

# City of Brisbane

## Introduction to Environmental Action Plan Project

Presentation to Open Space and Ecology Committee

11/12/2014

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# Agenda

- Project Background
- C/CAG and DNV GL roles
- Key components of an Environmental Action Plan
- Review of each component and where feedback will be needed
- Next steps



# Background on City/County Associated Governments (C/CAG) San Mateo initiative

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- 2006: AB 32 Global Warming Solutions Act
- 2009: State adopts amendments to CEQA Guidelines related to greenhouse gas emissions (GHG)
- 2011: C/CAG San Mateo initiates Regionally Integrated Climate Action Planning suite (RICAPS) to develop templates to help cities with sustainability planning
- 2013 – 2014: C/CAG San Mateo provides technical assistance for remaining cities to complete Climate Action Plans and Environmental Action Plans

## Climate Action Plan Process: C/CAG and DNV GL role

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- Regional Integrated Climate Action Planning Suite (RICAPS)
  - Tools for technical analysis
  - Template for Climate/Environmental Action Plan word document
  - Monthly working sessions
  - C/CAG Technical Assistance Contract
- **Objective:** Assist cities to develop Climate/Environmental Action Plans
  - Approximately \$10,000 available for each jurisdiction

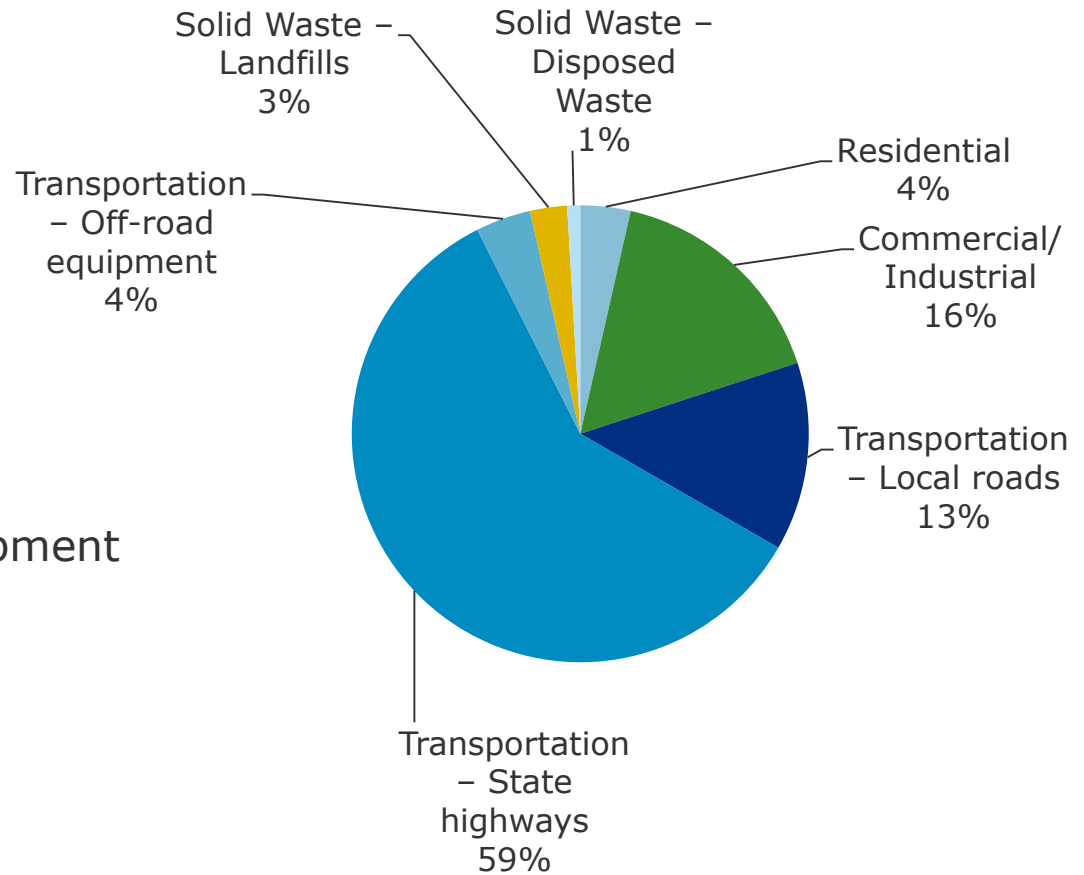
# Key Components of an Environmental Action Plan

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1. GHG baseline emissions inventory (2005)
2. GHG reduction target consistent with AB 32  
(15% below 2005 by 2020)
3. Programs, policies and actions to achieve target
4. Implementation steps and responsible staff, including monitoring and GHG inventory updates
5. Adopt Qualified CAP in public process following environmental review

