



# Transportation Update

October 16, 2019



# Agenda

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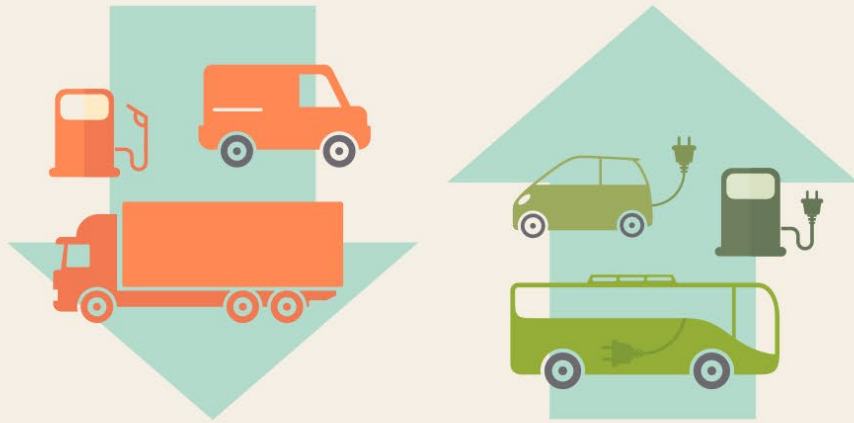
- **Climate Action Plan 2.0 (CAP2.0)**
- **Electric Vehicle (EV) Strategy**
- **Transportation System Plan (TSP) Implementation Plan**



