



Mayor's Climate Recovery Ordinance Ad Hoc Work Group Meeting #3

Tuesday, May 12th, 2020



Housekeeping

- Ad Hoc members are Panelists, public viewers are Attendees.
- Only Ad Hoc Work Group Members will be unmuted
- There is no chat functionality in this meeting.



- Review Group Purpose and process
- Preview of Data for CAP 2.0
- Review and Discussion of New Actions

Agenda



Process Review

Review of Group Purpose



The purpose of the Mayor's Climate Recovery Ordinance Ad Hoc Work Group is to provide guidance on how to modify the Draft CAP2.0 and to provide input on additional actions to add to the plan to fully meet the CRO goals.

- The high-level topics, or themes, that should guide the document revision process
- Evaluation criteria for additional actions to add to the plan
- Additional actions to add to the CAP2.0 to achieve CRO goals, including some prioritization of the suggested additional actions
- CAP2.0 community engagement process moving forward



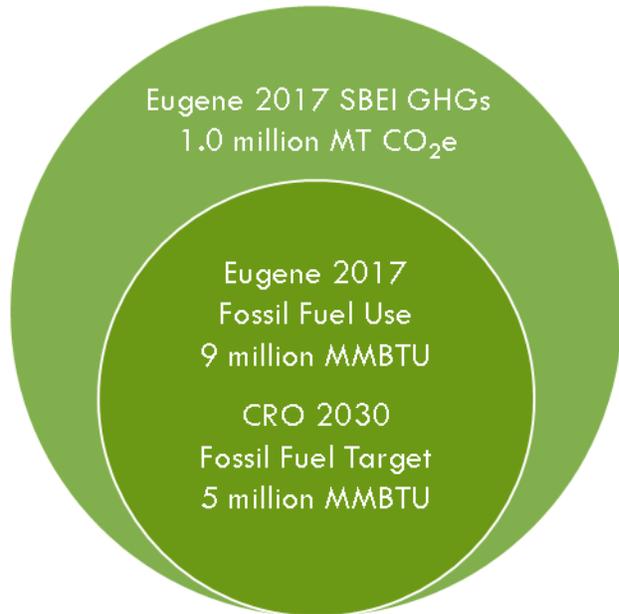
Mayor's CRO Ad Hoc Work Group Meeting Review

- February 12, 2020
 - Overview of CAP2.0 process and content
 - Small Group Discussions to identify positive aspects and areas for improvement
- March 11, 2020
 - Sharing of themes
 - Small group discussion regarding details for each theme



Preview of Data for CAP 2.0

Relationship between sector-based emissions and CRO fossil fuel target.

