

Briefing Materials for Land-Use Working Group Meeting

Paul DesJardin, Director
Department of Community Planning & Services

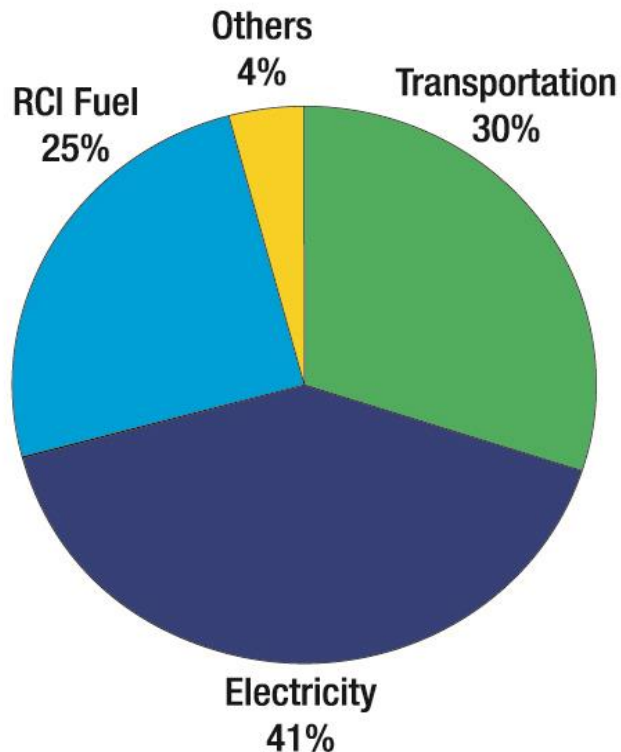
February 20, 2015



22 JURISDICTIONS 5+ MILLION PEOPLE 300 ELECTED OFFICIALS

Greenhouse Gas Emissions Inventory

Metropolitan Washington Greenhouse Gas Emissions: 2005



Total – 74 million metric tons in 2005

Per Capita = ~ 15 metric tons per capita/year



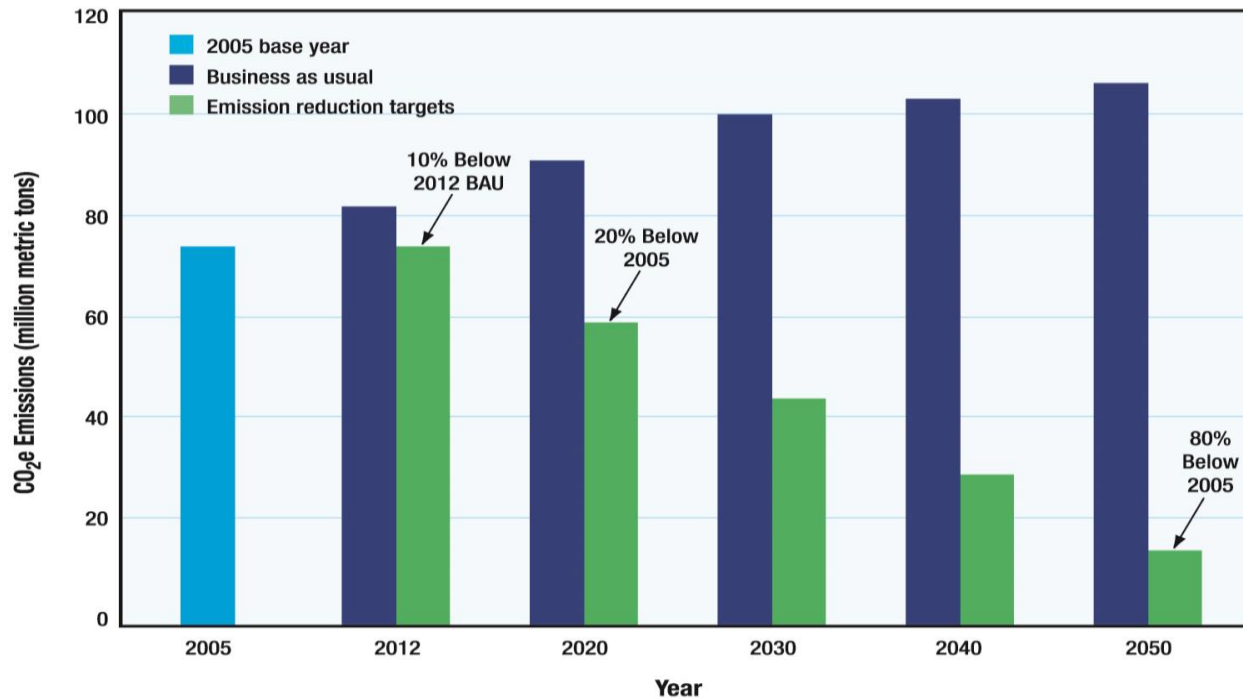
Adopted Regional Reduction Goals

2012: Return to 2005 Levels

2020: 20% Below 2005

2050: 80% Below 2005

Recommended Regional Greenhouse Gas Emission Reduction Targets Compared to Regional Greenhouse Gas Emissions Under BAU: 2005–2050



