



# *Welcome* **Built Environment/ Transportation Emissions Sector Workshop**

**Climate Action Plan Update**

August 24, 2022



@SDCoSustainable



@SDCountySustainable



@SDCountySustainable



# Interpretación simultánea en español

**Si necesita interpretación simultánea:**

**Presione "Interpretation"  
y seleccione "Spanish"**

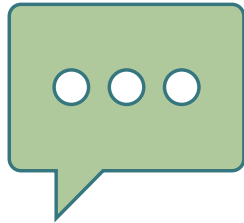




# How to Participate?

?

Zoom Comments/Questions? Send message using the Q&A feature.



Submit Comments/ Questions  
During the Meeting



Having Issues With Zoom  
During The Meeting?

Use the Q&A feature at the bottom  
of your screen



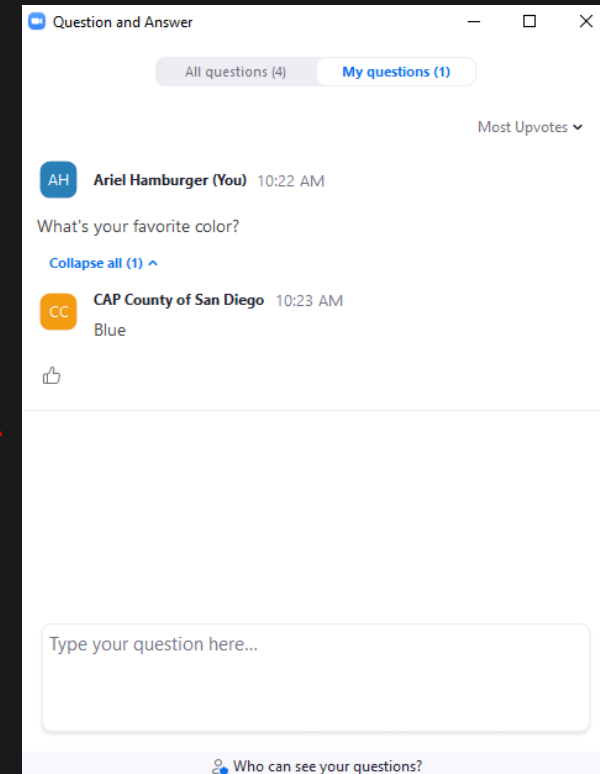
# Zoom Meeting Controls

## Desktop

?

Zoom Comments/Questions? Send messages using the Q&A feature.

Use Q&A window  
to send  
comments/  
questions



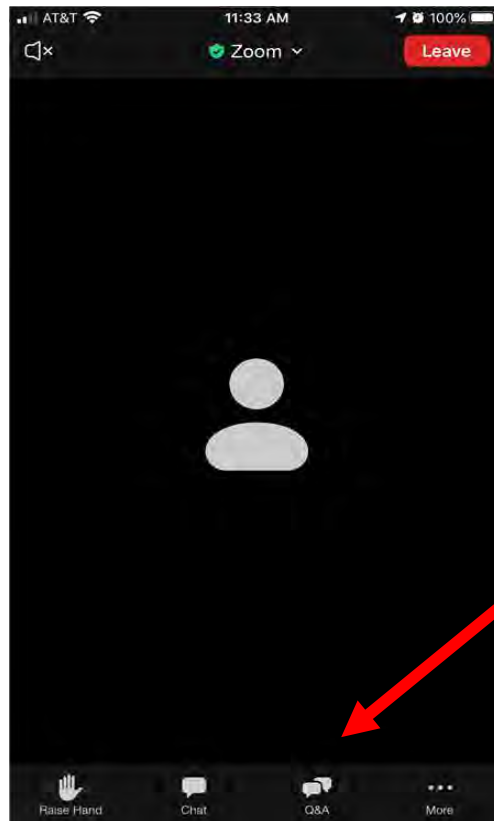


# Zoom Meeting Controls

## Mobile

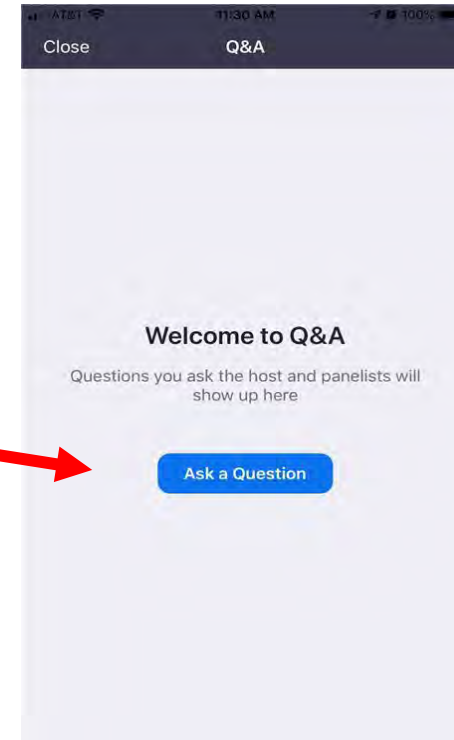
?

Zoom Comments/Questions? Send message using the Q&A feature.



