

# Regional Decarbonization Framework

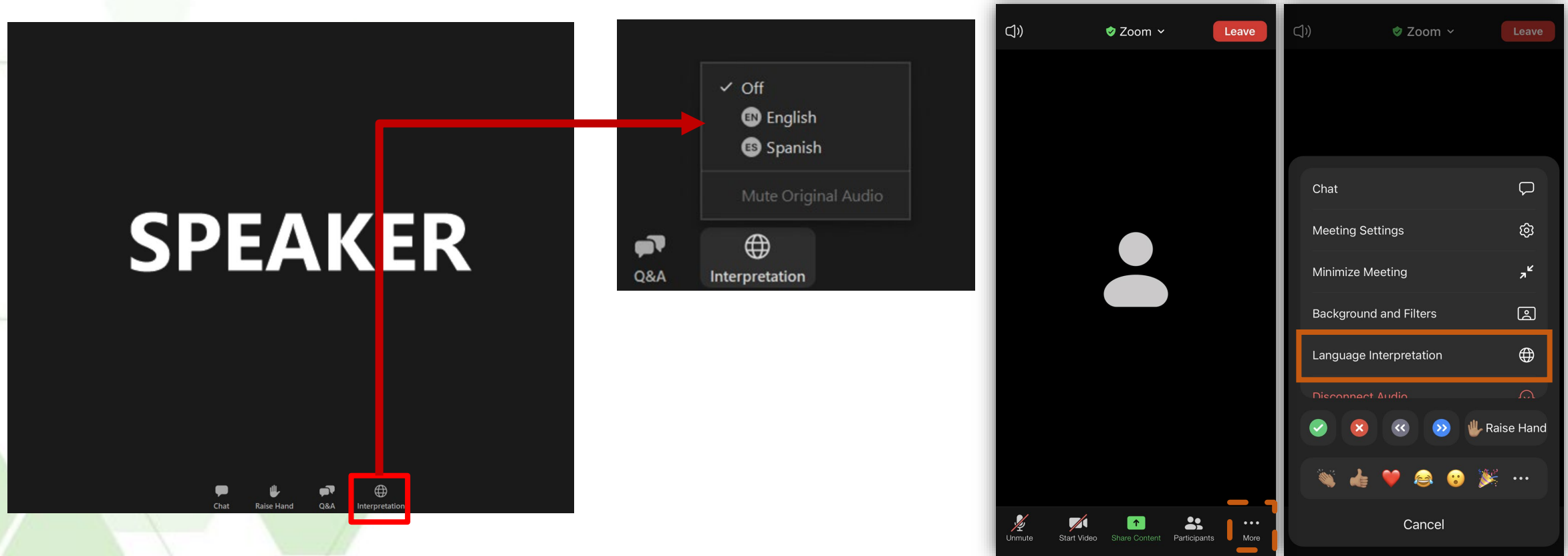
**A Collaborative Effort  
to Lower the Region's  
Carbon Footprint**