COG Targets

- 2012: 10% below BAU
- 2020: 20% below 2005 levels
- 2050: 80% below 2005 levels

COG 2008 Climate Change Report

Table ES-1. Recommendations: Summary and Qualitative Assessment

B. Reduce Vehicle Miles Traveled (VMT)

- Promote Transit-oriented Development

D. Improve Land Use:

- Develop plan to meet goal of increased tree canopy.
- Evaluate LEED-ND standard for new development
- Carefully plan the location and design of new, infill, and redevelopment projects.
- Integrate GHG analyses into comprehensive planning and new capital projects

Potential Land-Use Strategies to Address Climate Change

Macro-level strategies could include:

- Increasing the compactness of metropolitan areas;
- Focusing regional development around transit networks; and
- Providing a sub-regional balance of jobs and housing, so that individuals do not need to commute long distances.

Source: Transportation and Global Climate Change, Section 5: Strategies, http://www.fhwa.dot.gov/environment/glob_c5.pdf

Summary of Round 8.3 Cooperative Forecasts

COG / TPB Planning Area

(Thousands)

	<u>2015</u>	<u>2040</u>	2015 to 2040	
			<u>Number</u>	<u>Percent</u>
Employment	3,253.1	4,386.7	1,133.6	36.9%
Population	5,362.9	6,682.2	1,319.3	26.1%
Households	2,014.4	2,560.3	546.0	29.0%

2013 Activity Centers Update

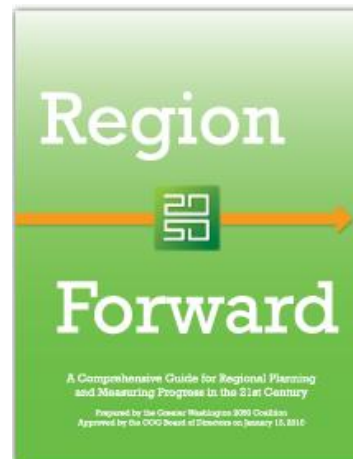
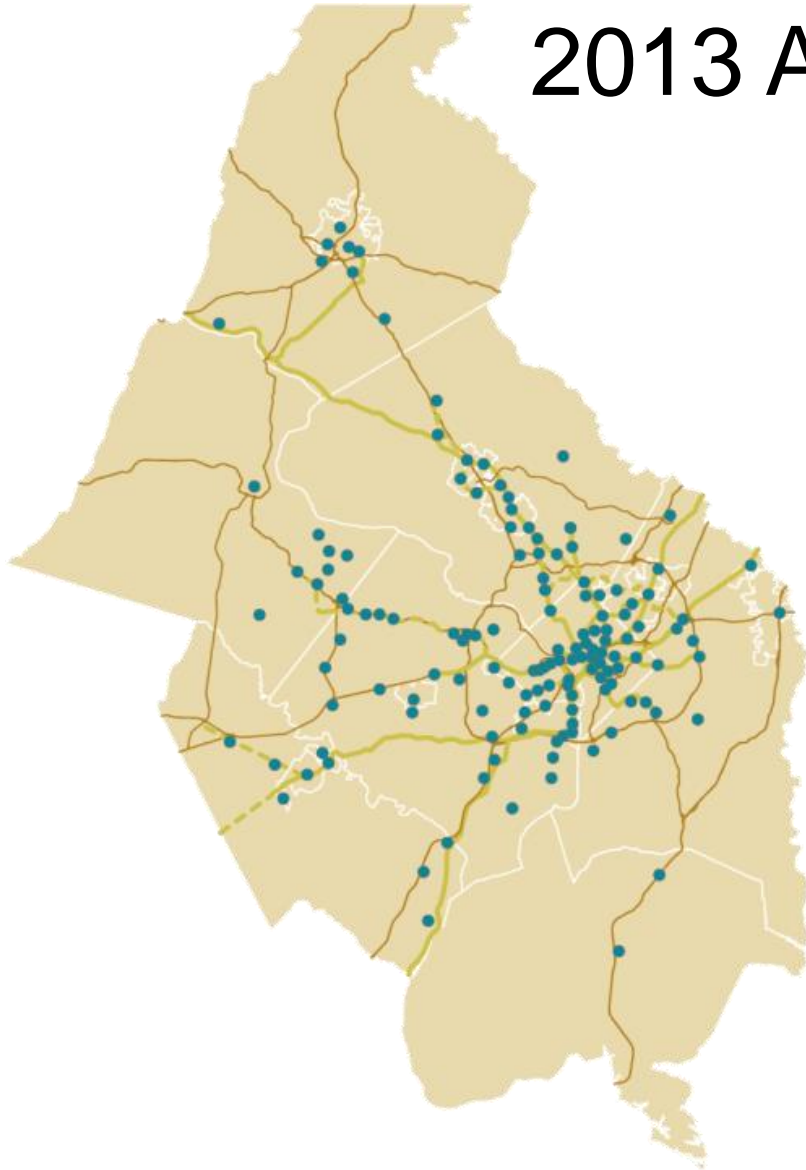
141 Activity Centers

