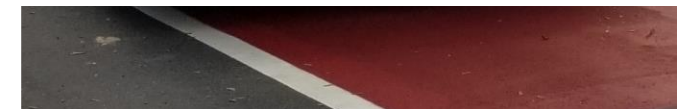
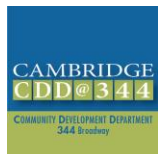


City of Cambridge

Net Zero Transportation Plan: Advisory Group Meeting #8

November 29, 2023





Welcome!

Check-in question: What is one thing you are grateful for?

Meeting purpose:

- Give feedback on community engagement activities
- Look at current emissions trajectory
- Give feedback on possible actions
- Talk about next steps to build actions into the Plan

Community Engagement





Advisory Group's process equity approach

(From our last meeting) The Advisory Group recognizes that an equitable process for developing the Plan:

- 1. Is guided by community voices.**
- 2. Is transparent.**
- 3. Prioritizes underserved, underheard, and historically excluded groups of people.**
- 4. Reduces harm.**
- 5. Builds long-term relationships.**
- 6. Is accessible.**



Community engagement approach (two "waves")

Wave #1 (January-February 2024)

- **Purpose:**
 - Introduce the broader community to the NZTP process
 - Gather initial reactions to potential actions
- **Activities:**
 - Public meeting
 - Brief survey
 - Flyer(s) for public meeting & survey
 - CET@CDD-led engagement
 - *Advisory Group-led engagement?*

Wave #2 (March-April 2024)

- **Purpose:**
 - Gather ideas about the draft plan
- **Activities:**
 - Public meeting
 - Brief survey
 - Flyer(s) for public meeting & survey
 - *Advisory Group-led engagement?*



Reactions to the community engagement approach?

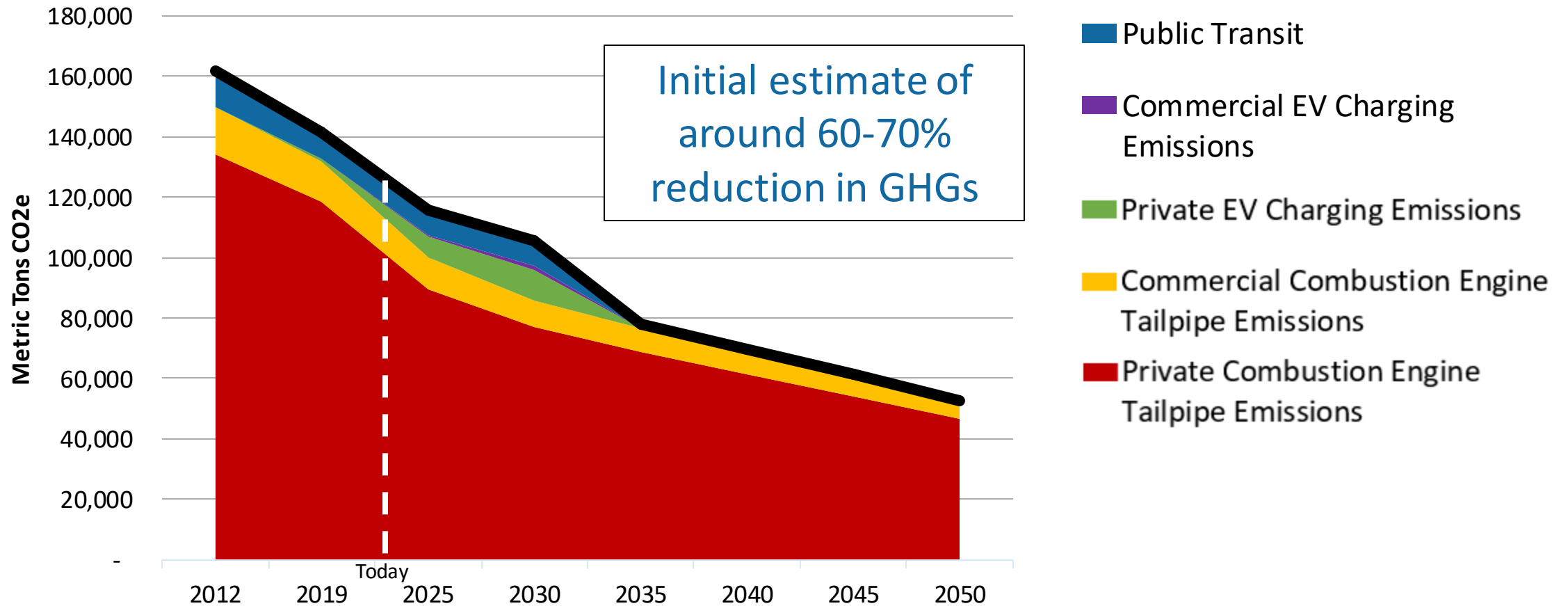
- Does this sound like a good approach? What adjustments would you recommend?
- Would you be willing to share about the NZTP process with your communities? What would be helpful for you to do this?
 - e.g. Talking points? Simple paper presentation? Other?