# COMMUNITY CLIMATE RECOVERY ORDINANCE GOALS

## Reduce Fossil Fuel Use

50% reduction by 2030 compared to 2010



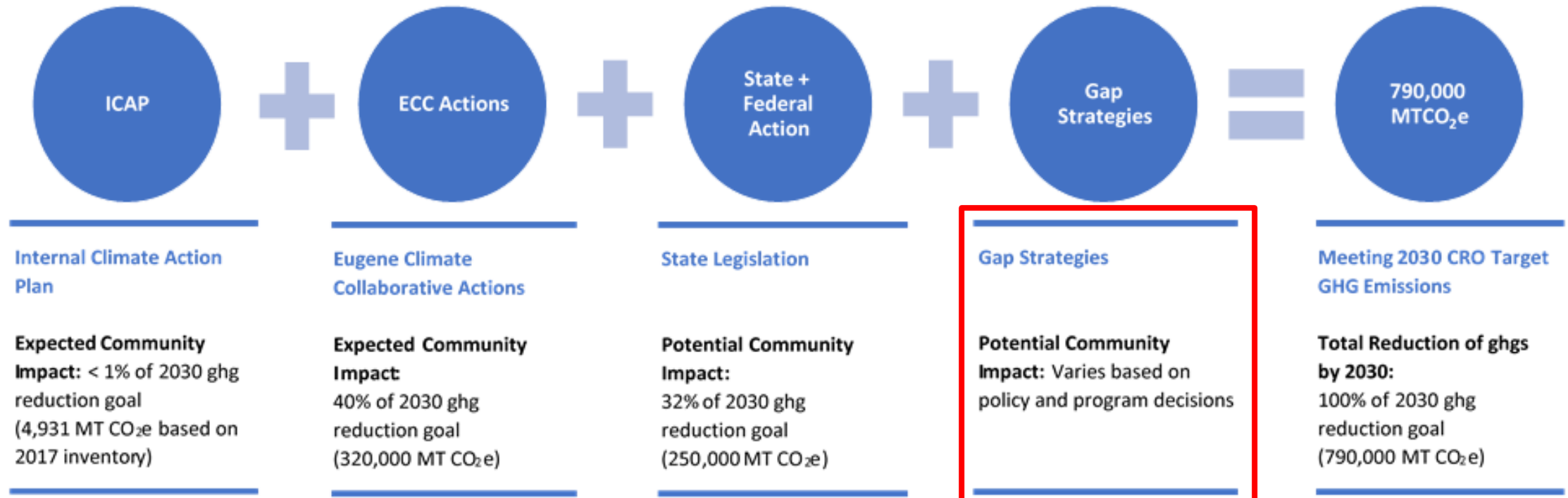
## Reduce Community-wide GHG Emissions

Science-based goal to reduce ghgs to  
Eugene's average share of 350ppm by 2100