Places targeted for regional growth

Consistent with local planning

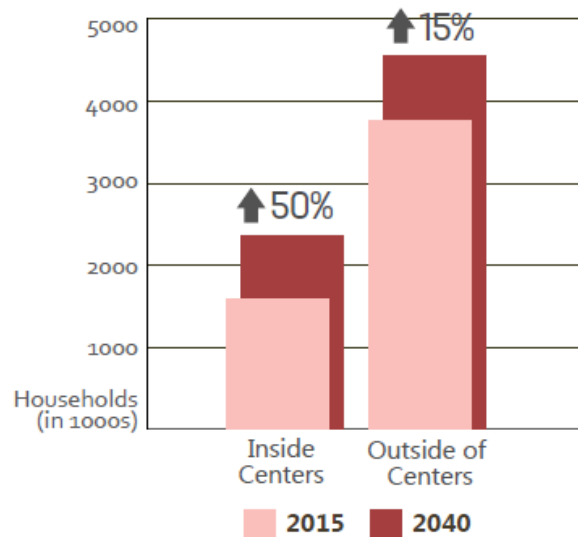
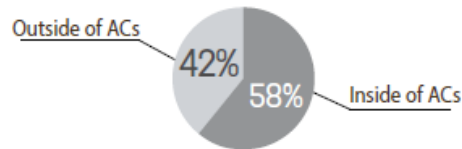
Mixed-use

Aligned with existing/planned
transportation network

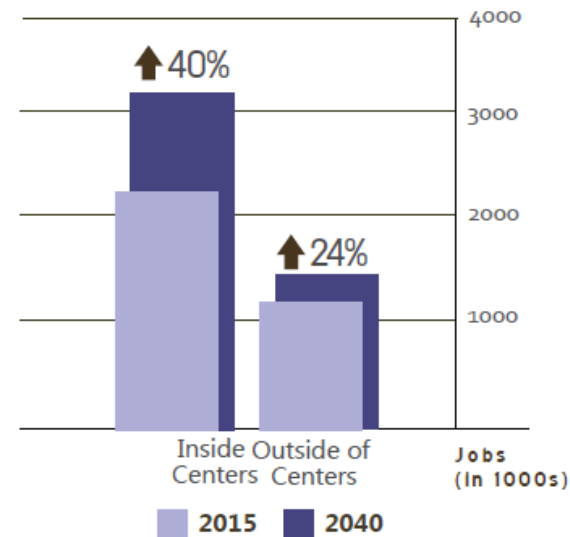
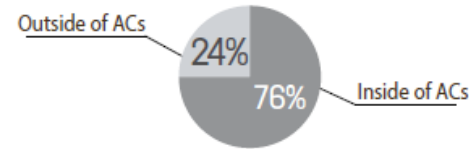


Forecast Growth in Activity Centers: Round 8.3 Cooperative Forecasts

Population
1,320,000 New People



Jobs
1,134,000 New Jobs



Potential Land-Use Strategies to Address Climate Change

Micro-level strategies could include:

- Increasing density and mix of uses to provide opportunities for pedestrian trips, trip-chaining, and transit access;
- Orienting higher-density development around commercial centers, transit lines, and community facilities to encourage non-motorized trips; and
- Supporting pedestrian and bicycling activity through facilities for non-motorized modes such as sidewalks and bike lanes, urban design improvements, and traffic calming.

Source: Transportation and Global Climate Change, Section 5: Strategies, http://www.fhwa.dot.gov/environment/glob_c5.pdf

Potential Land-Use Strategies to Address Climate Change

Possible tools:

- Site-based tools – developer incentives, zoning requirements, development standards (density standards, requirements for mixed uses, grid street requirements; area or sector plans); and
- Regional planning tools – urban growth boundaries, concurrency requirements, and location efficient mortgages (LEMs).

Source: Transportation and Global Climate Change, Section 5: Strategies, http://www.fhwa.dot.gov/environment/glob_c5.pdf

Regional 'Land Use' Strategy Brainstorm

Instructions

- Focus on broad strategies but be inclusive
- Strategies must have potential to reduce GHGs
- Include state, local, regional, national, or other responsibility
- Focus on this subgroup sector but OK to include strategies that are synergistic or apply to other sectors
- Think ***REGIONALLY***
- Consider what might carry Co-BENEFITS

DO include

- Strategies, measures, policy targets, program targets (but not specific projects)
- Anything from achievable, to stretch or hypothetical

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