First click,  
"More"

Access the  
Q&A window  
to send  
comments/  
questions





# MEETING TOPICS

- ▶ Workshop logistics
- ▶ Recap: Built Environment/  
Transportation Emissions
- ▶ Draft equitable, net-zero  
vision
- ▶ Strategies and measures to  
reach the draft vision



# Why

# We Are Here



# Interactive Polls

## Poll Everywhere

?

Zoom Comments/Questions? Send message using Chat feature



To Participate:

▶ Scan QR Code

OR:

▶ Open [pollev.com/SDCoSustainable681](https://pollev.com/SDCoSustainable681) in your browser (Chrome, Firefox, or Edge)

▶ Enter your name or click Skip

▶ Wait to be re-directed to the event





# **Welcome! What brought you here today?**

# I am a...

resident of the unincorporated county

resident of an incorporated city (e.g., City of San Diego, Poway, Encinitas...)

resident of a Native American reservation

resident of another area (outside of SD County, on a military base, etc.)

built environment / transportation professional

community-based organization representative

County employee

other



# What is the Climate Action Plan Update





# Purpose of *Your Feedback*

Summer 2021 - Winter 2022

Spring - Summer 2022

Winter 2022 - Spring 2023



Vision  
Statements

How can we  
get there?

Strategies and  
Measures

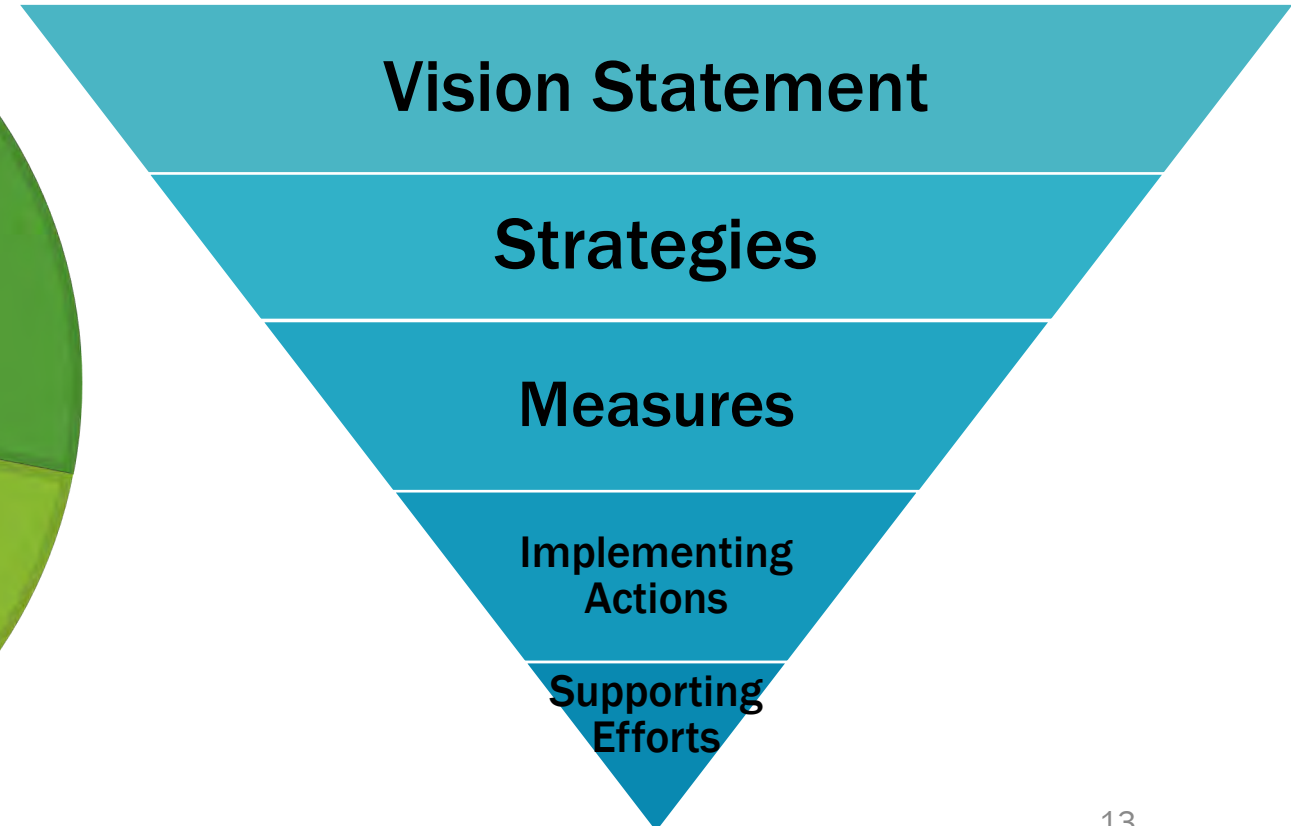
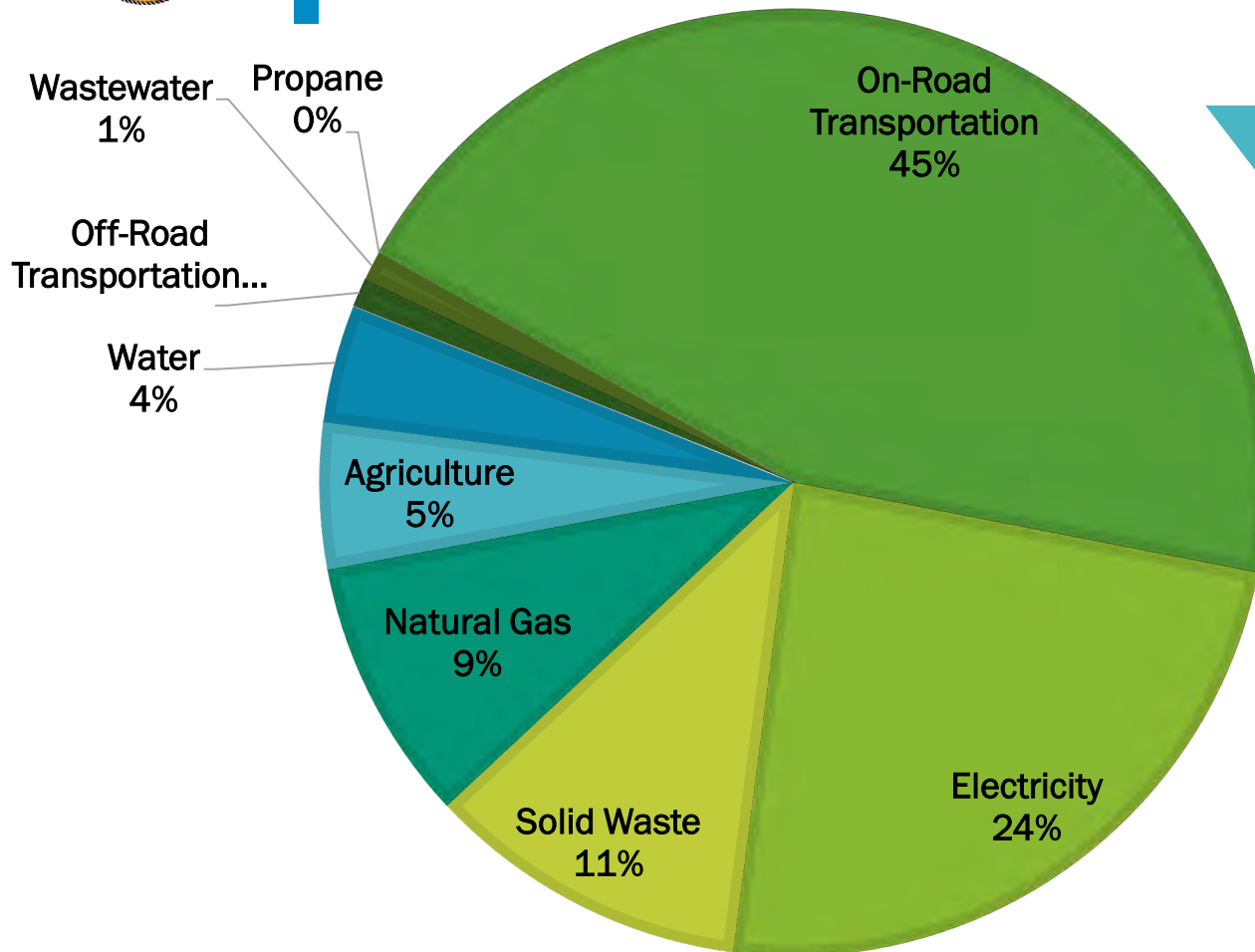
What  
matters  
to you  
most?

