



THE EL CERRITO COMMUNITY 2015 GREENHOUSE GAS INVENTORY

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Presentation to the Environmental Quality Committee
May 9, 2017

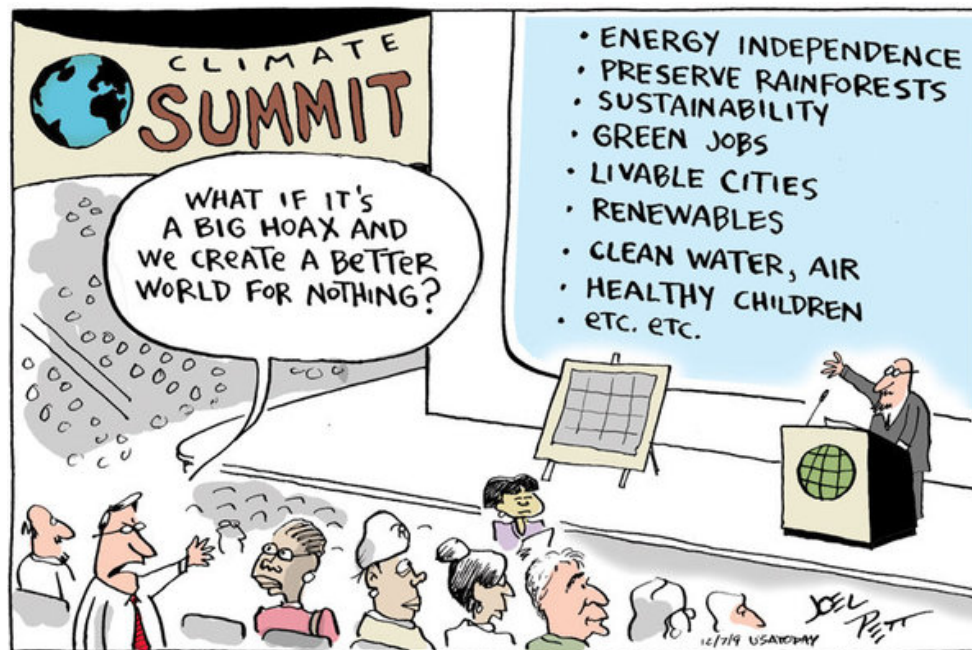
PRESENTATION OUTLINE

- Climate Action Plan Basics
- GHG Inventories and their components
- 2005 Baseline Emissions
- 2015 Inventory
- Breakdown
- Next steps
- Questions

CLIMATE ACTION PLAN

WHY A CLIMATE ACTION PLAN?

- City Council Commitment
- Public Concern
- Threats Posed by Climate Change
- Many Benefits of Taking Action



CLIMATE ACTION PLAN

PURPOSE AND REDUCTION TARGETS

○ Purpose

- To provide a roadmap for pursuing community-wide and municipal reduction in GHG emissions
- To inspire municipal and community climate action

○ Reduction Targets (Adopted Feb. 2011)

- 15% below 2005 by 2020
- 30% below 2005 by 2035
- Consistent with AB 32 Scoping Plan

GHG INVENTORY COMPONENTS

- Energy
 - Electricity and Natural Gas
- Water
 - Energy used for water treatment and delivery
- Transportation
 - Vehicle miles traveled
- Waste
 - Solid waste to the landfill

GHG INVENTORY COMPONENTS

○ What's Counted in the Inventory

- Activities over which local government has some type of influence
- Activities that are reliably measured over time

○ What's Not Counted

- Consumer Goods: -- upstream emissions
- Food -- upstream emissions
- Air Travel
- Travel beyond Contra Costa County
- Biogenic sources of carbon dioxide

