



Welcome Energy Emissions Sector Workshop

Climate Action Plan Update

June 28, 2022

 @SDCoSustainable

 @SDCountySustainable¹



Interpretación simultánea en español

Si necesita interpretación simultánea:

Presione "Interpretation"
y seleccione "Spanish"



Mute

Chat

Raise Hand

Q&A

EN
English

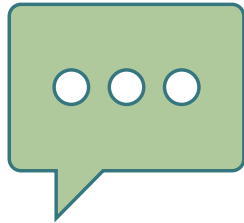
Leave



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

A screenshot of the Zoom "Question and Answer" window. The window title is "Question and Answer" and it has standard window controls (minimize, maximize, close). Below the title bar, there are two tabs: "All questions (4)" and "My questions (1)". A dropdown menu shows "Most Upvotes". The main content area shows a question from "Ariel Hamburger (You)" at 10:22 AM: "What's your favorite color?". Below it, a response from "CAP County of San Diego" at 10:23 AM: "Blue". There is a thumbs-up icon below the response. At the bottom, there is a text input field with the placeholder "Type your question here...". A link at the bottom right says "Who can see your questions?".

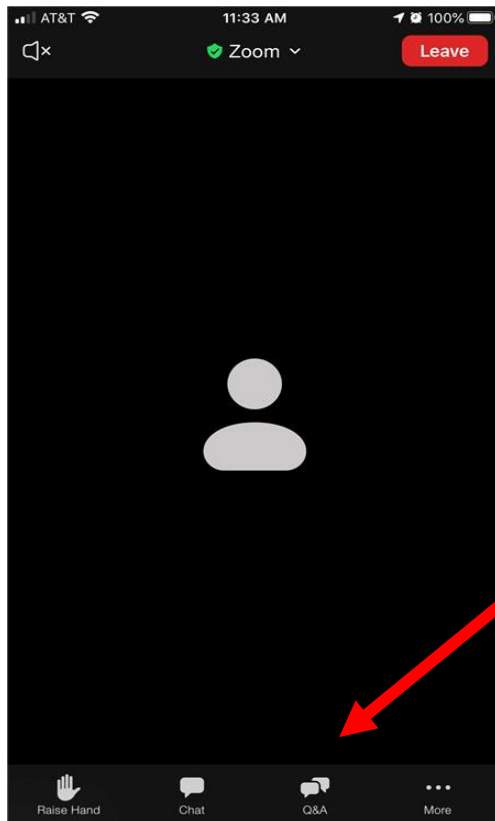


Zoom Meeting Controls

Mobile

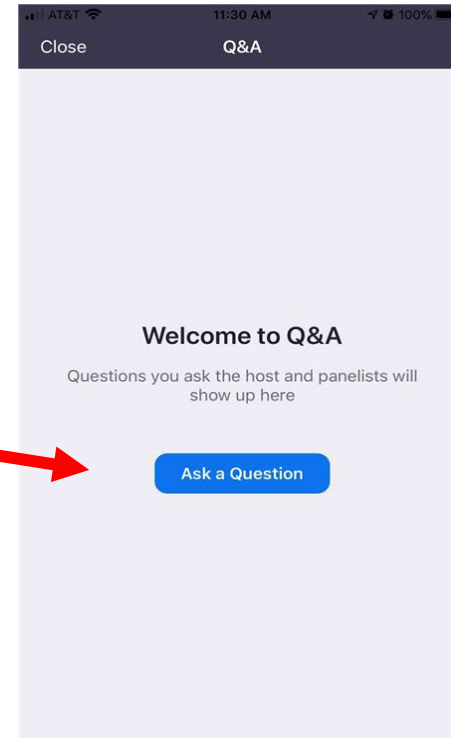
?

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: Energy 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 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.)

energy / utility 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



What's your
vision?

Vision
Statements



How can we
get there?

