

City of Piedmont Climate Action Plan 2.0

March 19, 2018



Agenda

- Why Update the Climate Action Plan?
- CAP 2.0 Development Process
- 2015 Greenhouse Gas Inventory
- Climate Action Plan 2.0 Overview
- CAP 2.0 Review Process
- Summary of Public Comments
- Recommendation and Acknowledgements



Why a New Climate Action Plan?

- ✓ Goals of 2010 Climate Action Plan met
 - Reduce emissions by 15% below 2005 levels by 2020
- ✓ Commitment to action
 - Piedmont joined the Global Covenant of Mayors in 2016
 - Must perform annual greenhouse gas (GHG) inventories, establish a GHG reduction target, and complete an updated CAP
- ✓ State requirements
 - California is a leader in addressing climate change
 - Assembly Bill 32
 - Senate Bill 32



CITY OF PIEDMONT
CLIMATE ACTION PLAN

Piedmont Climate Action Plan 2.0



CAP 2.0 Development Process

- City staff conducts greenhouse gas inventory for 2015
- Climate Action Plan Task Force
 - 11 duly noticed public meetings, April 2017 – February 2018
 - Recommendation given on January 10, 2018
- Community Workshop on November 7, 2017 – Initial Draft
- Community Open House on February 26, 2018 – Final Draft
- 45-day Public Comment Period Jan 16-March 2, 2018
 - Written comments received
 - CAP Survey available from January 30th to March 2nd



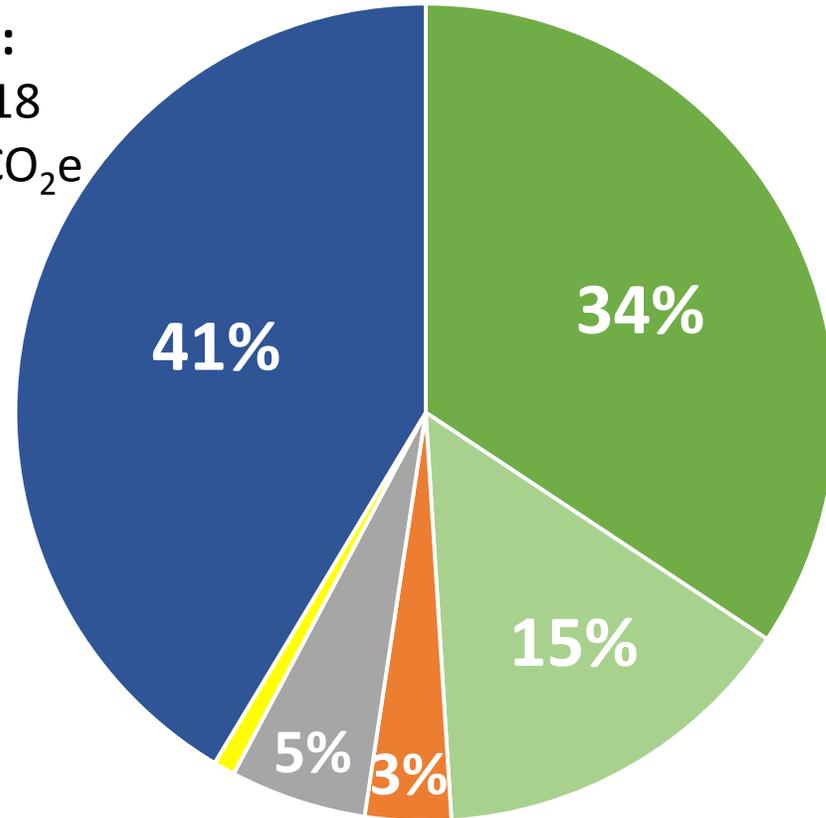
2015 Greenhouse Gas Inventory

- ✓ Required as per membership to the Global Covenant of Mayors
- ✓ Community Inventory Results
 - All inventories measured against 2005 baseline inventory
 - 2005 baseline: 48,818 MT CO₂e
 - 2015 Total Emissions: 38,498 MT CO₂e
 - This represents a 21% decrease in emissions
 - All inventories have been in-boundary-based

