

2010-2012 Regional Climate and Energy Action Workplan

Highlighted items are not included in 2013-2016 Action Plan or Task List.

| ROW ID | I. Regional Greenhouse Gas Reduction Goals/Plans | COMMENTS - Numbers refer to relevant action item in 2013-2016 plan |
|--------|---|---|
| 1 | 2012 GOAL: Reduce Greenhouse Gas Emissions to 2005 Levels | |
| 2 | | |
| 3 | Regional Plan to Meet 2012 Goal | |
| 4 | Prepare plan to reduce greenhouse gas emissions in the region to 2005 levels by 2012. | Task List |
| 5 | Identify work program priorities for the calendar year. | Task List |
| 6 | | |
| 7 | Inventories | |
| 8 | Provide technical support to individual local governments for developing greenhouse gas emission inventories (including fact sheets, calculators, and workshops focused on activity data, emission factors, and protocols/methodologies). | Task List |
| 9 | 50% of jurisdictions prepare government and community wide greenhouse gas inventories. | Completed for Govt Inventories |
| 10 | 100% of jurisdictions prepare government and community wide greenhouse gas inventories. | #1-2 |
| 11 | | |
| 12 | Local Climate and Energy Plans | |
| 13 | 50% of jurisdictions prepare plan to reduce greenhouse gas emissions from government operations, including adopting a reduction target. | #3 |
| 14 | 100% of jurisdictions prepare plan to reduce greenhouse gas emissions from government operations, including adopting a reduction target. | duplicate |
| 15 | 50% of jurisdictions prepare community-wide plans to reduce greenhouse gas emissions. | #4 |
| 16 | 100% of jurisdictions prepare community-wide plans to reduce greenhouse gas emissions. | Removed |
| 17 | Adopt plans to reduce emissions from the aviation sector, including adopting a reduction target. | Removed |
| 18 | Evaluate cost effectiveness of key actions to meet the 2012 goal. | Task List |
| 19 | | |
| 20 | Tracking and Reporting | |
| 21 | Develop system for tracking progress toward greenhouse gas reduction goals and periodically review targets. | Task List |
| 22 | Provide progress reports for use by COG in developing annual regional progress report on work plan implementation. | Task List |
| 23 | Prepare annual progress report on meeting the 2012 goal and associated work plan targets. | Task List |
| 24 | | |
| 25 | Other Activities | |
| 26 | Prepare regional economic development plan to include consideration of green jobs assessment. | Removed |
| 27 | | |
| 28 | Mid-Term Reduction Targets | |
| 29 | 2020 Goal: Reduce Greenhouse Gas Emissions 20% below 2005 Levels | |
| 30 | Adopt plan to meet 2020 Goal. | Task List |

