

# City of San Pablo

**Greenhouse Gas Inventory**

**Baseline Year – 2005**

**Interim Year - 2007**

# What is a Greenhouse Gas Inventory?

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Accounts for greenhouse gases emitted within the city (base year 2005) by:

- City operations/facilities (Municipality)
- Entire community

Used as a basis for:

- Forecasting future emissions
- Comparing forecasts to reduction program results

# ICLEI's Milestone Process

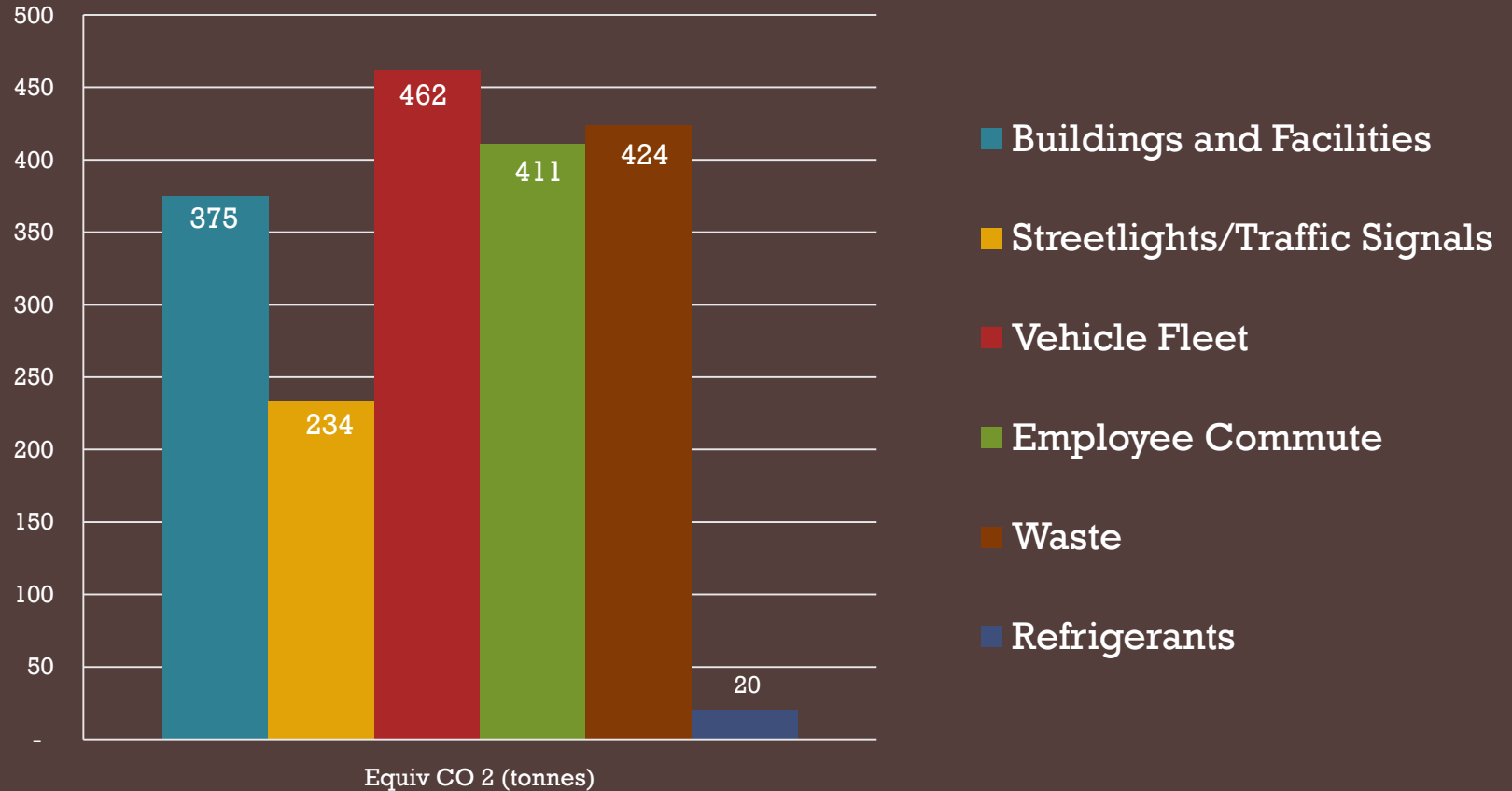
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- Conduct a Greenhouse Gas Emissions Analysis
- Establish a Reduction Target
- Develop a Climate Action Plan
- Implement the Climate Action Plan
- Monitor Progress and Report Results
- Repeat Periodically