How Emissions Will Change in the Future



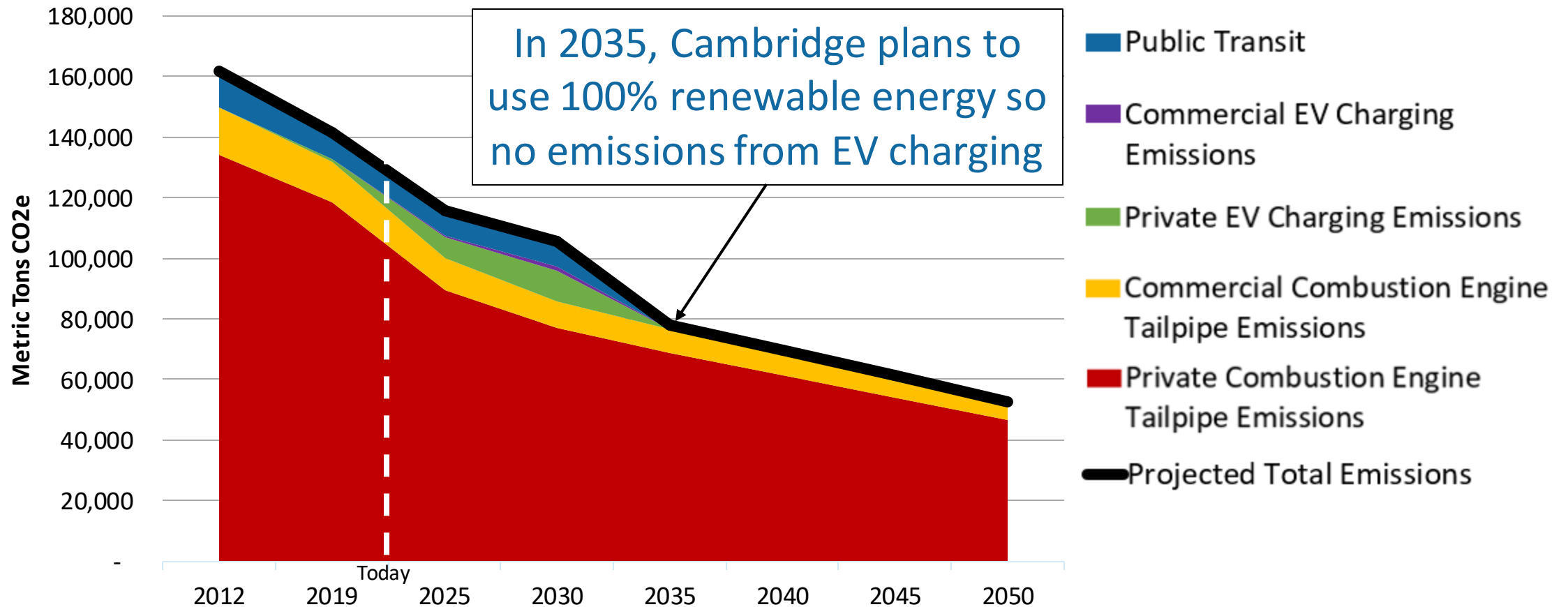
With existing actions, transportation emissions will decrease by 2050.