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| 31 | II. Energy | |
| 32 | | |
| 33 | A. Energy Efficiency | |
| 34 | | |
| 35 | Green Building Policy | |
| 36 | 100% of jurisdictions adopt and implement COG Green Building Policy (e.g., 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. Adopted by COG Board in November, 2007). | Modified - #25 |
| 37 | Propose Green Building Policy Recommendations for schools and residential buildings. | Removed |
| 38 | Evaluate and develop recommendations for enhancements to building codes for energy efficiency. | Ongoing, Task List |
| 39 | Evaluate and develop green affordable housing policy and program recommendations. | Task List |
| 40 | Promote neighborhood scale green design and smart growth principles. | Modified - #30 |
| 41 | | |
| 42 | Municipal Energy Conservation | |
| 43 | 100% of jurisdictions reduce energy use by 10% below business-as-usual by 2012 (return to 2005 levels). | |
| 44 | 60% of jurisdictions implement a program to replace older street lights with new more efficient technology. | Modified - #10 |
| 45 | 50% of jurisdictions use energy performance contracting in at least one building retrofit project. | Removed |
| 46 | 3 regional projects implemented for LEED-EB Operations and Maintenance. | Completed |
| 47 | | |
| 48 | Building Benchmarking | |
| 49 | 80% of jurisdictions track and benchmark energy performance in all government buildings. | Modified - #6 |
| 50 | 60% of jurisdictions disclose energy performance in all government buildings. | #5 |
| 51 | 50% of jurisdictions have commercial building energy usage benchmarking requirements. | Removed |
| 52 | | |
| 53 | Energy Challenge Programs | |
| 54 | 35% of jurisdictions develop energy challenge/pledge programs (community, citizens) and/or encourage energy leaders programs. | #65 |
| 55 | 35% of jurisdictions develop green business challenges or certifications (businesses, employees). | #66 |
| 56 | Financing and Supporting Energy Efficiency Investments | |
| 57 | Standardize training and certification of energy auditors and home and building energy retrofit and conservation contractors, facilitating reciprocity across the region. | Removed |
| 57a | Continue to promote training and certification of energy auditors. | Task List |
| 58 | Prepare a matrix of financing options and recommendations for innovative financing programs for energy efficiency for single and/or multifamily homes. | Completed |
| 58a | Track and advocate actions to overcome federal obstacles to municipal financial programs. | Task List |
| 60 | Prepare report on barriers to invest in energy conservation in three communities (1 in each state) and what utilities can do to assist in removing barriers. | Task List |
| 61 | One jurisdiction establishes home energy loan program or other innovative municipal financing program for building retrofits. | Completed |
| 62 | 35% of jurisdictions develop and implement Home Energy Loan Program. | Modified - #21-22 |

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| 63 | 30% of jurisdictions, in cooperation with their state energy offices, promote or provide incentive programs to encourage purchase of new energy efficient appliances. | Modified - #67 |
| 64 | 30% of jurisdictions partner with utilities to implement smart grid technology. | Removed |
| 65 | | |
| 66 | Building Retrofits | |
| 67 | 1,500 residential units retrofitted annually. | Removed |
| 69 | 250 commercial buildings retrofitted annually. | Removed |
| 72 | | |
| 73 | Green Purchasing Policies | |
| 74 | 60% of jurisdictions adopt green purchasing policies. | #49 |
| 75 | 50% of jurisdictions participate in a regional/subregional cooperative green purchasing program. | Task List |
| 76 | B. Renewable Energy | |
| 77 | | |
| 78 | Renewable Energy Purchases | |
| 79 | 100% of jurisdictions purchase or consume 10 percent renewable energy. | Modified - #17-18 |
| 80 | 50% of jurisdictions, in collaboration with state energy offices, assist or provide incentives for consumer purchase of renewable energy (e.g., Montgomery County Clean Energy Rewards Program). | Modified - #64 |
| 81 | 25% of utility consumers purchase a portion of their energy consumption from renewable energy. | Removed |
| 83 | | |
| 84 | Renewable and Cleaner Energy System Installations | |
| 84a | Evaluate the economic and environmental benefits of integrated community energy solutions, including focus on promoting effective use of waste heat and combined heat/power solutions in the region. | Modified - #12 |
| 84b | At least two jurisdictions evaluate potential for including integrated community energy solutions in development projects. | Modified - #12 |
| 85 | Develop a regional inventory of renewable and cleaner energy capacity and production, including solar, geothermal, district heating/cooling, wind, and biofuels | Task List |
| 86 | 75% of local governments deploy renewable energy technology. | Modified - #15 |
| 87 | Implement one regional pilot project promoting a renewable energy park. | Modified - #16 |
| 88 | 1000 residential, commercial, or government buildings have renewable energy systems installed. | Completed |
| 89 | 5000 residential, commercial, or government buildings have renewable energy systems installed. | #14 |
| 90 | 10000 residential, commercial, or government buildings have renewable energy systems installed. | Removed |
| 91 | | |
| 92 | Financing and Supporting Renewable and Cleaner Energy | |
| 93 | Develop a matrix of options for financing renewable and cleaner energy projects. | Task List |
| 94 | All state and local jurisdictions remove barriers to implementing renewable and cleaner energy by the private sector, e.g., solar panels. | Task List |
| 95 | | |
| 96 | C. Other Sectors | |
| 97 | Increase diversion rate (percent of waste diverted from landfills/incinerators) from 30% to 40% ^b . | Modified - #60 |
| 98 | 100% of wastewater facilities identify best practices to reduce methane and biosolids from wastewater treatment and evaluate feasibility through cost/benefit analysis of potential actions. | Removed |

