

CITY OF
HAYWARD
HEART OF THE BAY

Climate Action Plan Update

April 4, 2012

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Development Services Department

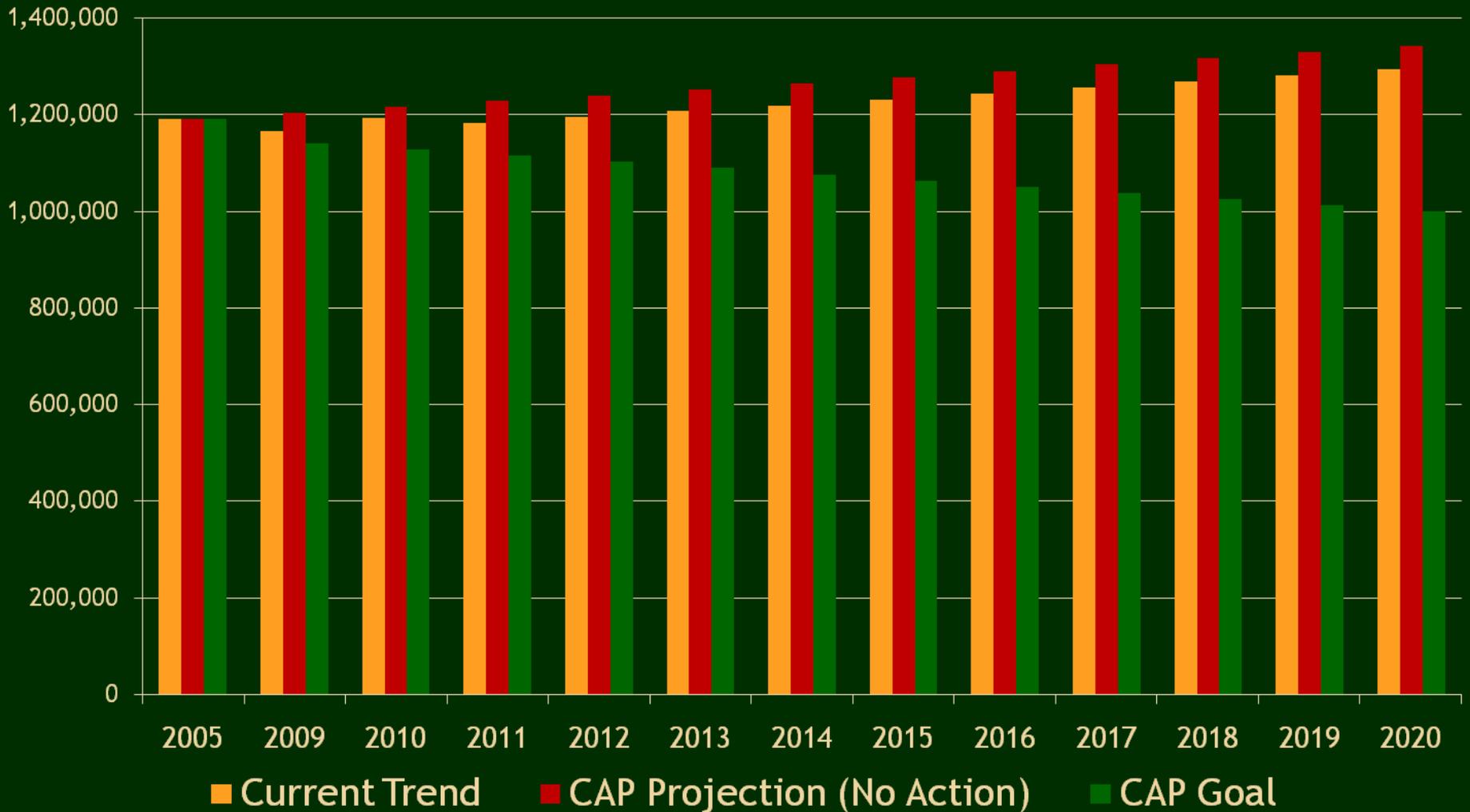


Why Update the Inventory

- Report Changes in Emissions by Sector
 - Transportation
 - Tailpipe Emissions
 - Residential Buildings
 - Energy Production Emissions
 - Commercial Buildings
 - Energy Production Emissions
 - Solid Waste
 - Anaerobic Emissions