Greenhouse Gas Inventory (2005 & 2015)

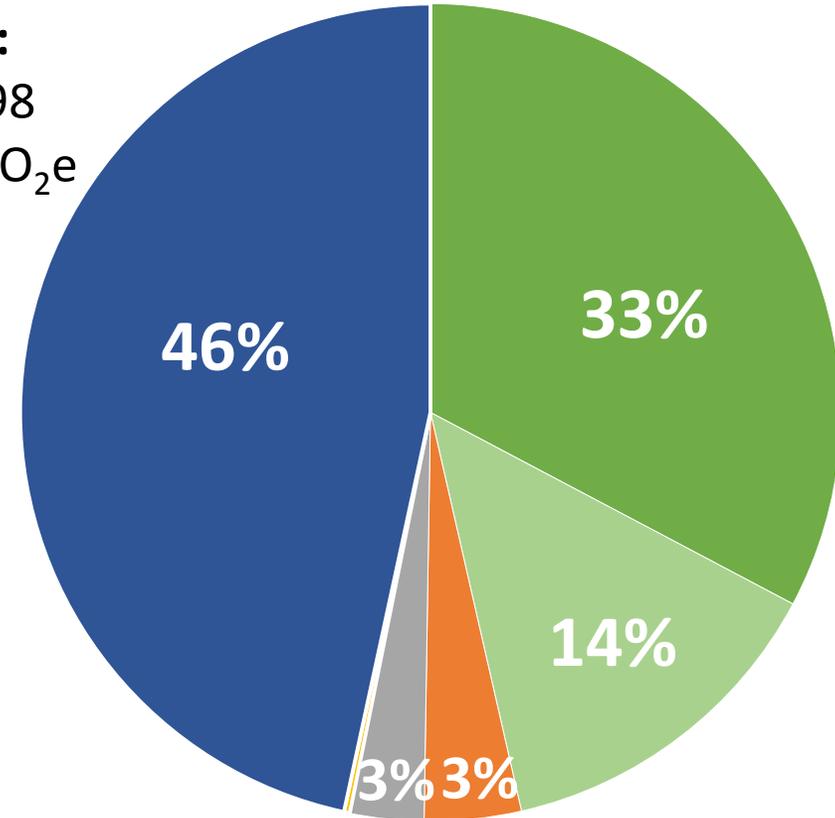
2005:

48,818
MT CO₂e



2015:

