



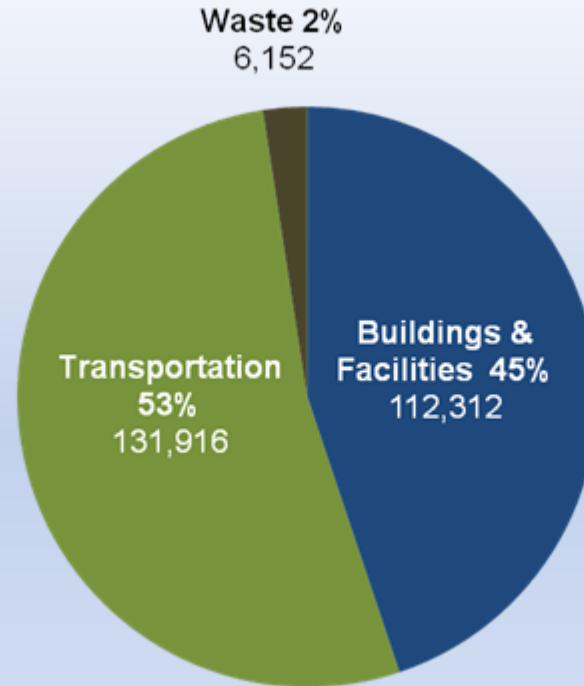
# City of Davis Greenhouse Gas Emissions Inventory & Forecast Update

June 2008

# 1990 GHG Emissions Inventory

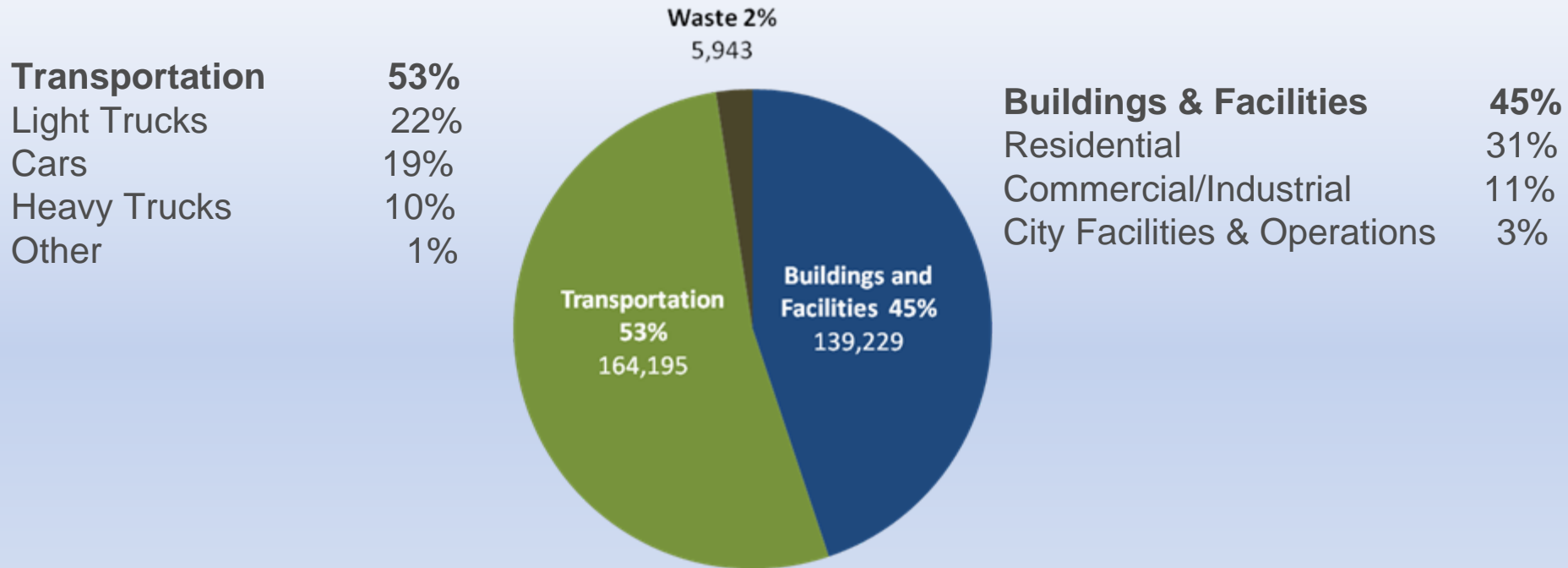


<b>Transportation</b>	<b>53%</b>
Light Trucks	20%
Heavy Trucks	17%
Cars	15%
Other	1%