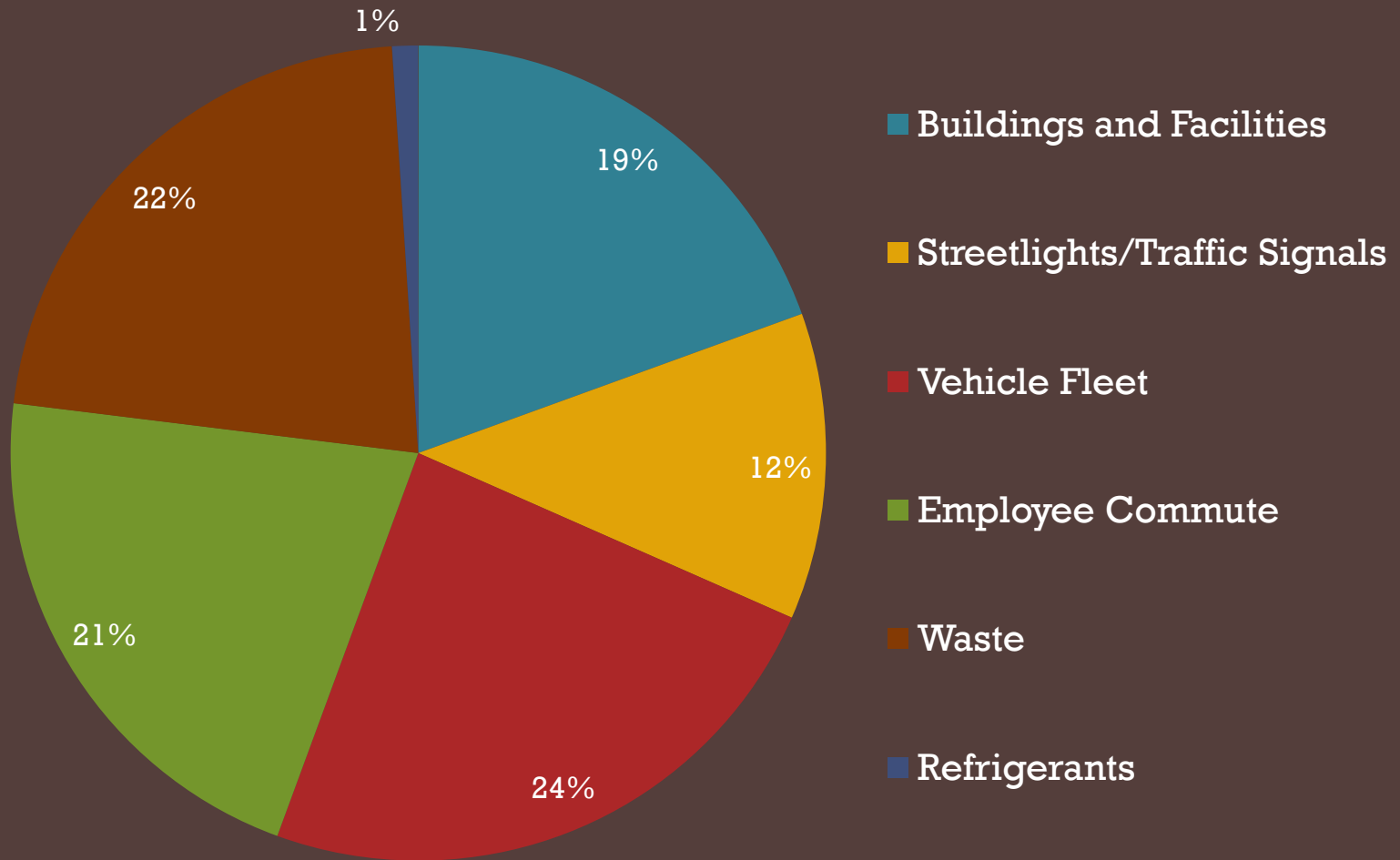
# City of San Pablo

## 2005 Government Operations GHG Emissions

### 1,926 Metric Tonnes