38,498
MT CO₂e



Transportation

Residential Natural Gas

Residential Electricity

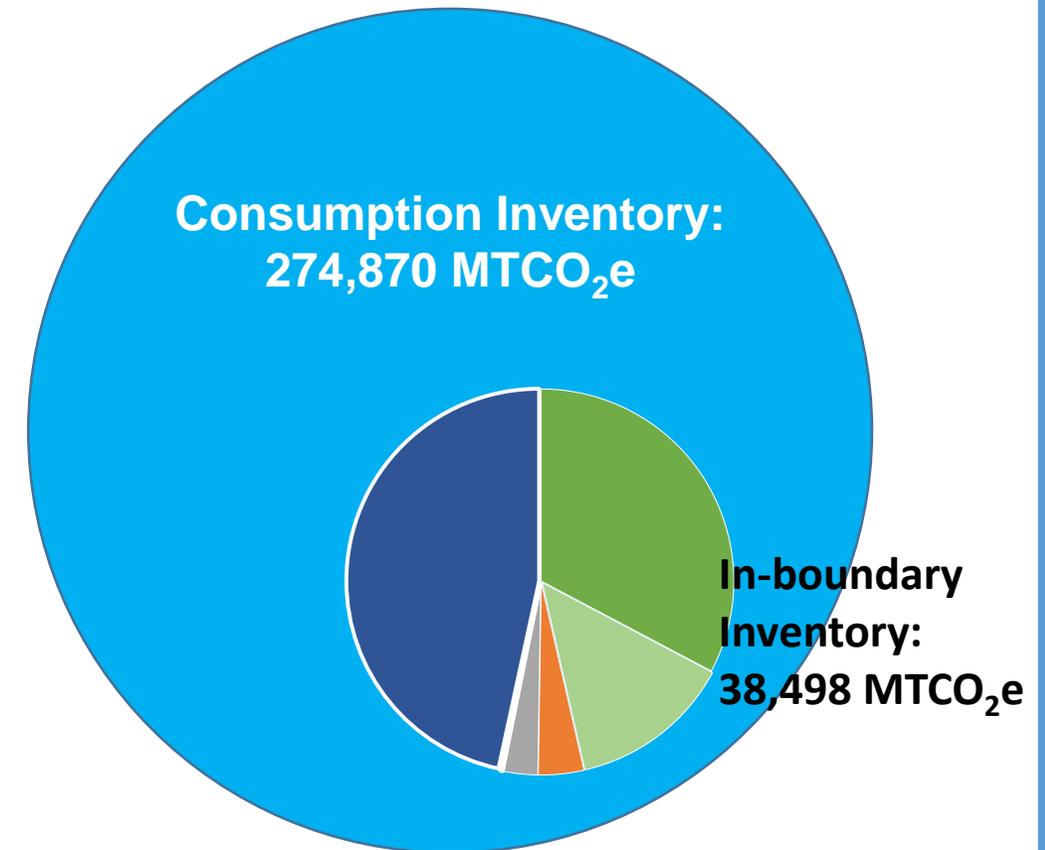
Commercial Buildings

Solid Waste

Water (<1%)

Consumption-Based GHG Inventory

- Not included in Piedmont's traditional, in-boundary GHG emissions inventories
- Study conducted by BAAQMD and UC Berkeley
- Study focuses on five sectors: housing, transportation, food, goods, and services
- Estimates for sectors not included in our in-boundary inventory:
 - Food: 36,000 MT CO₂e
 - Goods: 58,000 MT CO₂e
 - Services: 59,000 MT CO₂e
 - TOTAL: 153,000 MT CO₂e



Climate Action Plan 2.0 Overview

- Reduction targets
 - 40% below 2005 emissions levels by 2030
 - 80% below 2005 emissions levels by 2050
- Major goals within plan:
 - Purchase 100% renewable energy
 - Continue energy efficiency retrofits and rooftop solar installations
 - Switch from natural gas to electric appliances
 - Increase trips made by walking, biking, and public transportation
 - Increase awareness of consumption-related emissions
 - Accelerate the adoption of Zero Emissions Vehicles (ZEVs)
- Strategies
 - Community
 - Municipal
 - Adaptation
 - Implementation



California policies are already impacting Piedmont's emissions. Updated building codes, renewable energy portfolio standards, and fuel efficiency standards for cars have reduced the energy consumption of buildings and vehicles. In fact, forecasts of emissions show that actions by the State of California alone will substantially reduce Piedmont's emissions. However, without local action Piedmont will not meet its 2030 target. The state will provide an estimated 85% of the reductions needed and Piedmont will need to provide the additional 15%. This CAP 2.0 provides a pathway to build on state action to meet the 2030 target and position Piedmont to meet the 2050 target of 80% below baseline emissions.

Objectives, Measures, and Actions

CAP Objectives were developed in response to the results of Piedmont's GHG inventory. Measures were developed to support the Objectives of the CAP and include taking positive action items the City and community can take to achieve their goals. CAP measures are focused on taking positive actions that are both accessible to all community members and economically beneficial. Actions include providing infrastructure for low carbon transportation and water conservation, incentivizing and requiring efficient building design, providing education on GHG emissions sources, and reducing climate hazards. All objectives, measures, and actions were reviewed by the CAP Task Force.

