# Milpitas

**Climate Action Plan Update** 

Community Workshop | May 6, 2021



## 01

#### INTRODUCTION

Workshop agenda and team introductions

03

#### **IDENTIFY BOLD ACTIONS**

To meet carbon neutrality

02

#### **CAP UPDATE OVERVIEW**

Greenhouse gas emissions in Milpitas

04

#### **NEXT STEPS**

Stay involved in the process!





#### **MEETING GROUND RULES**

Honor the agenda

Participate actively and respectfully

Focus comments

Speak in order

## THE TEAM

**ELAINE MARSHALL** 

JOHNNY MENHENNET

Deputy Public Works Director

CivicSpark Fellow



#### **HONEY WALTERS**

Principalin-Charge

#### HANNAH KORNFELD

Project Manager

#### **NORA DE CUIR**

Engagement Lead

#### **SAM RUDERMAN**

GHG Analyst

#### **JOHN BOWIE**

Engagement Specialist



KEARNS & WEST



# How concerned are you about the effects of climate change on you and your community?

- A. Extremely concerned
- **B.** Very concerned
- C. Somewhat concerned
- D. A little concerned
- E. Not concerned

# O2 CAP UPDATE OVERVIEW



#### What is a climate action plan?

- A roadmap for reducing GHG emissions and adapting to climate change
- Identifies existing and projected GHG emissions
- Sets GHG reduction targets

- Establishes policies and actions to meet reduction targets
- Integrates climate adaptation and resilience strategies
- Engages the community
- Provides an implementation program



#### **CLIMATE ACTION PLAN UPDATE OBJECTIVES**

#### **GHG REDUCTION**

Align with State goals and achieve carbon neutrality

#### **CLIMATE RESILIENCE**

Integrate climate adaptation

#### **COMMUNITY**

Engage the community throughout the process

#### **SUSTAINABILITY**

Connect with existing and developing City initiatives

#### **COMMUNICATION**

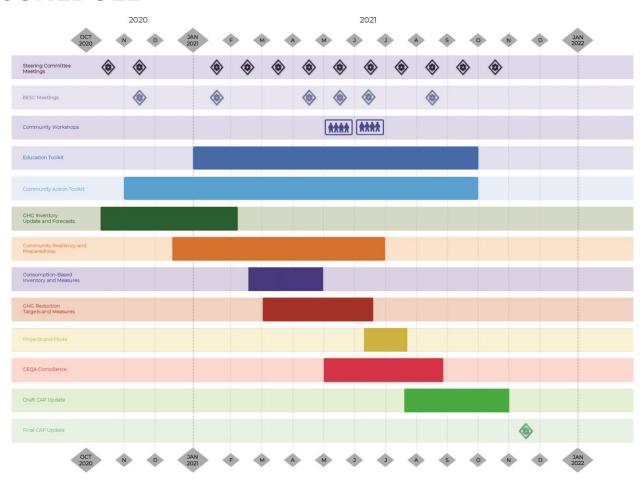
Communicate climate challenges and opportunities

