



National Capital Region 2013-16 Climate & Energy Action Plan

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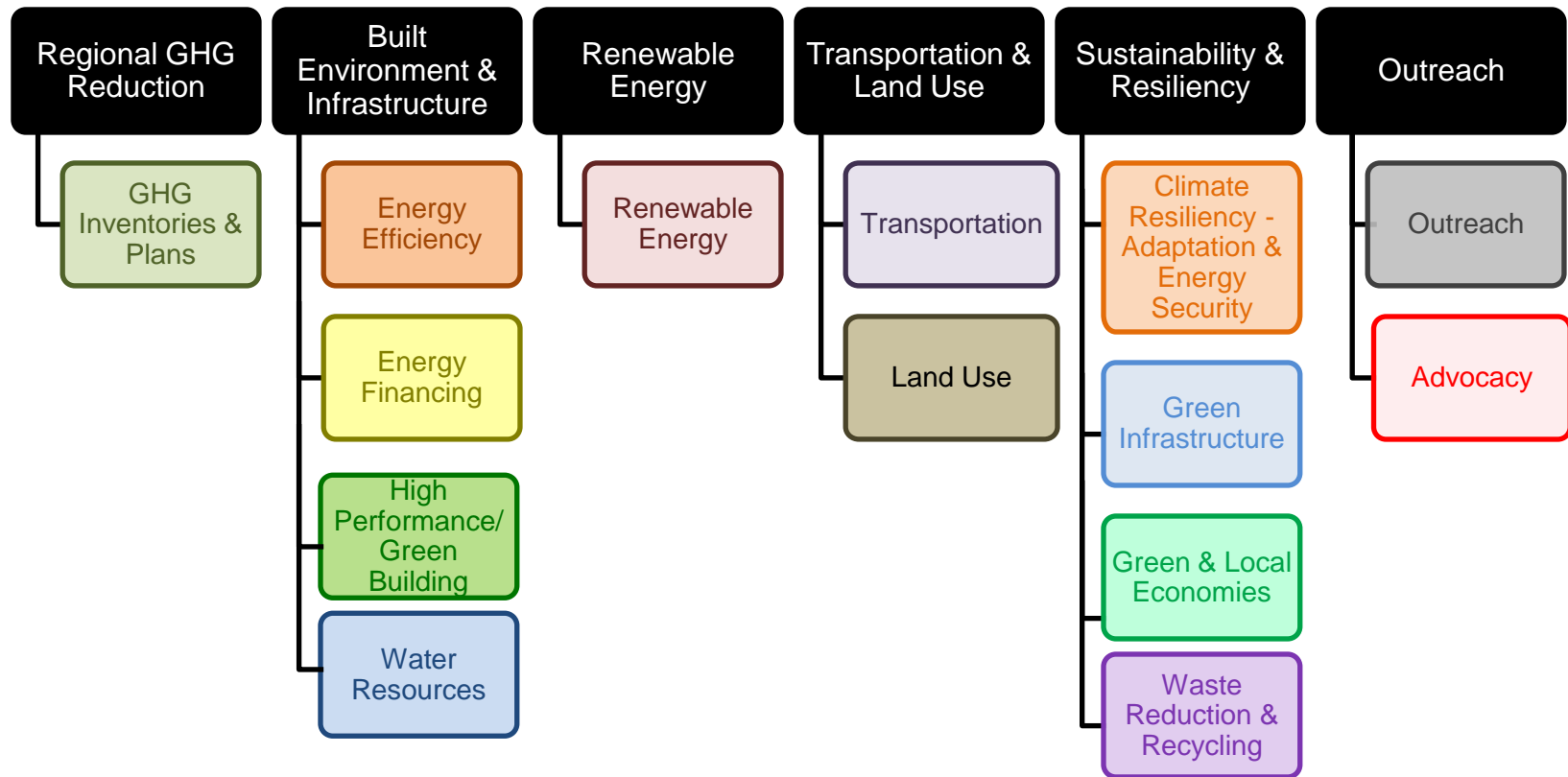