CO<sub>2</sub>e



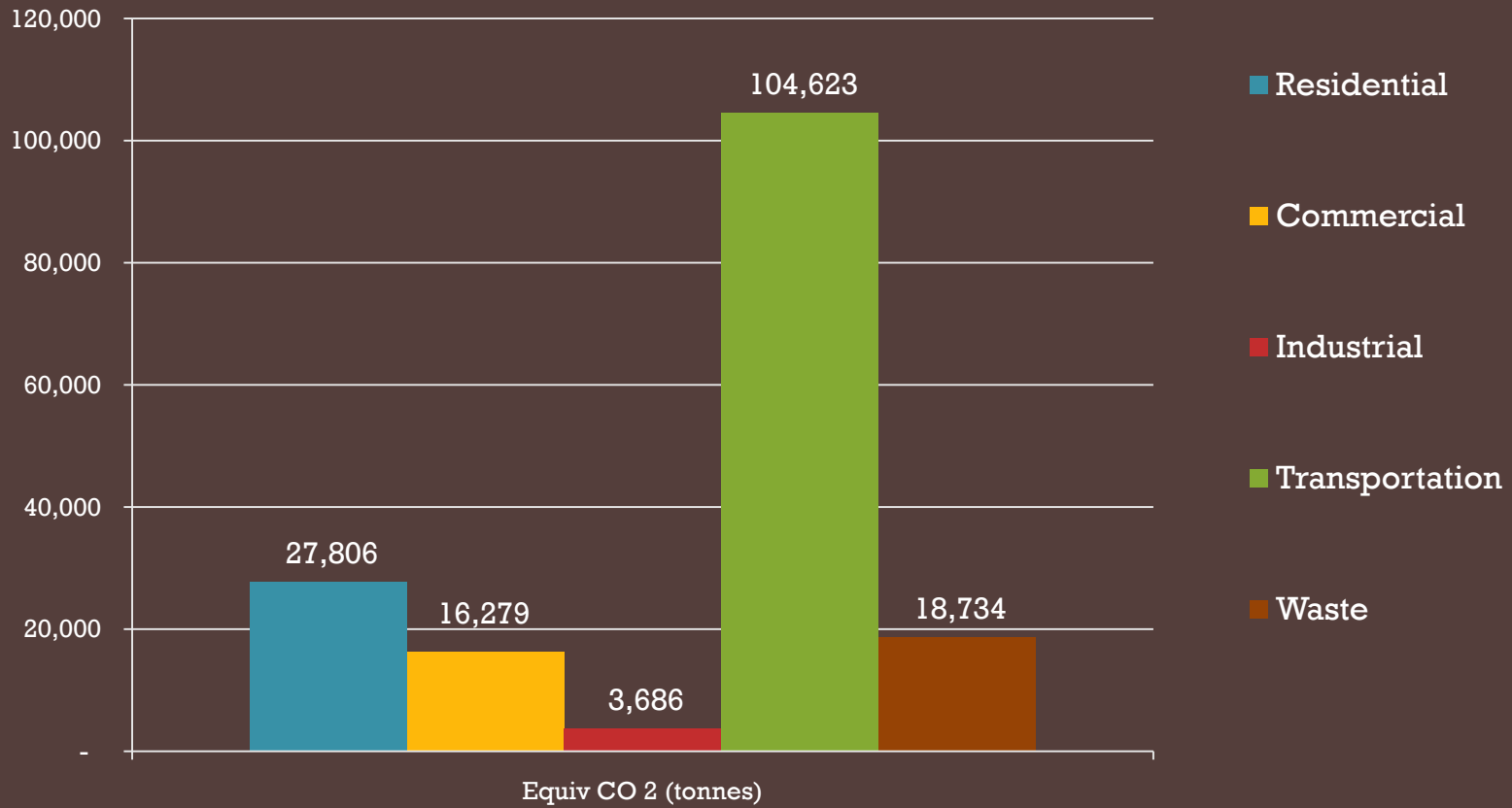
# City of San Pablo 2005 Government Operations GHG Emissions Equiv CO<sub>2</sub> (%)