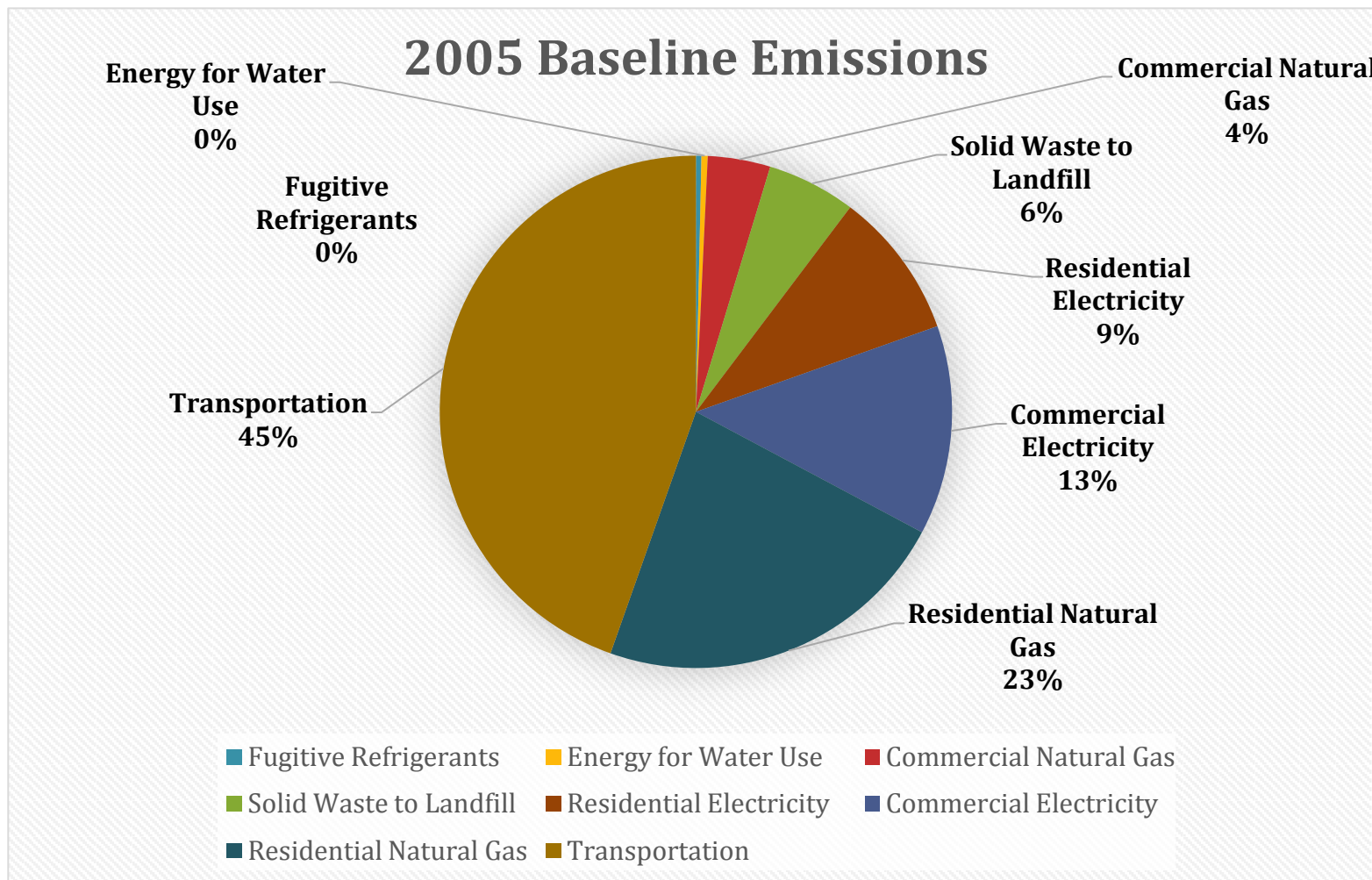
GHG EMISSIONS BASELINE

EL CERRITO'S GREENHOUSE GAS EMISSIONS 2005

Emissions Source	
Fugitive Refrigerants	450
Energy for Water Use	511
Commercial Natural Gas	5,152
Solid Waste to Landfill	7,302
Residential Electricity	12,114
Commercial Electricity	17,234
Residential Natural Gas	29,506
Transportation	58,144
Total	130,413

