replace older street lights with new more efficient technology.</i>												X				Yes
42	5.	Promote regional energy performance contracting and cooperative purchasing																
43	6.	Explore opportunities to remove the disincentive for utilities to invest in energy conservation																

2009-2012 Regional Climate Action Workplan			Target Date for Completion												Emission Impact		
Recommendations	Performance Measures	Responsible Parties	2009	2010				2011				2012					
			4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th		
44	C. Promote Clean Energy Sources																
45	1. Adopt a goal of 20 percent renewable energy purchase by local governments by 2015																
46		a) 100% of jurisdictions purchase or consume 10 percent renewable energy by 2012.												X			Yes
47		b) 50% of jurisdictions assist or incentivize consumer purchase of renewable energy, such as Clean Energy Rewards Program.												X			
48		c) 25% of consumers purchase renewable energy.														X	Yes
49	2. Evaluate regional cooperative purchase to meet the 20% renewable purchase goal																
50	3. Examine options for removing barriers to implementing renewable energy, e.g., solar panels																
51		a) 75% of jurisdictions prepare plans, employ incentives, and implement government projects to increase deployment of renewable energy technology.												X			Yes
52		b) All state and local jurisdictions remove barriers to implementing renewable energy by the private sector, e.g., solar panels.														X	
53	4. Explore the possibility of implementing a community energy planning process in the region																
54		a) Northern Virginia Regional Commission completes pilot community energy planning process in Northern Virginia.						X									
55	5. Develop a regional inventory of renewable energy capacity and production, including solar, geothermal, district heating/cooling, wind, and biofuels																
56	D. Reduce Non-CO ₂ Greenhouse Gas Emissions																
57	1. Best practices to reduce methane and biosolids from wastewater treatment facilities																
58		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.												X			Yes
59	2. Adopt industry standard protocols to quantify greenhouse gas emissions and reductions for water and wastewater utilities																
60	III. Transportation and Land Use																
61	Local and Regional Strategies for Government and Business																
62	A. Increase Fuel Efficiency and Use of Clean Fuel Vehicles																
63	1. Promote clean fuel vehicles (cars, trucks, buses)																
64	2. Adopt regional green fleet policy																
65		a) COG adopts green fleet policy that includes accelerated implementation of federal CAFE Standards/GHG emission standards for local government fleets.						X									
66		b) 30% of jurisdictions implement the COG green fleet policy.														X	Yes

2009-2012 Regional Climate Action Workplan			Target Date for Completion												Emission Impact		
Recommendations	Performance Measures	Responsible Parties	2009	2010			2011			2012							
			4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th		
67	3. Promote use of clean fuels																
68	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
69	B. Reduce Vehicle Miles Traveled (VMT)																
70	1. Adopt VMT reduction goals																
71	a) TPB identifies feasible regional VMT reduction goals and recommends cost-effective VMT reduction programs.	TPB															
72	2. Invest more in transit																
73	3. Expand transit use (incentives, exclusive transit lanes)																
74	a) 100% of transit agencies examine options to promote the increased use of existing transit capacity.	Transit Agencies									X						
75	4. Expand transit infrastructure																
76	5. Expand commuter options (car sharing, financial incentives)																
77	a) TPB adopts goal to expand commuter options (telework, car sharing, bicycle/pedestrian, financial incentives).	TPB, Commuter Connections															
78	6. Promote transit-oriented development																
79	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
80	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				
81	7. Examine parking policies to reduce VMT																
82	a) 50% of jurisdictions examine parking policies to reduce VMT.	Local Governments													X		
83	C. Travel Efficiency																
84	1. Adopt best practices for traffic engineering improvements and road management to reduce VMT and congestion																
85	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
86	2. Implement the Metropolitan Area Transportation Operations Coordination Program																
87	3. Enforce existing idling regulations																