Expected Cambridge Emissions in the Future*



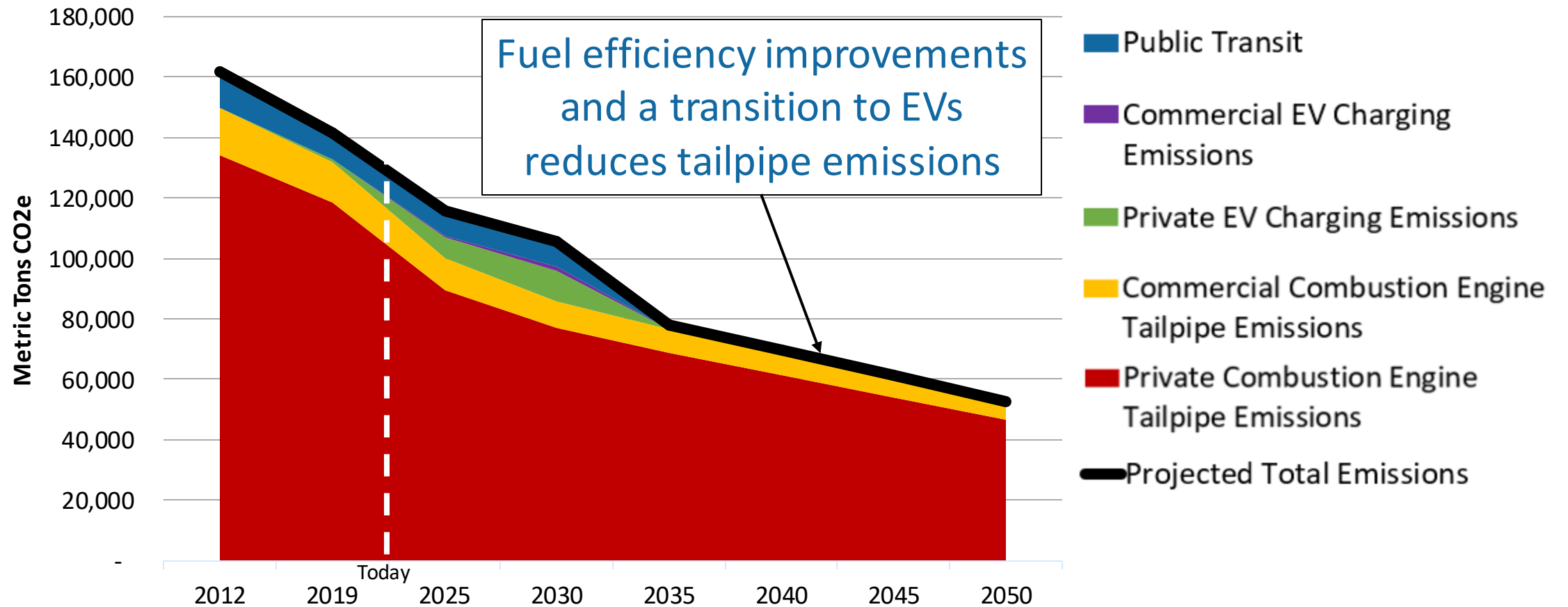
Major reduction in GHGs comes from:
Electric vehicle transition, fuel-efficiency improvements, renewable energy for charging