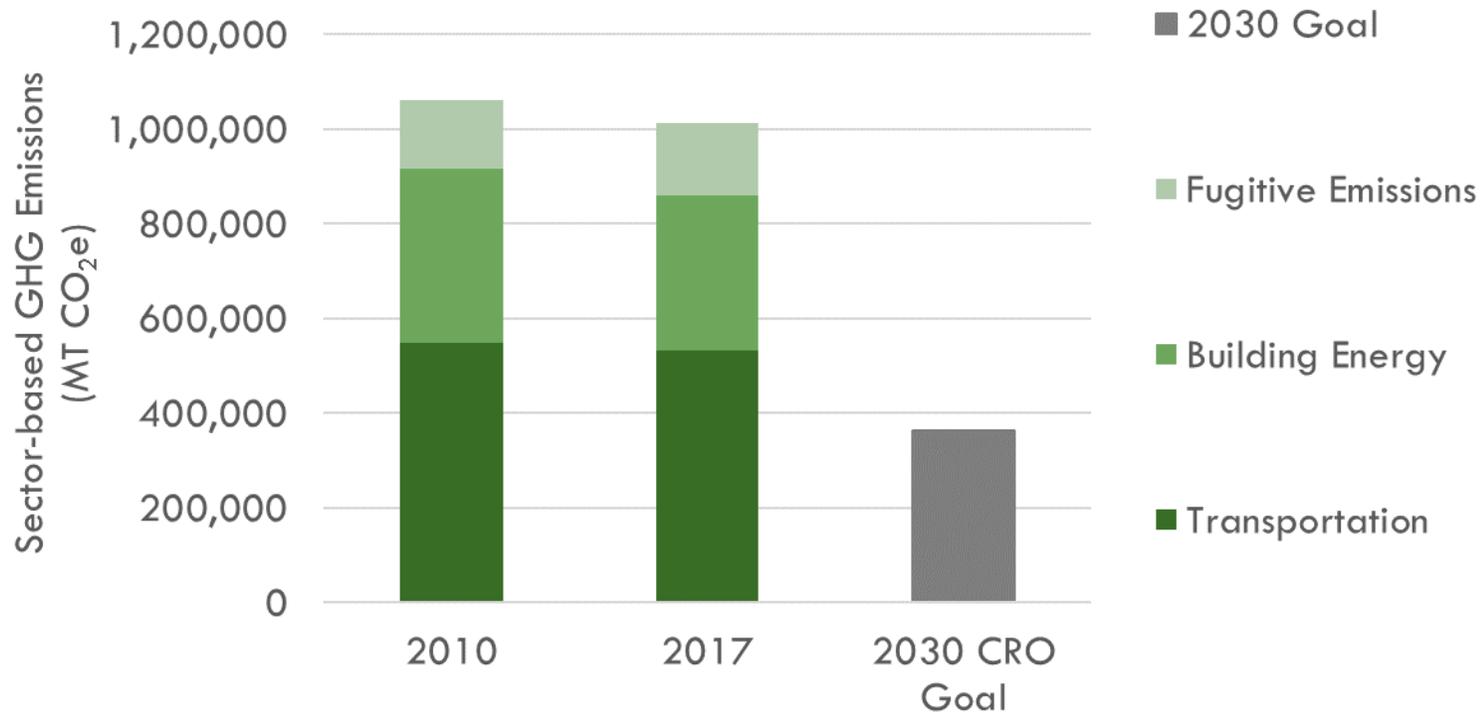


**Sector-Based Emissions
Inventory (SBEI)**

**Fossil Fuel Emissions
(CRO target)**

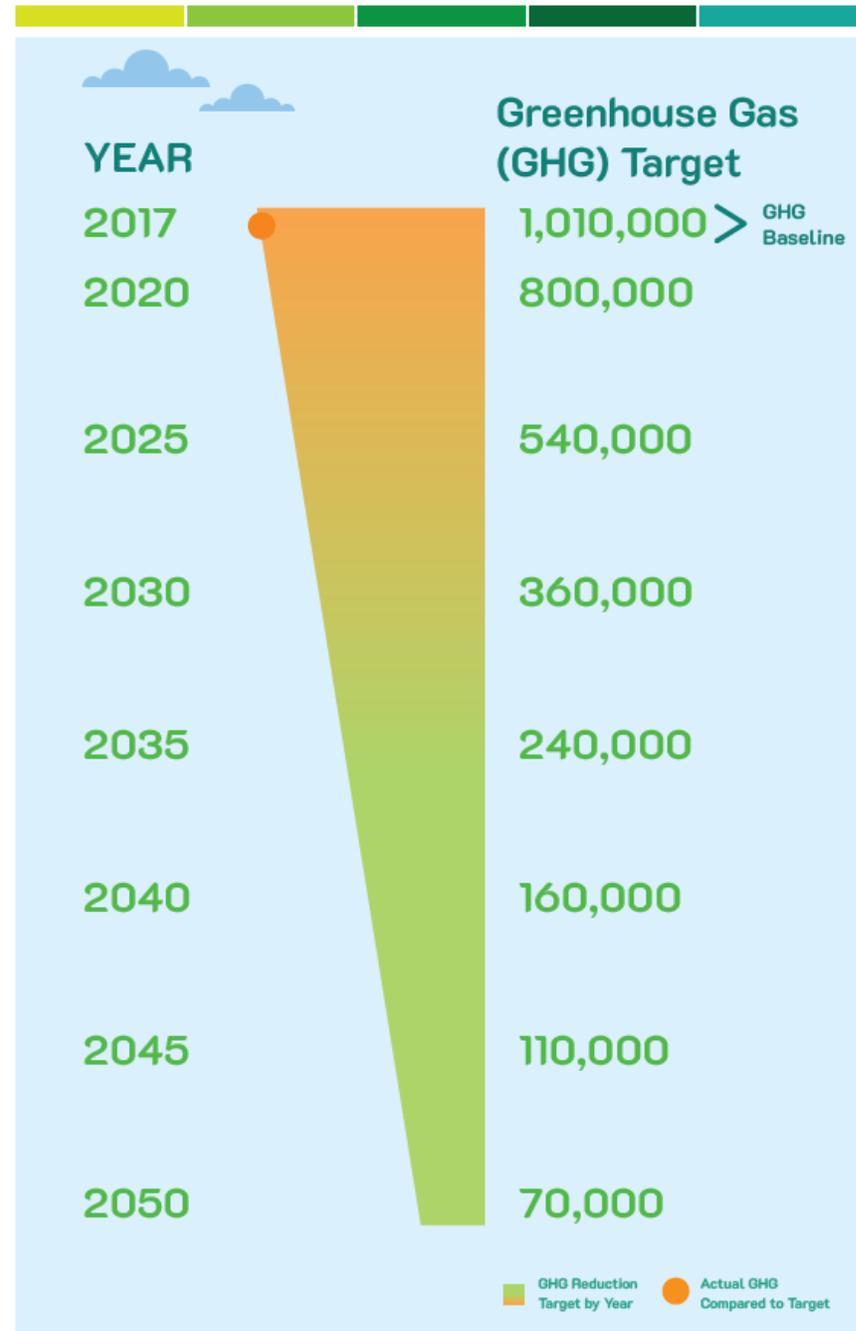
- 85% of our local emissions come from the use of transportation fuels and natural gas, or fossil fuels.