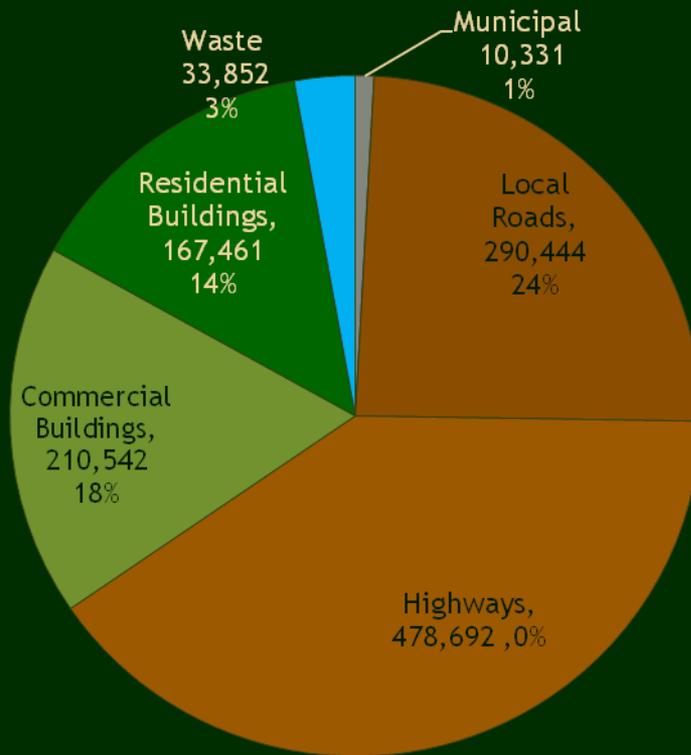


Emissions Trends as of 2010

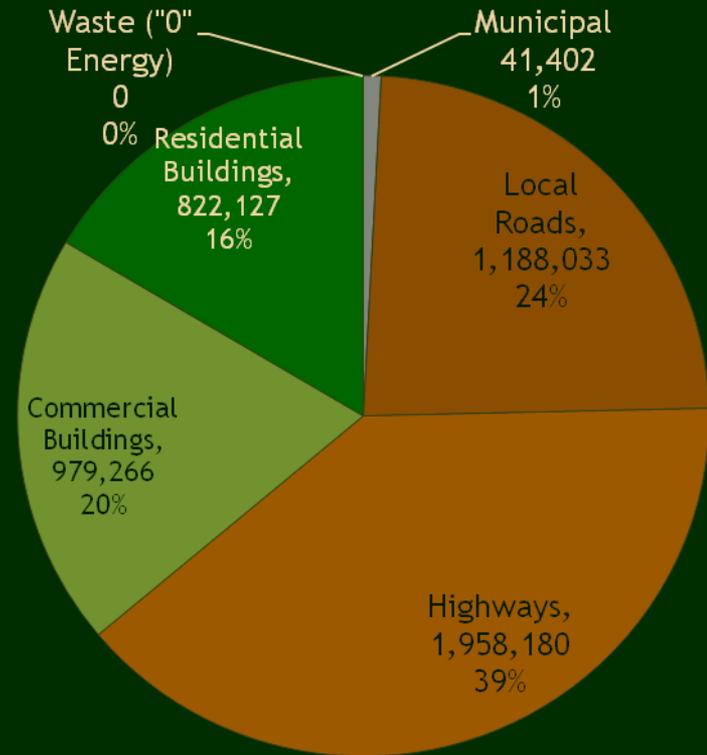