Expected Cambridge Emissions in the Future*



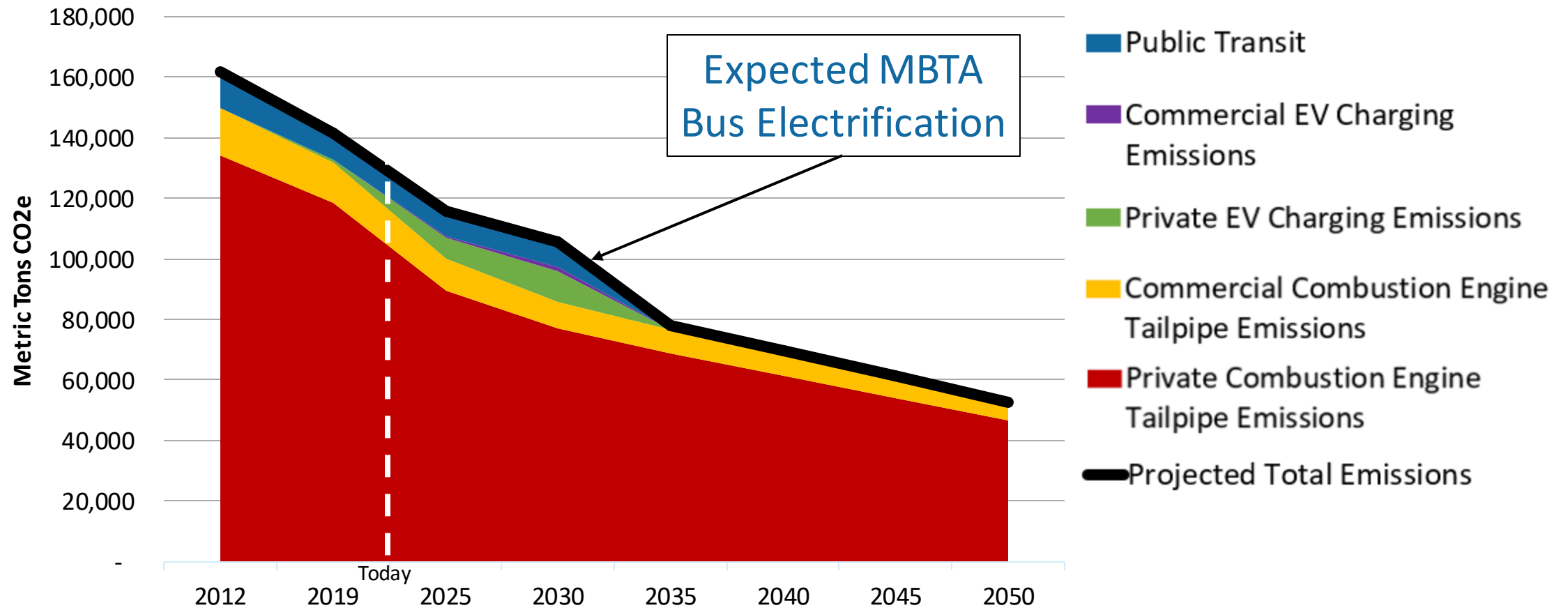
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Expected Cambridge Emissions in the Future*