Comparison of 2010 and 2017 GHGs to the 2030 CRO Goal

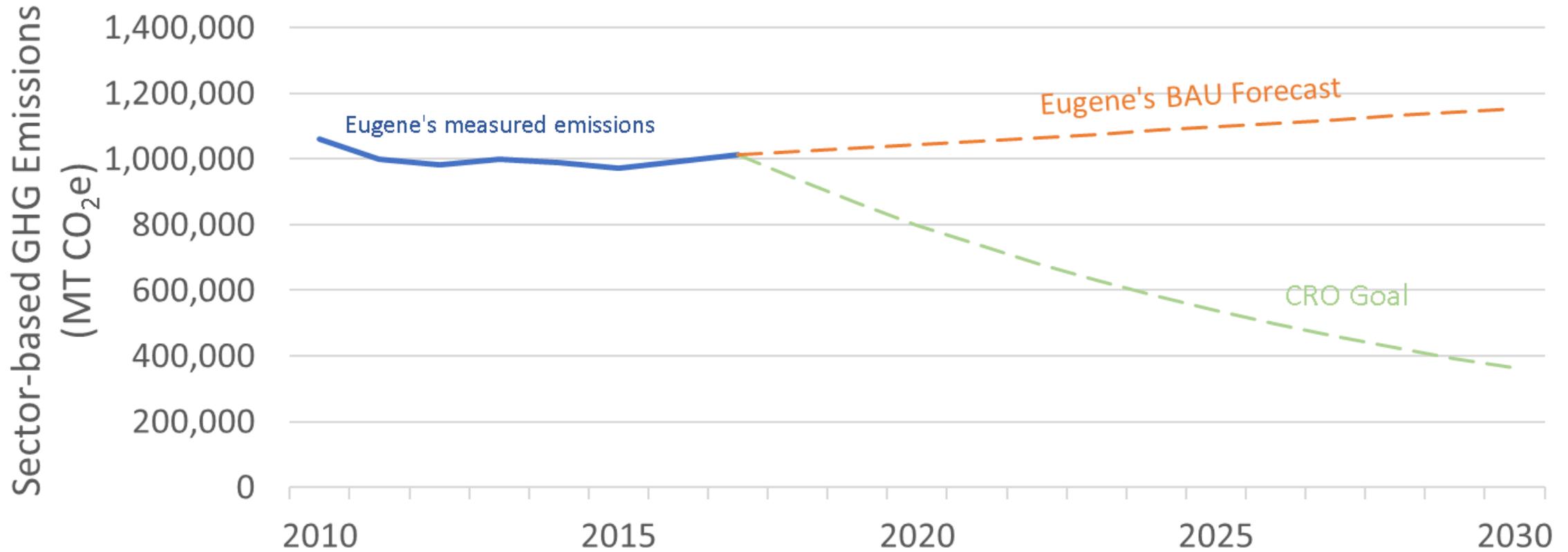


Emissions declined about 3 percent from 2010 to 2017, decreasing from 1.061 MT CO₂e in 2010 to 1.013 MT CO₂e in 2017.

Greenhouse Gas Emissions Target Thermometer



Eugene's Forecasted Business-As-Usual (BAU) Local Emissions compared to the CRO Emissions Goal





Pathway to the CRO

2030
Goal:

790,000 MT CO₂e

CAP2.0 Pathway to the CRO Actions

**Maximum
Potential 2030**

Goal

(790,000)

Emissions Reduction by Bucket

Transportation

(387,000)

Building Energy

(75,000)

Fugitive Emissions

(23,000)

Total Reductions from Commitments by Bucket

(485,000)

Emissions Reductions by Bucket

Strategies to Reach the Goal

1. Northwest Natural Franchise Agreement (Expected Fall 2020)
2. State and Federal Action
3. Community Vision (Ideas from the Ad Hoc Work Group Process)
4. Carbon Offsets as a short term solution