# City of San Pablo

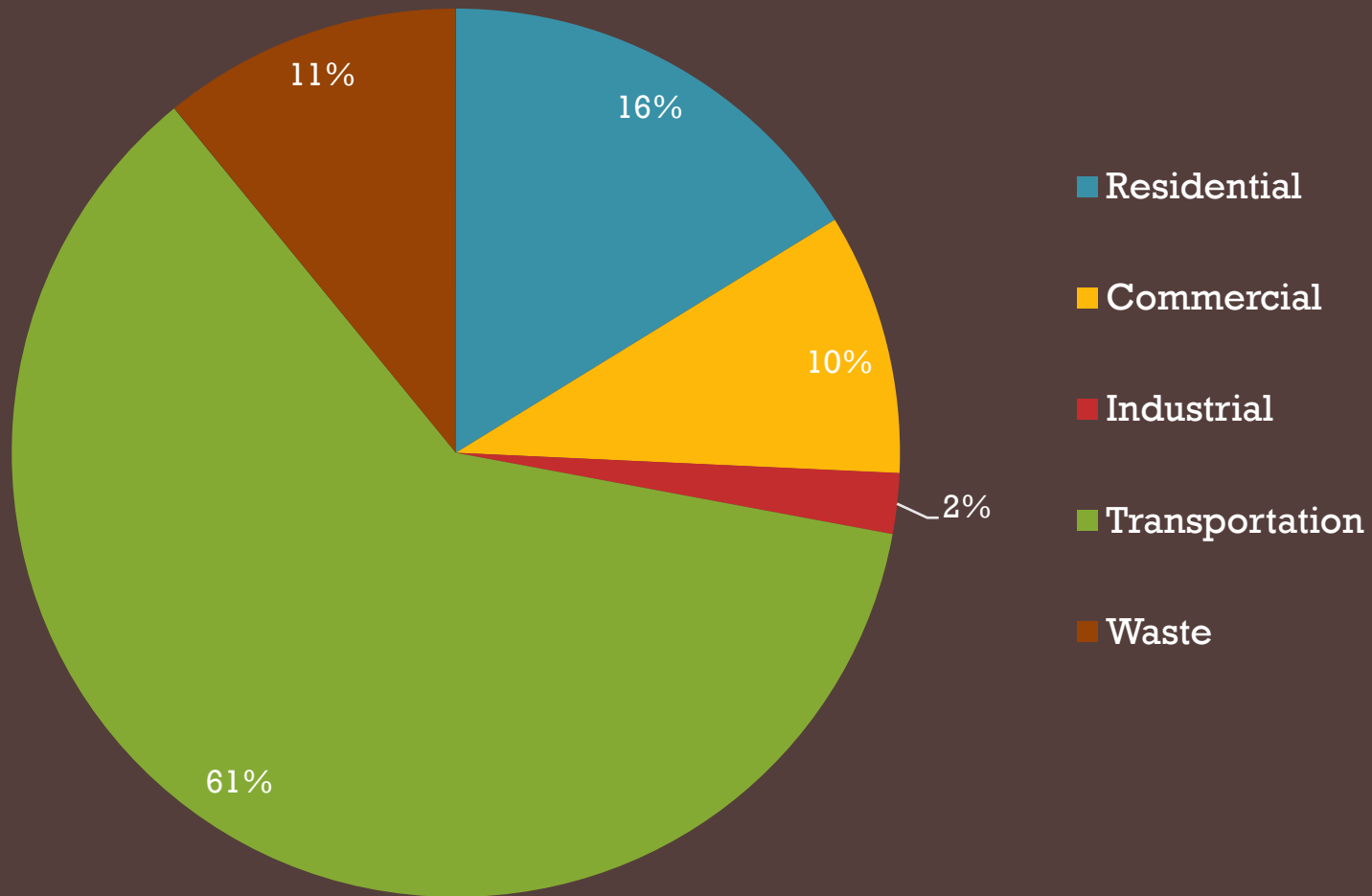
## 2005 Community GHG Emissions

### 171,128 Metric Tonnes CO<sub>2</sub>e

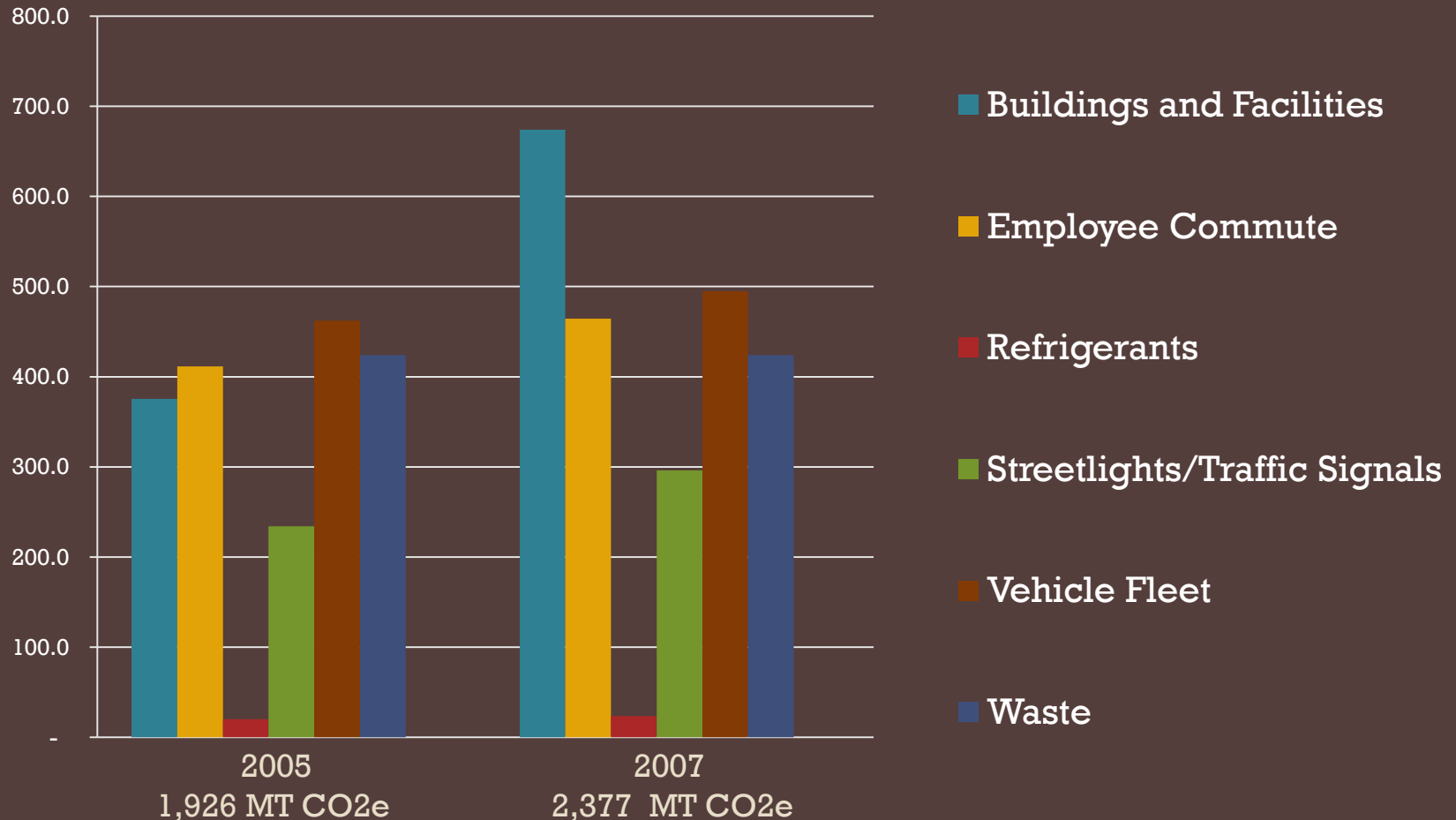