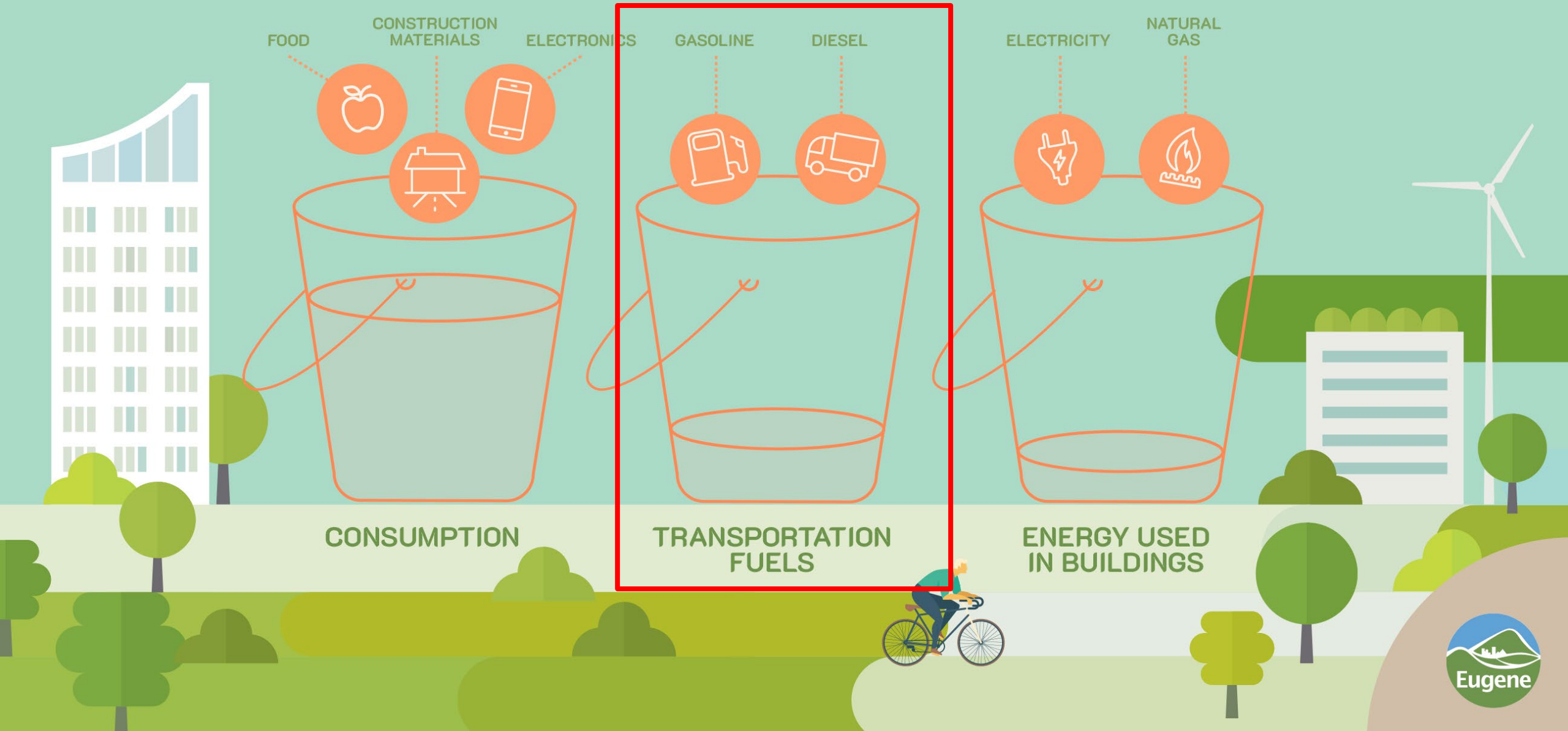




# The CAP2.0 Equation

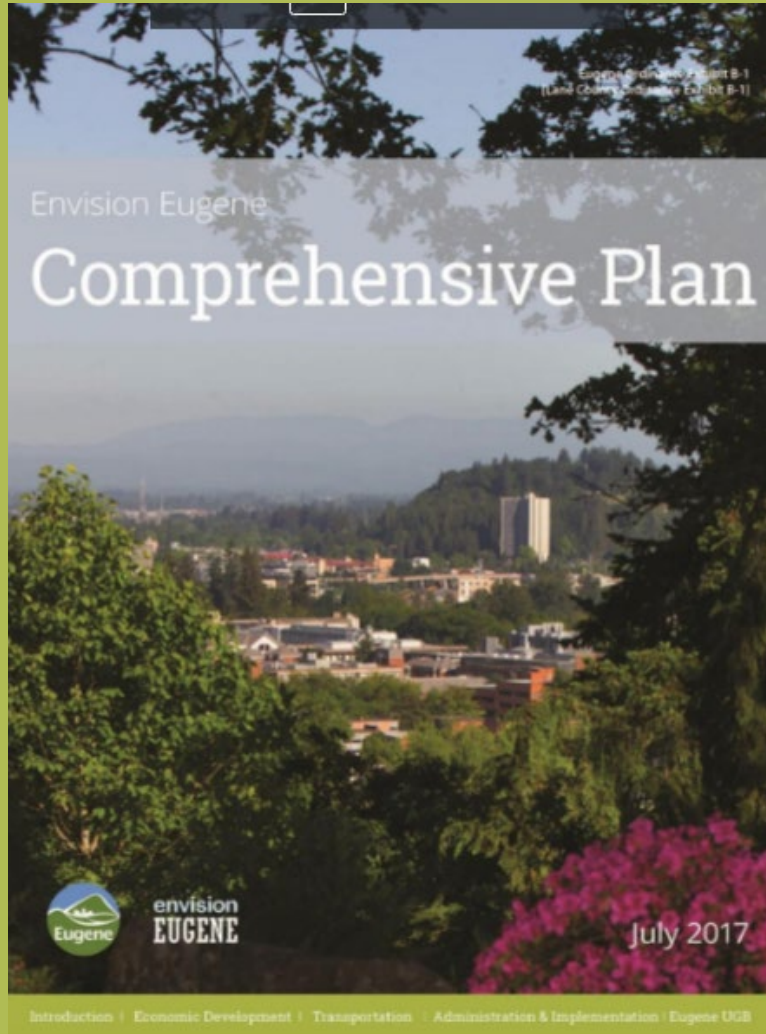


# EUGENE'S GREENHOUSE GAS EMISSIONS





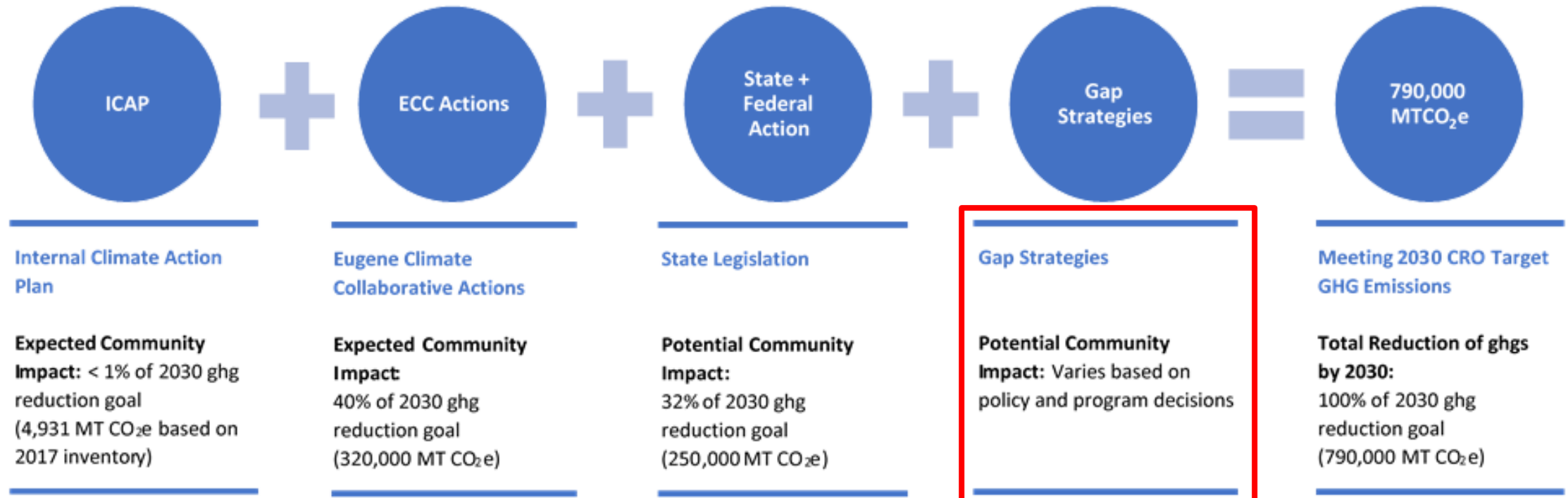
# CAP2.0 Transportation Fuels City of Eugene Actions