GHG INVENTORY

EL CERRITO'S GREENHOUSE GAS EMISSIONS 2005



GHG INVENTORY

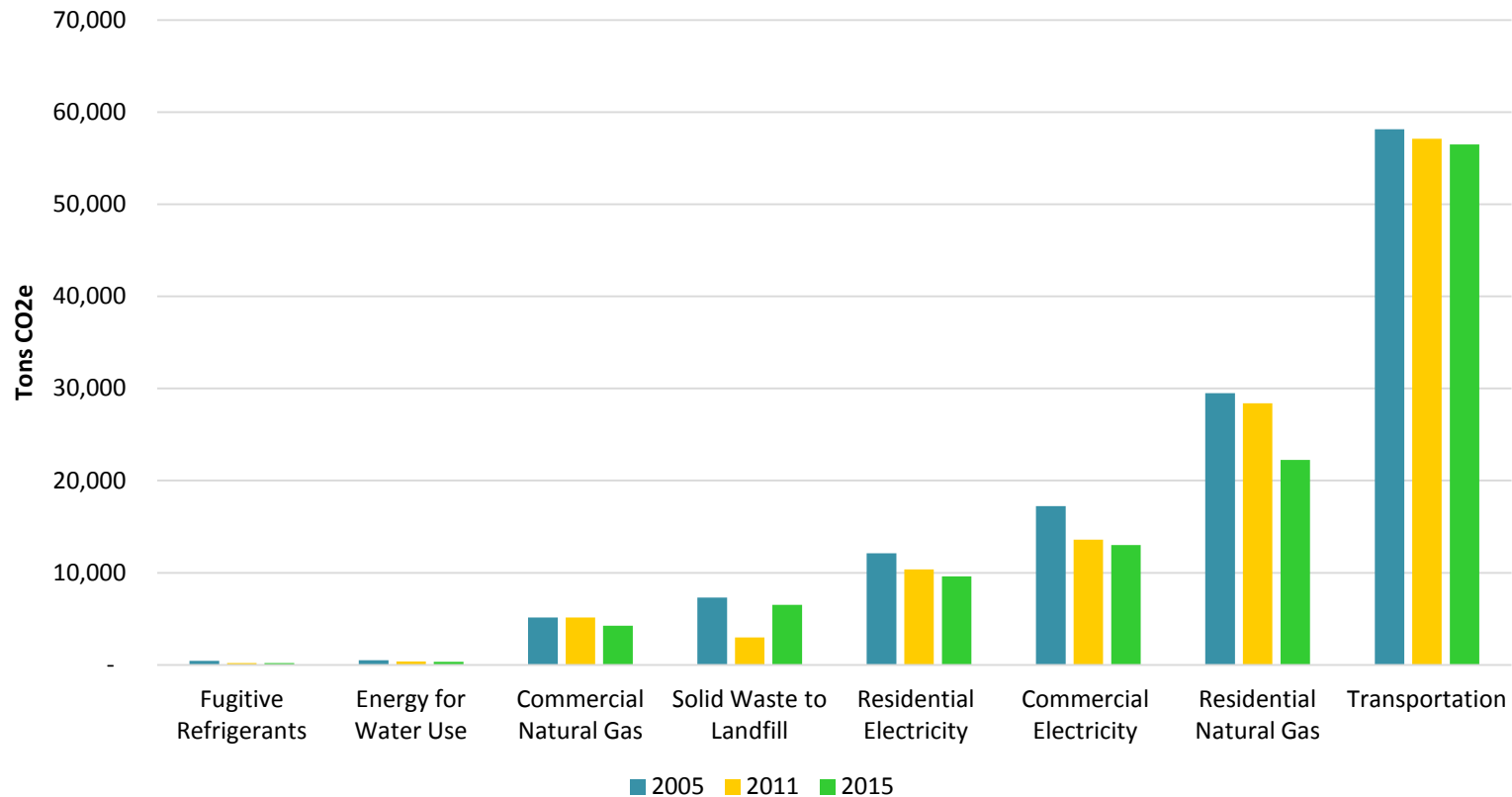
EL CERRITO'S GREENHOUSE GAS EMISSIONS 2015

Emissions Source	
Fugitive Refrigerants	207
Energy for Water Use	348
Commercial Natural Gas	4,258
Solid Waste to Landfill	6,508
Residential Electricity	9,619
Commercial Electricity	13,019
Residential Natural Gas	22,237
Transportation	56,502
Total	112,698

GHG INVENTORY

EL CERRITO'S GREENHOUSE GAS EMISSIONS 2015

Annual Community GHG Emissions



TRANSPORTATION

○ Components:

- Vehicle miles traveled
 - CalTrans
- EMFAC
 - California Air and Resources Board

○ Shifts in Methodology

- Changed baseline with lower EMFAC coefficient
- Metropolitan Transportation Commission Data