⁴ Calculation based on estimated forecasts of emissions due to current California policies and general trends.

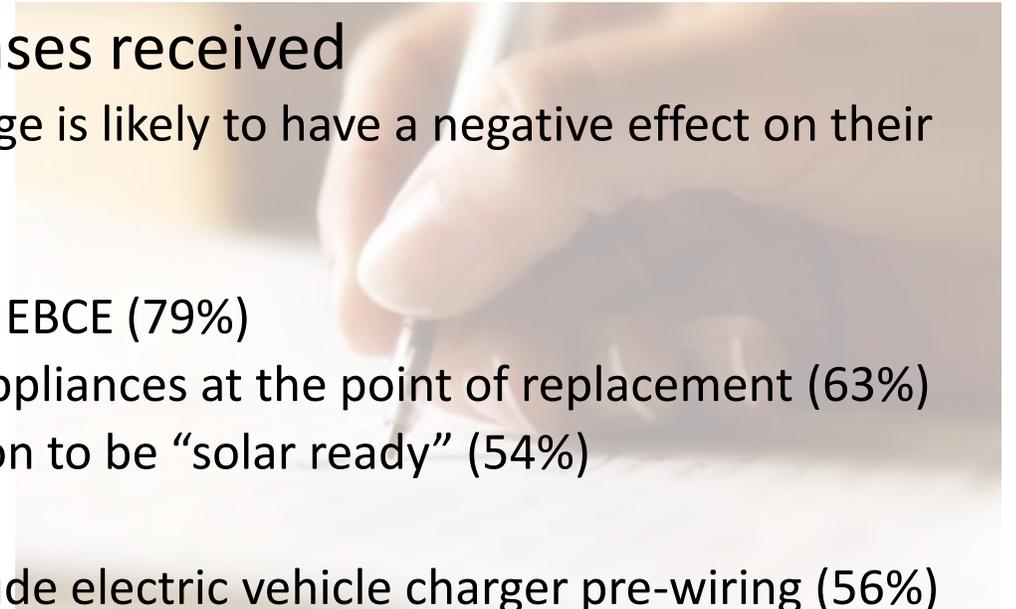
CAP 2.0 Review Process

- **October 27, 2017 – First draft review**
Task Force members and City Department Heads receive first draft
- **November 7, 2017 Community Workshop**
Public provides additional comments
- **December 1, 2017 -**
Draft CAP 2.0 first posted to the City website
- **January 10, 2018 – TF Recommendation**
Task Force recommends CAP 2.0 adoption by City Council
- **January 12, 2018 - CEQA documents filed**
CEQA Initial Study and Notice of Intent to adopt a negative declaration filed with State Clearinghouse and County
- **January 16, 2018 – 45-day public comment period starts**
Final draft of CAP 2.0 and CEQA Negative Declaration posted to City website
- **March 2, 2018 - 45-day public comment period ends**



Public Comments

- 13 written comments and 118 survey responses received
 - Vast majority of respondents agree that climate change is likely to have a negative effect on their or their children's lives by the end of the next decade
- Support for:
 - Purchasing 100% renewable energy through PG&E or EBCE (79%)
 - The City requiring the installation of high efficiency appliances at the point of replacement (63%)
 - The City requiring roofs undergoing a major renovation to be "solar ready" (54%)
- Opposition to:
 - The City requiring garage or carport remodels to include electric vehicle charger pre-wiring (56%)
- Suggestions:
 - The City should enforce its ban on gas leaf blowers
 - Incentivize high density housing and behavioral change
 - The City should provide frequent updates on meeting goals and sharing local success stories and metrics



Recommendation

The Climate Action Plan Task Force recommends City Council to approve a resolution to adopt the City of Piedmont Climate Action Plan 2.0 and the Negative Declaration for the City of Piedmont Climate Action Plan 2.0

Acknowledgements

City Staff would also like to acknowledge:

Climate Action Plan Task Force:

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and support