Draft CAP  
Update



# GHG Emissions And Our Approach

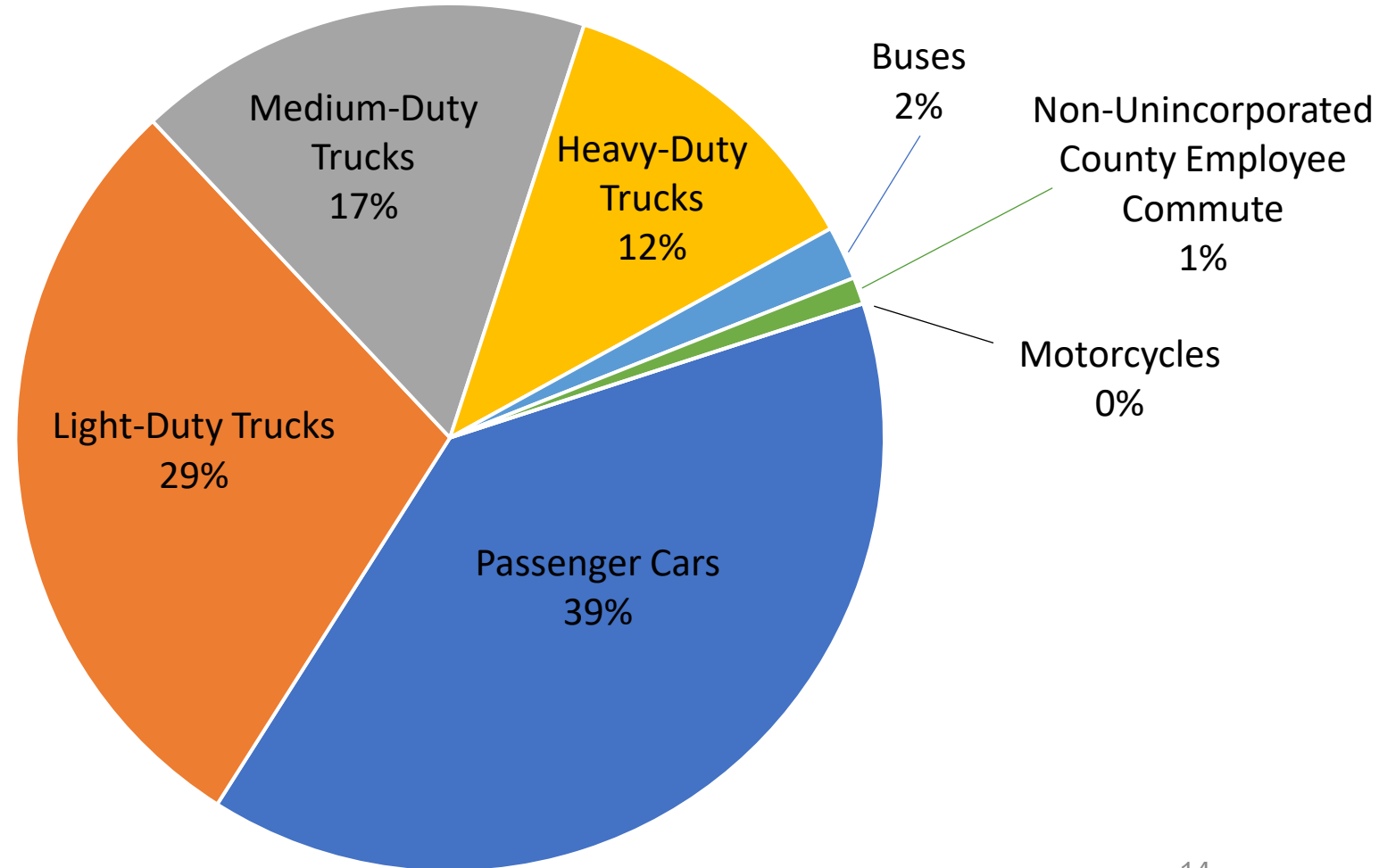
COUNTY GHG EMISSIONS BY SECTOR (2014)





# Understanding Built Environment/ Transportation Emissions

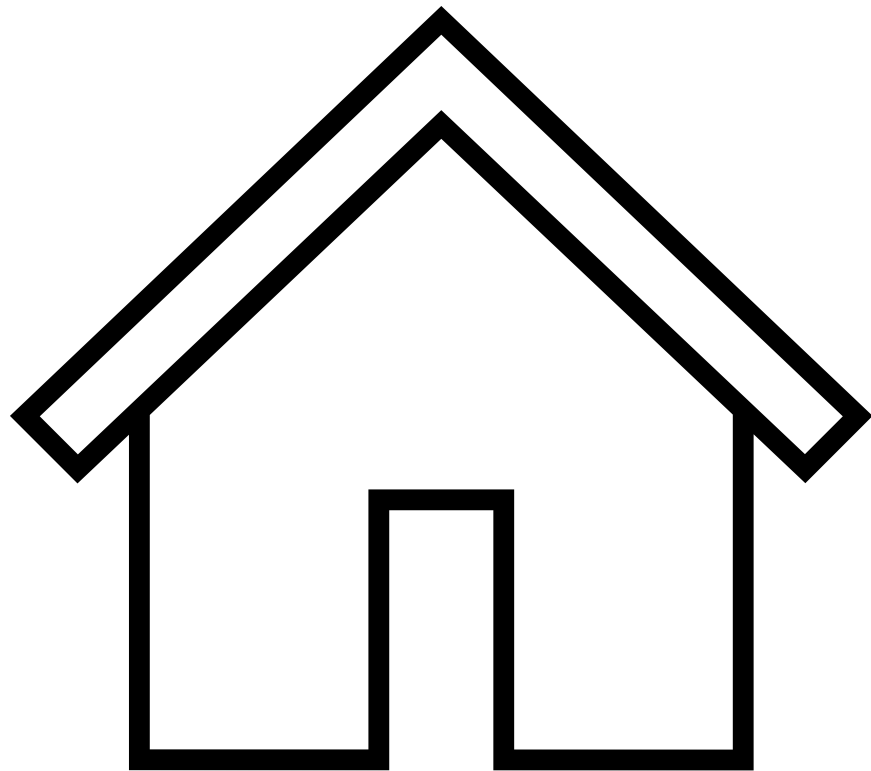
Breakdown of  
emissions from on-  
road transportation  
in the  
built environment/  
transportation  
sector (2014)