#### **IMPLEMENTATION**

Focus on implementation and monitoring



#### PROJECT SCHEDULE

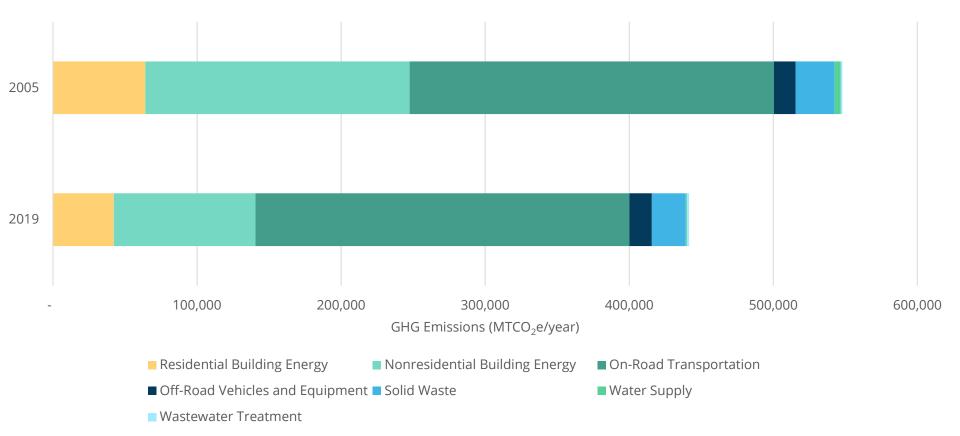


#### **CURRENT EMISSIONS**

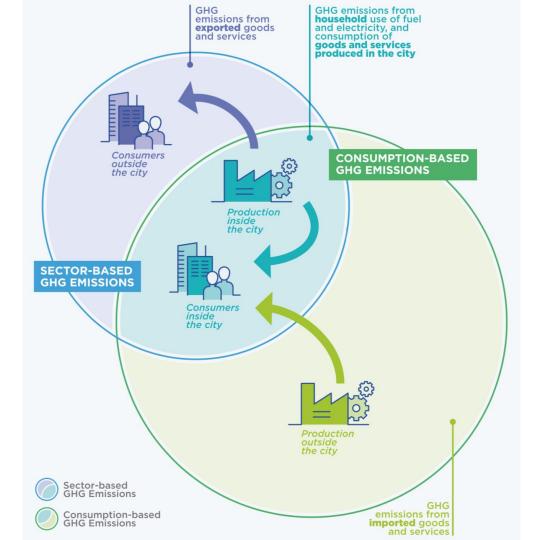
How much greenhouse gases does Milpitas currently emit?



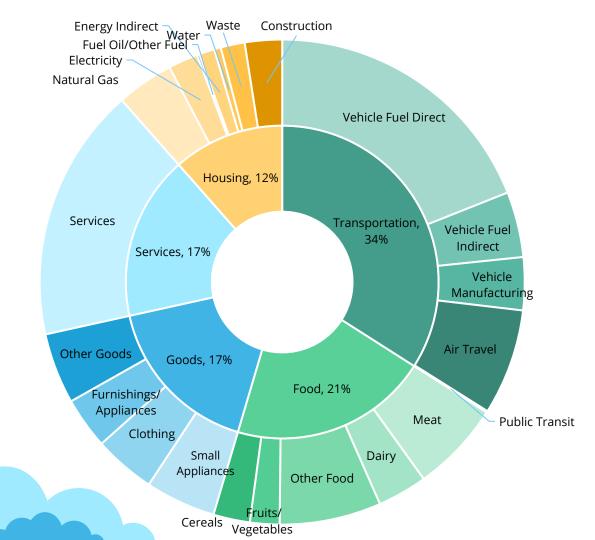
#### Milpitas Greenhouse Gas Emissions: 2005 & 2019