Climate and Energy Action Plan Goals

6 GOALS – 59 ACTIONS

- **REGIONAL GREENHOUSE GAS REDUCTION**
- **BUILT ENVIRONMENT AND INFRASTRUCTURE**
- **RENEWABLE ENERGY**
- **TRANSPORTATION AND LAND USE**
- **SUSTAINABILITY AND RESILIENCY**
- **OUTREACH**

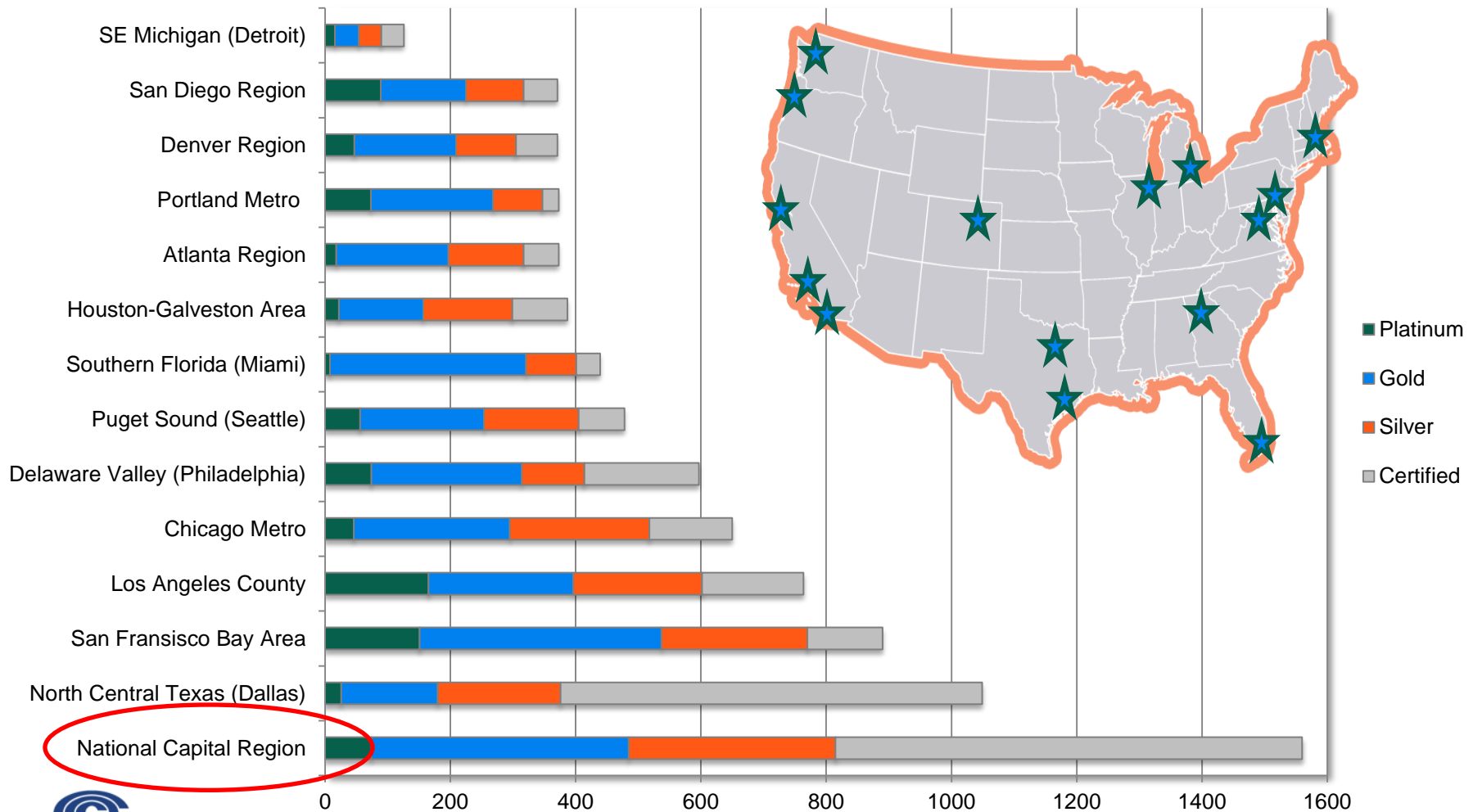
Climate and Energy Action Plan Work Areas