**305,000
MT CO₂e**
Needed to
meet the
CRO Goal

Strategies to Reach the Goal

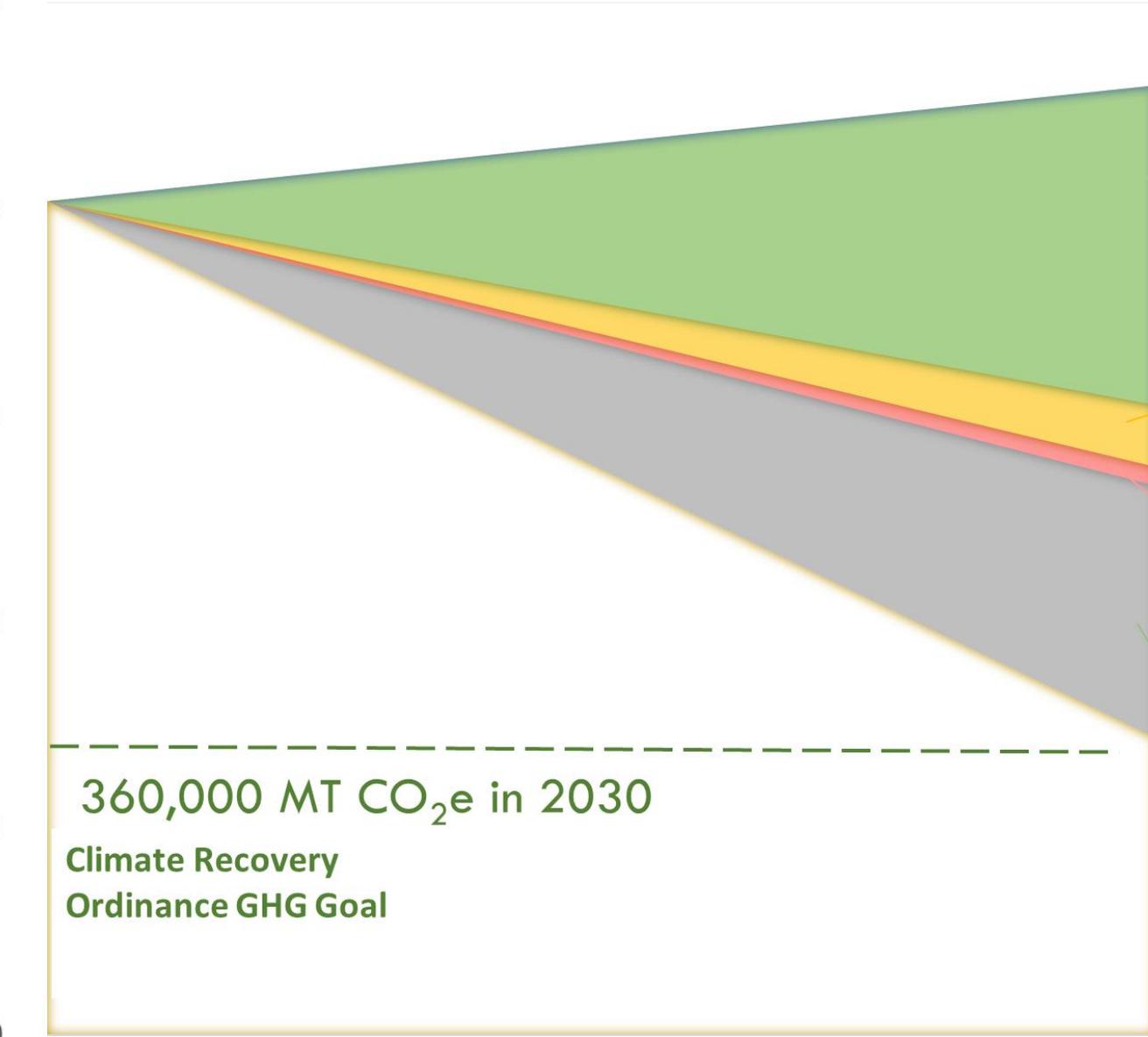


Visualizing the Pathway to the CRO

CAP2.0 REDUCTIONS BY BUCKET

GREENHOUSE GAS EMISSIONS (MT CO2E)