2010 Community Emissions and Inventory

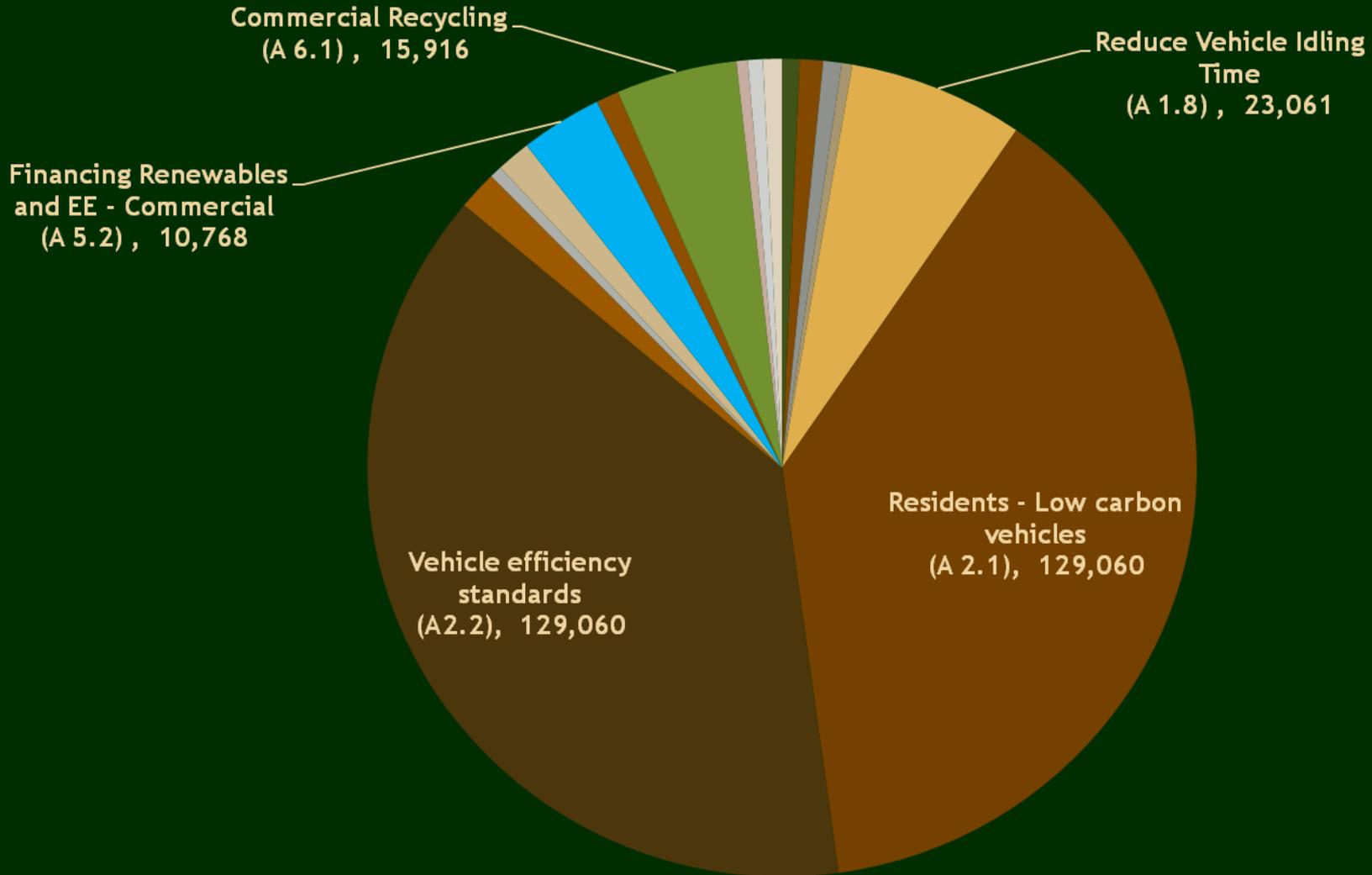
Emissions (MT)