Climate and Energy Action Plan Results

Implementation Action	Percent Implemented or In Progress		
	Target	2011	2013
REGIONAL GREENHOUSE GAS REDUCTION			
Government GHG inventory	100	73	77
Community GHG inventory	100	59	68
BUILT ENVIRONMENT AND INFRASTRUCTURE			
Government energy tracking and benchmarking	100	73	95
Energy Efficiency & Renewable Financing Programs	50	27	45
Green building policy	100	64	64
RENEWABLE ENERGY			
Renewable energy on government property	100		82
EPA Green Power Partner	75		50
EPA Green Power Community	25		23
TRANSPORTATION AND LAND USE			
Green fleet policy	75	68	73
SUSTAINABILITY AND RESILIENCY			
Assess Community Vulnerability	40		41
Develop Community Resiliency Strategy	40		32
OUTREACH			
Community Energy Challenge	50	57	50
Green Business Challenge	50	27	41
Promote EERE Initiatives	75	23	55
Green purchasing policies	75	59	64

Regional Comparison – LEED Certified Buildings



Region	Number of Green Power Partners	Green Power (kWh)	Regional Comparison - EPA Green Power Partners
South Florida (Miami)	3	17,490,486	Intercontinental Hotel
Southern Michigan (Detroit)	5	18,187,280	General Dynamics Land Systems Central Office
San Diego Region	6	50,342,606	City of San Diego
Atlanta Region	8	121,267,914	Coca-Cola
Houston-Galveston Area	10	653,099,719	City of Houston
Los Angeles County	15	74,328,741	Los Angeles World Airports
Puget Sound (Seattle)	19	2,090,093,464	Microsoft
Denver Region	25	228,268,191	White Waves Food Company
North Central Texas (Dallas)	30	652,943,953	City of Dallas, Dallas-Fort Worth Airport
Oregon Metro (Portland)	34	191,016,670	Port of Portland, City of Portland
Delaware Valley (Philadelphia)	38	862,964,426	TD Bank, University of Pennsylvania
Chicago Metro	42	1,186,652,530	Metro Pier and Exposition Auth, Chicago Public Schools
Boston Region	44	1,406,862,293	Staples, State Street Corporation
San Francisco Bay Area	80	5,491,057,765	Intel, Google, Apple, Cisco
National Capital Region	103	3,389,656,517	Federal Agencies, District of Columbia

Energy & Climate Action Plan Tool Kit

National Capital Climate

Prepared by the Climate
Metropolitan Washington

Adopted November 2013

* Indicates a goal that is

**Status indicates the pe
are based on the COG an

REGIONAL GREENHOUSE

Goal: To reduce the re

Implementation Action

Greenhouse Gas (GHG)	
1	100% of jurisdiction
2	100% of jurisdiction
3	100% of jurisdiction
4	75% of jurisdictions

BUILT ENVIRONMENT

Goal: To reduce non-tr
region's greenhouse ga

Implementation Action

Energy Efficiency	
5	100% of jurisdiction buildings.
6*	75% of jurisdiction Sharing.
7*	75% of jurisdiction
8*	75% of jurisdiction
9*	75% of jurisdiction facilities.
10*	50% of jurisdiction pledging to reduc
11*	50% of jurisdiction outdoor lighting ii signage.
12*	At least 6 jurisdict including active or and/or microgrid
13*	2% of households Program (HPwES)