Strategies and
Measures



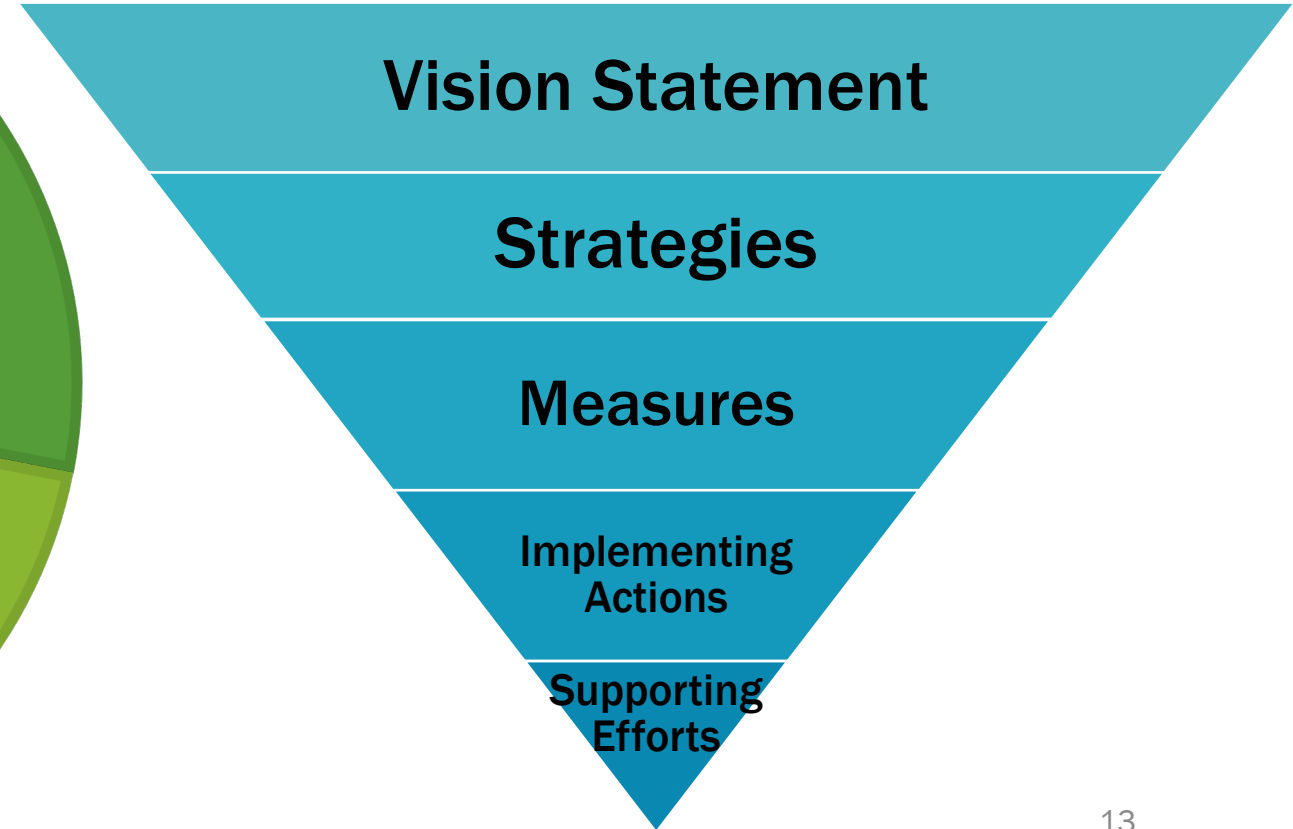