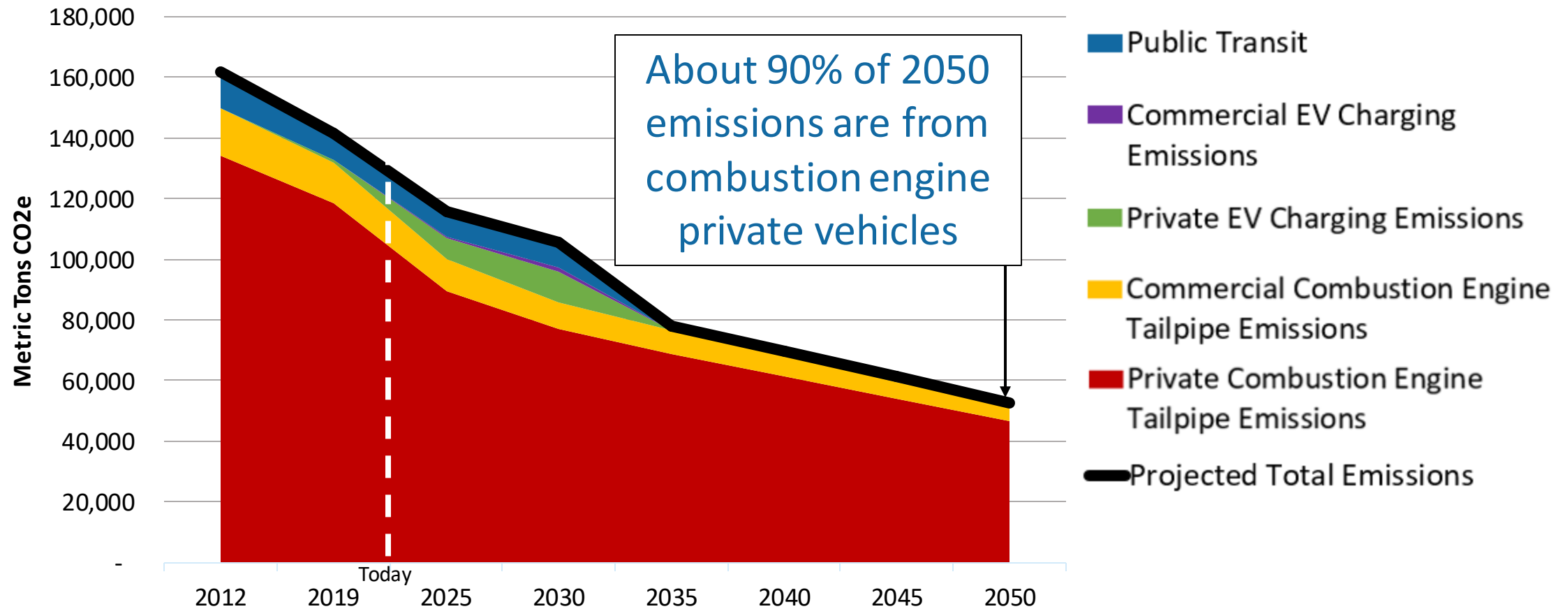
Major reduction in GHGs comes from:
Electric vehicle transition, fuel-efficiency improvements, renewable energy for charging

Expected Cambridge Emissions in the Future*



Remaining emissions almost entirely from trips taken in gas-powered private vehicles.