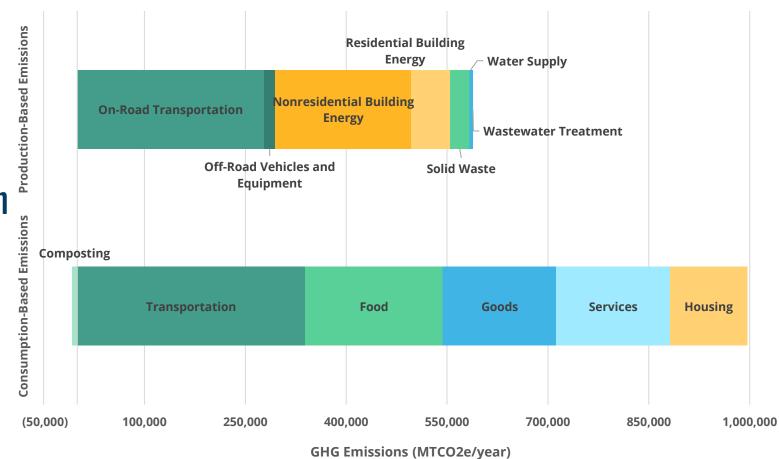
### Consumptionbased emissions



Milpitas
ConsumptionBased
Greenhouse
Gas Emissions



# Production vs. Consumption

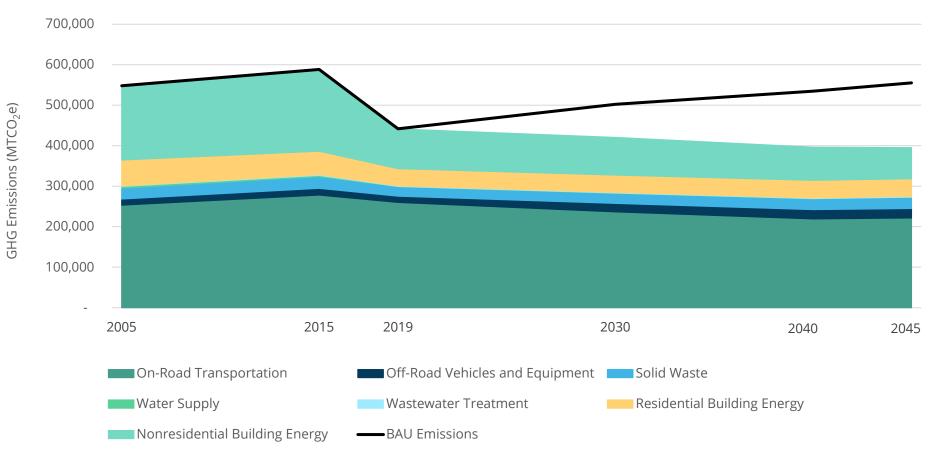


#### PROJECTED EMISSIONS

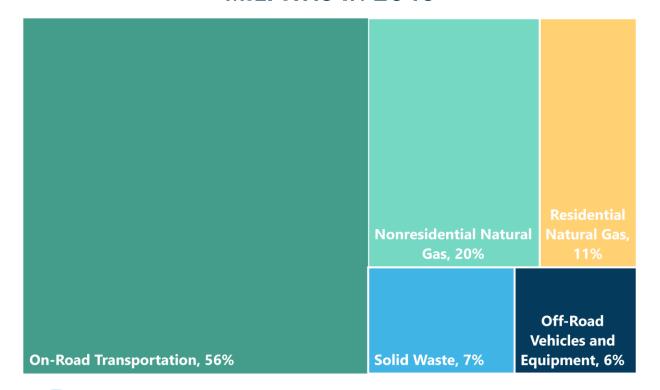
How much greenhouse gases will Milpitas emit in the future?