1,250,000
1,000,000
750,000
500,000
250,000
0



2017

2030

360,000 MT CO₂e in 2030
Climate Recovery
Ordinance GHG Goal

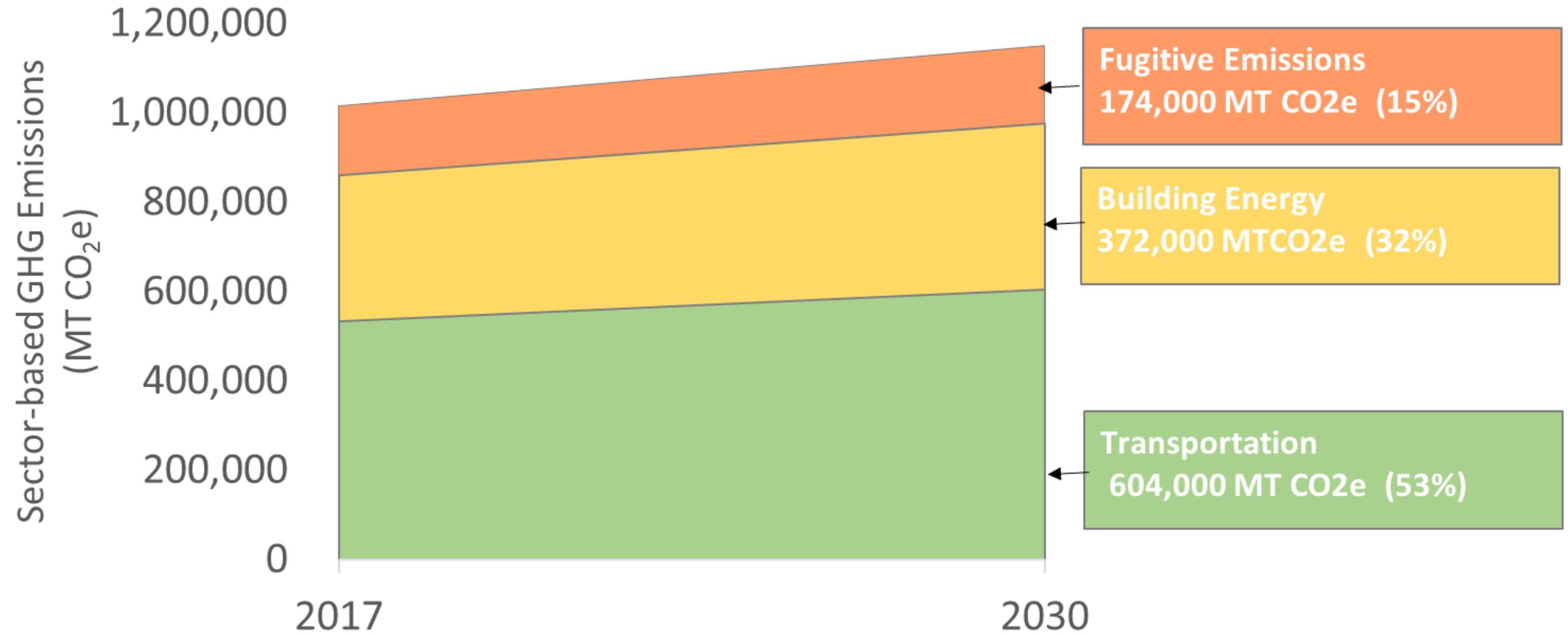
Transportation Reductions
387,000 MT CO2e

Building Energy
75,000 MT CO2e

Fugitive Emissions
23,000 MT CO2e

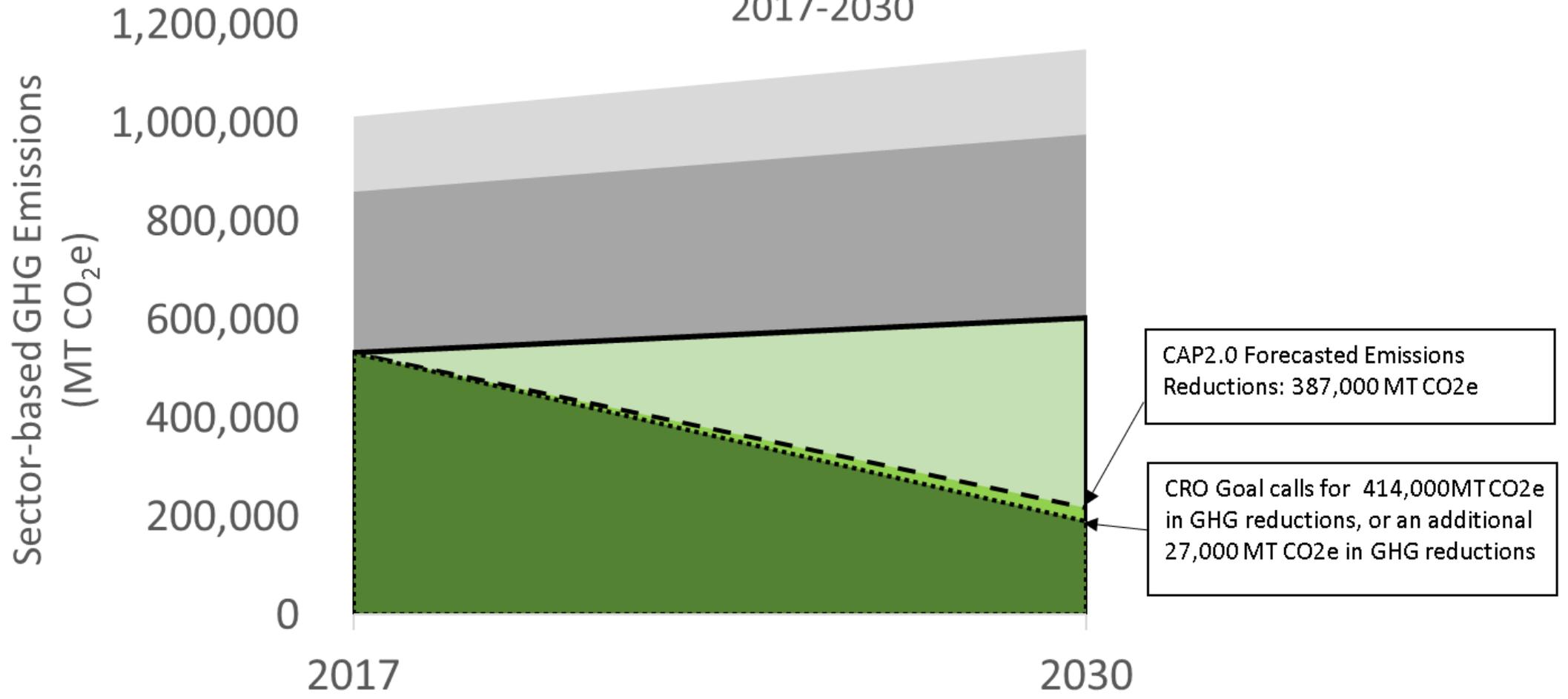
Additional Strategies
-NWN Franchise Agreement
-State and Federal Action
-Community Vision
-Offsets (short term solution)
305,000 MT CO2e