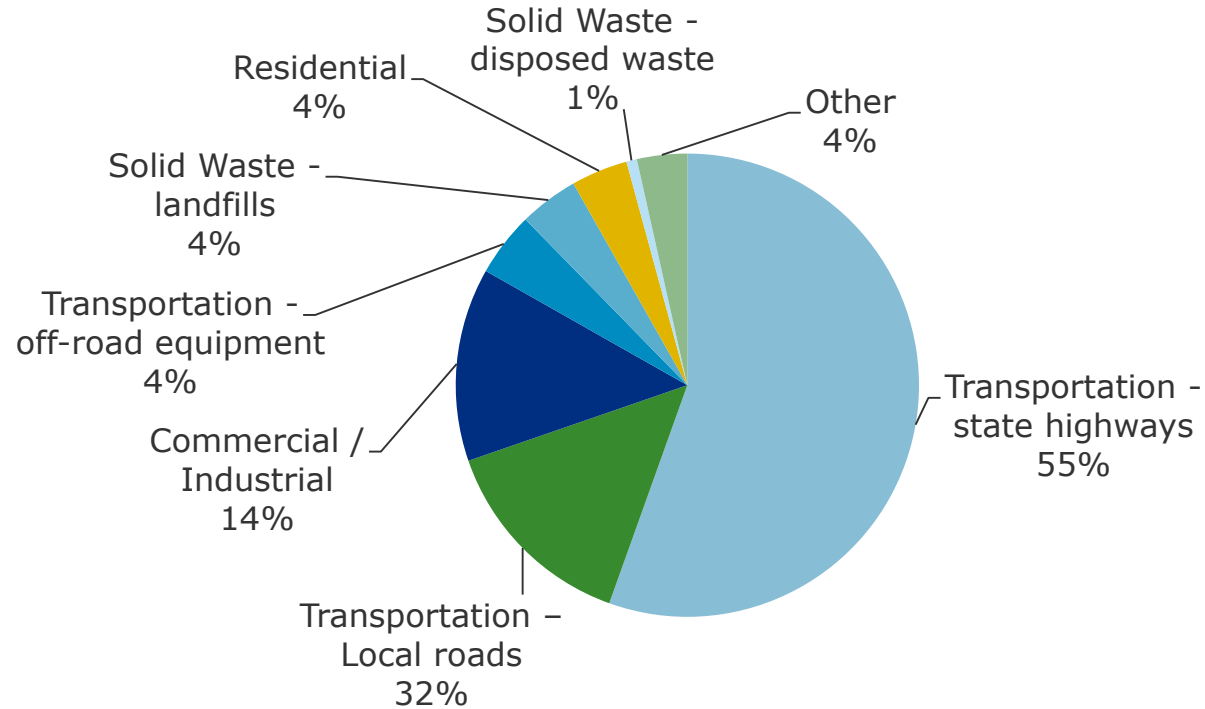
# 2005 Community GHG Inventory for City of Brisbane

- 160,944 metric tones
- Largest categories:
  - Transportation – state hwys
  - Commercial/Industrial
  - Transportation – local roads
- Next largest:
  - Transportation – off road equipment
  - Residential

