



State and Local Emissions Trends

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Inventory Protocols

State EPA Protocol	ICLEI Protocol
Res/Com/Ind Fuel Use	Scope 1 – Direct GHG Emissions Natural Gas Res/Com/Ind Vehicle Emissions
Transportation	
Coal mining	
Gas Production	
Industrial Processes	
Electric Power	Scope 2 – Energy Indirect Emissions Electricity Res/Com/Ind Electricity Public Uses
Waste Management	Scope 3 – Other Indirect Emissions Solid Waste Community Air Travel Wastewater treatment
Agriculture	

State Trends

	2005	2010	2020	2030
Electric Power	33%	31%	29%	28%
Transportation	25%	24%	26%	25%
Res/Com/Ind Fuel	20%	21%	21%	22%
Coal mining	5%	6%	5%	5%
Gas Production	4%	6%	6%	6%
Industrial	3%	3%	4%	5%
Waste Mgmt	2%	2%	3%	3%
Agriculture	7%	7%	7%	6%

Source: CO Department of Public Health and Environment

Representative Local Inventories

	Fort Collins (2012)	Denver (2011)	Aspen (2011)	Boulder Cty (2012)
Electricity	52%	37%	28%	50%
Ground Travel	23%	18%	43%	24%
Air Travel	4%	7%	9%	0%
Natural Gas	17%	10%	15%	18%
Solid Waste	3%	1%	2%	3%
Per capita mt-CO ₂ e	15.0	20.5	77.3	19.0