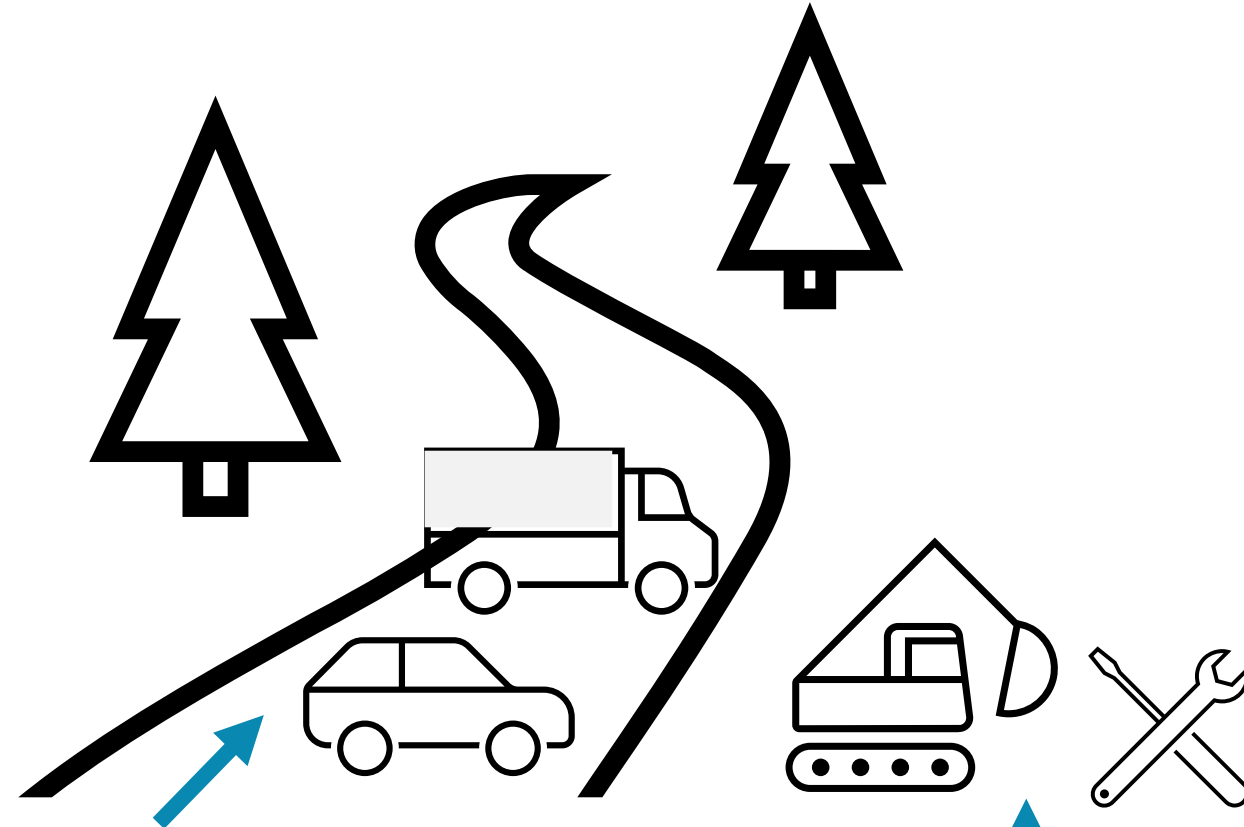


# Residential Emissions

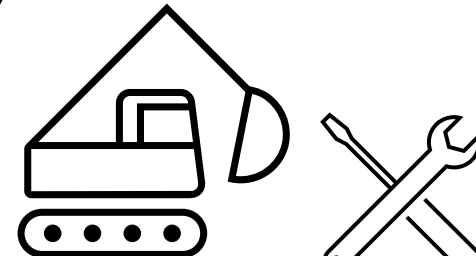
## Built Environment/ Transportation



Lawn and Garden  
Equipment



Heavy Duty Trucks &  
Diesel and Gasoline  
Passenger Cars



Construction



# What we heard...

- ▶ Stop urban sprawl
- ▶ Provide equitable public transit
- ▶ Increase electric vehicles (EVs) and EV infrastructure
- ▶ Improve bike and pedestrian infrastructure
- ▶ Incentivize green building practices





# Draft Vision Statement

Complete communities that leverage the unique characteristics of unincorporated area communities, support critical services and amenities such as retail, parks, and libraries, include accessible options such as sidewalks and bike lanes, and where infrastructure to support zero emission vehicles is widely available.

**Complete communities that leverage the unique characteristics of unincorporated area communities, support critical services and amenities, include accessible options, and where infrastructure to support zero emission vehicles is widely available.**

Yes, this Vision Statement ref... Almost There Not Quite No, this Vision Statement does...

No, this Vision Statement does not reflect my prior comments

Yes, this Vision Statement reflects my prior comments

Not Quite

Almost There



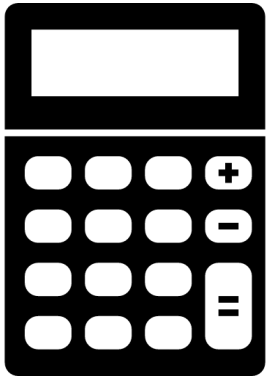


**For those of you who think we're almost or not quite there, what else do you think should be included?**





# Strategies & Measures to reach our shared vision



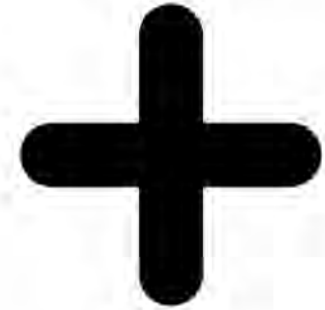
Quantifiable



Within Jurisdiction



Monitorable



Additional



## Why is reducing emissions in the Built Environment and Transportation sector important to you?





# Built Environment & Transportation Emissions Sector Strategy

**Strategy #1: Decarbonize On-road and Off-road Vehicle Fleet**

# Built Environment & Transportation

**Conceptual Measure #1:**  
Reduce the County's fleet and small equipment emissions XX% by 2030.



- ▶ Install Zero Emission Vehicle (ZEV) fueling infrastructure
- ▶ Implement Electric Vehicle (EV) Roadmap and Green Fleet Action Plan
- ▶ Adopt a County Operations Anti-Idling Policy



# Built Environment & Transportation

**Conceptual Measure #2:**  
Install 2,040 electric vehicle charging stations by 2030 and provide incentives for ZEVs in the unincorporated areas.