# City of San Pablo 2005 Community GHG Emissions Equiv CO 2 (%)

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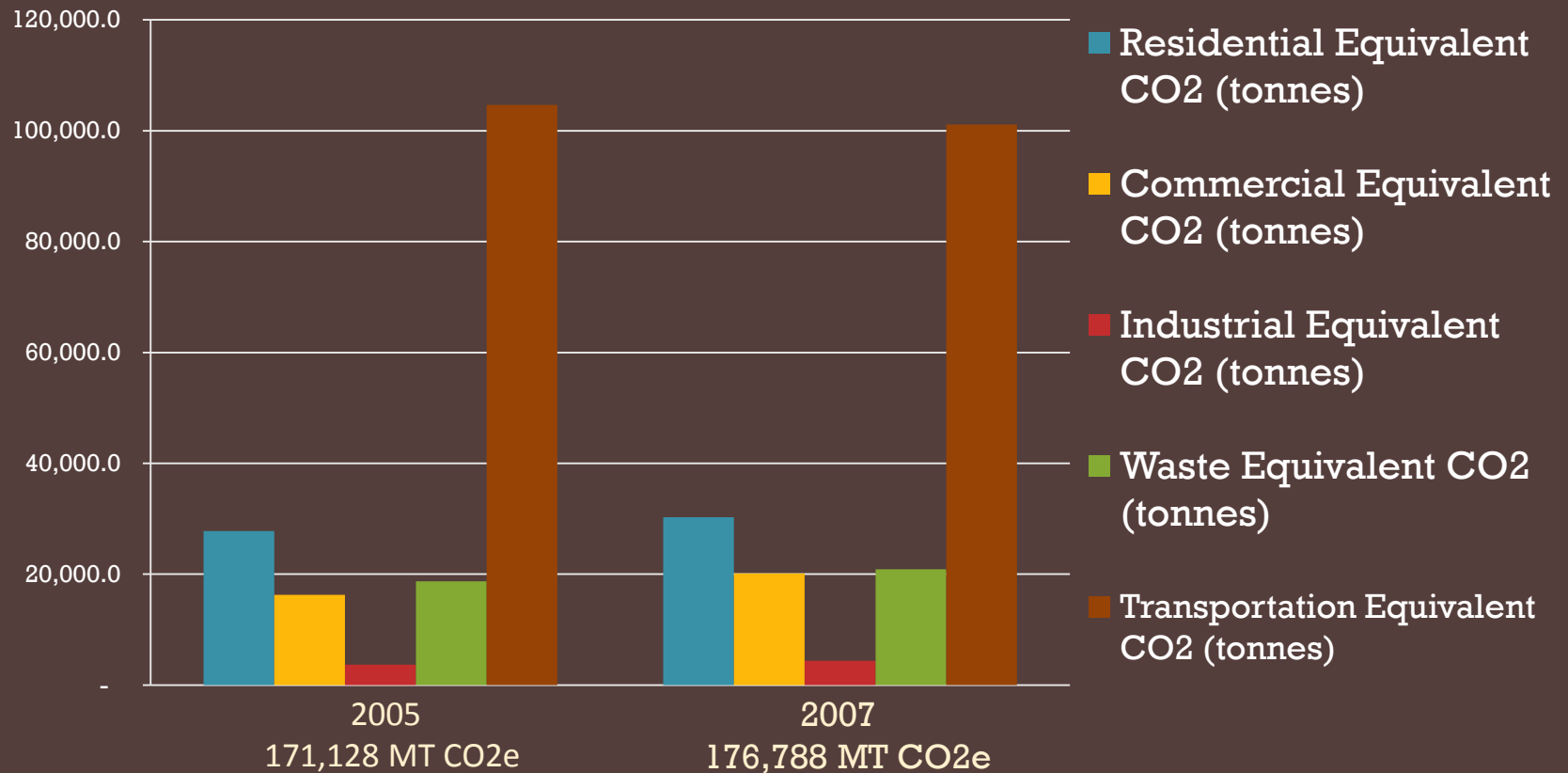


# City of San Pablo - Government GHG Emissions Equivalent CO<sub>2</sub> (tonnes) Comparison – 2005 base year to 2007 interim period