**Community Meeting**

May 17, 2022

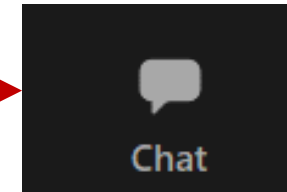
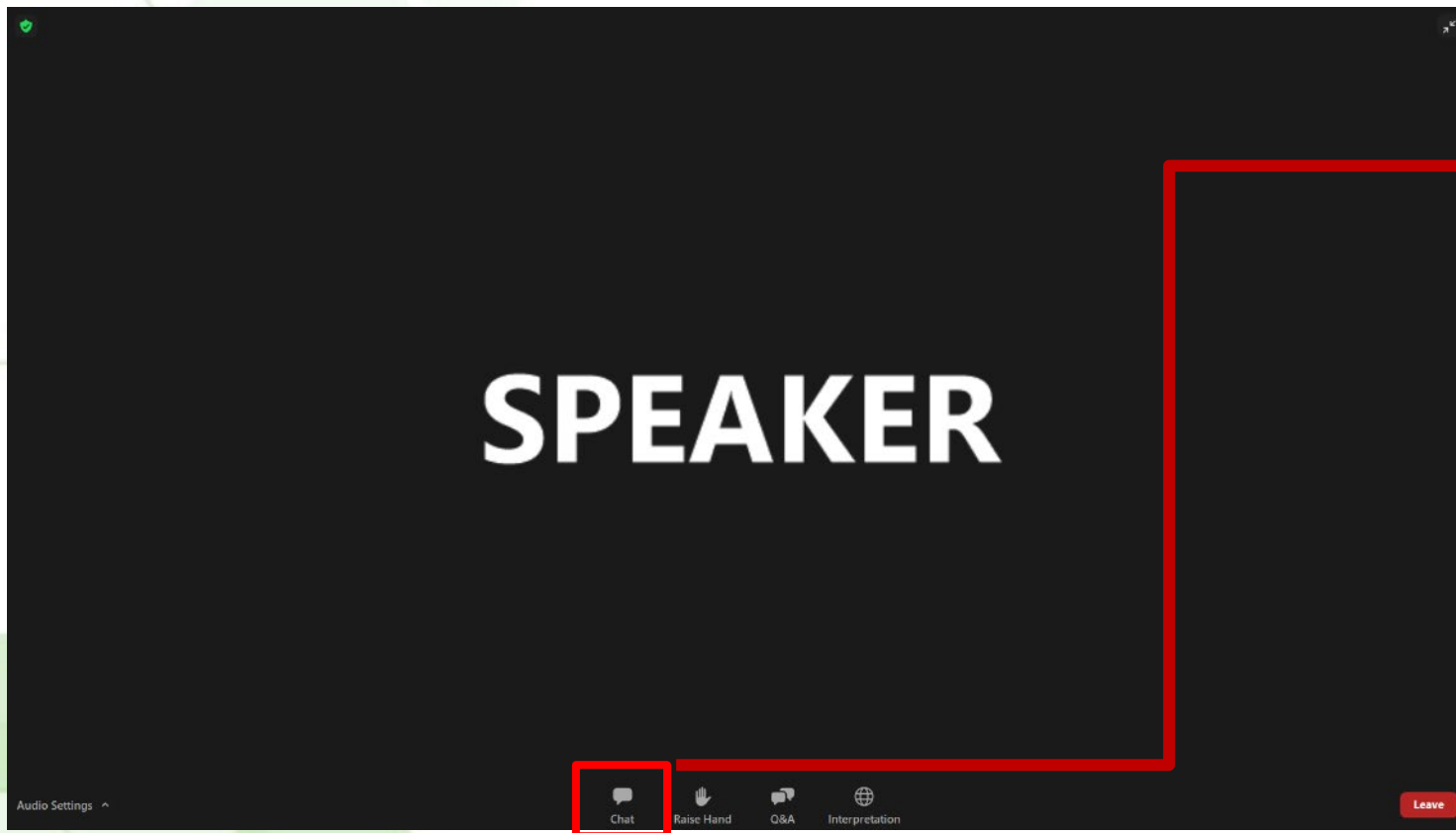


# How to use Zoom // *Cómo Usar Zoom*



Please select your language of choice (you must select one option)  
*Debe seleccionar el idioma de su preferencia (Tiene que escoger un idioma)*

