2	2009-2012 Regional Climate Action Workplan					Tai	rget D	ate f			letion				
			2009		20	10		-	20	11			201	2	
	Recommendations Performance Measures	Responsible Parties	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd 4th	Emission Impact
ROW ID I	. Regional Greenhouse Gas Reduction Goals/Plans														
1	1. 2012: Reduce 10% below 2012 Business-as-Usual														
2	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).	Local Governments, COG, Community (Business and Individuals)												х	Yes
3	b) COG prepares progress report with annual updates on meeting the 2012 goal.	COG			Χ				Χ				X		
4	c) 100% of jurisdictions prepare government and community wide greenhouse gas inventories.	Local Governments								Χ					
5	d) 100% of jurisdictions prepare plan to reduce greenhouse gas emissions from government operations, including adopting a reduction target.	Local Governments										Х			Yes
6	e) 50% of jurisdictions prepare community-wide plans to reduce greenhouse gas emissions.	Local Governments										X			Yes
7	2. 2020: Reduce 20% below 2005														
8	3. 2050: Reduce 80% below 2005														
	I. Energy														
	ocal/Regional Strategies for Government and Business														
	A. Improve Energy Efficiency in Buildings														
12	1. Implement COG Green Building Policy														
13	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						х							Yes
14	b) Intergovernmental Green Building Group (IGBG) proposes COG Green Building Policy Recommendations for schools and residential buildings.	IGBG			Х										
15	2. Set energy performance goals for govt buildings, new and existing														
16	a) 80% of jurisdictions benchmark energy performance in all government buildings.	Local Governments											X		
17	3. Identify best practices to reduce local govt energy use by 15% by 2012														
18	a) 100% of jurisdictions reduce energy use by 10% below business-as-usual by 2012.	Local Governments												Х	Yes
19	b) 100% of jurisdictions submit data to COG regarding energy efficiency program implementation.	Local Governments, COG		Χ				Х				Х			
20	4. Develop incentives for retrofitting existing buildings, commercial and residential														
21	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

200	09-2012 Regional Climate Action Workplan						rget D	ate			oletion)			
			2009 2010 2011 2012												
	Recommendations Performance Measures	Responsible Parties	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	Emission Impact
22	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										
23	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
24	d) COG prepares a feasibility study on a regional financing option to support Home Energy Loan Program.	COG				Χ									
25	e) 10,000 homes retrofitted annually to achieve a 5-10 percent energy saving.	Community					Χ				Х			Х	Yes
26	f) 500-1000 homes retrofitted annually to achieve a 10-30 percent energy saving.	Community					Χ				Х			Х	Yes
27	g) 50% of jurisdictions have commercial building energy usage benchmarking requirements.	Local Governments												Х	
28	h) 250 buildings retrofitted annually to achieve a 5-10 percent energy savings.	Community					Χ				Х			X	Yes
29	i) 100 buildings retrofitted annually to achieve a 10-30 percent energy savings.	Community					Χ				Х			Х	Yes
30	5. Develop affordable energy efficiency programs for homeowners and businesses														
31	6. Promote use of energy efficient appliances														
	a) 30% of jurisdictions implement incentive programs to encourage purchase of new energy efficient	State and Local								Х					
32	appliances.	Governments, Utilities								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														
	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	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
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														

20	09-2012 Regional Climate Action Workplan		Target Date for Completion 2009 2010 2011 2012												
			2009	2009 2010						11			12		
	Recommendations Performance Measures	Responsible Parties	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd 4th	Emission Impact
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.	Local Governments, Power Purchase Groups, COG, Utilities, Green Power Providers										Х			Yes
	b) 50% of jurisdictions assist or incentivize consumer purchase of renewable energy, such as Clean Energy														
47	Rewards Program.	Local Governments										X			
48	c) 25% of consumers purchase renewable energy.	Consumers, Utilities, Green Power Providers												Х	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.	Local Governments										Х			Yes
52	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	
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.	NVRC, Local Government					Х								
55	5. Develop a regional inventory of renewable energy capacity and production, including solar, geothermal, district her	ating/cooling, wind, and biofue	els												
	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.	Wastewater Utilities, Water Resources Technical Committee										Х			Yes
59	2. Adopt industry standard protocols to quantify greenhouse gas emissions and reductions for water and wastewater	utilities													
	Transportation and Land Use														
	cal and Regional Strategies for Government and Business														
	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.	cog					Х								
66	b) 30% of jurisdictions implement the COG green fleet policy.	Local Governments												X	Yes

