

# Multi-city Working Group Meeting October 27, 2015

RICAPS technical assistance is available through the San Mateo County Energy Watch program, which is funded by California utility customers, administered by Pacific Gas and Electric Company (PG&E) under the auspices of the California Public Utilities Commission and with matching funds provided by C/CAG.

# Communitywide GHG emissions inventory\*



\*Results presented today are county-wide.

#### **Countywide Emissions Significantly Reduced since 2005**



Sectors not included in this graph because 2005 data not available: Stationary sources, off-road equipment, trains, wastewater treatment, and water

## Emission Reductions Primarily Due To Vehicle Efficiency Improvements



## Total electricity use decreased mostly due to commercial/industrial



## Total Natural Gas Consumption Decrease Due to Commercial/Industrial Sector



DNVGL

#### **Substantial Decrease in Waste Disposal**

# Waste Disposal and Alternative Daily Cover: 2005-2014



## **Slight Increase in Water Consumption in Recent Years**



## Water Consumption Trends Vary Across Districts

#### Water Consumption: FY 2011 – FY 2014



#### **Moderate Increase in Wastewater Emissions**



#### **Historic Emissions vs. Target Emissions Reduction Path**



# **Communitywide GHG Emissions Inventory: Next Steps**

- Provide individual community-wide GHG inventories to cities (by mid-November 2015)
- Excel workbook format
- Opportunity for cities to review and provide comment

Government Operations: GHG Emissions Inventory

- Assess interest in 2015 municipal GHG inventory
- Review data needed
- Potential process: provide template + consultant guidance



## **Government Operations GHG Inventories: Data Needed**

Sector	Data Source
Buildings and Facilities	PG&E (electricity, natural gas) City Public Works (diesel, propane, etc.)
Employee Commute	Commute.org (commute survey)
Landfill (Government-Owned/Operated)	PG&E (electricity, natural gas) Landfill manager (LFG captured, %methane, year opened/closed, historical waste deposited, etc.)
Public Lighting	PG&E (electricity)
Solid Waste (Government-Generated)	Local waste hauler (tons and/or volume)
Vehicle Fleet	City Public Works (gasoline, diesel, biodiesel, etc.)
Wastewater Treatment Plant (Government- Owned/Operated)	PG&E (electricity, natural gas) Plant manager (nitrogen discharged, digester gas produced, % methane) BAAQMD (point source emissions)
Water/Sewage Transport	PG&E: Electricity

#### **Proposed Process: 2015 Government Operations Inventory**



- What support do cities need? (is this enough?)
- What would help move this forward?

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