

# GREENHOUSE GAS DRIVERS OF CHANGE

---

Maia A. Davis  
Senior Environmental Planner

Built Environment and Energy Advisory Committee  
February 15, 2018



Metropolitan Washington  
Council of Governments

# Drivers of GHG Change Project

---

- MWCOG is a partner on a national grant team under the US Department of Energy CLEAP (Cities Leading through Energy Analysis and Planning) Program. Two main tasks include:
  - Develop new inventory (2015) and condition last inventory (2012).
  - Support development of a *GHG drivers of change model and toolkit* for local community-scale inventories. Test model with 2 regional inventory years.



# Project Timeline

Month	Activities
October – December 2017	<ul style="list-style-type: none"><li>• GHG Inventory Work Session</li><li>• One-on-one meetings with local jurisdictions</li><li>• Adjustments/additions to 2012, 2015 inventories</li></ul>
January – March 2018	<ul style="list-style-type: none"><li>• Complete 2005 GHG inventory conditioning</li><li>• Review GHG inventory and drivers of change results and draft report with committees</li></ul>
April – June 2018	<ul style="list-style-type: none"><li>• Final ClearPath entries</li><li>• Final spreadsheets and fact sheets to local govts</li><li>• Final GHG Inventory Methodology Guide</li><li>• Finalize Regional GHG Trends Report</li></ul>
July 2018	<ul style="list-style-type: none"><li>• GHG drivers of change workshop with ICLEI, BEEAC and CEEPC</li></ul>