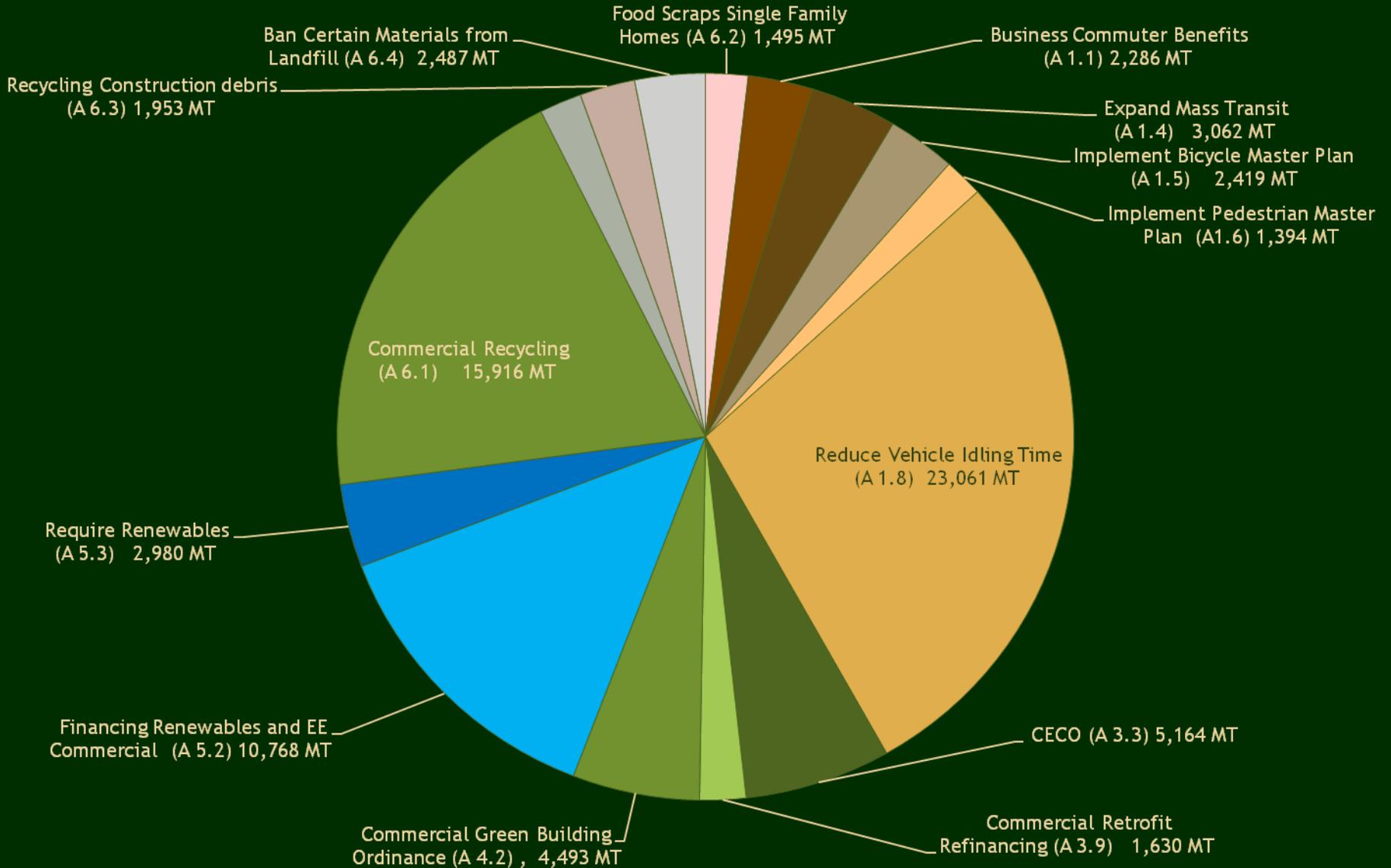
Energy (kWh)



CAP Actions – Highest 2020 GHG Reductions



CAP Actions – Next Highest 2020 GHG Reductions



Local Actions Implemented or in Development

Action	Action Description	CAP GHG Reductions
Action 1.5	Bike Master Plan	2,419 Metric Tonnes
Action 1.8	Reduce Vehicle Idling Time	23,061 Metric Tonnes
Action 2.3	Procure Fuel & Alternative Fuel Efficient Vehicles	54 Metric Tonnes
Action 2.4	Alternative Fuel for Franchisee	54 Metric Tonnes
Action 3.10	LED Streetlighting	969 Metric Tonnes
Action 3.12	Improve City Building Efficiency	330 Metric Tonnes
Action 6.1	Commercial Recycling	15,916 Metric Tonnes
Action 6.2	Residential Recycling	1,495 Metric Tonnes
Action 6.3	Recycle construction debris	1,953 Metric Tonnes
Action 6.4	Ban materials from landfill	2,487 Metric Tonnes
Action 6.8	Recycling in City Buildings	32 Metric Tonnes
Action 6.10	Environmental Purchasing Policy	
Action 7.1	Sequester Carbon Community wide	
Action 7.2	Sequester Carbon on City Property	
CAP Projected GHG Reductions for Actions Implemented to Date		48,770 Metric Tonnes