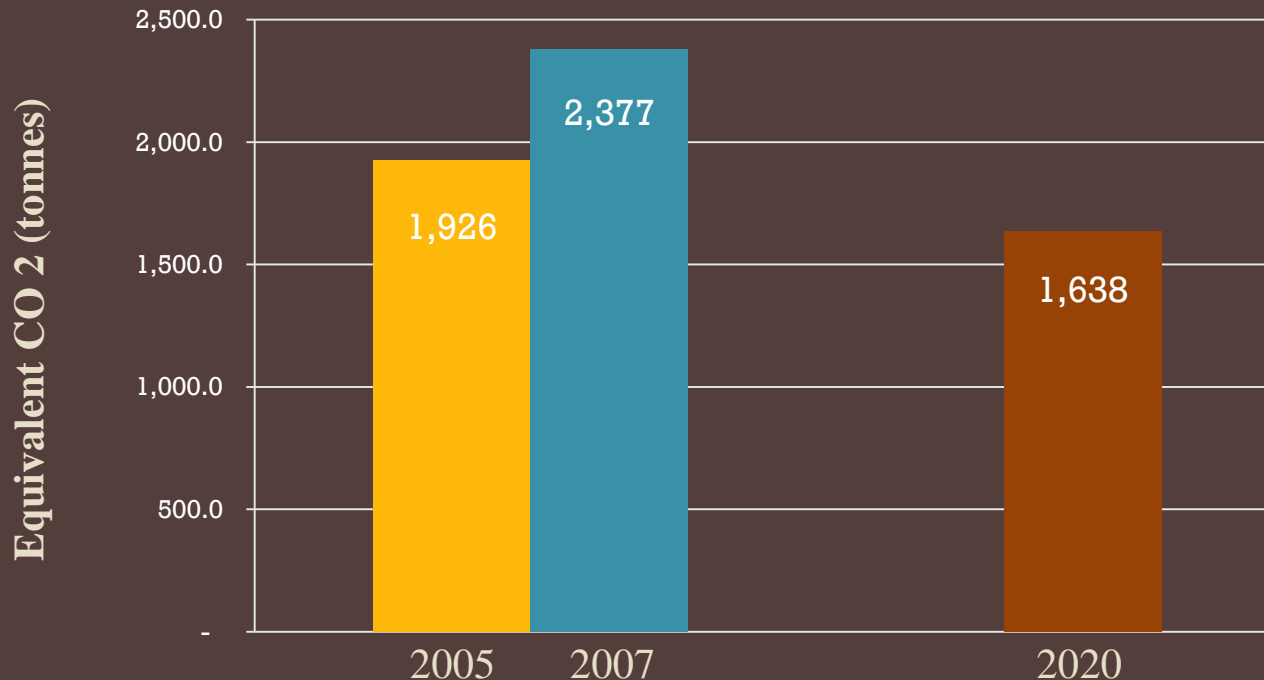


# City of San Pablo - Community GHG Emissions Equivalent CO<sub>2</sub> (tonnes) Comparison – 2005 base year to 2007 interim period



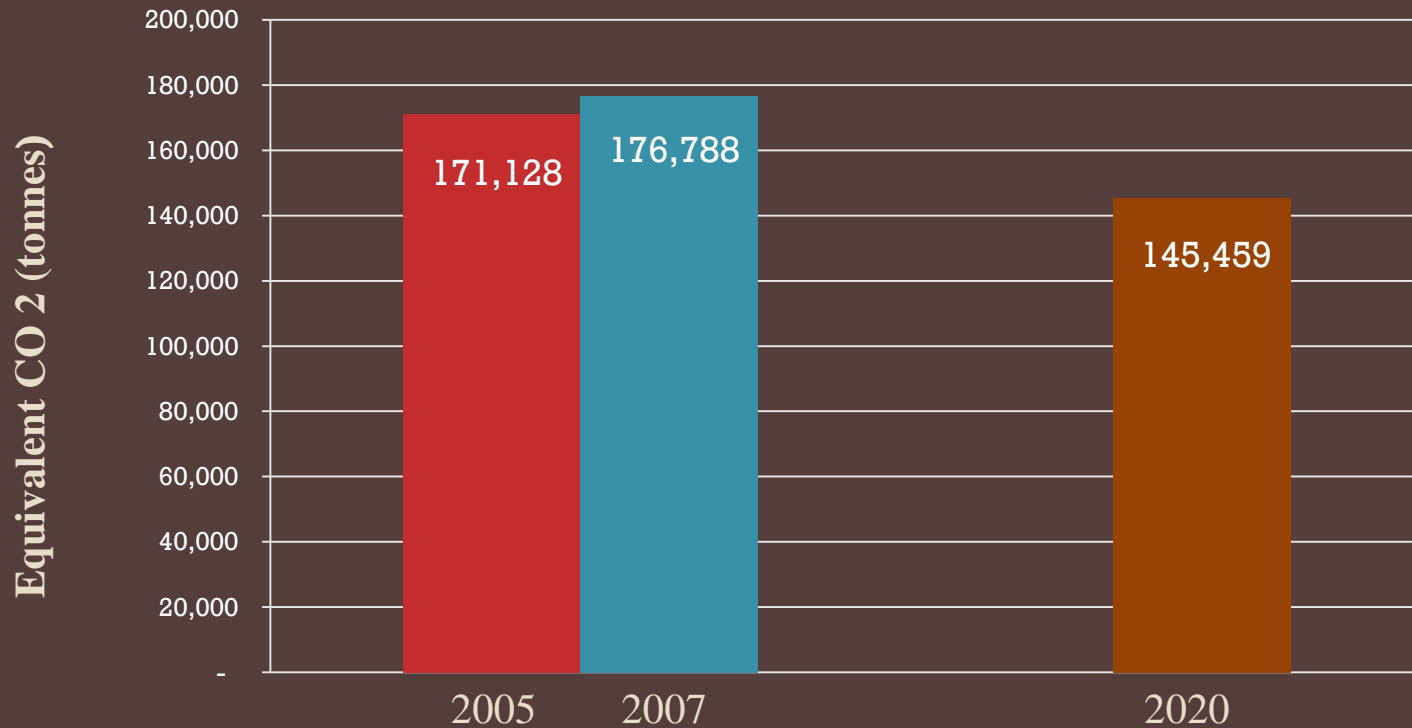
# City of San Pablo - Government Operations GHG Reduction of 15% from 2005 to 2020 (Assuming Business as Usual)

