

Town of Atherton Climate Action Plan Project

Presentation to Environmental Programs Committee

October 21, 2014

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Today's Meeting Objectives

- Understand state-mandated emissions reduction targets for Atherton
- Review results of Climate Action Plan measures analysis
- Finalize list of Climate Action Plan measures to be included in the document



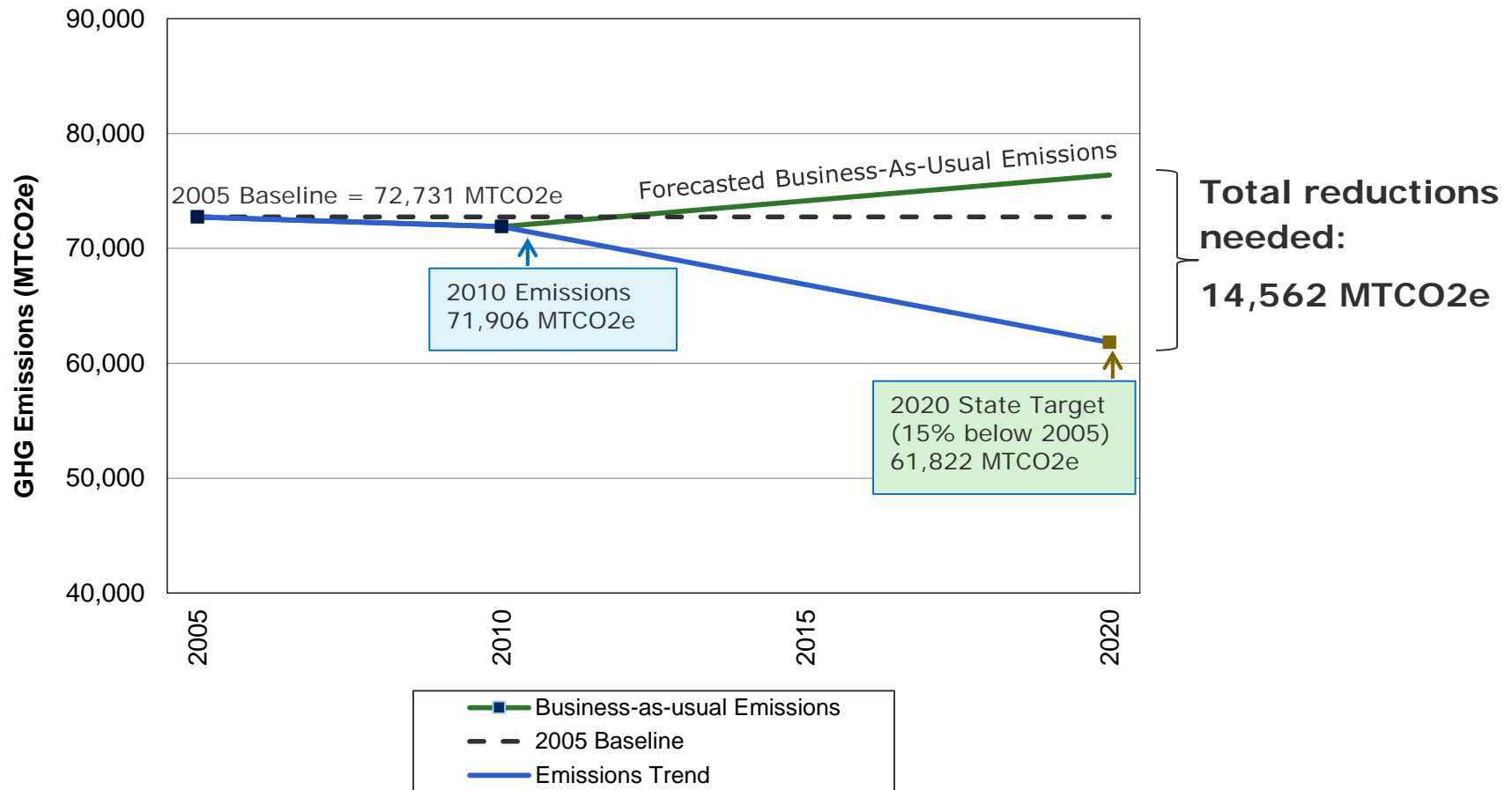
Key Components of a Qualified CAP

- ✓ 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

Atherton GHG Emissions and State Target

- Association of Bay Area Governments (ABAG) estimates for population and job growth were used to forecast emissions for 2020