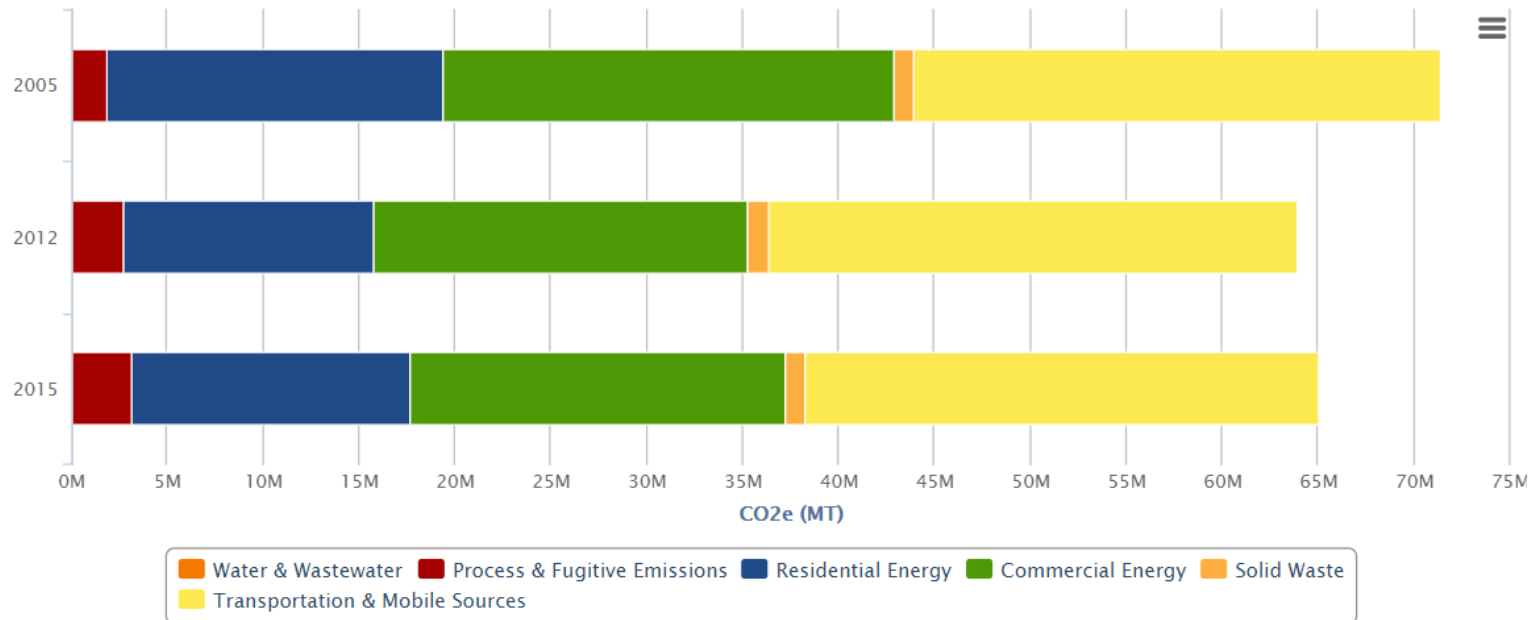
# Regional GHG Trends, 2005-2012-2015

**DRAFT**

## Inventory Comparison By Sector

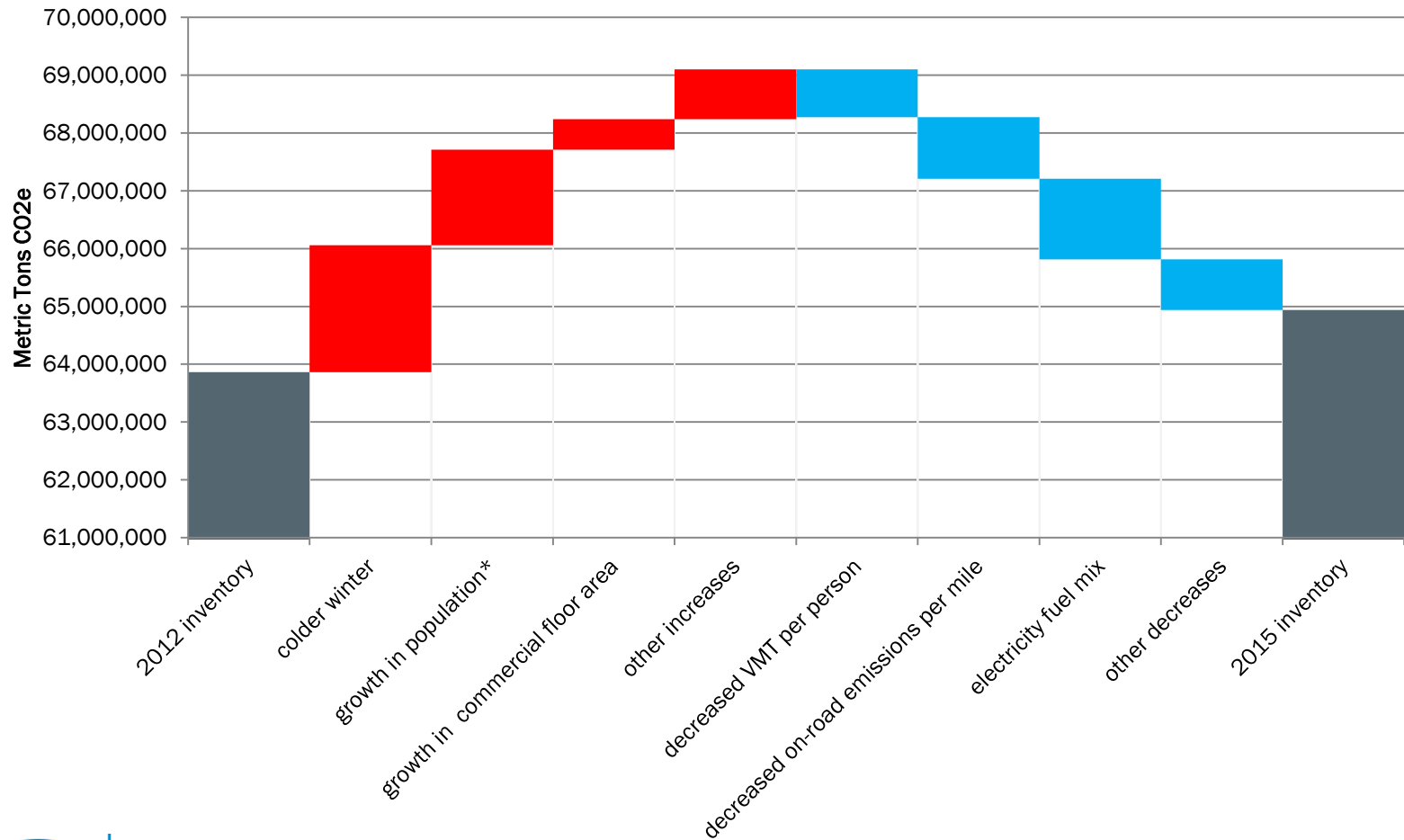
Comparison of CO<sub>2</sub>e by sector and year over all official inventories