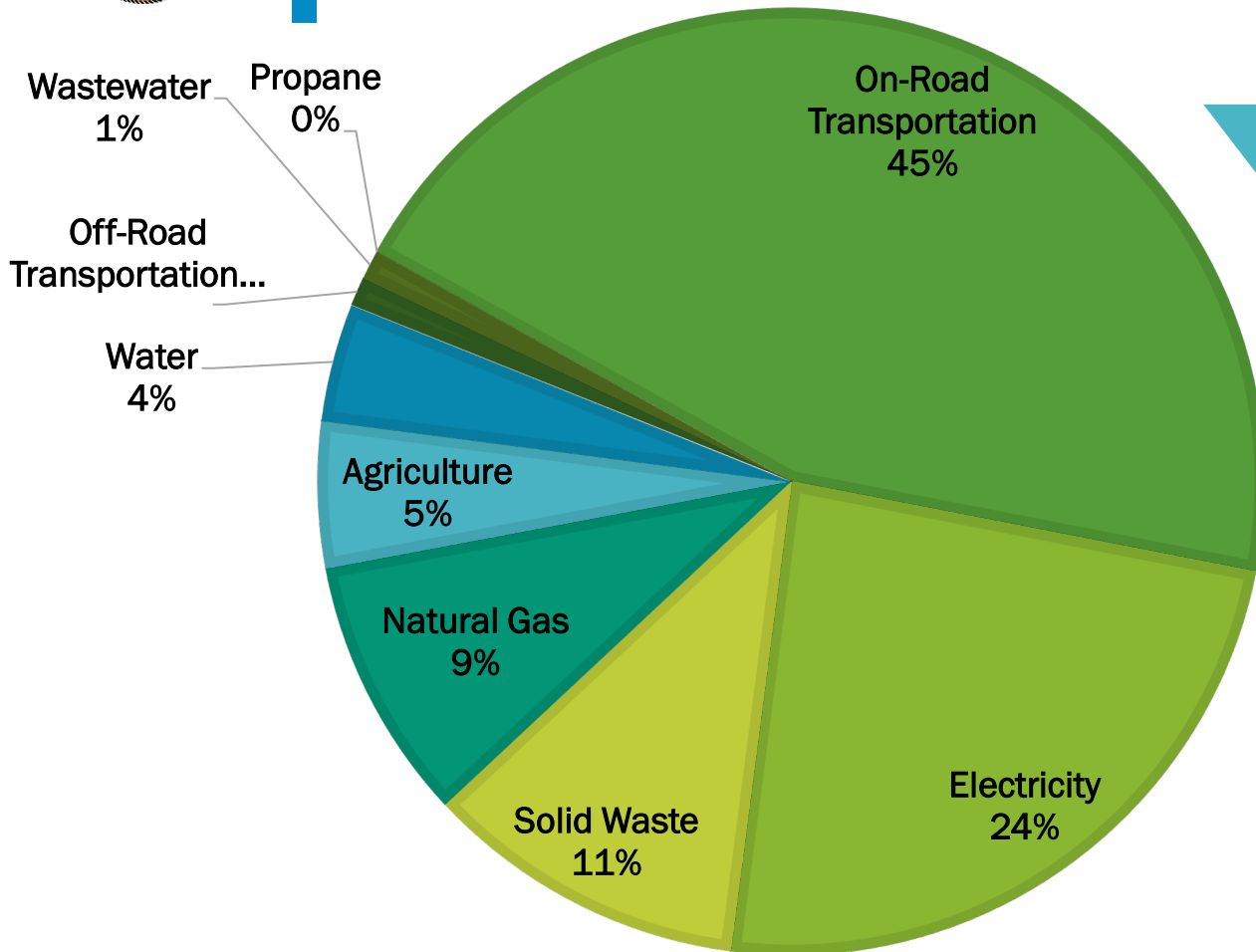
What
matters
to you
most?