2009-2012 Regional Climate Action Workplan			Target Date for Completion												Emission Impact		
Recommendations	Performance Measures	Responsible Parties	2009	2010			2011				2012						
			4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th		
88	4. Explore opportunities to reduce emissions from the aviation sector																
89	<i>a) Explore opportunities to reduce emissions from the aviation sector.</i>	MWAA, COG, Federal, State, and Local Government					X										
90	5. Explore opportunities to reduce emissions from the freight sector																
91	<i>a) TPB adopts goals to reduce emissions from the freight sector, including considerations of shifting freight from trucks to rail.</i>	TPB															
92	D. Land Use																
93	1. Develop plan to meet goal of increased tree canopy																
94	<i>a) COG and local governments prepare regional plan to meet goal of increased tree canopy.</i>	COG, Local Governments												X			
95	2. Evaluate Leadership in Energy and Environmental Design (LEED-ND) standards for new development																
96	3. Carefully plan the location and design of new, infill, and redevelopment projects																
97	4. Integrate GHG analyses into comprehensive planning, new projects																
98	<i>a) 50% of jurisdictions integrate greenhouse gas analyses into comprehensive planning for major new transportation and other new capital projects.</i>	Local Governments								X							
99	E. Regional Metropolitan Planning Process																
100	1. Develop regional metropolitan planning process for greenhouse gases																
101	<i>a) TPB develops a regional metropolitan planning process for greenhouse gases modeled after the current process for transportation and air quality planning.</i>	TPB															
102	2. Make greenhouse gas reduction a stated goal of regional transportation planning activities																
103	3. Consult with other regions around the country to broadly evaluate options for regional approaches to greenhouse gas reductions																
104	IV. Adaptation																
105	Local/Regional Strategies for Government and Business																
106	1. Research best practices to prepare for effect of climate change																
107	<i>a) Evaluate impact of climate change on one or more sectors, including water, air, energy, and public safety.</i>	COG, Universities, Private Sector, State and Federal Government												X			
108	2. Partner with universities and private sector to research climate change and adaptation strategies																
109	3. Analyze impacts and risks to region's transportation infrastructure, buildings and populations in low-lying areas																
110	4. Develop regional adaptation policies																
111	5. Conduct Adaptation Workshops																
112	<i>a) COG holds general and sector-specific adaptation workshops.</i>	COG	X		X												
113	V. Economic Development																
114	1. Promote green business & green jobs																
115	<i>a) 100% of jurisdictions promote green business & green jobs.</i>	Local Governments												X			
116	2. Promote eco-business zones																
117	3. Promote cooperative green purchasing																
118	4. Promote local food production options																
119	5. Promote local vendors and suppliers																
120	6. Regional green jobs analysis																
121	<i>a) COG expands DC Green Jobs Analysis to the Region.</i>	COG									X						

2009-2012 Regional Climate Action Workplan			Target Date for Completion												Emission Impact			
Recommendations	Performance Measures	Responsible Parties	2009	2010				2011				2012						
			4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th			
122	VI. Financing Mechanisms																	
123	1. Evaluate financing mechanisms for energy efficiency projects (energy fee, tax, other)																	
124	2. Establish a clean energy fund																	
125	3. Participate in cap and trade program revenues																	
126	4. Develop a regional carbon offset fund for preserving tree canopy																	
127	5. Secure addtl financing for public transit																	
128	6. Establish funding for building retrofits																	
129	VII. Regional Outreach & Education																	
130	1. Implement a regional public education campaign																	
131	2. Develop partnerships with private sector and other organizations																	
132	a) Develop partnerships and coordinate with others to develop and implement a regional public education campaign.		COG, Utilities, State Energy Offices	X					X									Yes
133	3. Support COG member outreach efforts																	
134	a) 35% of jurisdictions develop energy challenge/pledge programs (community, green business, employee) and/or encourage energy leaders programs.		Local Governments						X									Yes
135	b) 35% of jurisdictions develop green business challenges.		Local Governments						X									Yes
136	VIII. COG Climate Change Program																	
137	1. Establish COG Climate and Energy Policy Committee																	
138	2. Develop work program priorities, schedule, staffing plan, budget																	
139	3. Prepare Plan to reach 2012 and 2020 goals																	
140	4. Evaluate cost effectiveness of measures																	
141	5. Design outreach and education program																	
142	6. Track initiatives and develop advocacy positions																	
143	a) Establish advocacy subcommittee.		CEEPC, COG	X														
144	7. Develop system for tracking progress toward GHG goals and periodically review targets																	
145	8. Develop a regional standardized analytical methodology for use by individual local governments in developing their greenhouse gas emission inventories																	
146	9. Prepare annual progress report to COG Board of Directors on implementation progress for COG's Climate Change Initiative																	