SUSTAINABLE
Climate

37) 40%

Goal
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Goal

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National Climate Program

October 2

Prepared by the
Metropolitan Wa
Climate, Energy

Gold State and Initiative

Prepared by the
Metropolitan Wa
Metropolitan Wa

Building a Climate Resilient National Capital Region

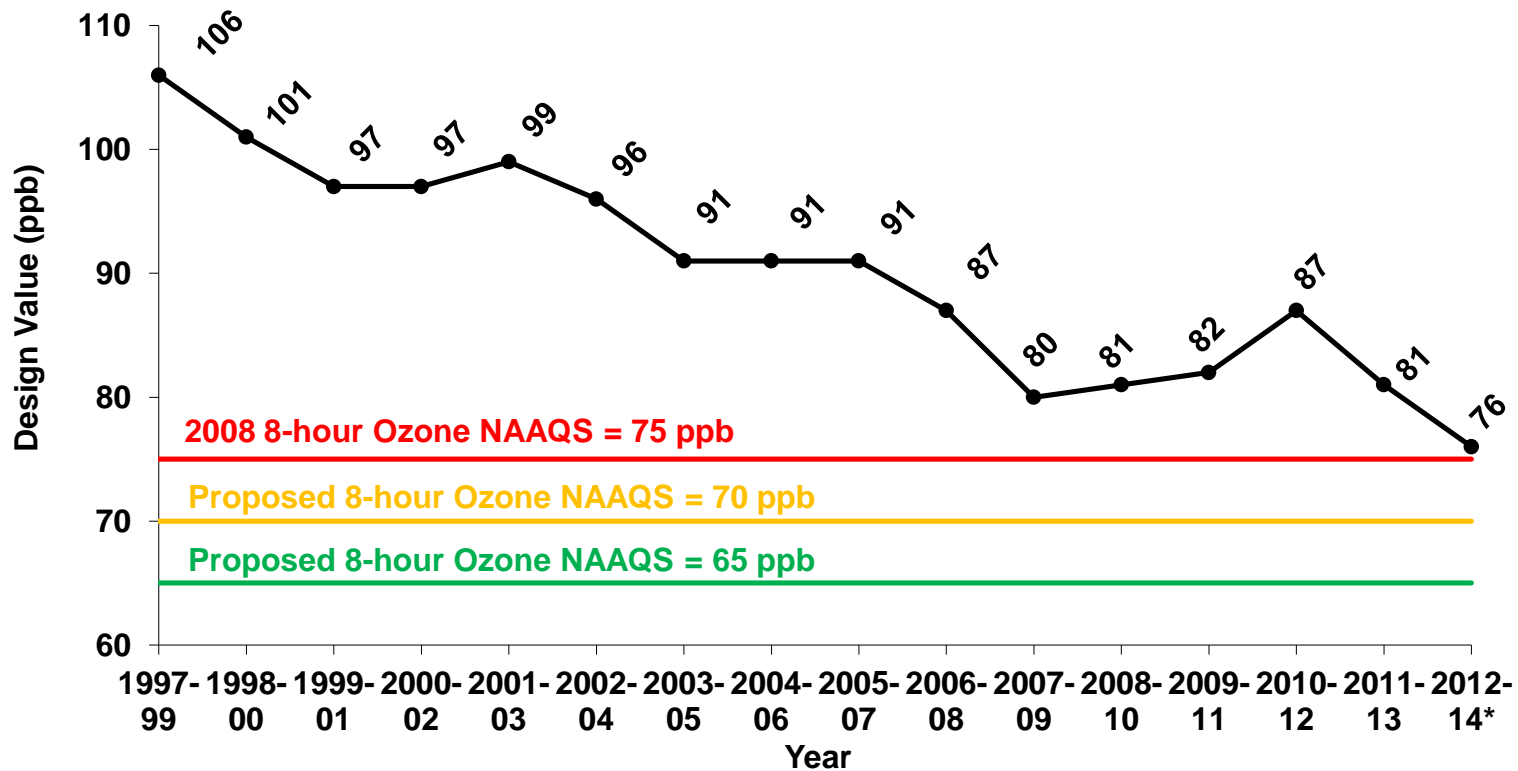
Federal and community agencies working together
on climate preparedness and resilience.