<b>Buildings &amp; Facilities</b>	<b>45%</b>
Residential	33%
Commercial/Industrial	9%
City Facilities & Operations	3%

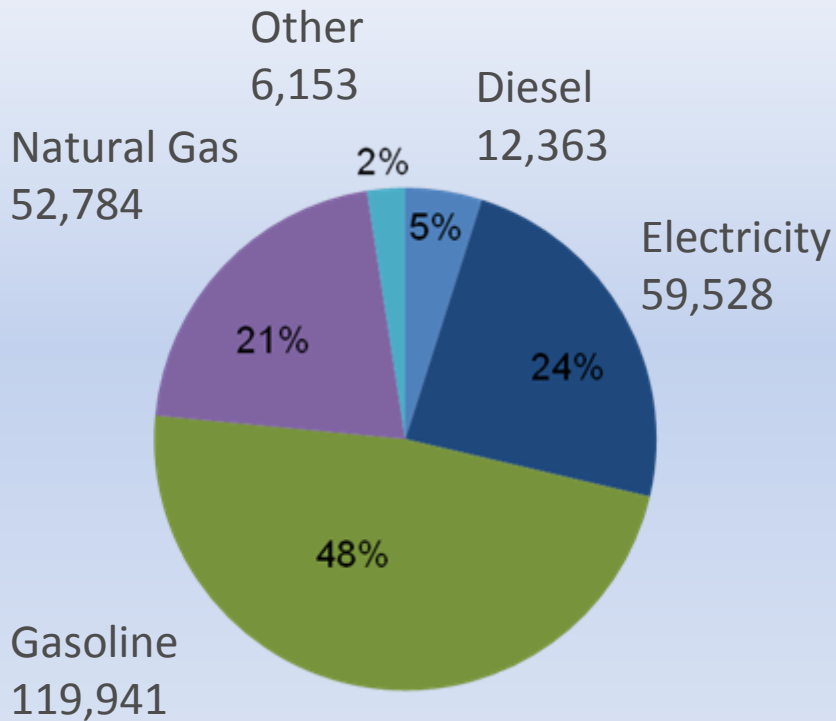
# 2006 GHG Emissions Inventory



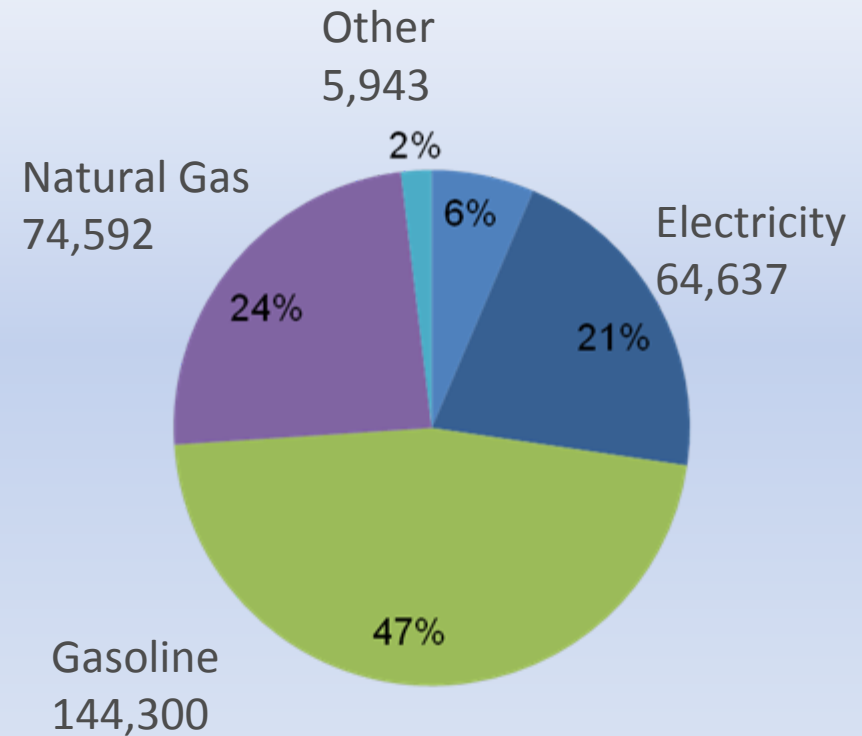
# GHG Emissions by Source



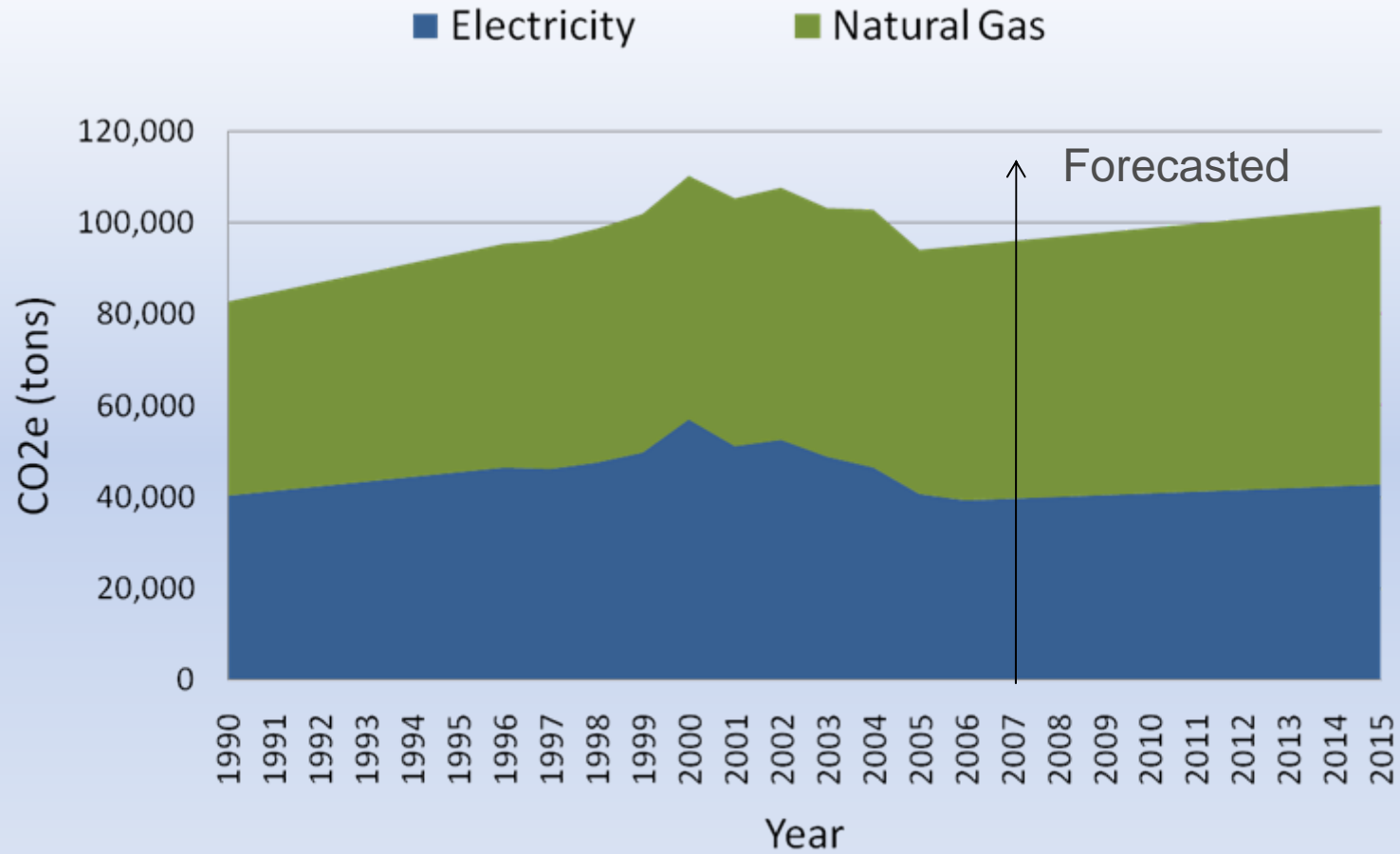