#### MILPITAS: 2005 – 2045



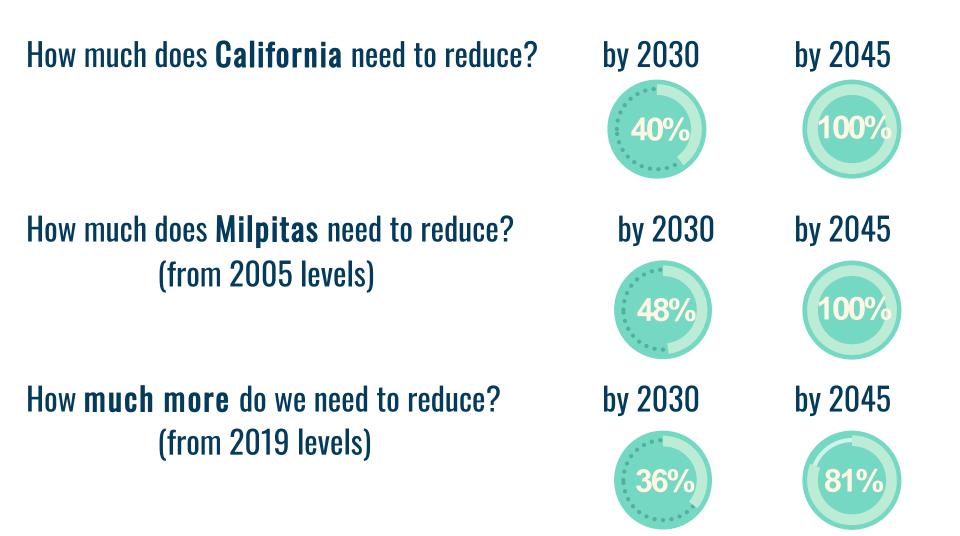
#### MILPITAS IN 2045

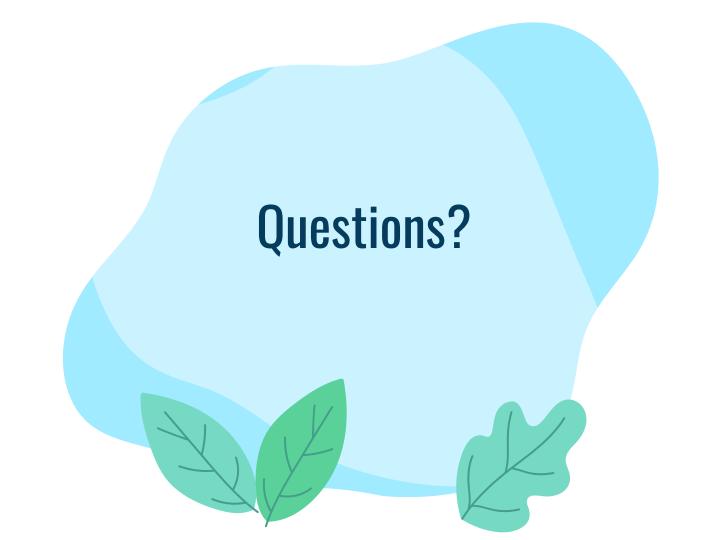


#### **REDUCTION TARGETS**

How much greenhouse gas emissions should Milpitas reduce?







# 03 IDENTIFY BOLD ACTIONS



# How quickly do you think our community needs to act on climate change?

- A. We need significant action right away
- B. We need significant action in the next 5 years
- C. We need significant action in the next 10 years
- D. This is not an urgent issue



### BUILDING ENERGY

Actions to consider including in the CAP Update

#### **Natural Gas**

- Eliminate from new buildings
- Replace existing appliances
- Implement a natural gas tax

#### **Backup Power**

- Eliminate
   fossil fuel
   backup
   generators
- Install battery storage systems

#### **Clean Electricity**

- Install onsite renewable energy at nonresidential buildings
- Increase participation in Silicon Valley Clean Energy

# ON-ROAD VEHICLES

Actions to consider including in the CAP Update

#### **Electric Vehicles**

- Develop EV capable parking spaces
- Install EV chargers

#### Reduced VMT

- Limit workforce commute
- Improve active transportation options
- Enhance transit infrastructure

#### **Land Use Planning**

- Create car-free areas in commercial centers
- Disallow new gas stations

# OTHER SOURCES

Actions to consider including in the CAP Update

#### Water

- Retrofit water fixtures to ultralow-flow
- Install droughttolerant landscaping

#### **Solid Waste**

- Achieve zero waste
- Reduce construction and demolition waste

#### **Equipment**

- Upgrade to zeroemission landscape equipment
- Use renewable diesel in construction equipment

## EMISSIONS SINKS

Actions to consider including in the CAP Update

#### **Vegetation**

- Enhance native trees and vegetation
- Use green infrastructure like green roofs

#### Soil

- Expand urban agriculture practices
- Use locally produced compost in landscaping

#### **Open Space**

- Expand city parks and open spaces
- Preserve natural areas

# OTHER ACTIONS

Actions to consider including in the CAP Update

#### Food

- Promote lowcarbon diets
- Reduce food waste
- Increase local food purchases

#### **Goods & Services**

- Reduce single-use disposable goods
- Encourage sustainable product purchasing

#### Housing

- Promote infill development
- Use low-carbon building materials
- Improve energy efficiency

# How willing are you to change your way of life or way of operating your business to incorporate climate-friendly actions?

- A. 100% on board, just tell me what to do
- B. Would consider if it doesn't cost me more money or if there were financial incentives to do so
- C. Would make climate-friendly choices when I need to replace something
- D. Only if required to do so



# Pick your top 2 biggest potential barriers that would keep you from engaging in climate action at your home or business.

- Do not own the property
- Cost
- Lack of information
- Time and effort
- Concerns that actions will generate minimal financial savings
- Concerns that upgraded technologies won't perform as well
- Safety concerns



# BREAKOUT ACTIVITY



# 04 NEXT STEPS



#### NEXT STEPS ON THE CAP UPDATE

#### **WORKSHOP 2**

Join us at our second CAP Update workshop to discuss climate adaptation and community resiliency

#### **EESC MEETINGS**

Attend an upcoming Environmental Sustainability & Energy Commission meeting to stay tuned on the progress

#### **CAP DASHBOARD**

Check out the CAP Dashboard and take the survey!