Denver methodology includes a large food production number not included

Boulder County inventory not based on ICLEI protocol

Aspen per capita tonnage is in short tons

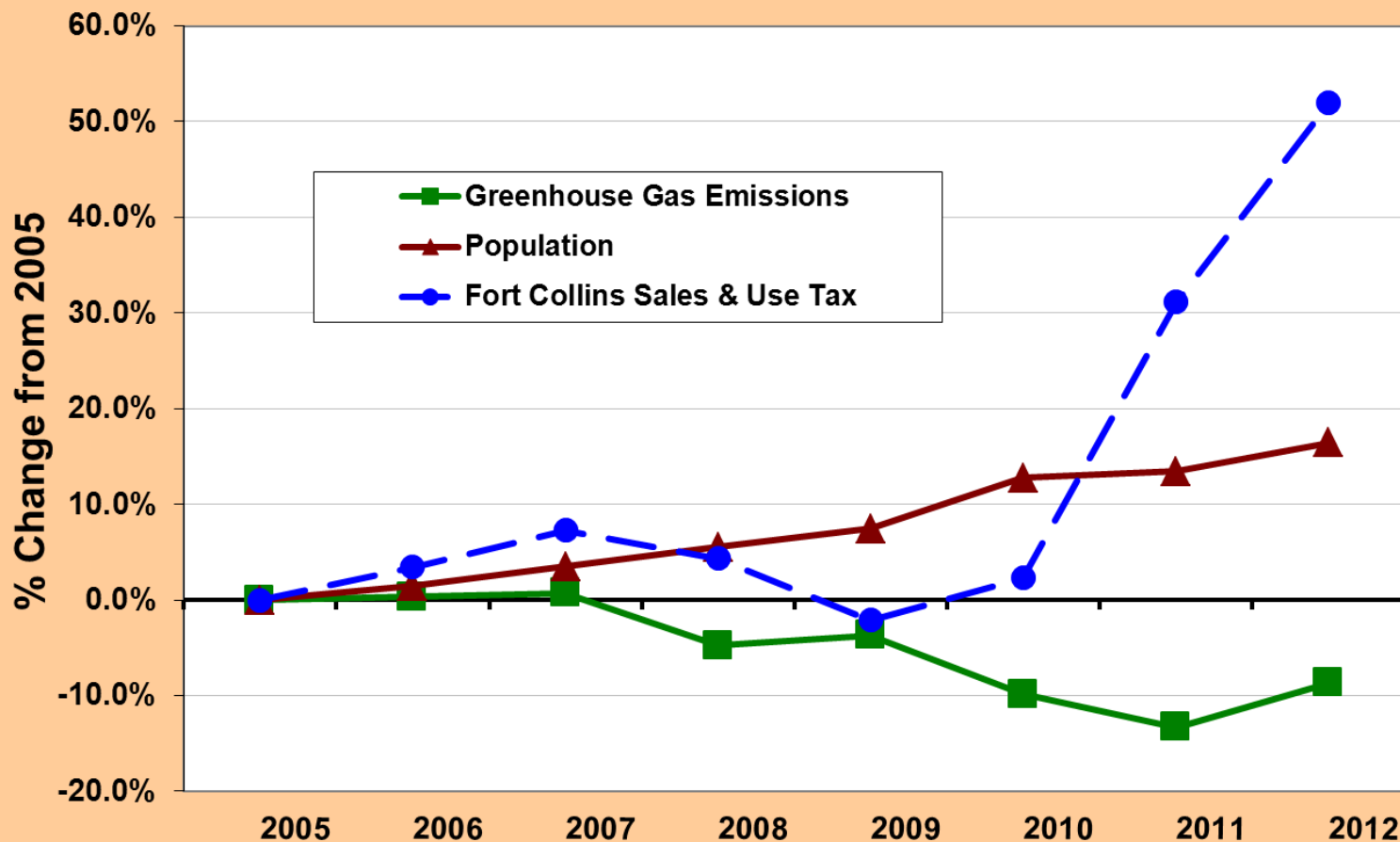
State Trends

State Goal per Executive Order: 20% below 2005 emissions by 2020 and 80% below 2005 by 2050

	MMtCO ₂ e
2005 Total emissions (CDPHE)	121.65
2020 Forecast (CDPHE)	128.07
20% below 2005	97.32
Shortfall	30.75
2020 goal compared to 2020 forecast	-24%