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| 99 | III. Transportation and Land Use | |
| 100 | | |
| 101 | A. TPB Work Program Activities | |
| 102 | | |
| 103 | Prepare Greenhouse Gas Emission Inventories | |
| 104 | Prepare regional transportation greenhouse gas inventories and forecasts for all milestone years. | Completed |
| 105 | | |
| 106 | Evaluate Greenhouse Gas Emission Reduction Measures | |
| 107 | Perform cost-effectiveness and cost-benefit analyses of transportation and land use greenhouse gas emission reduction measures (e.g., fuel efficiency, alternative fuels, travel efficiency including land use). | Completed |
| 108 | | |
| 109 | Identify Emission Reduction Strategies | |
| 110 | Identify cost effective strategies for implementation. | Completed |
| 111 | | |
| 112 | Conduct Metropolitan Planning Process | |
| 113 | Conduct continued regional metropolitan planning process that includes consideration of greenhouse gas emissions; continue ongoing activities and incorporate MPO planning requirements from pending federal climate change and transportation legislation once enacted. | Task List |
| 114 | | |
| 115 | B. Local and Regional Strategies | |
| 116 | | |
| 117 | Green Fleet Policy | |
| 118 | COG adopts green fleet policy that includes accelerated implementation of federal CAFE Standards/GHG emission standards for local government fleets. | Removed |
| 119 | 30% of jurisdictions have developed and implemented a green fleet policy. | Completed |
| 120 | 50% of jurisdictions have developed and implemented a green fleet policy. | Modified - #37 |
| 121 | 50% of jurisdictions implement alternative fuel infrastructure projects needed to support alternative fuel vehicle technology implementation (e.g., natural gas, biofuel, hydrogen, electricity). | Modified - #36 |
| 122 | | |
| 123 | VMT/Capita Reduction Programs | |
| 124 | 100% of jurisdictions implement programs to meet the Region Forward target to reduce VMT per capita ^(b) . | Region Forward |
| 125 | 60-70% of jurisdictions implement parking policies that reduce VMT. | Modified - #38 |
| 126 | 60% of jurisdictions adopt best practices for traffic engineering improvements and road management to reduce greenhouse gases. | |
| 127 | Promote Use of Transit and Multimodal Options | |
| 128 | 100% of transit agencies promote the increased use of existing transit capacity. | |
| 129 | 80% of jurisdictions implement programs to expand commuter options (telework, car sharing, bicycle/pedestrian, financial incentives). | Modified - #34-35 |