- ▶ Provide financial incentives to purchase ZEVs
- ▶ Fund and/or construct EV chargers in public areas
- ▶ Fund and/or construct neighborhood EV-supportive infrastructure (e.g., dedicated parking, lanes, etc.)



# Built Environment & Transportation

**Conceptual Measure #3:**  
Increase the use of low-carbon and zero-emission landscaping equipment and construction equipment in the unincorporated area.



- ▶ Develop a program to provide residents and business incentives

# Built Environment & Transportation

**Conceptual Measure #4:**  
Reduce emissions from loading docks and vehicle idling in the unincorporated area.



- ▶ Amend code to increase electrification of loading docks and/or require idling-reduction systems



**Does the strategy "Decarbonize on and off-road vehicles" make sense for your community? Why/why not?**

**Top**



## What are other actions the County could take to decarbonize on-road and off-road vehicle fleets?

**Top**





# Built Environment & Transportation Emissions Sector Strategy

**Strategy #2: Shift Towards Alternative  
Modes of Transportation**

# Built Environment & Transportation

**Conceptual Measure #1:**  
Reduce the number of miles traveled in car by County employees by XX% by 2030.



- ▶ Expand existing Employee Commuter Benefit Program
- ▶ Provide County employees rebates or incentives to purchase electric bikes and scooters
- ▶ Expand teleworking opportunities for County employees



# Built Environment & Transportation

**Conceptual Measure #2:**  
Improve County roads so they're more user-friendly for bikes, pedestrians, etc.



- ▶ Fund and/or construct traffic calming measures through the Capital Improvement Program
- ▶ Create multi-use pathways, trails, and bike infrastructure to connect destinations

# Built Environment & Transportation

**Conceptual Measure #3:**  
Reduce vehicle miles traveled in car in the unincorporated area by XX% by 2030 from new development.



- ▶ Adopt a Transportation Demand Management ordinance
- ▶ Require new development to share cost of roadway improvements such as transit amenities (e.g., bus shelters)





# Built Environment & Transportation

**Conceptual Measure #4:**  
Support walking, biking, transit, ridehailing, and carsharing in the unincorporated area.



- ▶ Develop countywide Safe Routes to Schools program
- ▶ Develop a car-sharing program
- ▶ Provide rebates or incentives to purchase electric bikes and scooters

**If any alternative modes of transportation were readily available to you, how likely would you be to use them?**

Very likely

Somewhat likely

Somewhat unlikely

Very unlikely

# Which measure would you most like to see implemented?

- Reduce miles traveled in car b...
- Improve County roads so they'r...
- Reduce miles traveled in car i...
- Support walking, biking, trans...

Support walking, biking, transit, ridehailing, and carsharing in the unincorporated area

Reduce miles traveled in car by County employees

Reduce miles traveled in car in the unincorporated area from new development

Improve County roads so they're more user-friendly for bikes, pedestrians, etc.





# Built Environment & Transportation Emissions Sector Strategy

**Strategy #3: Improve traffic efficiency**



# Built Environment & Transportation

**Conceptual Measure #1:**  
Improve traffic operations on  
County roadways.



- ▶ Adjust signal timing and/or synchronize signals
- ▶ Install or fund installation of roundabouts

Of the strategies discussed this evening, which is the most exciting to you?



**Strategy #1:**  
Decarbonize on-road and off-road vehicle fleet



**Strategy #2:**  
Shift towards alternative modes of transportation



**Strategy #3:**  
Improve traffic efficiency

**Built Environment &  
Transportation Emissions  
Sector Strategies**



**Are there any other Built Environment and Transportation strategies, measures, or actions the County should consider?**



# Built Environment & Transportation

**Co-Benefits:** additional, beneficial effects that will result from implementation of CAP strategies and measures.



- ▶ Improve community health
- ▶ Conserve farmland
- ▶ Save money on utility bills
- ▶ Save public tax dollars
- ▶ Improve air quality
- ▶ Conserve water
- ▶ Increase energy security/resilience
- ▶ Conserve habitat
- ▶ Create green jobs
- ▶ Reduce noise
- ▶ Promote environmental and social justice
- ▶ Improve access to electric vehicles
- ▶ Improve walking, biking, rolling, and transit options

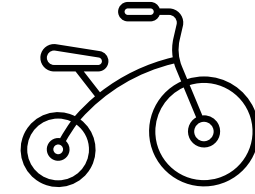


# Built Environment & Transportation

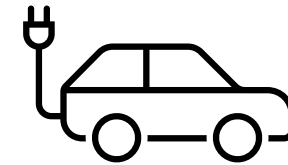
## Co-Benefits



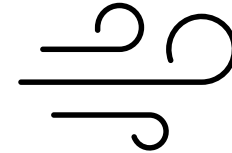
- ▶ What you said: “Slow streets”
  - ▶ Why this might be important to you:  
**Improve community health**