Draft CAP
Update



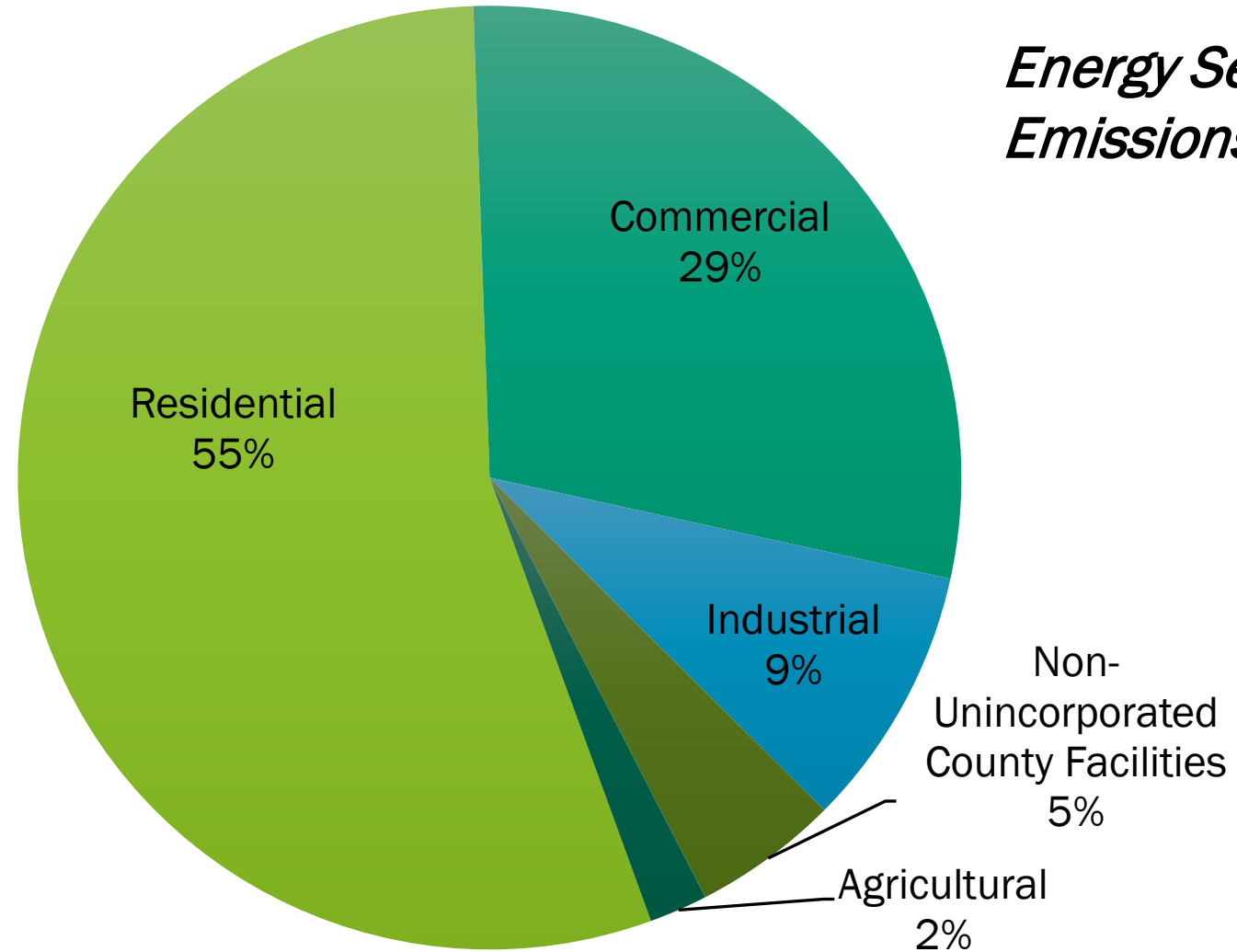
GHG Emissions And Our Approach

COUNTY GHG EMISSIONS BY SECTOR (2014)