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| 130 | | 100% of jurisdictions develop plans to meet the Region Forward target to increase the rate of construction of bike and pedestrian facilities included in the Transportation Planning Board's plan ^(b) . | Region Forward |
| 131 | | 100% of jurisdictions implement programs to meet the Region Forward target to increase the share of walk, bike, and transit trips ^(b) . | Region Forward |
| 132 | | 100% of jurisdictions implement programs to meet the Region Forward target of ensuring that all Regional Activity Centers will have transit accessibility (bus or rail) ^(b) . | Region Forward |
| 133 | | 100% of jurisdictions develop plans to meet the Region Forward target to direct transportation investments that link Regional Activity Centers ^(b) . | Region Forward |
| 134 | | | |
| 135 | | Increase Green Infrastructure | |
| 136 | | 75% of local governments prepare plans to increase tree canopy. | Modified - #43-47 |
| 137 | | Prepare regional plan to increase tree canopy. | In Progress, Task List |
| 137a | | Develop local and regional plans to increase food production and distribution in the region. | Modified - #52-54 |
| 138 | | Develop plans to meet the Region Forward target to maintain more than 450,000 acres of agriculture land in farms ^(b) . | Region Forward |
| 139 | | 100% of jurisdictions develop plans to meet the Region Forward target to identify, conserve, and enhance a network of protected open spaces, parks, and green infrastructure ^(b) . | Region Forward |
| 140 | | | |
| 141 | | Land Use and Comprehensive Planning | |
| 142 | | 80% of jurisdictions promote transit-oriented development/Concentrate future growth in Regional Activity Centers. | Modified - #30 |
| 143 | | 100% of jurisdictions meet the Region Forward targets for growth (75% of commercial square feet and 50% of households) occurring in Regional Activity Centers ^(b) . | Region Forward |
| 144 | | Develop methodologies to assist local governments consider greenhouse gas emission impacts of land use and transportation decisions in local comprehensive planning and project reviews. | Task List |
| 145 | | 50% of jurisdictions integrate considerations of greenhouse gas emission impacts of land use and transportation decisions into comprehensive planning and project reviews. | Removed |
| 146 | | | |
| 147 | | Reduce Idling | |
| 148 | | 100% of jurisdictions have idling regulations and enforce them, as reflected through review of citations and education/outreach. | #33 |
| 152 | | IV. Adaptation | |
| 153 | | Research climate change and adaptation strategies, including lessons learned from other regions and regional adaptation options. | Ongoing, Task List |
| 154 | | Hold adaptation workshops (topics to address: sector-specific, results of research findings and recommendation, potential regional adaptation strategies). | Ongoing, Task List |
| 155 | | Evaluate complete impact (e.g., environmental, financial, other) of climate change on one or more sectors (such as water, wastewater, air, energy, public health, public safety). | Ongoing, Task List |
| 156 | | Develop draft regional adaptation plan. | Draft EPA Guidebook Completed |

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| 157 | V. Outreach & Education | |
| 158 | Regional Climate and Energy Public Education Campaign | |
| 159 | Develop partnerships to fund and implement a regional climate and energy public education campaign. | Removed |
| 160 | Conduct stakeholder identification and analysis for outreach campaign, implement regional survey to assess awareness. | Completed |
| 161 | Develop targeted public education campaign materials, including press packs and social marketing campaign materials. | Completed |
| 162 | Implement regional pilot public outreach and education campaign. | Completed |
| 163 | Implement regional public outreach and education campaign. | Removed |

Note: ^(a) Recommendations and Performance Measures are intended for those jurisdictions where implementing authority exists.

Acronyms Used in this document:

CEEPC – COG’s Climate, Energy and Environment Policy Committee

COG – Metropolitan Washington Council of Governments

EAC – COG’s Energy Advisory Committee (supporting technical committee to CEEPC)

EPA – U.S. Environmental Protection Agency

ESCOs – Energy Service Companies (perform energy audits and retrofits, usually with financial guarantees)

ICLEI – International Association of Local Governments for Sustainability

IGBG – COG’s Intergovernmental Green Building Group (supporting technical committee to CEEPC)

LEED – U.S. Green Building Council’s green building standard “Leadership in Environmental and Energy Design”

LEED-EB – LEED standard for existing buildings.

LEED-ND – LEED standard for neighborhood development

MATOC – Metropolitan Area Transportation Operations Coordination program (MATOC is a regional program to enhance the availability of real-time

MDPC – COG’s Metropolitan Development Policy Committee (policy advisory committee to COG Board of Directors; COG’s lead committee for impler

MPO – Metropolitan Planning Organization as defined in federal transportation law. The TPB (see below) is the MPO for the National Capital Region.

RESNET – Residential Energy Services Network; formed by the National Association of State Energy Officials and Energy Rated Homes of America to d

TPB – National Capital Region Transportation Planning Board (regional transportation metropolitan planning agency housed at COG)

WRI – World Resources Institute