Year	Transportation & Mobile Sources	Solid Waste	Commercial Energy	Residential Energy	Process & Fugitive Emissions	Water & Wastewater
2005	27,473,272	1,059,077	23,486,147	17,517,636	1,844,124	
2012	27,602,109	1,064,278	19,450,300	13,054,942	2,676,538	51,050
2015	26,717,134	1,068,132	19,591,937	14,445,935	3,097,027	54,061



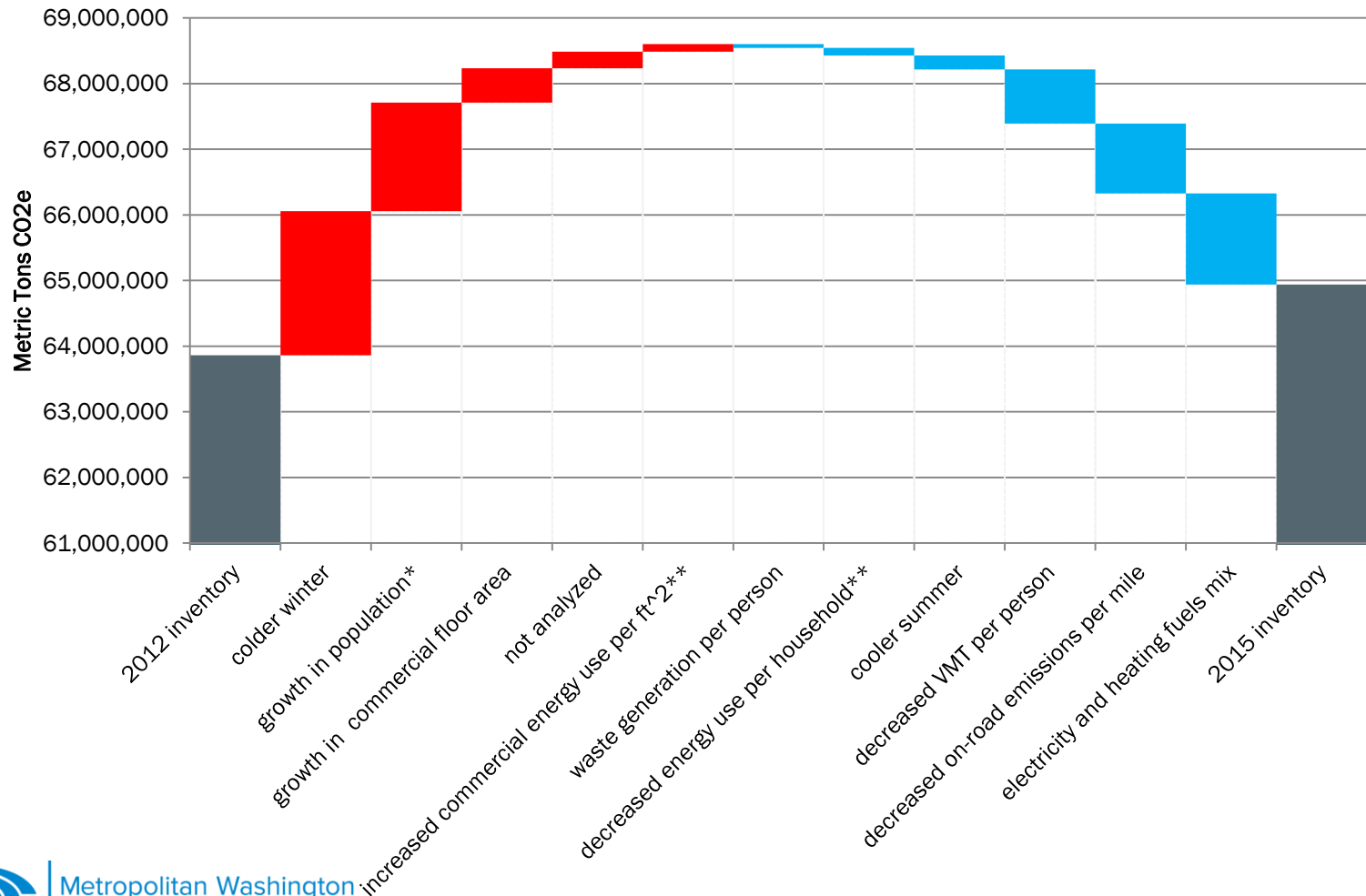
# Leading Drivers of Change, 2012-2015

*DRAFT*



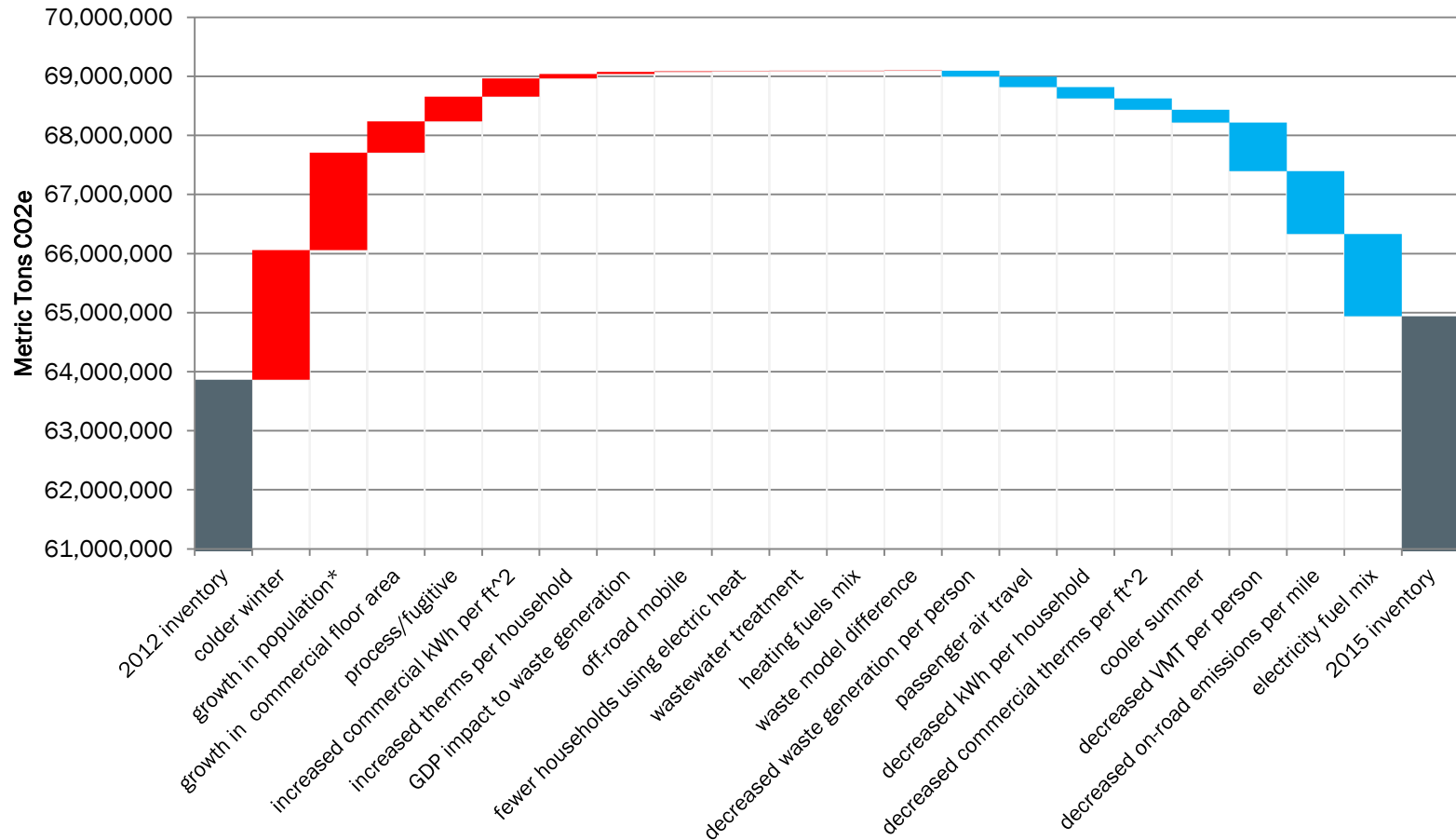
# Mid-Level Summary of Drivers, 2012-2015