Community Climate Actions: <https://www.eugene-or.gov/4177/Community-Climate-Actions>



# The CAP2.0 Equation



Gap Strategies	Energy Used In Buildings*	Trasnportation Fuels*	Other*
<b>Eugene Climate Collabortive Actions</b>			<b>320,000</b>
1. NWN Smart Energy Program	96,000-320,000		
2. No New Natural Gas (Residential only and all modeled)	12,000-40,000		
3. Biogas + Renewable Hydrogen Fuel Switch (10% fuel switch modeled)	35,000		
4. Fee on Natural Gas (Unknown GHG Impact)	Varies.		
5. Home Energy Score + Commercial Benchmarking Program	10,000		
6. Energy Efficiency: Provide Incentives and Explore Regulatory Options	Varies.		
7. TSP adjusted to meet CRO		30,000-70,000	
8. Electric Vehicles (additional 5,000-25,000 EVs)		22,000-110,000	
9. Lobby for State and Federal Action			250,000***
10. Reduce Refrigerent Loss			20,000
11. Capture biogas from organic waste			5,000
12. Offset Program			Varies.
13. Community Innovation Fund			Varies.
<b>Total Reductions</b>	<b>320,000+</b>	<b>180,000+</b>	<b>25,000+</b>

\*MT CO2e Reductions by GHG Bucket

<b>Total Reductions Combined**</b>	<b>845,000+</b>
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\*\*Includes highest values of the ranges displayed. \*\*\*Based on modeling for 2019 Oregon Cap and Invest Bill (HB2020).

**Goal: 790,000 MT CO2e**



# Transportation Fuels: Gap Strategies

- **Transportation System Plan updated to Meet CRO Goals.** *Reduction potential: 30-70,000 MTCO<sub>2</sub>e.*
- **Implement the Electric Vehicle Strategy.** *Reduction potential: 22,000 MTCO<sub>2</sub>e per 5,000 Vehicles replaced.*



# City of Eugene Electric Vehicle Strategy

## Four broad strategies:


- Charging Infrastructure
- Personal Vehicles, Fleets and Shared Mobility
- Education and Outreach
- Targets and Tracking





# City of Eugene Electric Vehicle Strategy

## Example actions:

- EV Ready Multi-family and Commercial Buildings
  - EV Ready and Retrofit of City Buildings
  - City Parking Facility Charging
  - Pilot EV Car Share and Shared Mobility Projects
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- A photograph showing two blue and white electric buses parked at a charging station. The buses are connected to charging cables. The station is equipped with yellow bollards and orange traffic cones. The bus in the foreground has the number 16101 and "Electric 4" written on its side.
- Develop an EV community engagement plan
  - Use greenhouse gas (GHG) modeling to refine and set a target for EV adoption in 2035



# Modeling of TSP to Meet Climate Recovery Goals

## Climate Recovery Ordinance:

- By the year **2030**, all businesses, individuals and others living or working in the city collectively shall reduce the total (not per capita) use of fossil fuels by **50%** compared to 2010 usage.



## Findings of RSPM process – presented to City Council in 2018:

- If fully implemented, the TSP will achieve a **40%** reduction in fossil fuels by **2035**.





# Modeling of TSP to Meet Climate Recovery Goals

## TSP modeling status update:

- Revised model is being used called VisionEval.
- Will have initial results in late 2019.
- More refined inputs.
- LCOG staff is being trained; will be more responsive to requests to do sensitivity testing.
- Process will inform options for meeting gap and potentially revising TSP.





# TSP Implementation Update



- Electric Vehicle Strategy Development and Implementation
- Urbanism Next report on AVs and Emerging Mobility
- TDM/TIA Program Structure and Regulatory Development
- Downtown SmartTrips Transportation Options Programming