Summary of Climate Change Vulnerability and Adaptation Workshop Results
Built Systems: September – December 2013
Workforce, Community and Natural Systems: February - April 2014



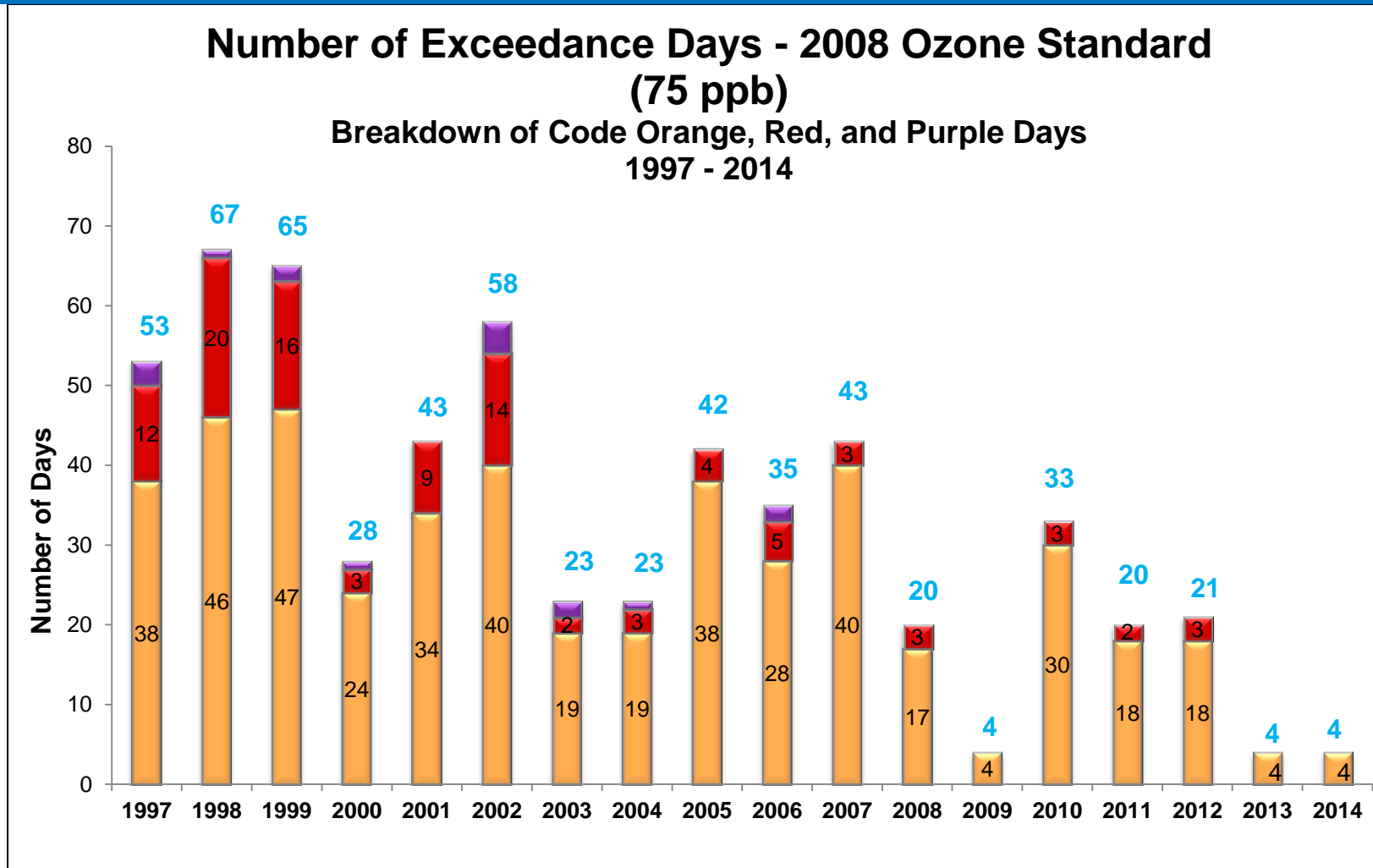
Air Quality Improvements – Ozone Washington Region

**8-hour Ozone Design Value
Washington, DC-MD-VA Ozone Nonattainment Area
(1999-2014)**



* Design value = 3-year average of 4th highest daily maximum 8-hour average ozone concentrations. *2014 data is preliminary and

Air Quality Improvements – Ozone Washington Region



•2014 analysis is based on draft data as of September 24, 2014 and is subject to change.