Understanding Energy Emissions

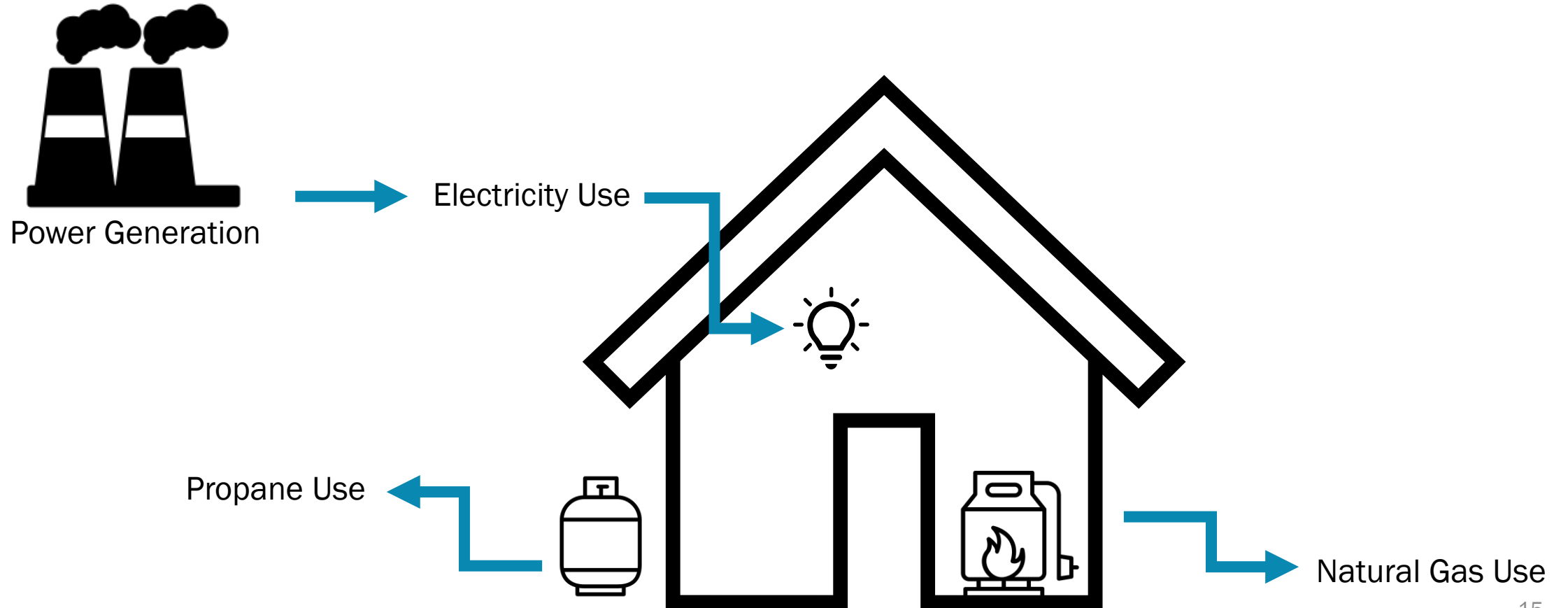


*Energy Sector
Emissions (2014)*



Where emissions come from

Energy





What we heard...

- ▶ Building/ appliance electrification & efficiency
- ▶ Access to renewable energy
- ▶ Subsidies and other incentives
- ▶ Clean energy jobs and training programs
- ▶ Education



Draft Vision Statement

Renewable, carbon-free energy systems power efficient buildings and result in resiliency, lower emissions, and reduced costs.

Did we get it right? Does the vision statement, "Renewable, carbon-free energy systems power efficient buildings and result in resiliency, lower emissions, and reduced costs" reflect your prior comments?

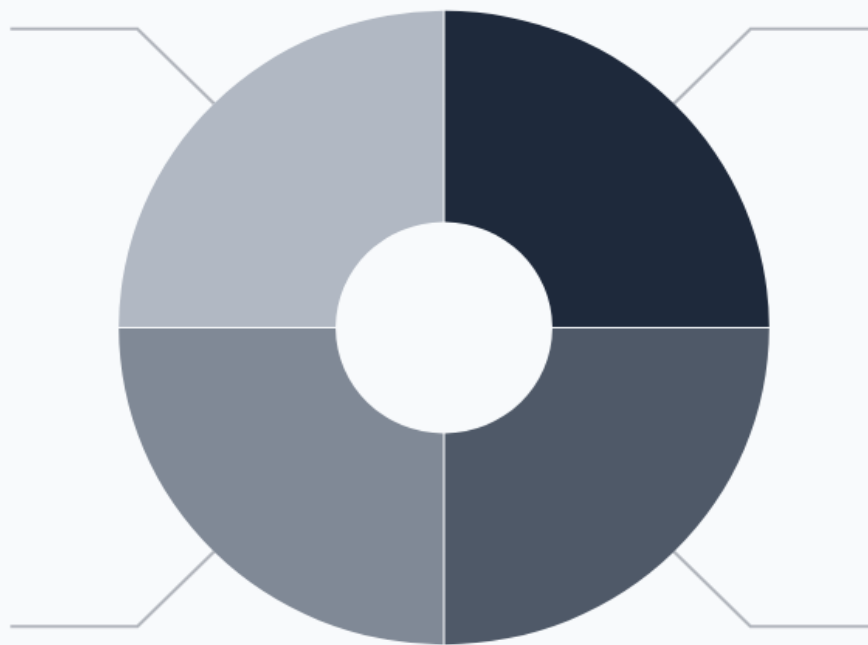
Yes, this Vision Statement ref... Almost There Not Quite No, this Vision Statement does...

No, this Vision Statement does not reflect my prior comments

Yes, this Vision Statement reflects my prior comments

Not Quite

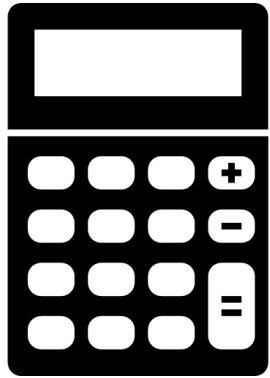
Almost There



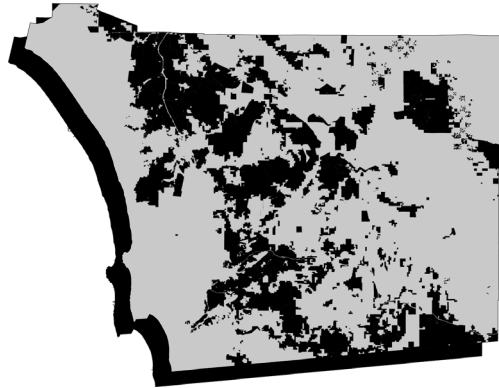
For those of you who think we're almost or not quite there, what else do you think should be included?