1990



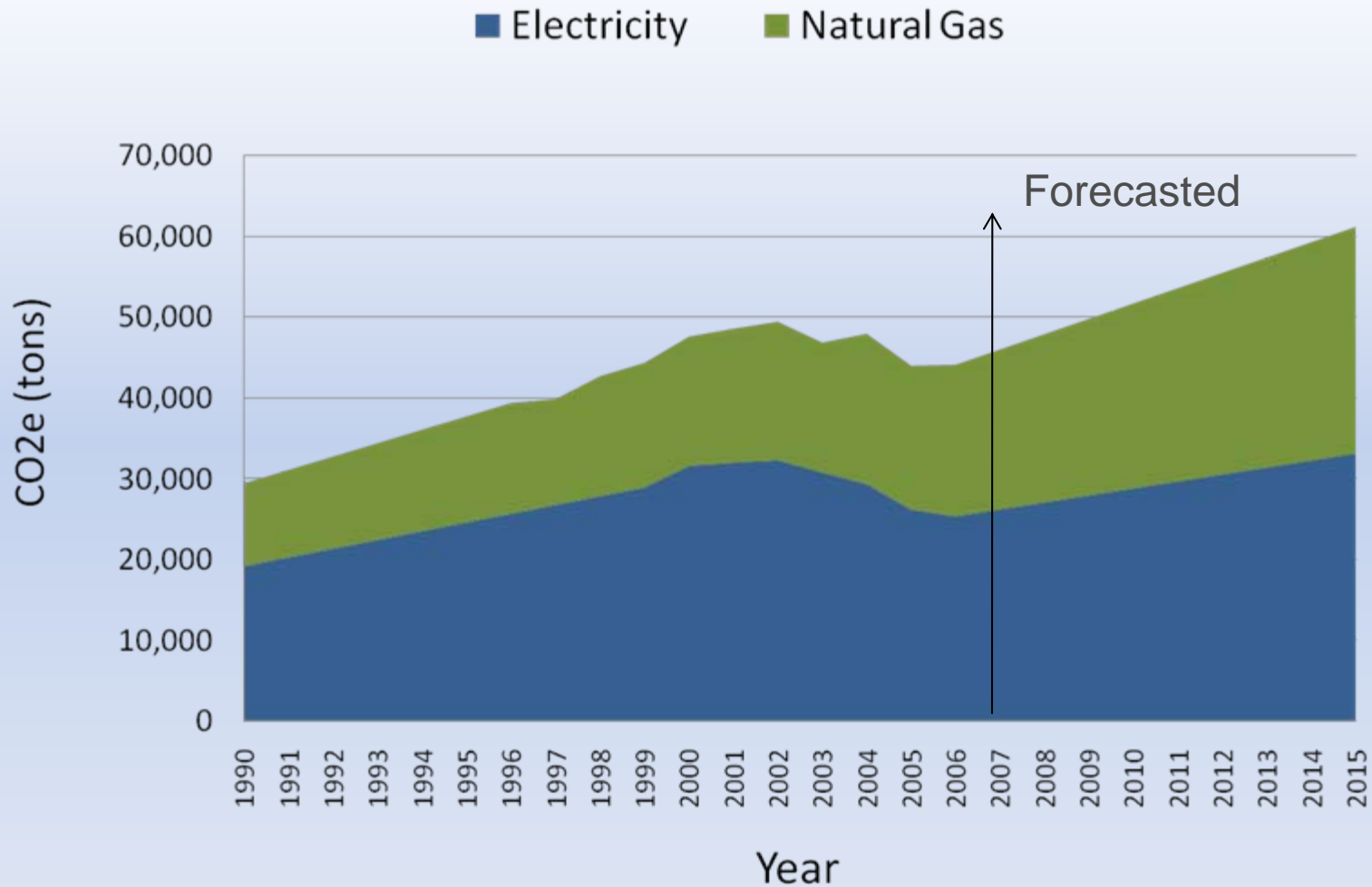
2006



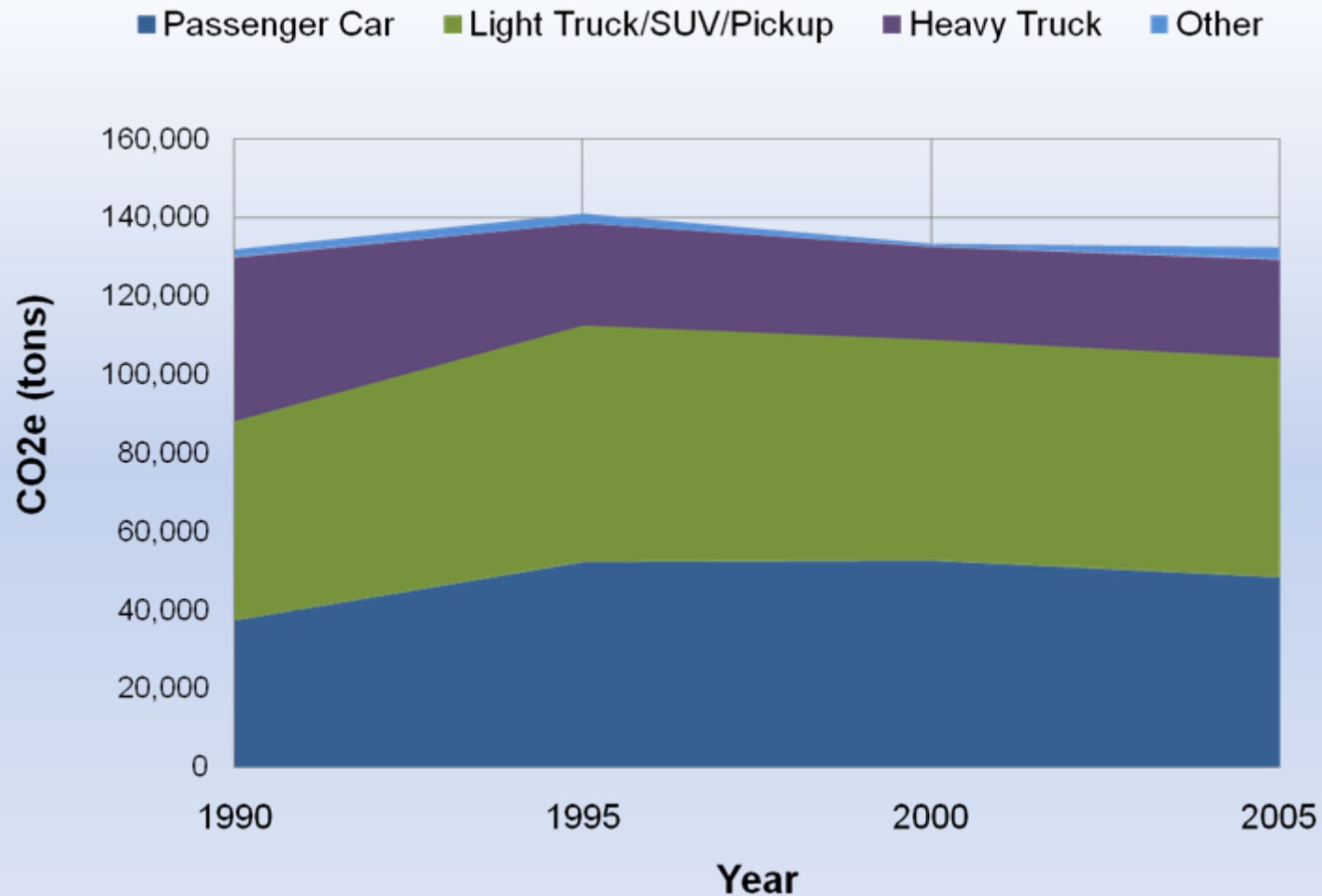
# Residential GHG Emissions



# Commercial GHG Emissions



# GHG Emissions by Vehicle Type



# Per Capita Emissions Comparison



	Davis' 2006 Per Capita Greenhouse Gas Emissions (tons CO <sub>2</sub> e per person)	National State & other Cities 2005 Per Capita Greenhouse Gas Emissions (tons CO <sub>2</sub> e per person)
Direct energy use plus airline and highway travel	7.5*	National: 24** California: 14***
Direct energy use (no airline and highway travel)	4.8	Other California Cities: 6.3 – 17.5**** Other U.S. Cities: 11.5 – 19.5*****

\* Air and highway travel are added: Air travel - 1.4 tons CO<sub>2</sub>e per capita. Highway travel - 1.3 tons CO<sub>2</sub>e per capita.