CAP2.0 Business as Usual Forecasted Emissions divided by bucket, 2017-2030

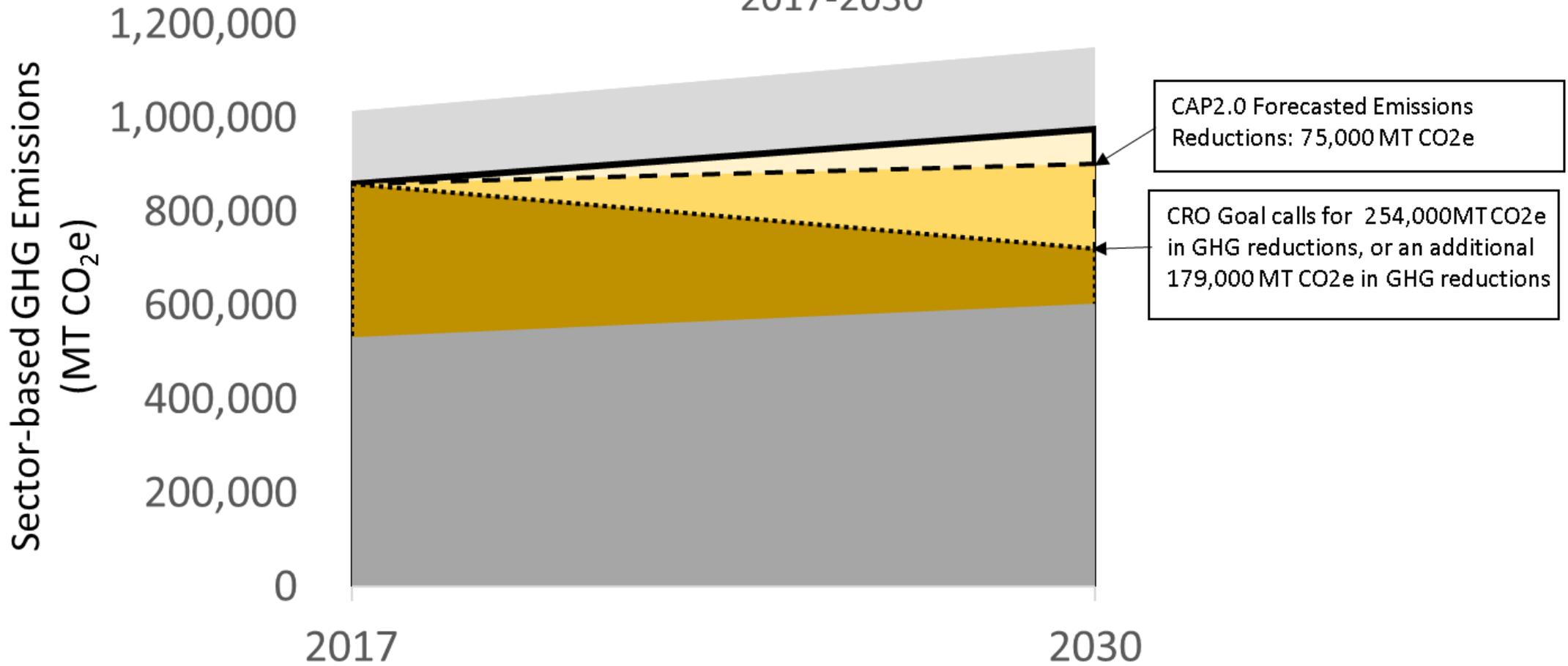


*Bucket proportions in 2030 mirror proportions in 2017. Forecasts by bucket are beyond the scope of this project.