○ Trends

- Higher VMT
- Higher fuel efficiency

ENERGY

COMMERCIAL AND RESIDENTIAL

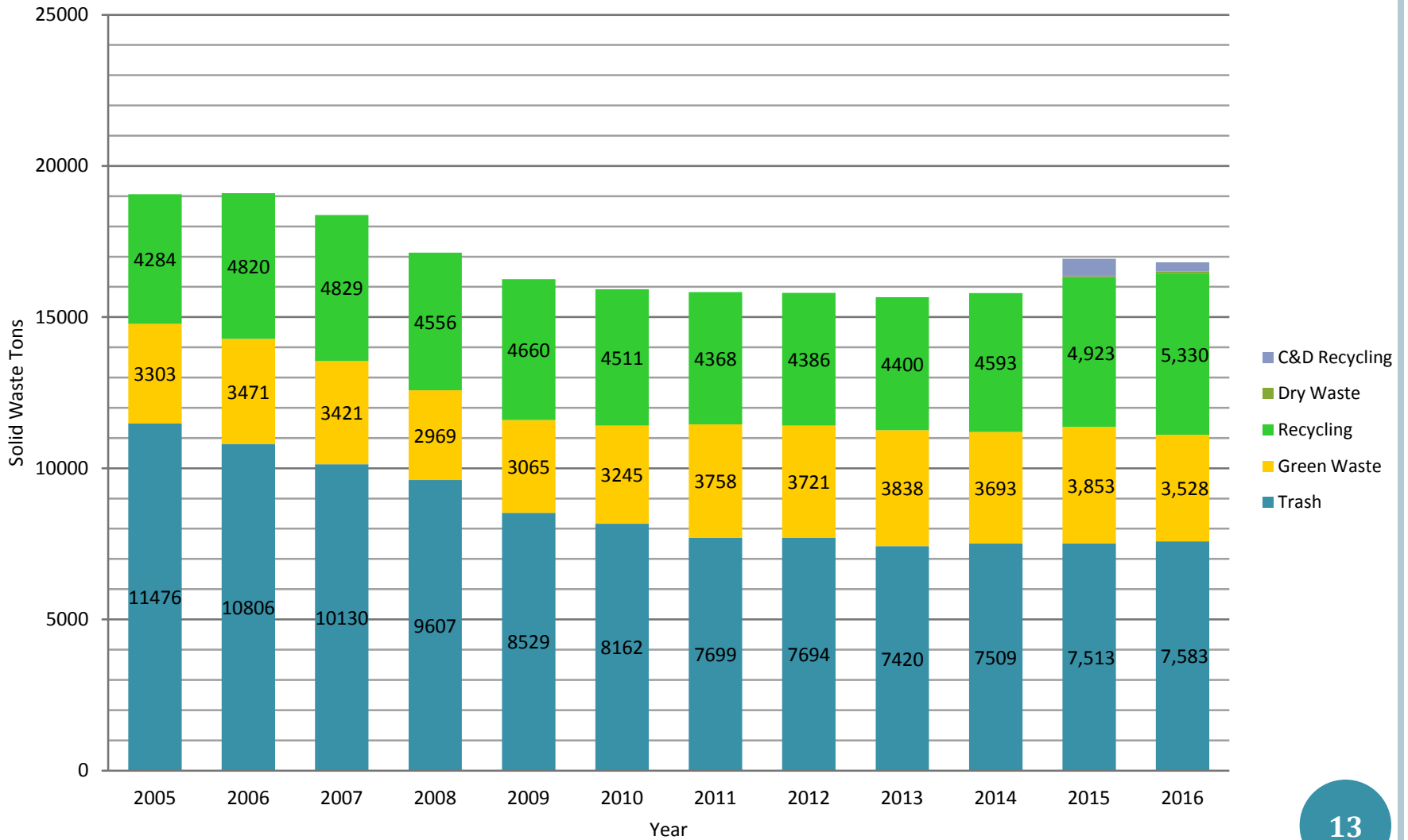
○ Electricity

- Trends
 - Higher efficiency
- Switch to MCE in 2015
- Weather
- Challenges
 - Data access