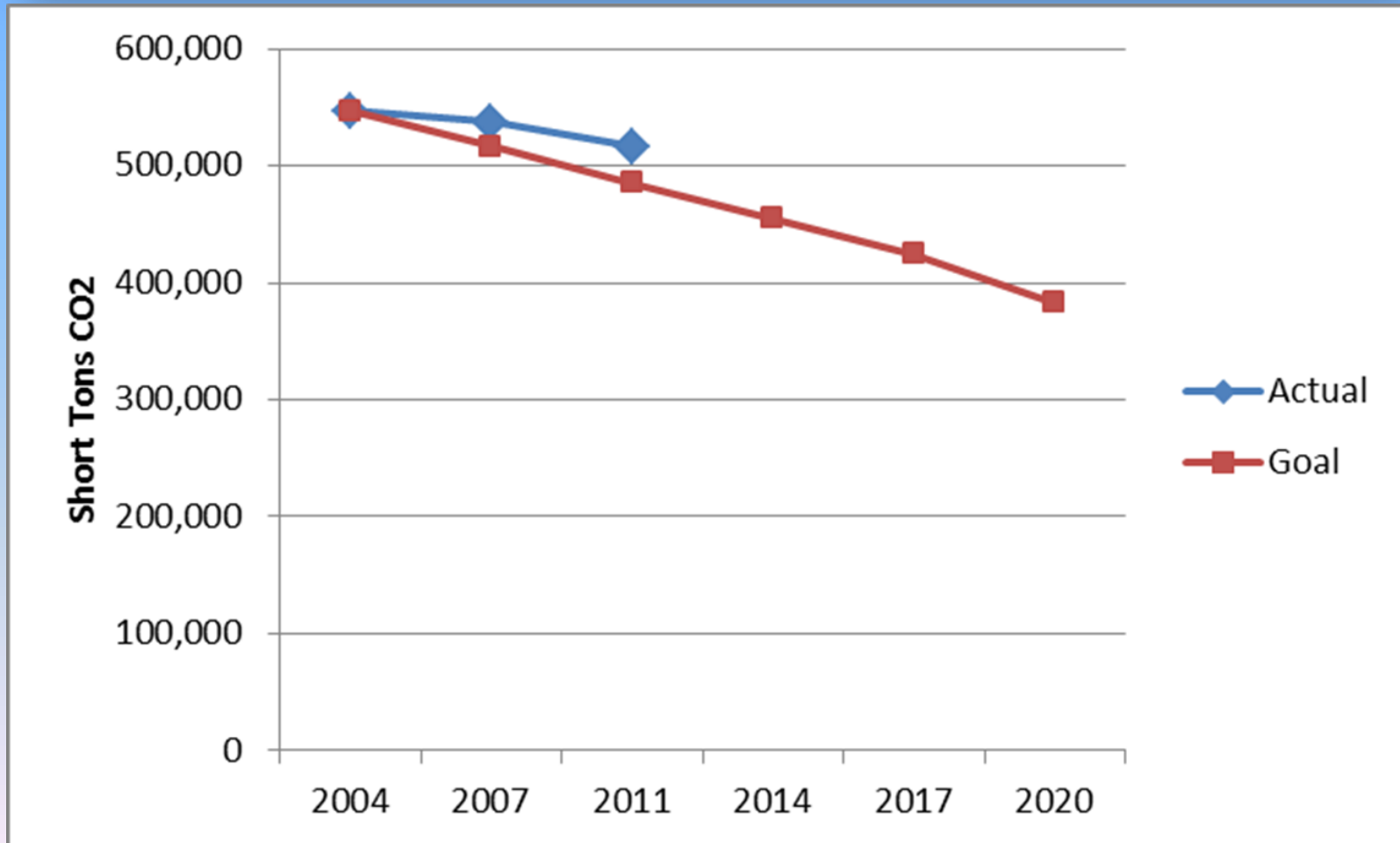
Emissions Trends

Fort Collins Greenhouse Gas Emissions, Sales & Use Tax, and Population



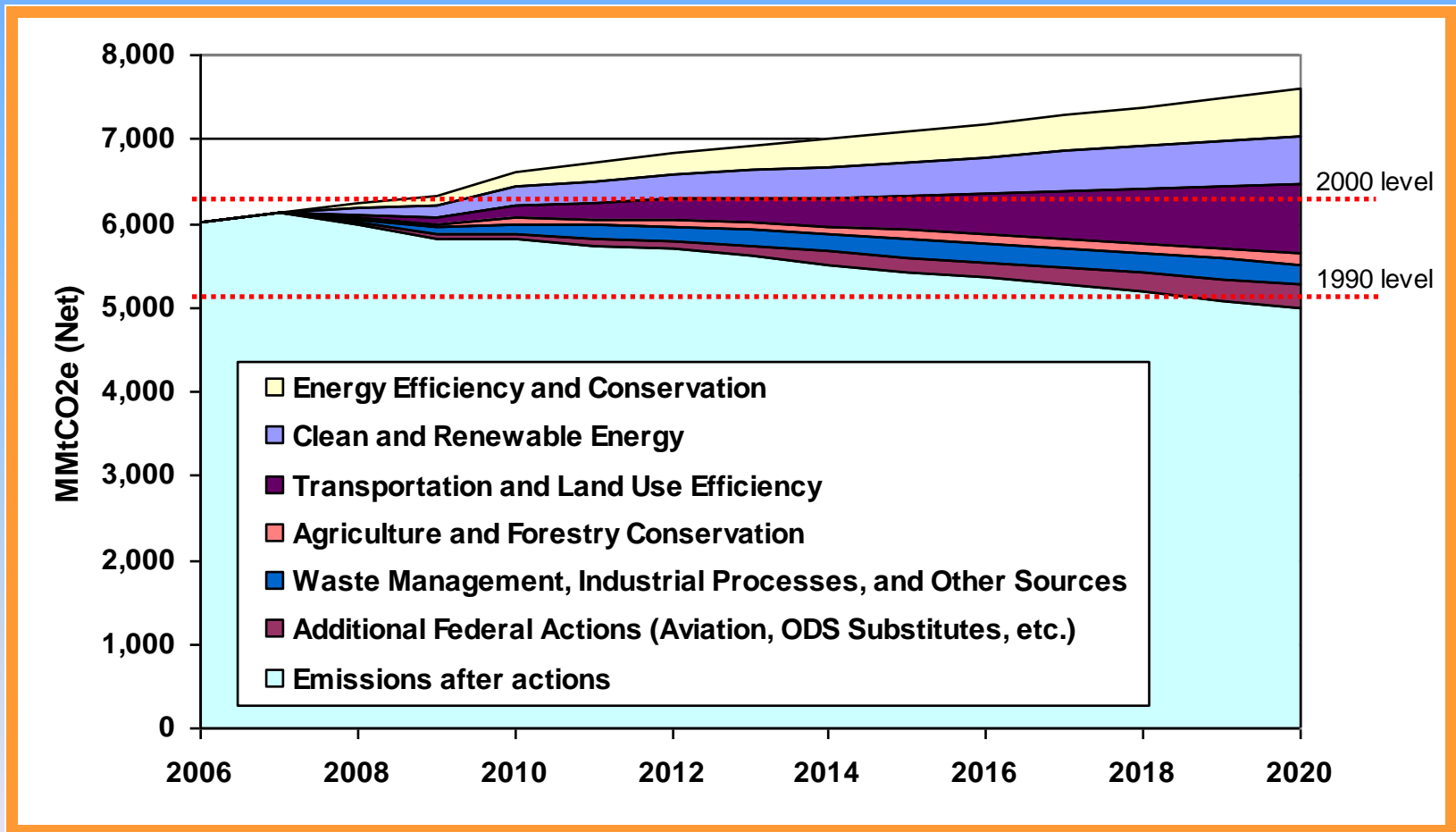
Emissions Trends

Aspen's Emissions Since 2004



How Leadership States Are Doing It

(States' actions scaled to national GHG emissions)



Source: Center for Climate Strategies

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