# TSP Implementation Update



VISION  
ZERO  
EUGENE



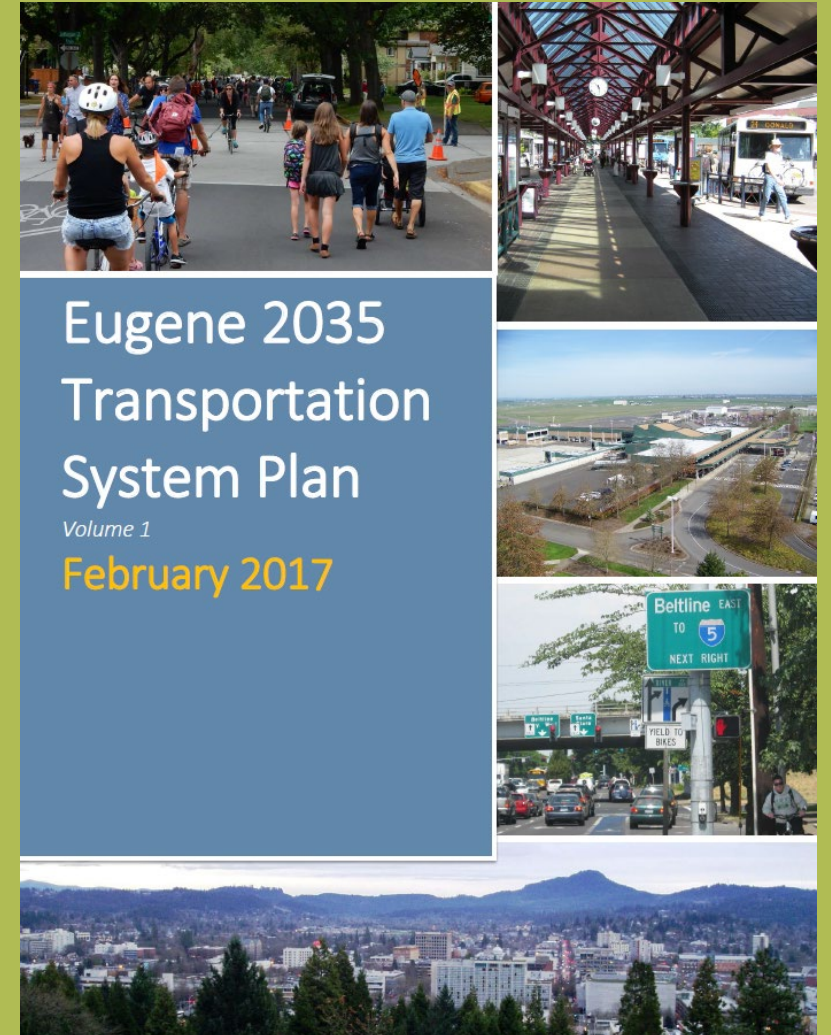
- Vision Zero Action Plan adoption and implementation
- Corridor Planning: MovingAhead, Franklin Boulevard, Central Eugene In Motion, Beltline
- Capital Project Implementation: 13<sup>th</sup> Ave. protected bikeway, S. Willamette Street, Roosevelt Path completion, SRTS projects, Vision Zero projects



# TSP Implementation Update

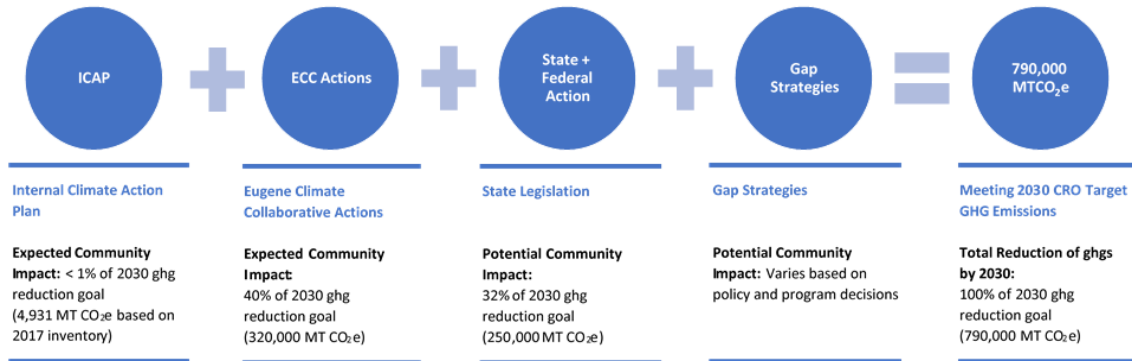
## Future TSP amendments:

- Update transportation safety language to better align with Vision Zero Action Plan
- Update project list to include Vision Zero projects and other key capital projects
- Update TSP to reflect AV/EV recommendations
- Adopt local performance measures to track progress on TSP implementation





# The CAP2.0 Equation



## Transportation Fuels Gap Strategies

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