Atherton GHG Emissions and State Target

- Fortunately, state-level actions and policies count towards reducing Atherton's GHG emissions

State policy	Sector	Sector Reductions	Reduction for Atherton
AB 1493 Pavley Bill	Transportation	19.7%	6,923 MTCO ₂ e
California Renewable Portfolio Standard	Transportation	7.20%	2,530 MTCO ₂ e
Low Carbon Fuel Standard	Electricity	17%	2,313 MTCO ₂ e
Total Reductions Attributable to State Policy			11,767 MTCO₂e
Total Reductions Needed to meet State Target			14,562 MTCO₂e

Remaining GHG reductions needed from city-level policies:

2,795 MTCO₂e

Analysis of City-Level Measures for Climate Action Plan

- Handout: "Town of Atherton: List of Climate Action Plan Measures and GHG Savings"
- Total GHG savings (Measures Selected as "Yes") = 2,600 MTCO₂e
- Total GHG savings (Measures Selected as "Maybe") = 1,685 MTCO₂e
- Together, total savings = 4,285 MTCO₂e

Remaining GHG reductions needed from city-level policies:

2,795 MTCO₂e

Summary of Measures Selected as “Yes”

Code	Measure Name	Propose for CAP? (Yes/No/Maybe)	GHG Emissions Savings by 2020 (MTCO2e)
EC4	Participate in Energy Upgrade Program and similar residential rebate/incentive programs as they become available and promote existing rebates (PG&E, State, Federal)	Yes	775
EC5	Promote PG&E commercial and industrial energy efficiency/demand response programs	Yes	129
EC6	Implement program for shade trees	Yes	146
EM1	Energy efficient street lighting	Yes	6
EM2	Environmentally preferred purchasing policy - Energy	Yes	2
EM3	Municipal green building policy	Yes	7
EM4	Renewable energy installation on municipal property.	Yes	29
EM5	Energy efficiency in municipal buildings	Yes	8
TL2	Walkable/bikeable street landscape	Yes	233
TL3	Bike and car sharing	Yes	50
TL5	Preferred Parking Policy	Yes	Supporting measure
TM1	Efficient fleet policy	Yes	2
TM3	Implement Public Employee Commuting Program	Yes	1
WC1	Set higher diversion rate goal	Yes	1,110
WC2	Commercial recycling ordinance	Yes	Supporting measure
WC3	Create Sustainable Vendor Policy at Public Events	Yes	Supporting measure
EW1	Water conservation incentives	Yes	43
EW2	Water conservation ordinance	Yes	58
TOTAL EMISSIONS SAVINGS			2,600

Summary of Measures Selected as “Maybe”

Code	Measure Name	Propose for CAP? (Yes/No/Maybe)	GHG Emissions Savings by 2020 (MTCO ₂ e)
EC1	Commercial green building ordinance	Maybe	17
EC2	Residential green building ordinance	Maybe	323
TL4	Parking Policies	Maybe	1,318
TM4	Adoption of low emission government vehicles	Maybe	17
WC4	Yard Waste Ordinance	Maybe	Supporting measure
WM1	Environmentally preferred purchasing policy - Waste Reduction	Maybe	Supporting measure
WM2	Establish a zero waste policy	Maybe	Supporting measure
TOTAL EMISSIONS SAVINGS			1,678

Remaining GHG reductions needed from city-level policies:

2,795 MTCO₂e

CAP Measures Selected “Yes” = 2,600 MTCO₂e

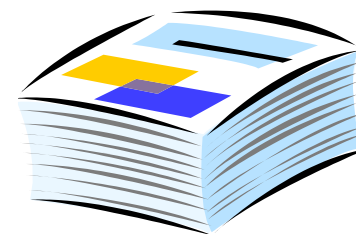
Remaining GHG savings needed = 195 MTCO₂e

Next Steps

1. Finalize list of measures for climate action plan
2. Review the climate action plan template
3. Write the draft climate action plan
 - Who should review?
 - When?
4. How to engage Town Council (and other key stakeholders)?