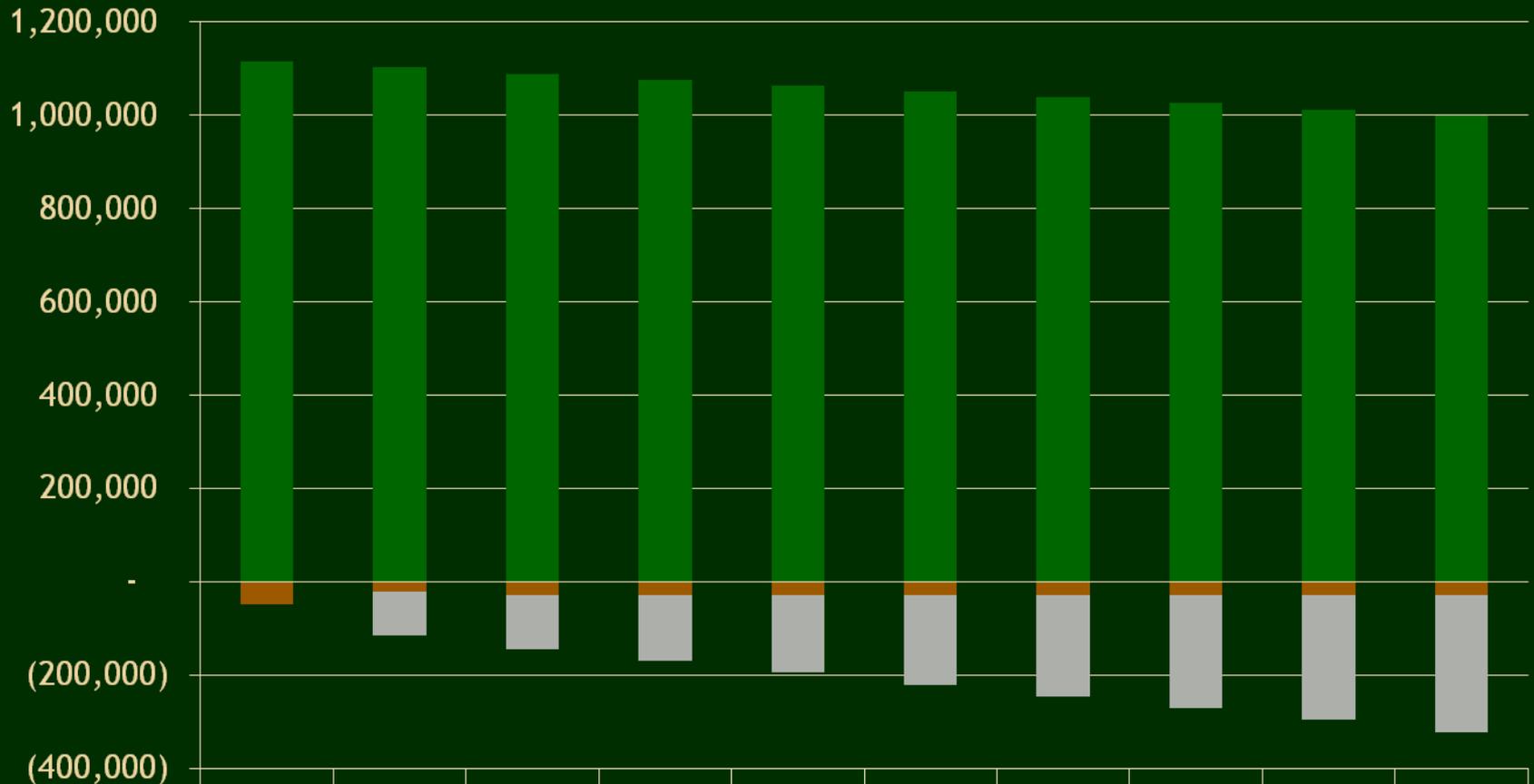


Local Actions Recommended

Action	Action Description	Partners	CAP GHG Reductions
Action 1.1	Assist Businesses Commuter Benefits	IRS Tax Benefits	2,286 Metric Tonnes
Action 3.3	Commercial Building Energy Efficiency	PG&E	5,164 Metric Tonnes
Action 3.9	Commercial Building Retrofit Financing	PG&E PACE	1,630 Metric Tonnes
Action 4.1	Green Building Ordinance	State of CA	979 Metric Tonnes
Action 5.2	Commercial Building Renewables	Commercial PACE (Alameda County)	10,768 Metric Tonnes
Strategy 9	Educate and Engage Community	Multiple	Ongoing
CAP Projected GHG Reductions for Hi-Potential Actions			21,427 Metric Tonnes



Annual Reduction Targets to meet 2020 Goals



	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
■ Cumulative Reductions		(93,147)	(117,957)	(142,887)	(167,937)	(193,109)	(218,405)	(243,825)	(269,370)	(295,043)
■ Reductions/ year	(48,770)	(21,427)	(28,000)	(28,000)	(28,000)	(28,000)	(28,000)	(28,000)	(28,000)	(28,846)
■ Cap Goal	1,115,654	1,102,803	1,089,953	1,077,102	1,064,252	1,051,402	1,038,551	1,025,701	1,012,850	1,000,000