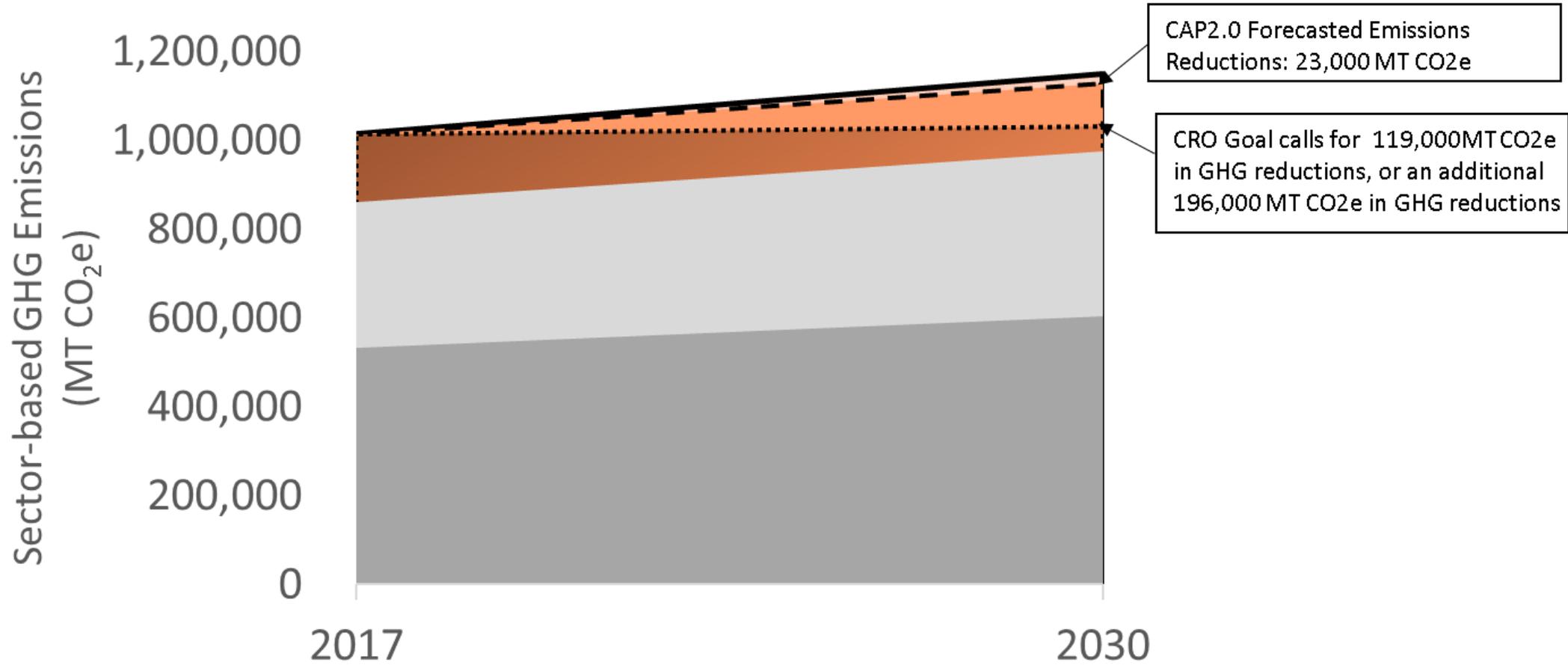
Transportation: CAP2.0 Forecasted Emissions compared to CRO Goal, 2017-2030