Strategies & Measures to reach our shared vision



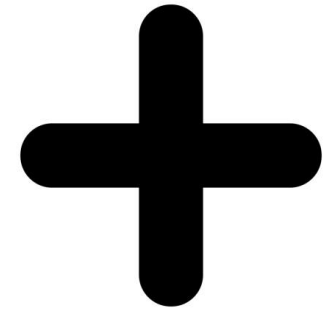
Quantifiable



Within Jurisdiction



Monitorable



Additional

Why does reducing energy use matter to you most?

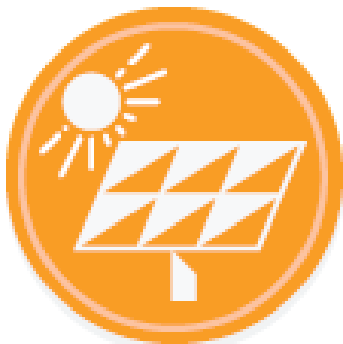


Energy Emissions Sector Strategy

Strategy #1: Increase building energy efficiency and electrification.

ENERGY

Draft Measure #1: Prioritize Energy Efficiency of County Facilities and Achieve XX% by 2030.



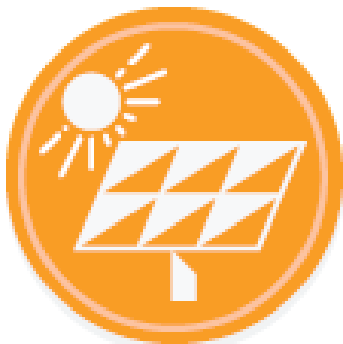
- ▶ Replace gas-powered equipment*
- ▶ Increase all-electric, Zero Net Energy new construction*
- ▶ Energy consumption/performance monitoring
- ▶ Increase LED lighting retrofits
- ▶ Use cool roofs

What actions would you like to see the County take to reduce energy use?

Top

ENERGY

Draft Measure #2: Increase energy efficiency and convert XX amount of Gas Appliances in Existing Buildings in the Unincorporated Area.



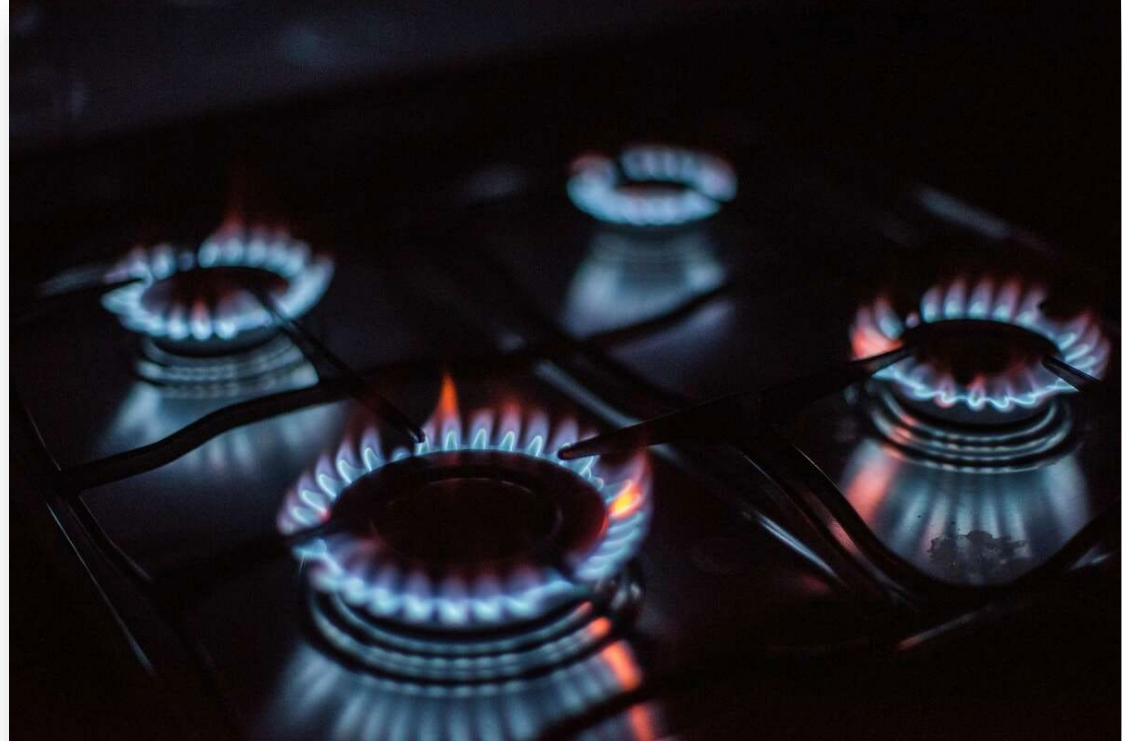
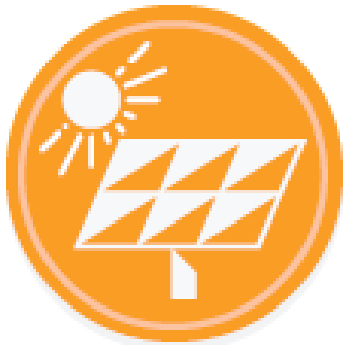
- ▶ Increase LED lighting retrofits
- ▶ Increase replacement of gas-powered appliances and equipment with electric where possible*
- ▶ Incentivize energy efficiency improvements*