*DRAFT*



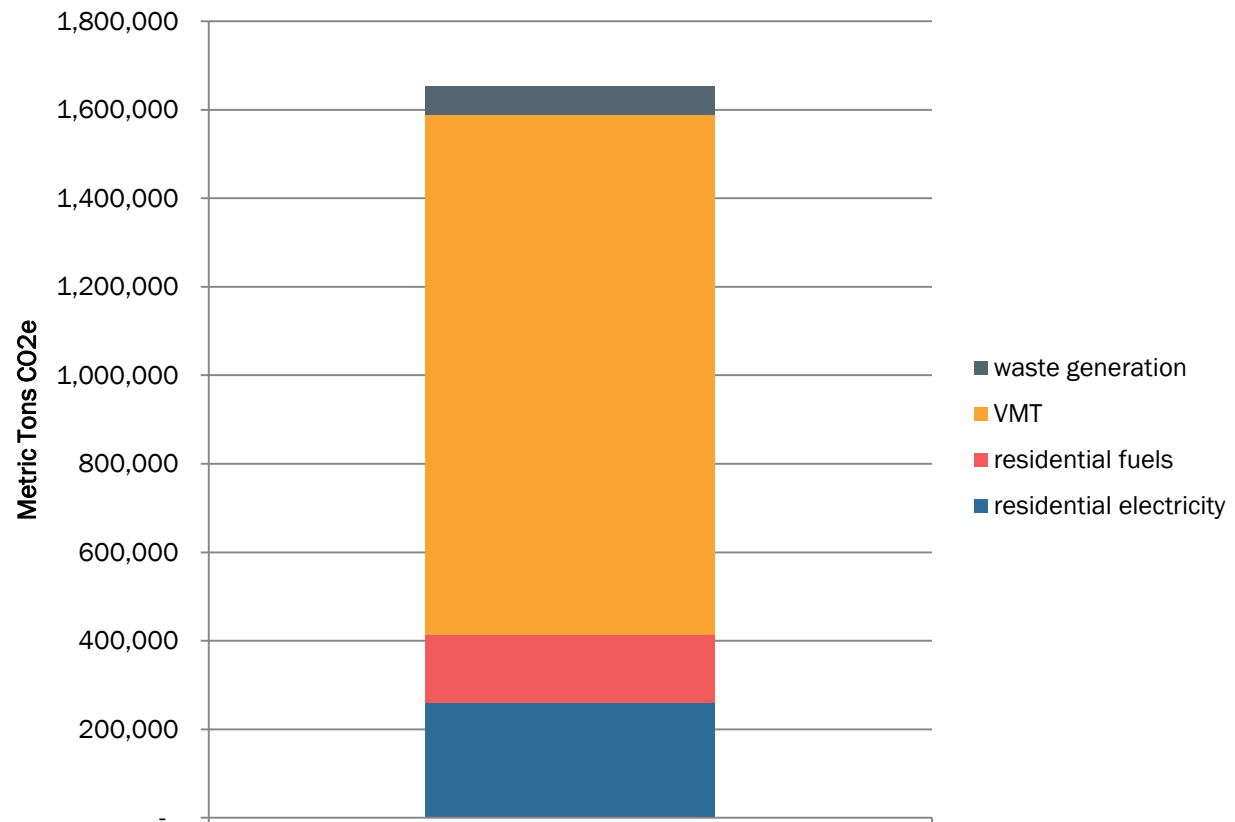
# Detailed Drivers Chart, 2012-2015

*DRAFT*



# Population Drivers, 2012-2015

*DRAFT*





## Maia A. Davis

Senior Environmental Planner

(202) 962-3227

[mdavis@mwkog.org](mailto:mdavis@mwkog.org)

[mwkog.org](http://mwkog.org)

---

777 North Capitol Street NE, Suite 300

Washington, DC 20002



Metropolitan Washington  
Council of Governments