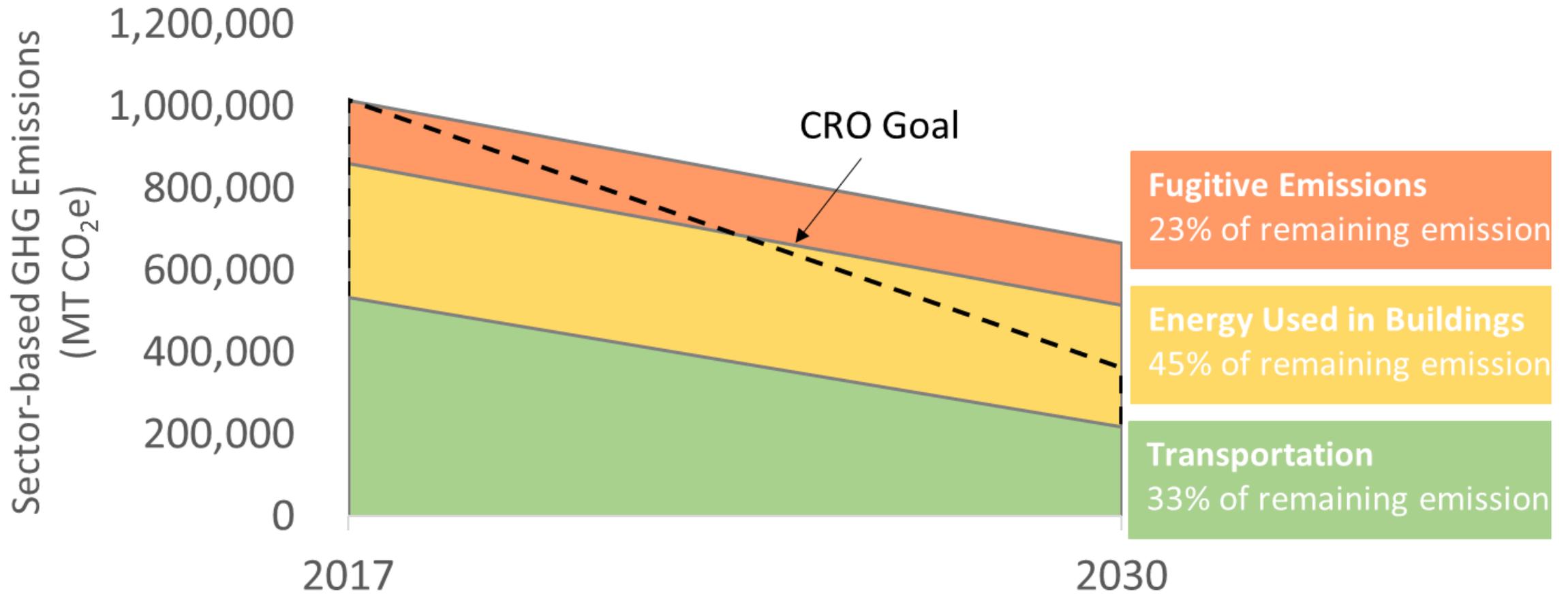
Building Energy: CAP2.0 Forecasted Emissions Compared to CRO Goal, 2017-2030



Fugitive Emissions: CAP2.0 Forecasted Emissions Compared to CRO Goal, 2017-2030



CAP2.0 Forecasted Emissions Reduction by Bucket, 2017-2030





Engage Eugene Survey: Additional Actions

Presentation and Analysis of Results of Action Ranking: Bundles

- Building Electrification (Including Reducing Natural Gas)
- Energy Reduction
- Renewable Energy
- Accelerate TSP
- Active Transportation (Reduce Car Use)
- Decrease or Offset Air Travel
- Electric Air Travel
- Improve Traffic Flow
- Increase Electric Vehicles
- Increase Transit Use
- Parking
- Reduce Delivery Vehicles
- Reduce Waste
- Refrigerants
- Food Emissions (Food Production and Food Waste)
- Low-GHG Concrete Construction
- Plastics
- Reduce Consumption
- Carbon Sequestration
- Funding & Offsets
- Land Use (Including TOD)
- Private Sector Mitigations
- Reduce Wear on Roads
- Smaller Homes (Reduce Consumption, Increase Density)
- Community Engagement
- Create community resiliency group



CAP2.0 Next Steps

- May 20 – City Council Work Session
- June 10 - Mayor's CRO Ad Hoc Work Group Meeting
- June 17 - City Council Work Session
- Early July – Revised CAP2.0 released
- July 8 - City Council Work Session
- July 15 – City Council Work Session
- July 27 - City Council Work Session





Closing

Transportation Total	(387,000)
Eugene 2035 Transportation System Plan (Action T1)	(240,000)
Transportation System Plan Aligned with CRO Goals (Action T2)	(70,000)
EVs - (15,000 in addition to TSP assumptions)	(66,000)
COE Internal CAP - Fleet (Action xxx)	(3,000)
EWEB CAP - Fleet	(1,000)
LCC CAP - Owned Fleet	(100)
LCC CAP - Student Commute	(6,000)
LTD Bus Fleet & Fuels	(900)

Transportation Reductions

Building Energy Total	(75,000)
Home Energy Score and Commercial Benchmarking	(10,000)
COE Internal CAP - Facilities (Action xxx)	(1,000)
EWEB Future Energy Conservation (market-based)	(2,500)
EWEB CAP - Facilities	(1,000)
NWN Smart Energy Program (5% participation) (Action xxx)	(17,000)
NWN Future Conservation / Efficiency (Action xxx)	(15,000)
NWN Distribution System Loss Reduction (Action xxx)	(400)
MWMC / NWN Biomethane to natural gas pipeline (Action xxx)	(7,000)
LCC CAP - Facilities	(700)
UO CAP - New/Existing Building Energy Efficiency	(1,900)
Oregon Net-Zero Residential Building Code	(6,400)
Oregon Net-Zero Commercial Building Code	(12,300)

Building Energy Reductions

Fugitive Emissions	(23,000)
Reduce fugitive refrigerant loss - Facilities	(10,000)
Reduce fugitive refrigerant loss - Fleet	(10,000)
COE Food Waste Diversion to Composting	(3,300)

Fugitive Emissions Reductions