○ Natural Gas

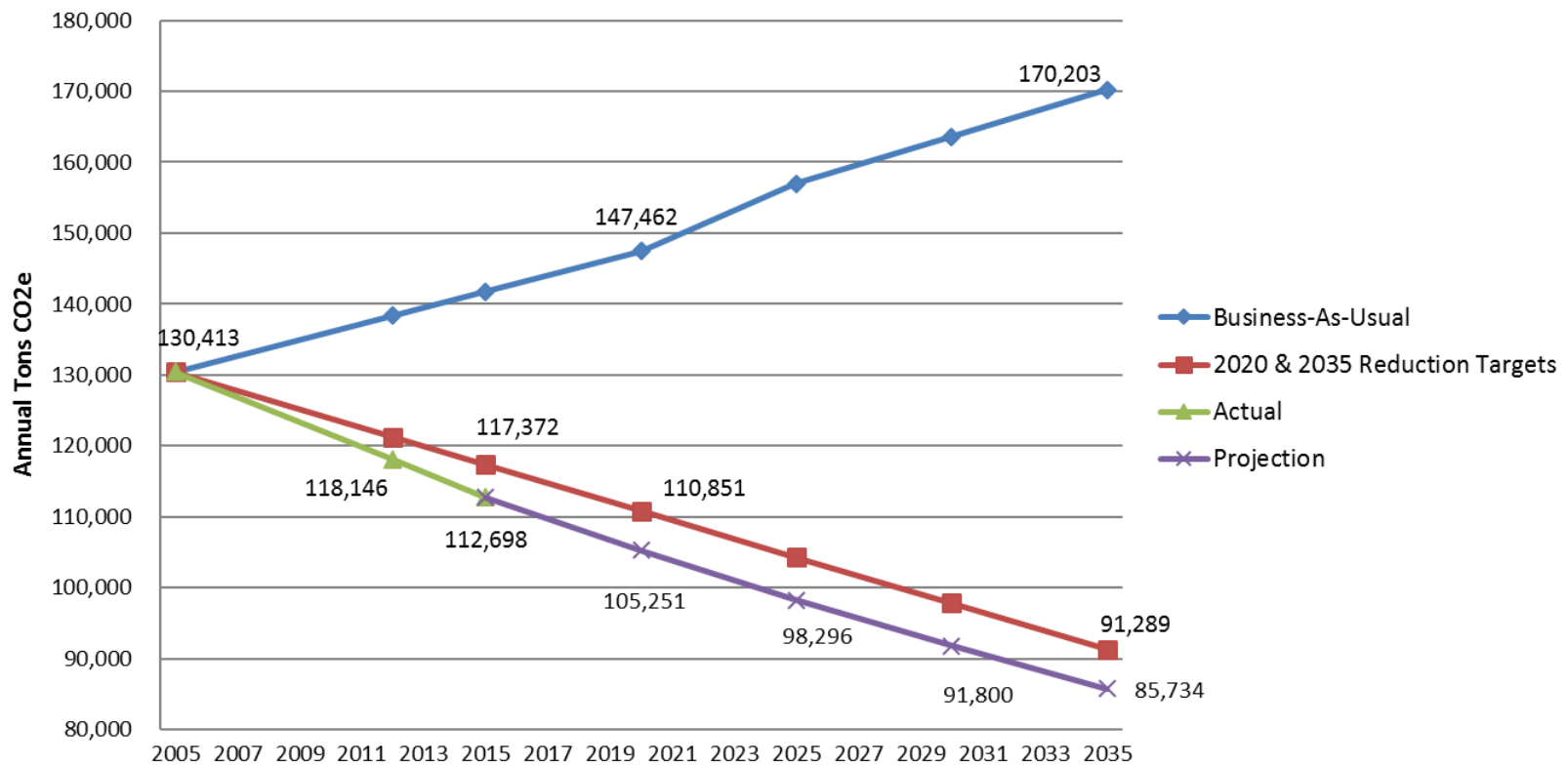
- Trends
 - Higher efficiency for residential homes
- Note from PG&E:
 - Weather

SOLID WASTE



EL CERRITO'S GREENHOUSE GAS EMISSIONS PROJECTIONS

GHG Emissions Scenarios vs. Actual 2012 & 2015



NEXT STEPS

FURTHERING EMISSIONS REDUCTIONS

- Climate Action Implementation Report
- 100x100 Deep Green
- Sustainable Community Strategy
- Implementation Grants
- Energy Efficiency Programs
- New Transportation Methodology



Questions