- ▶ What you said: “Affordable EV programs with car dealers for all income levels”
  - ▶ Why this might be important to you:  
**Improve access to electric vehicles**



- ▶ What you said: “Offer incentives to use public transportation”
  - ▶ Why this might be important to you:  
**Improve air quality**



- ▶ What you said: “Free door to door transport for disabled people”
  - ▶ Why this might be important to you:  
**Promote environmental and social justice**



**Given what we just discussed, which co-benefits are important to you? Select all that apply**

- Improve community health
- Conserve farmland
- Save money on utility bills
- Save public tax dollars
- Improve air quality
- Increase energy security/resilience
- Conserve water
- Conserve habitat
- Create green jobs
- Reduce noise
- Promote environmental and social justice
- Improve access to electric vehicles
- Improve walking, biking, rolling, and transit options

Given the following list, what other criteria are important to you when evaluating measures? Rank the following:

Support co-benefits

Support equity and  
environmental justice

Reduce GHG emissions  
quickly

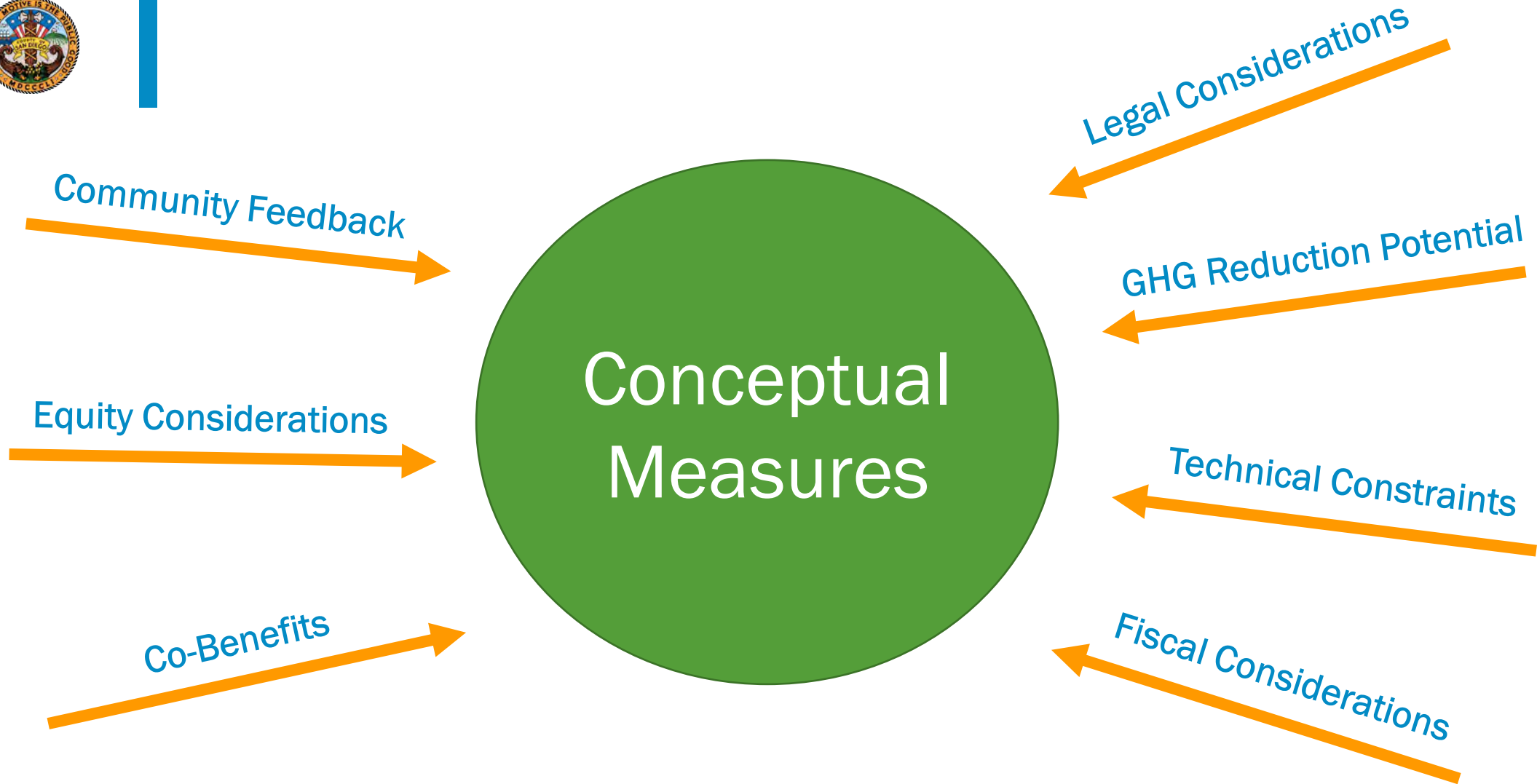
Reduce costs to residents  
and businesses

Save taxpayer money



# CAP Update Measures

## *What comes next?*





# Public Comment



WE WANT TO HEAR FROM  
YOU!



PLEASE SHARE  
ADDITIONAL COMMENTS.



ASK ANY QUESTIONS.