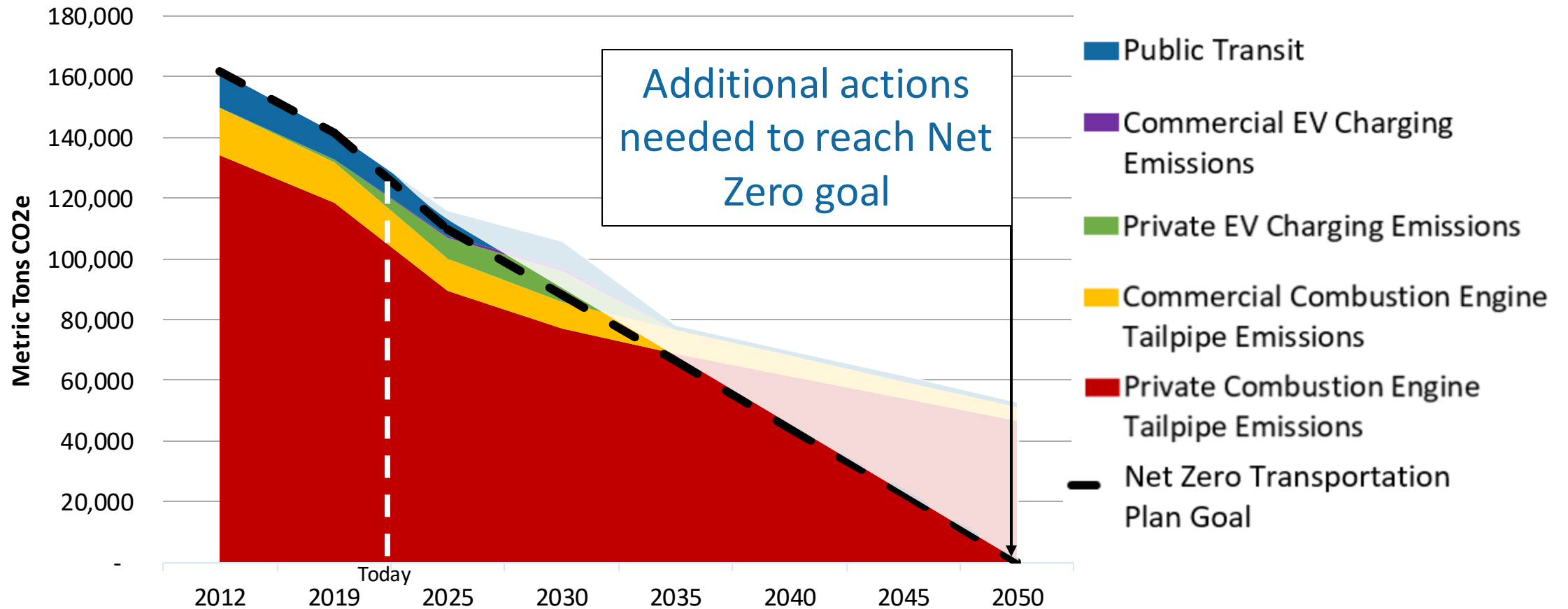
Expected Cambridge Emissions in the Future*



About 90% of 2050 emissions are from combustion engine private vehicles

The Net Zero Transportation Plan needs to lay out how we will reach zero emissions by 2050

Expected Cambridge Emissions in the Future*





Future Emissions - Summary

Existing actions are reducing emissions over time. Significant reductions are due to:

- Vehicle Electrification
- Improvements in fuel efficiency (miles per gallon)
- Switch to renewable energy for EV charging

Despite improvements, more actions are needed to reach the net zero goal. We will discuss some possible actions today.

Questions on the Future Emissions?

Possible Actions



How do we assess possible actions?

Based on discussions with the Advisory Group and insights from successful peer cities, we've drafted a list of potential actions for the Net Zero Transportation Plan in Cambridge. This draft is open for ongoing discussion, and the final plan will be shaped by your input and its alignment with the City's net zero goals.

Project Goals:

Improve
Mobility

Remove GHG
Emissions from
Transportation

Facilitate a Just
Transition

Strengthen
Community
and
Connectedness

How do we define: Improve Mobility?

Improve Mobility

Reliability: Does the action improve consistent and predictable travel times?

Mode Availability: Does the action improve consistent and predictable travel times?

Accessibility: Does this make mobility more accessible for people with disabilities, cultures, languages, and banking statuses?

Affordability: Does this decrease transportation costs, or provide more low-cost options?

Connectivity: Does this increase the number of destinations that can be reached by low-carbon modes?

Safety: Does this decrease fatalities and injuries? Does this decrease interpersonal violence?

How do we define: Remove GHG Emissions from Transportation?

Remove GHG Emissions
from Transportation

GHG Reduction Potential: Does the action reduce GHG emissions per mile traveled?

Reduce Noise and Air Pollution: Does the action reduce noise and air pollution?

Generate Positive Health Outcomes: Does the action increase levels of physical activity in safe environments?

Reduce Vehicle Miles Traveled: Does the action reduce the number of vehicle miles each person travels?

How do we define: Facilitate a Just Transition?

Facilitate a Just Transition

Quality of Life: Does the action make it easier to live in Cambridge? Especially for people who are underserved, underheard, or historically excluded?