Supplemental Information – Energy & Climate Action Plan Local Results

Local Government	2013 Census Population Estimate ¹	Energy Improvement Plan - Govt Operations	Walk-Through Energy Audits	EPA Green Power Partner	EPA Green Power Community	Employee Commute Option Program	Complete Streets Policy	Green Streets Policy	Assess Community Vulnerability	Develop Community Resiliency Strategies	Promote EERE Incentives	Employee Sustainability Education
District of Columbia	646,449	✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓	✓	✓	✓✓
Suburban Maryland												
Charles County	152,864	✓✓	-	NR	NR	✓✓	✓	-	-	-	✓	✓
Frederick County	241,409	NR	NR	NR	NR	✓✓	-	NR	NR	NR	✓	NR
City of Frederick ²	66,893	-	-	-	-	-	✓	-	-	-	✓	-
Montgomery County	1,016,677	✓	✓	NR	NR	NR	NR	NR	-	-	✓✓	NR
City of Gaithersburg ²	65,690	-	✓✓	✓✓	-	-	N/A	N/A	-	-	✓✓	-
City of Rockville ²	64,072	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	-	-	-	✓✓	✓
City of Takoma Park ²	17,721	✓	✓✓	-	-	-	-	-	✓	✓	✓	-
Prince George's County	890,081	✓✓	✓✓	N/A	N/A	✓	✓✓	✓✓	✓	-	✓✓	✓✓
City of Bowie ²	56,759	✓✓	-	-	-	-	-	-	✓✓	✓	✓	✓
City of College Park ²	31,274	✓	✓✓	✓✓	✓✓	✓✓	-	-	-	-	-	✓
City of Greenbelt ²	23,753	✓	✓	✓✓	✓	-	N/A	N/A	N/A	N/A	✓	-
Town of Bladensburg ²	9,433	NR	NR	NR	NR	✓	NR	✓	-	-	N/A	-
Northern Virginia												
Arlington County	224,906	✓	✓✓	✓✓	-	✓✓	✓✓	-	✓	✓	✓✓	✓✓
Fairfax County	1,130,924	✓✓	✓✓	✓✓ (past current)	-	✓✓	✓✓	✓	✓✓	✓	✓✓	✓✓
Loudoun County	349,679	-	✓	-	-	✓✓	-	-	-	-	-	✓✓
Prince William County	438,580	✓	✓	✓	-	✓✓	N/A	N/A	-	-	-	✓
City of Alexandria	148,892	✓✓	✓✓	✓✓	-	✓✓	✓✓	-	✓	✓	✓✓	✓
City of Fairfax	23,973	✓	✓✓	-	-	-	-	-	✓	-	✓	✓
City of Falls Church	13,508	NR	NR	✓✓	✓✓	NR	✓	NR	NR	NR	-	NR
City of Manassas	41,705	✓	✓✓	-	-	N/A	✓✓	✓✓	-	-	✓	-
City of Manassas Park	16,149	-	✓	NR	NR	✓	-	-	-	-	-	-
Percent Jurisdictions Implemented		27%	50%	41%	18%	45%	32%	14%	9%	0%	32%	23%
Percent Jurisdictions In Progress		41%	23%	5%	5%	14%	14%	9%	27%	27%	41%	32%
Implemented + In Progress		68%	73%	45%	23%	59%	45%	23%	36%	27%	73%	55%
CEEPC Action Plan Goal		75%	75%	75%	25%	75%	75%	50%	40%	40%	75%	50%

✓✓ = Implemented ✓ = In progress - = Not Started N/A = Not Applicable NR = No Response