\*\* U.S. Department of Energy: Energy Information Administration. "Emissions of Greenhouse Gases Report."

\*\*\* California Energy Commission. "California Greenhouse Gas Emissions and Sink Summary: 1990 to 2004."

\*\*\*\* Cities include Berkeley (6.3), San Francisco County in year 2000 (13), Menlo Park (16), and Contra Costa County in 2006 (17.6).

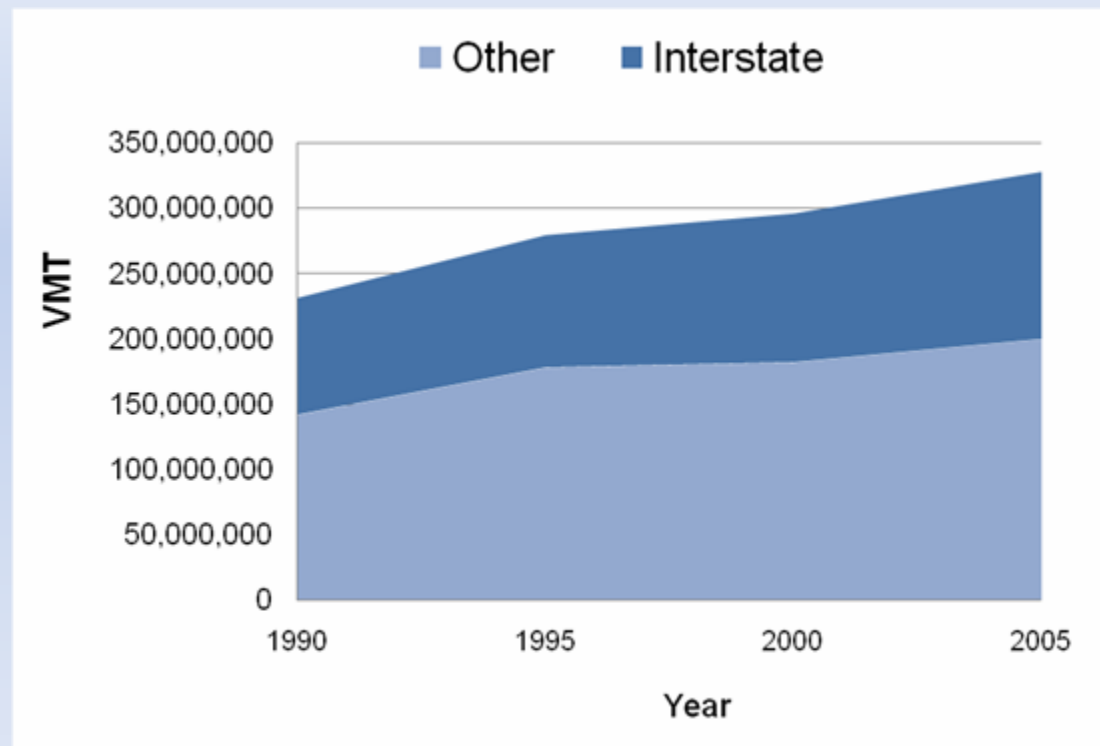
\*\*\*\*\* Cities include Portland County (Multnomah County Global Warming Progress Report 2005), Seattle (Seattle's Community Carbon Footprint: an Update October 29, 2007), and Denver (19.5).