*Check out our webpage: [bit.ly/CAP\\_Update](https://bit.ly/CAP_Update)*



# Providing comments by phone

- ▶ Press Star (\*) 9 to indicate you would like to speak
- ▶ Listen for the message: “The host would like you to unmute your microphone. You can press Star (\*) 6 to unmute”
- ▶ When you are done with your comment, please press Star (\*) 6 to re-mute



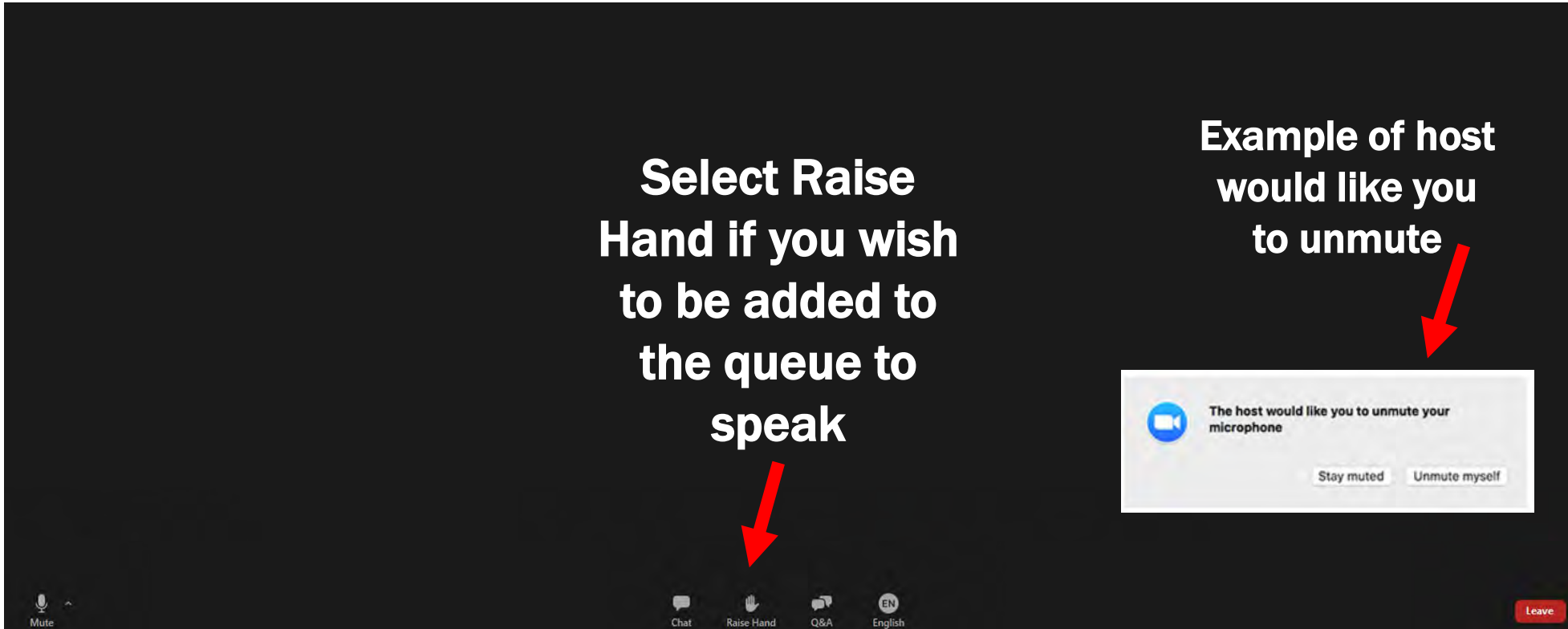
# Providing comments by Zoom

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Zoom Comments/Questions? Send message using the Q&A feature.

**Select Raise  
Hand if you wish  
to be added to  
the queue to  
speak**

**Example of host  
would like you  
to unmute**







# Public Comment



WE WANT TO HEAR FROM  
YOU!



PLEASE SHARE  
ADDITIONAL COMMENTS.



ASK ANY QUESTIONS.

*Check out our webpage: [bit.ly/CAP\\_Update](https://bit.ly/CAP_Update)*

# How to Get Involved



- ▶ Sign up for project updates
- ▶ Attend a virtual or in-person meeting – details will be shared via project updates
- ▶ Check out our webpage:  
[bit.ly/CAP\\_Update](https://bit.ly/CAP_Update)
- ▶ Email us: [CAP@sdcounty.ca.gov](mailto:CAP@sdcounty.ca.gov)
- ▶ Follow on social media:



@SDCoSustainable



@SDCountySustainable



@SDCountySustainable

# How to Get Involved:

## *Regional Decarbonization Framework*



## Energy Resiliency & Equity Report

- ▶ Identify vulnerabilities due to heat, power safety shutoffs, and utility costs
- ▶ Make recommendations for programs to strengthen infrastructure

## Existing Building Electrification Options Report

- ▶ Evaluate energy sources, needs, and consumption patterns
- ▶ Evaluate the costs and benefits of options to electrify




## Hydrogen Fueling Stations Report

- ▶ Analyze current and future hydrogen fueling needs
- ▶ Identify potential locations for hydrogen fueling



# How to Get Involved: *Other Projects*



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-  @SDCountySustainable
-  @SDCountySustainable



# THANK YOU FOR JOINING!

# Built Environment & Transportation Emissions Sector Workshop

## Climate Action Plan Update

August 24, 2022



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