CARB recommends establishing a greenhouse gas emission reduction target of 15% below the 2005 baseline by the year 2020



We can strive to reduce energy use in City operations and the community as a whole

# City of San Pablo - Community GHG Reduction of 15% from 2005 to 2020 (Assuming Business as Usual)



Reduction Target of 15% by 2020  
Save \$\$\$, save Energy, Breath Easier

# EECBG Grant – in process

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- Federal Stimulus funds - \$169,886
  - City Hall lighting retrofit –
    - estimated annual energy savings of \$21,118 and annual CO2 emission reduction of 151,763 lbs
  - City owned streetlights retrofit to LED lights –
    - estimated annual energy savings of \$2,341 and CO2 emission reduction of 94,935 lbs
  - Parking lot light retrofit to LED lights -
    - estimated annual energy savings of \$2,432 and CO2 emission reduction of 5,492 lbs

# EPA Climate Showcase Communities Grant

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● EPA Climate Showcase Communities grant - San Pablo, El Cerrito, Albany, Piedmont

● approx. 72K to San Pablo

- HVAC upgrade to City Hall
- Residential and commercial energy efficiency incentives
- Some staff support

# Community Programs

## GHG Reduction Measures

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- **Contra Costa County and PG&E**
  - Low income weatherization program
  
- **Business Retrofit program – Smart Lights**
  - 37 business lighting upgrades done, estimated savings of over 9,500 kWh/yr









# Potential GHG Reduction Programs to implement:

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## ● CaliforniaFirst -

- property owners - property tax loan program - energy efficient retrofits.

## ● Publicize ABAG Residential Energy Retrofit program to San Pablo property owners - Contra Costa County awarded \$1.1 million in rebates for property owners

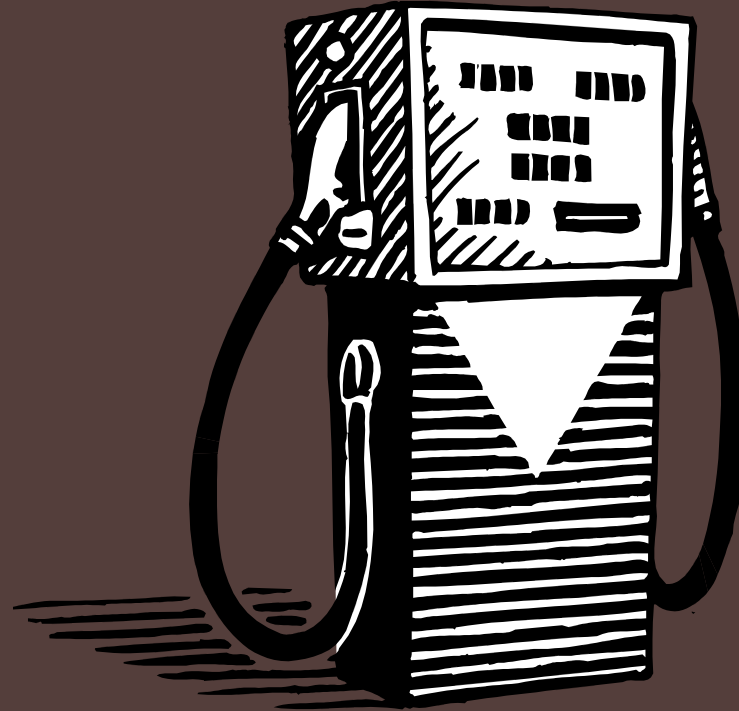
- energy retrofit programs
- 20% energy savings = 20% rebate on cost



**Reduce Waste going to the Landfill**



Plant Trees –  
Trees  
sequester  
Greenhouse  
Gases



Consider Green Vehicle Purchases for City



**Encourage Community to use CFL and Led lightbulbs**