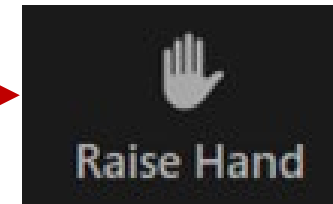
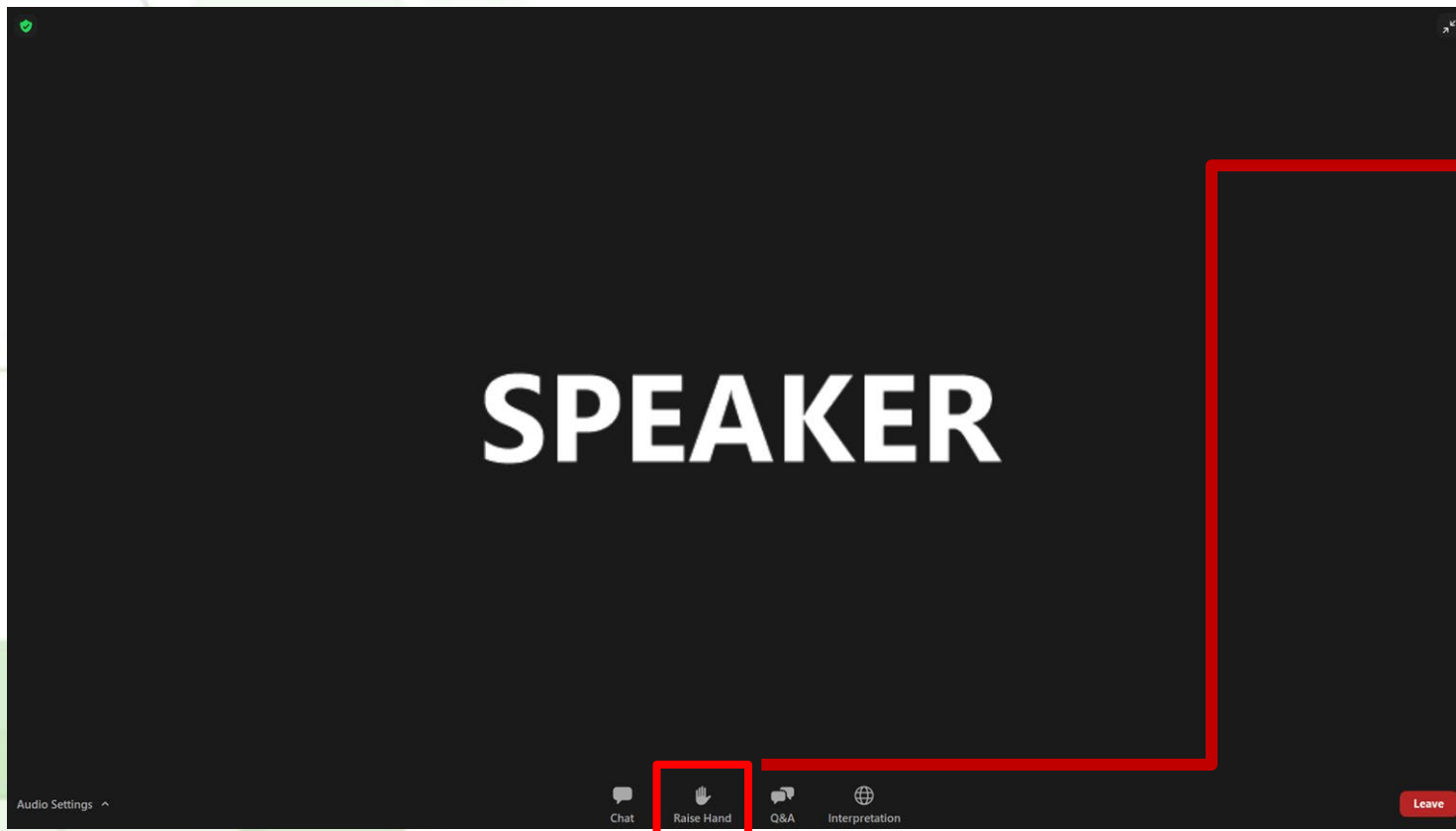
# How to use Zoom // *Cómo Usar Zoom*



Comments and questions can be submitted through the chat window.