200	09-2012 Regional Climate Action Workplan		Target Date for Completion 2009 2010 2011 2012												
			2009		2010				201	1			201	2	
	Recommendations Performance Measures	Responsible Parties	4th	1st	2nd	3rd	4th	. st	2nd	3rd	4th	1st	2nd	3rd 4th	Emission Impact
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											Х		Yes
69 B. F	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.	ТРВ													
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								Х					
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, Communter 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								х					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. T	ravel Efficiency														
84	1. Adopt best practices for traffic engineering improvements and road management to reduce VMT and congestion														
	a) 60% of jurisdictions adopt best practices for traffic engineering improvements and road management to	Local Governments, DOTs,								Х					
85	reduce VMT and congestion.	ТРВ								^					Yes
86	2. Implement the Metropolitan Area Transportation Operations Coordination Program														
87	3. Enforce existing idling regulations														

Recommendations Performance Measures Responsible Parties 88 4. Explore opportunities to reduce emissions from the aviation sector. MWAA, C.O.G., Federal, State, and Local Government 90 S. Explore opportunities to reduce emissions from the relight sector 91 178 179 199 100 1 Develop plan to meet goal of increased tree canopy 94 95 96 1 Develop plan to meet goal of increased tree canopy 95 96 97 98 1 C. S. Explore opportunities to reduce emissions from the freight sector 97 98 99 1 Levelup plan to meet goal of increased tree canopy 99 90 90 90 90 90 90 90 90 90 90 90 90	Emission
88 4. Explore opportunities to reduce emissions from the aviation sector. 89 a) Explore opportunities to reduce emissions from the aviation sector. 90 5. Explore opportunities to reduce emissions from the freight sector 91 a) TPB adopts goals to reduce emissions from the freight sector, including considerations of shifting freight from trucks to rail. 92 D. Land Use 93 1. Develop plan to meet goal of increased tree canopy 94 a) CGG and local governments prepare regional plan to meet goal of increased tree canopy. 95 2. Evaluate Leadership in Energy and Environmental Design for Neighborhood Development (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 a) 30% of jurisdictions integrate greenhouse gas analyses into comprehensive planning for major new transportation and dren new capital projects. 99 Explore opportunities to reduce emissions from the aviation sector. X 2 2 3 3 4 3 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5	
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COG, Universities, Private Sector, State and Federal Government Sovernment So	
Sector, State and Federal Government Governm	
a) Evaluate impact of climate change on one or more sectors, including water, air, energy, and public safety. Government	
108 2. Partner with universities and private sector to research climate change and adaptation strategies	
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 a) COG holds general and sector-specific adaptation workshops.	
113 V. Economic Development	
114 1. Promote green business & green jobs	·
115 a) 100% of jurisdictions promote green business & green jobs. Local Governments	
116 2. Promote eco-business zones	
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 a) COG expands DC Green Jobs Analysis to the Region.	

2	009-2012 Regional Climate Action Workplan					Targ	get Da	te fo	r Co	mple	etion											
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	December 1985	Barrier H. I. Barrier	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	Emission							
422.4	Recommendations Performance Measures	Responsible Parties	4		7	က	4	_	7	က	4	~	7	ω 4	Impact							
	I. Financing Mechanisms																					
123	Evaluate financing mechanisms for energy efficiency projects (energy fee, tax, other) Tatablish a clear energy find																					
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																					
	II. Regional Outreach & Education																					
130	Implement a regional public education campaign																					
131	2. Develop partnerships with private sector and other organizations																					
	a) Develop partnerships and coordinate with others to develop and implement a regional public education	COG, Utilities, State Energy	Х					〈														
132	campaign.	Offices													Yes							
133	3. Support COG member outreach efforts																					
	a) 35% of jurisdictions develop energy challenge/pledge programs (community, green business, employee)							〈							.,							
134	and/or encourage energy leaders programs.	Local Governments													Yes							
135	b) 35% of jurisdictions develop green business challenges.	Local Governments						(Yes							
	III. 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	Х																			
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 the	ir greenhouse gas emission inv	entories	5																		
146	9. Prepare annual progress report to COG Board of Directors on implementation progress for COG's Climate Change	Initiative																				