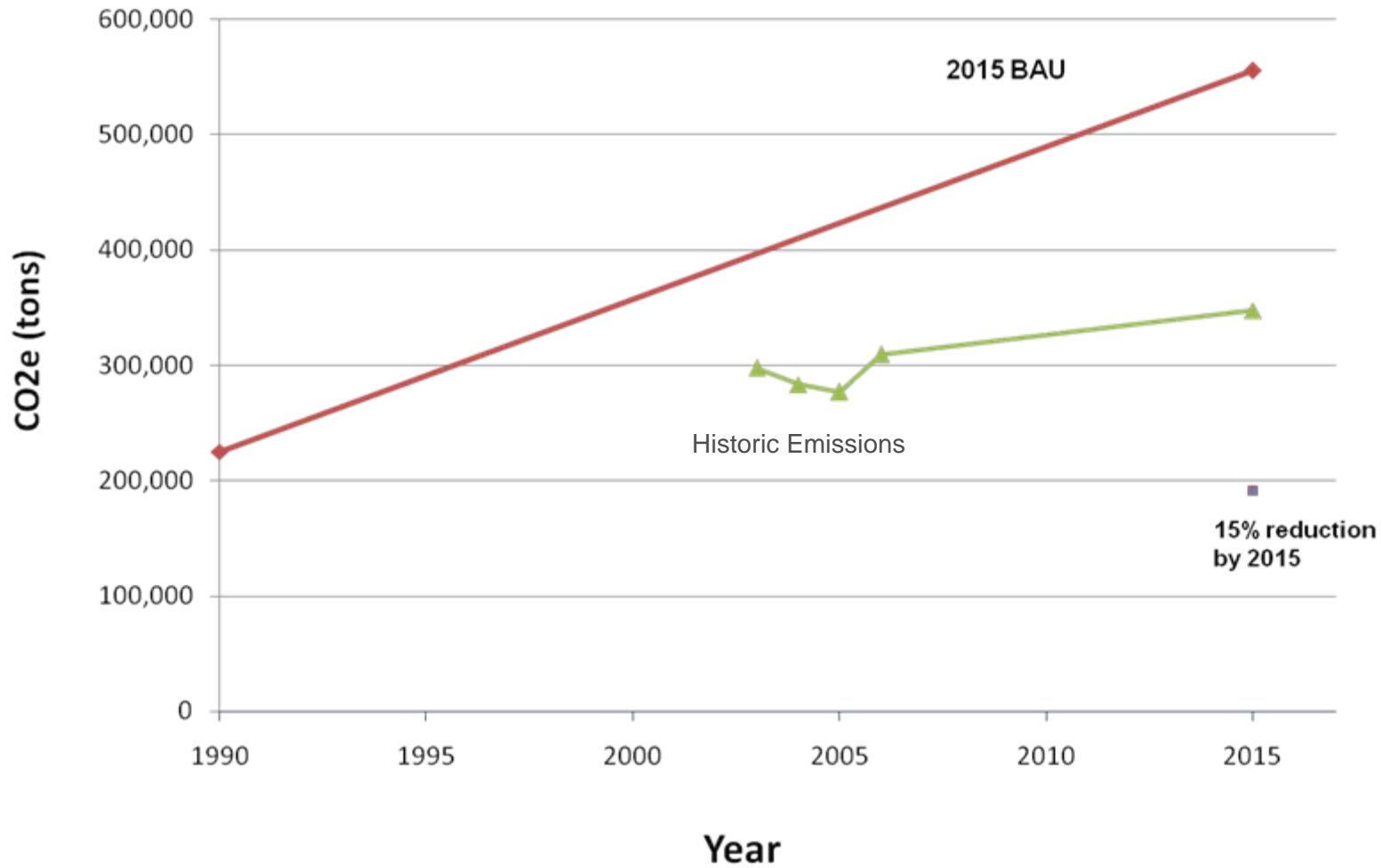
# Other Emissions

Air travel: 1.4 tons CO<sub>2</sub>e per capita

Highway travel: 1.3 tons CO<sub>2</sub>e per capita



# Community: 1990, 2007 BAU & 2015 BAU



# Where do we go from here?



- 1. Adopt an emissions reduction target for the forecast year.**
- 2. Develop a Local Action Plan.**
- 3. Implement policies and measures.**
- 4. Monitor and verify results.**



<http://www.cityofdavis.org/pgs/Sustainability/ClimateChng.cfm>