*Los comentarios y las preguntas se pueden enviar a través de la ventana de chat.*

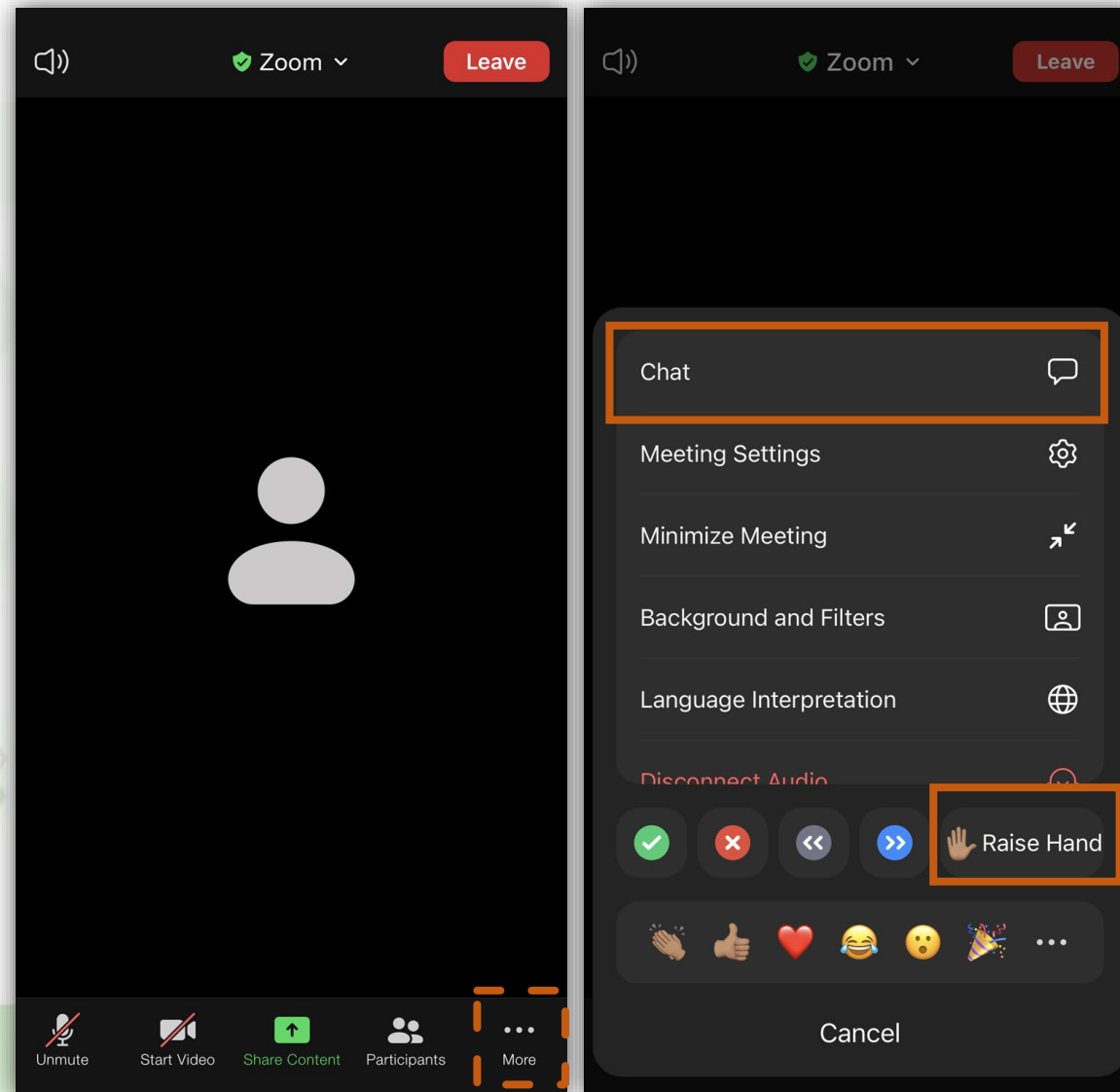
# How to use Zoom // *Cómo Usar Zoom*



During the discussion, if you would like to speak over the audio, please raise your hand (otherwise questions and comments can be submitted through the Chat window)

*Durante el debate, si desea participar de manera oral, por favor, levante la mano (de lo contrario, las preguntas y comentarios pueden presentarse a través de la ventana de Chat)*