What are other strategies the County can require or incentivize to increase the use of energy efficient appliances?

ENERGY

Draft Measure #3:
Achieve **Electrification**
of **XX%** of New
Buildings in the
Unincorporated Area
by 2030.



- ▶ Adopt policies and/or programs to reduce use of natural gas infrastructure in new buildings
- ▶ Develop incentives to install electric appliances *

What would make it easier for you to use less energy?

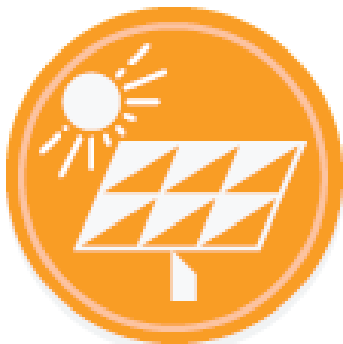


Energy Emissions Sector Strategy

**Strategy #2: Increase renewable energy
production and storage**

ENERGY

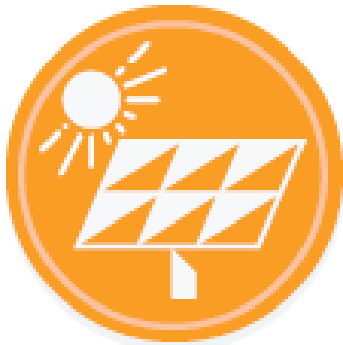
Draft Measure #1: Increase Renewable Energy Production and Storage at County Facilities by XX% by 2030.



- ▶ Install photovoltaic (PV) systems on existing County properties
- ▶ Fund or develop renewable energy projects
- ▶ Fund or install microgrids for critical County facilities*

ENERGY

Draft Measure #2:
Increase **Solar**
Photovoltaics and
Energy **Storage** in the
Unincorporated Area
by **XX%** by 2030.



- ▶ Require and/or incentive installation of solar photovoltaics and battery storage*
- ▶ Streamline residential renewable energy installation*

How interested are you in seeing more solar installed on buildings and houses in your community?

Very interested

Somewhat
interested

Neutral

Not really
interested

Not interested
at all

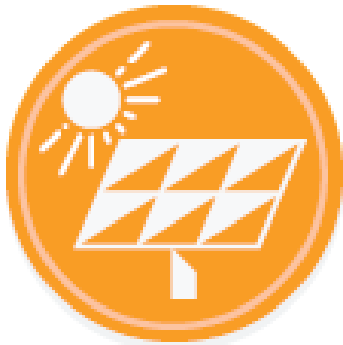


Energy Emissions Sector Strategy

Strategy #3: Reduce reliance on fossil fuels and high global warming potential products

ENERGY

Draft Measure #1: Reduce the Reliance on Gas and Diesel Generators in County Operations and in the Unincorporated Area.