Racial and Economic Inclusivity: Does the action make it easier for people of different races and income levels to live in Cambridge?

Equitable Allocation of Responsibility: Does the action distribute responsibility equitably and take into consideration historical privileges?

Investment in Marginalized Communities: Does the action prioritize investment in underserved, underheard, and historically excluded communities?

How do we define: Strengthen Community and Connectedness?

Strengthen
Community and
Connectedness

Community Agency: Does the action give people more agency to make sustainable decisions, while not shaming those who do not or cannot?

Community Involvement: Does the action improve residents' ability to participate in transportation decisions?

Safety and Belonging: Does the action improve people's safety as they move around? Does it make them feel more like they belong?



What is Cambridge already doing?

The City of Cambridge is already undertaking a number of actions. These are what have led to a reduction in emissions already. These actions will continue to help reduce emissions – but will not get the City to net zero by 2050.

A list of these actions was shared ahead of this meeting and can be seen in the handout in-person as well.

Possible Actions

This is the first step in choosing the actions for the Net Zero Transportation Plan. Based on your feedback and the conversation we have today, a list of actions will be tested to determine how close they get us to the goal of net zero emissions.

The purpose of this meeting is to listen to feedback on the focus actions and select actions that are generally agreed upon. We will think about each action in the context of the project's 4 goals:

Improve
Mobility

Remove GHG
Emissions from
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Facilitate a Just
Transition

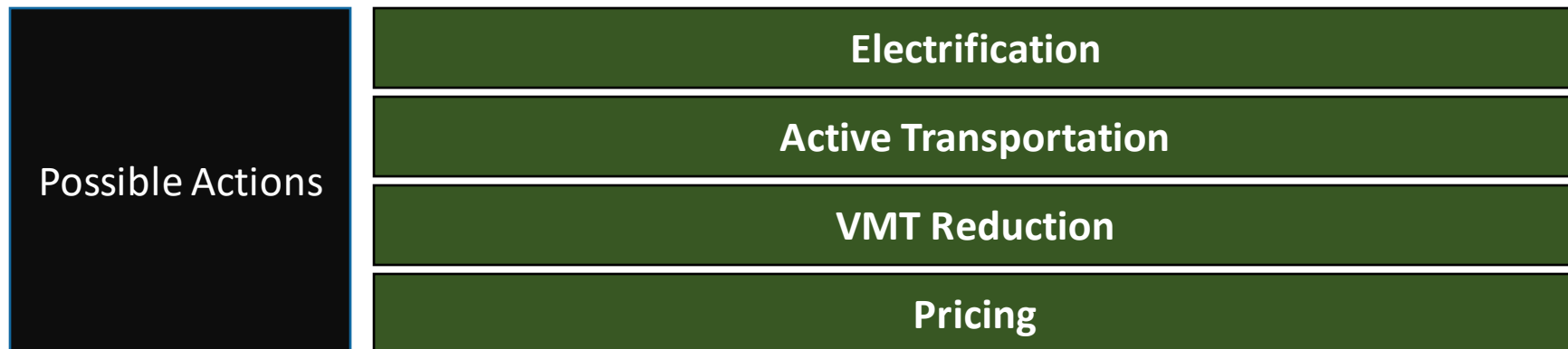
Strengthen
Community
and
Connectedness

Possible Actions

After this meeting, your feedback will help us come up with an initial “package” of actions that we will test to see how close they get Cambridge to net zero.

It is likely there will be more work to do after this initial package. If so, we will keep working as a group at our next meeting to get to zero emissions.