What the Climate Action Plan looks like

- Ch. 1: Introduction
- Ch. 2: GHG Inventory and Forecast
- Ch. 3: Climate Action Strategies
- Ch. 4: Implementation
- Ch. 5: Monitoring and Improvement
- Ch. 6: Conclusion



Status of Project Tasks

	Project Task	Status	Lead Agency
1	GHG baseline emissions inventory (2005)	Complete	
2	GHG reduction target consistent with AB (15% below 2005 by 2020)	Complete	DNV GL
3	Programs, policies and actions to achieve target	In progress	Atherton (with assistance from DNV GL)
4	Identify implementation steps and responsible staff		Atherton (with assistance from DNV GL)
5	Write climate action plan		Atherton (with assistance from DNV GL)
6	Adopt Qualified CAP in public process following environmental review		City Council (Planning Commission?)

Environmental Program Committee Proposed Schedule

Meeting	Topic
June 9, 2014	Review requirements for state target Finalize list of CAP measures for quantification
October 21, 2014	Review calculations of GHG impact and prioritization of measures
November 30, 2014	Review draft Climate Action Plan



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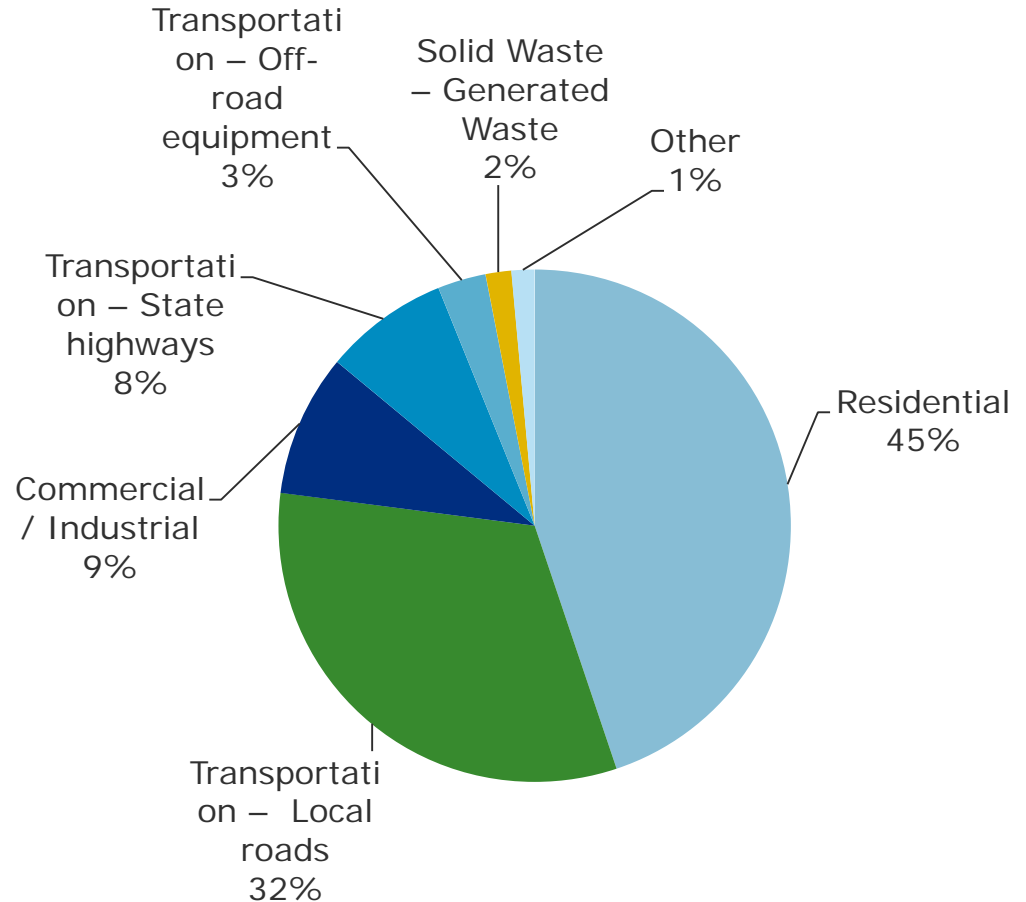
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SAFER, SMARTER, GREENER

2010 Community GHG Inventory for Town of Atherton

- 71,906 metric tones
- 3% decrease from 2005
- Other sources included:
 - Stationary sources
 - Caltrain emissions
 - Freight trains
 - Wastewater
 - Water



2005 - 2010 Community GHG Inventory Comparison