- ▶ Use cleaner alternatives for generators at County facilities
- ▶ Amend County procurement standards to require new and replacement equipment at County facilities to be zero- or low-emission
- ▶ Incentivize replacement of gas/diesel generators in the unincorporated area

What are other ways we can move away from using gas or diesel generators?

Top

Of all the measures we shared, which one is most exciting to you?



Prioritize **Energy Efficiency of County Facilities** and Achieve **XX%** by 2030.



Increase **Renewable Energy Production and Storage at County Facilities** by **XX%** by 2030.



Convert **XX** amount of **Gas Appliances in Existing Buildings** in the Unincorporated Area.



Increase **Solar Photovoltaics and Energy Storage** in the **Unincorporated Area** by **XX%** by 2030.



Achieve **Electrification of XX%** of **New Buildings** in the Unincorporated Area by 2030.

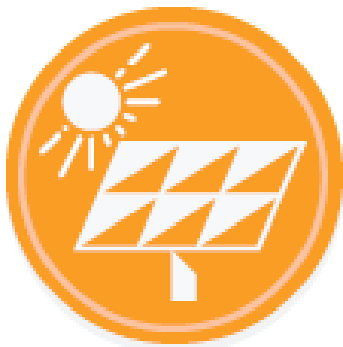


Reduce the **Reliance on Gas and Diesel Generators** in **County Operations** and in the **Unincorporated Area**.

Are there any other Energy strategies, measures, or actions the County should consider?

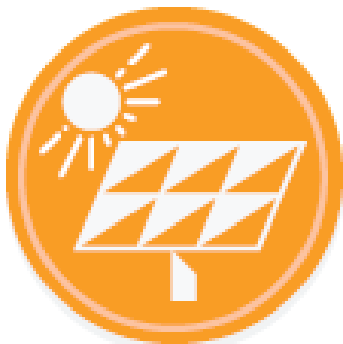
ENERGY

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

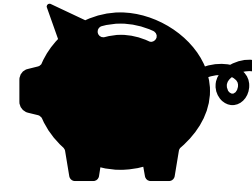


- ▶ Improve community health
- ▶ Conserve farmland
- ▶ Save money on utility bills
- ▶ Save public tax dollars
- ▶ Improve air quality
- ▶ Conserve water
- ▶ Increase energy security/resilience
- ▶ Conserve habitat
- ▶ Create green jobs
- ▶ Reduce noise
- ▶ Promote environmental and social justice
-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

Co-Benefits



- ▶ What you said: “Create clean energy / green jobs in rural and low-income areas”
 - ▶ Why this might be important to you: **create green jobs**



- ▶ What you said: “Prioritize retrofits in disadvantaged and high pollution areas”
 - ▶ Why this might be important to you: **improve community health**



- ▶ What you said: “Building electrification & efficiency: retrofits, embodied carbon targets”
 - ▶ Why this might be important to you: **save money on utility bills**



- ▶ What you said: “Subsidize or provide grants for rooftop solar PV for low-income communities”
 - ▶ 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



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



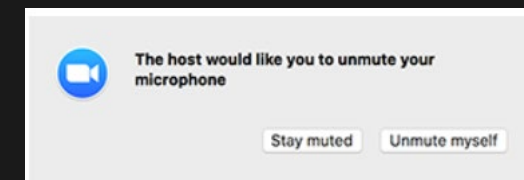
Providing comments by Zoom

?

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



Mute

Chat

Raise Hand

Q&A

English

Leave



Public Comment



WE WANT TO HEAR FROM
YOU!



PLEASE SHARE
ADDITIONAL COMMENTS.



ASK ANY QUESTIONS.

Check out our webpage: 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
- ▶ Email us: CAP@sdcounty.ca.gov
- ▶ Follow on social media:



@SDCoSustainable



@SDCountySustainable

How to Get Involved: More Workshops



Later this summer:



Agriculture and Conservation



Built Environment and
Transportation

Regional Decarbonization Framework Energy Related Alignments



Energy
resiliency &
equity study



Building Electrification Study



How to Get Involved: Other Projects



Organic Materials Ordinance Update



Native Plant Landscaping Policy Options



Accelerate to Zero Initiative



Sustainable Land Use Framework



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THANK YOU FOR JOINING!

Energy Emissions Sector Workshop

CAP UPDATE

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