Today’s possible actions fall into 4 groups:



Electrification Actions

These actions all focus on reducing emissions by encouraging a shift to electric mobility over time:

Electrification

Engage low-income households and communities of color to communicate subsidies and available incentives for charging and/or purchase of e-bikes and electric cars

Create a program that prioritizes the sale of used electric government vehicles to people with low incomes

Improve access to public curbside EV charging

Install city-owned public EV charging stations comprehensively throughout Cambridge, ensuring locations near underserved communities in historically excluded neighborhoods

Charge less for electric vehicle resident parking permits to acknowledge the reduced community costs compared to internal combustion engines

Improve Mobility

Remove GHG Emissions from
Transportation

Facilitate a Just Transition

Strengthen Community and
Connectedness

Active Transportation Actions

These actions all focus on reducing emissions by encouraging a shift to active transportation over time:

Active Transportation	Advertise and increase enrollment in the Income-Eligible Bluebikes Membership program
	Continue building out the Bluebikes network to meet the goal of one station every 2.5-minute walk
	Create laws and awareness campaigns that reduce and discourage the racial profiling of people of color while traveling via low-carbon modes
	Develop mobility hubs that provide access and connection between multiple modes
	Work with non-profit organizations and community groups to provide bikes and bike repair to residents earning low-incomes

Improve Mobility

Remove GHG Emissions from Transportation

Facilitate a Just Transition

Strengthen Community and Connectedness

VMT Reduction Actions

These actions all focus on reducing emissions by decreasing vehicle miles traveled (VMT) over time:

VMT Reduction	Collaborate with neighborhoods, private developers, and employers to provide low-emission mobility options for people to access residential and employment areas, such as shuttles, bikes, etc.
	Develop an implementation plan and increase funding to fill gaps in the Bicycle Network Plan in order to create a citywide network of high-quality, connected bicycle infrastructure
	Increase funding for crosswalks, bus shelters, protected bike lanes, bike parking, and other measures to get to key public facilities such as schools, parks, community centers, recreation centers, retail areas, libraries, and transit
	Establish more additional bus-only lanes to support rapid bus service
	Create transport decarbonization fund for multimodal improvements, public charging station maintenance, incentive programs, and other actions to reduce emissions from transportation in Cambridge
	Coordinate with neighboring municipalities to shift commuter trips out of cars
	Provide incentives to encourage people to take transit, biking, and walking for all trip types

Improve Mobility

Remove GHG Emissions from Transportation

Facilitate a Just Transition

Strengthen Community and Connectedness

Pricing Actions

These actions all focus on reducing emissions by reducing or increasing the price of various aspects of transportation in line with their impact to the community:

Pricing	Provide subsidies and incentives to low-income households and communities of color to support people in using electric vehicles and e-bikes
	Charge developers a fee for new development relative to a project's traffic impacts in order to support multimodal infrastructure and safety improvements
	Charge vehicle idling fines
	Charge emission-zone fees for vehicles that do not meet specific emissions criteria, to discourage trips in gas-powered single-occupancy vehicles
	Provide commute incentives to encourage transit, biking, and walk to work
	Charge a fee for driving on any street in Cambridge, to discourage trip in a single-occupancy vehicle, regardless of fuel type
	Increase residential parking permit fees
	Charge a higher excise tax for high-emission vehicles

Improve Mobility

Remove GHG Emissions from Transportation

Facilitate a Just Transition

Strengthen Community and Connectedness

Public Comment





Public comment

- Public comments are welcome
 - Share thoughts in Zoom Q&A or verbally
 - To comment verbally, **raise your virtual “hand”** (or actual hand if in person)
 - Please limit your comments to **2 minutes** (we may reduce this time if the queue fills up)
- Please keep all comments...
 - **Relevant to the topics discussed today**
 - **Respectful**
 - **Focused on issues (not individuals)**

Check-out and Next Steps





Next steps

- ✓ We will share follow-up materials and a draft meeting summary
- ✓ Next meeting: **Wednesday January 10 @ 8:45 AM***
 - ✓ Update on community engagement
 - ✓ Share impacts of today's chosen actions on emissions
 - ✓ Discuss additional actions if needed

Check-out question: Are there any actions you would like to discuss next time that were not covered today?