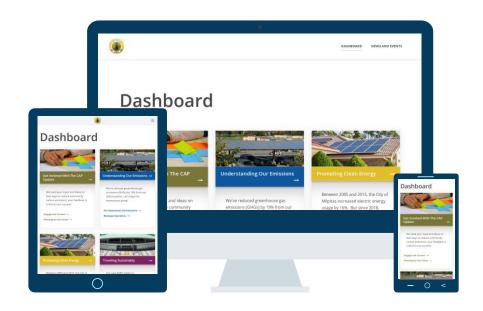




#### **CAP DASHBOARD**

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Explore and learn more about Milpitas' climate impact and how you can help reduce our community carbon emissions





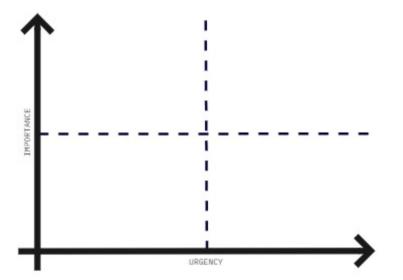
CREDITS: This presentation template was created by **Slidesgo**, including icons by **Flaticon**, infographics & images by **Freepik** and illustrations by **Stories** 

Step 1 Should this action be included in the Milpitas CAP Update? **Building Energy** On-Road Vehicles NO MAYBE YES Water Solid Waste Equipment Carbon Sequestration



Step 2

How important is implementing this action? How soon should we implement this action?



#### Additional questions:

- 1. How do you define importance?
- 2. What makes this action important?

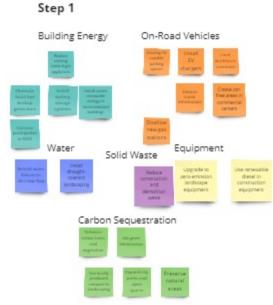


Building Energy On-Road Vehicles

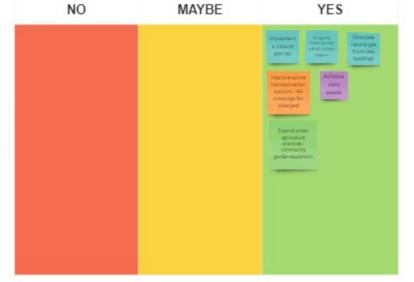
Solid Waste

Carbon Sequestration

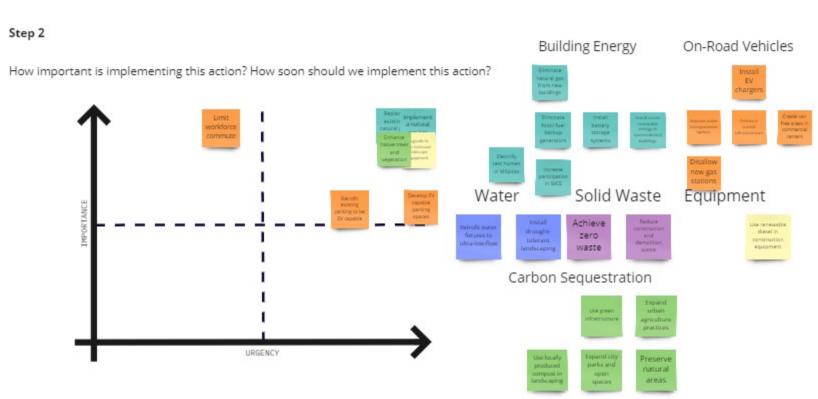
Equipment



Should this action be included in the Milpitas CAP Update?







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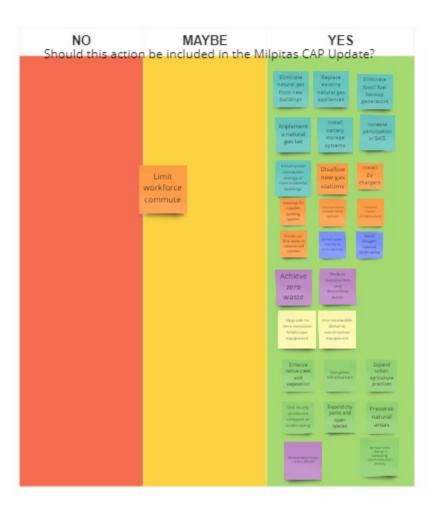


#### Step 1

Building Energy On-Road Vehicles

Water Solid Waste

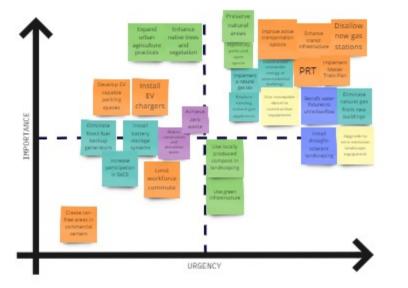
Equipment Carbon Sequestration



#### Step 2

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Building Energy On-Road Vehicles



Solid Waste

Water

Equipment Carbon Sequestration

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