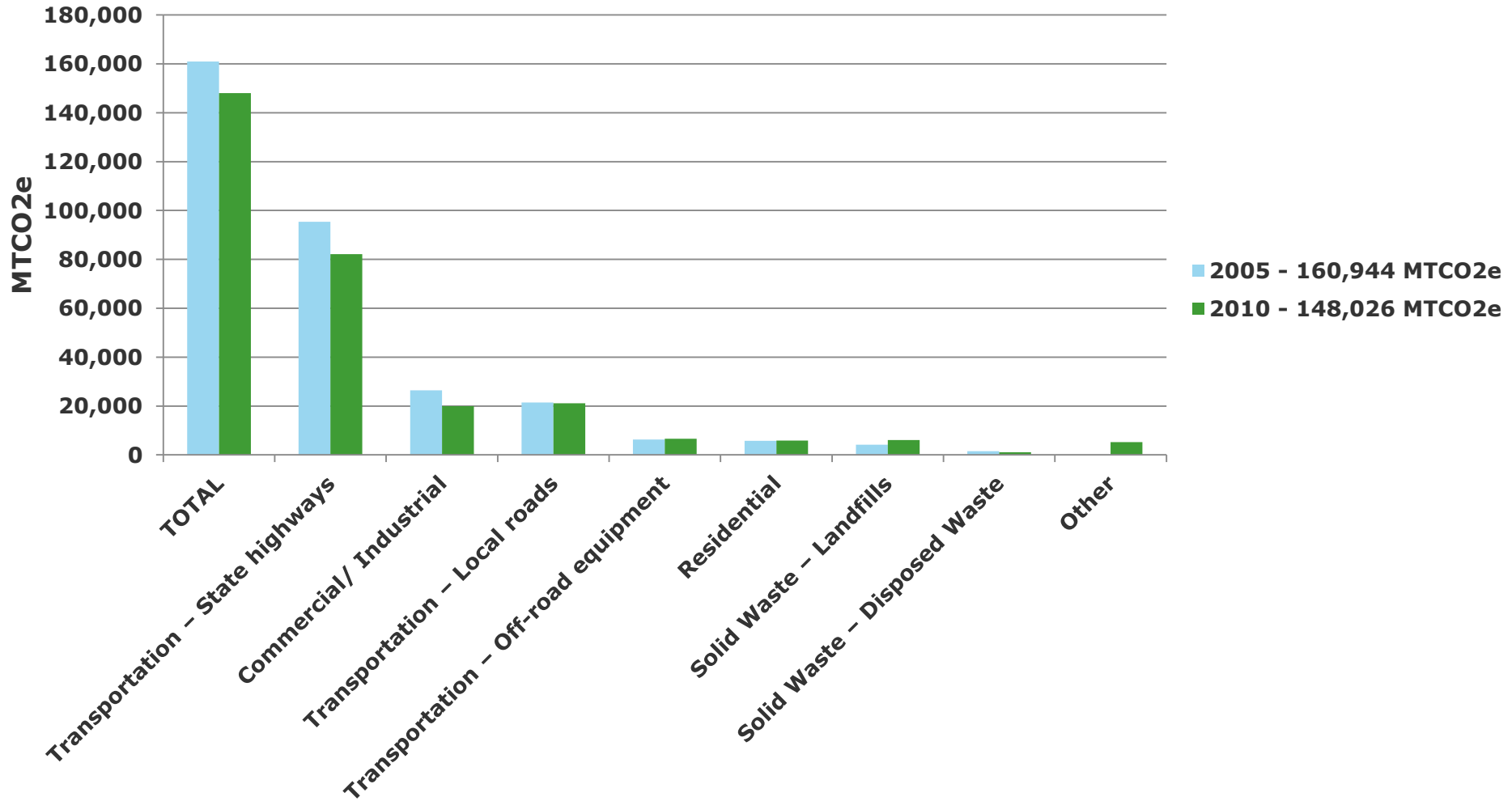


# 2010 Community GHG Inventory for City of Brisbane

- 148,026 metric tones
- 6% decrease from 2005
- Other sources included:
  - Stationary sources
  - Caltrain
  - Freight trains
  - Wastewater
  - Water



# 2005 - 2010 Community GHG Inventory Comparison





# Existing Programs and Projects Already Underway

## GHG Reduction Initiatives

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- **City environmental initiatives**

- Free commuter shuttle
- LED streetlights upgrade program
- Solar thermal heating for community pool

- **Baylands development environmental initiatives**

- Formation of Sustainability Committee (2009)
- Sustainability Action Plan for the Baylands
  - One Planet Principles (zero carbon buildings, zero waste, etc.)
- Environmental Impact Report (EIR) for Baylands
  - Community-based alternative land use plan
  - Renewable energy alternative plan

# New Measures and Actions to Reduce Energy and Emissions

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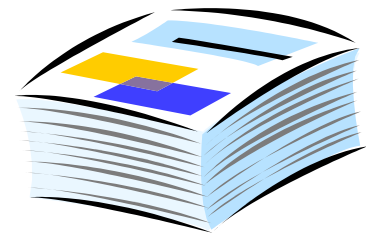
C/CAG Menu of Measures [Review handout]

- Provides list of different measures for consideration, with focus on:
  - Energy
  - Solid waste
  - Water
- Open discussion

## What the Environmental Action Plan might look like

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- Ch. 1: Introduction
- Ch. 2: GHG Inventory and Forecast
- Ch. 3: Energy, Solid Waste and Water Strategies
- Ch. 4: Implementation
- Ch. 5: Monitoring and Improvement
- Ch. 6: Conclusion



## Next Steps

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1. Finalize list of measures for Environmental Action Plan
2. Once EAP measures are selected:
  - Use C/CAG Menu of Measures Tool to calculate
    - Energy and GHG reduction estimated for Measure score based on benefits and costs for prioritization

# Open Space and Ecology Committee

## Proposed Schedule

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| Meeting       | Topic  |
|---------------|--|
| November 2014 | EAP kick-off   |
| January 2015  | Review final list of EAP measures                                |
| March 2015    | Review calculations of GHG impact and prioritization of measures |
| May 2015      | Review draft EAP   |