# On your Phone // *En su teléfono móvil*



# Regional Decarbonization Framework

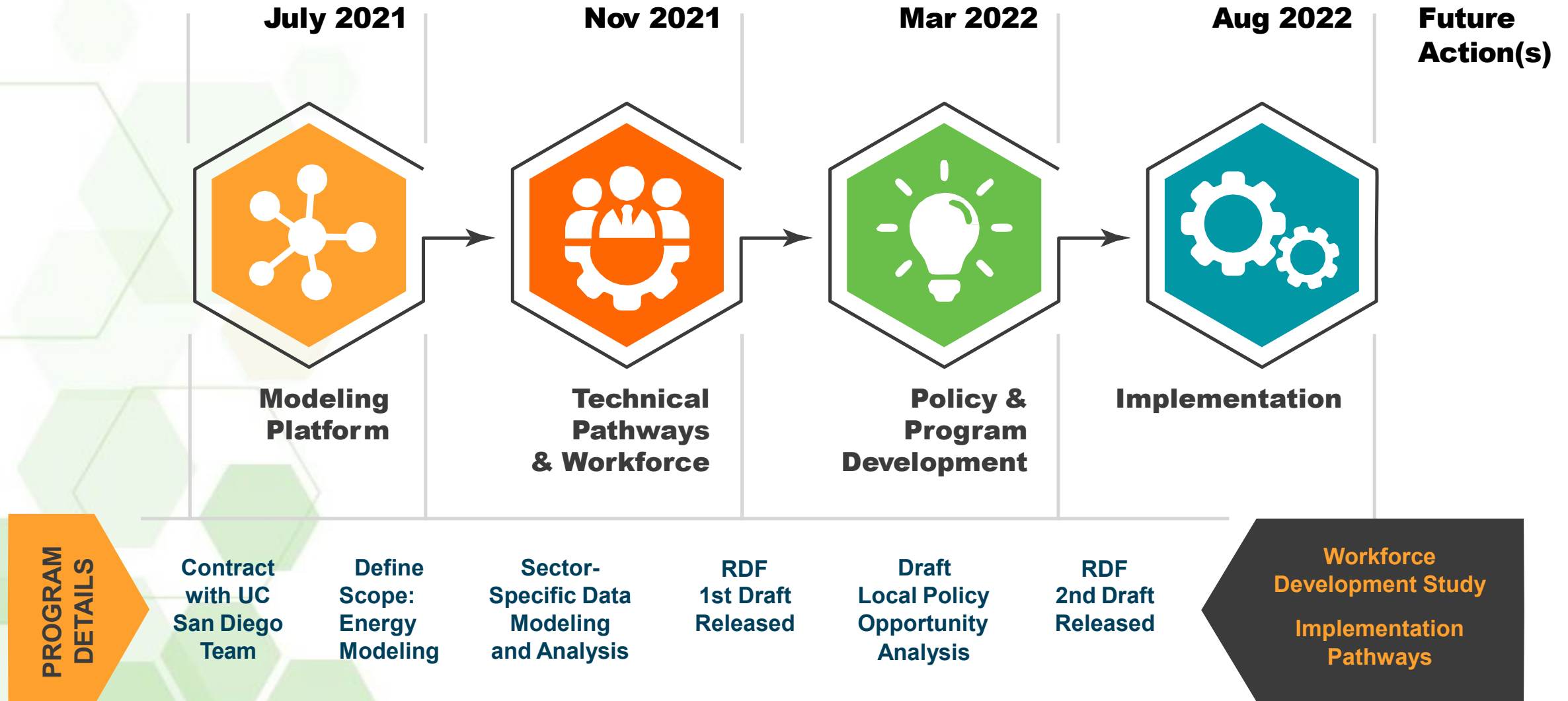
**A Collaborative Effort  
to Lower the Region's  
Carbon Footprint**

**Community Meeting**

May 17, 2022



# Timeline

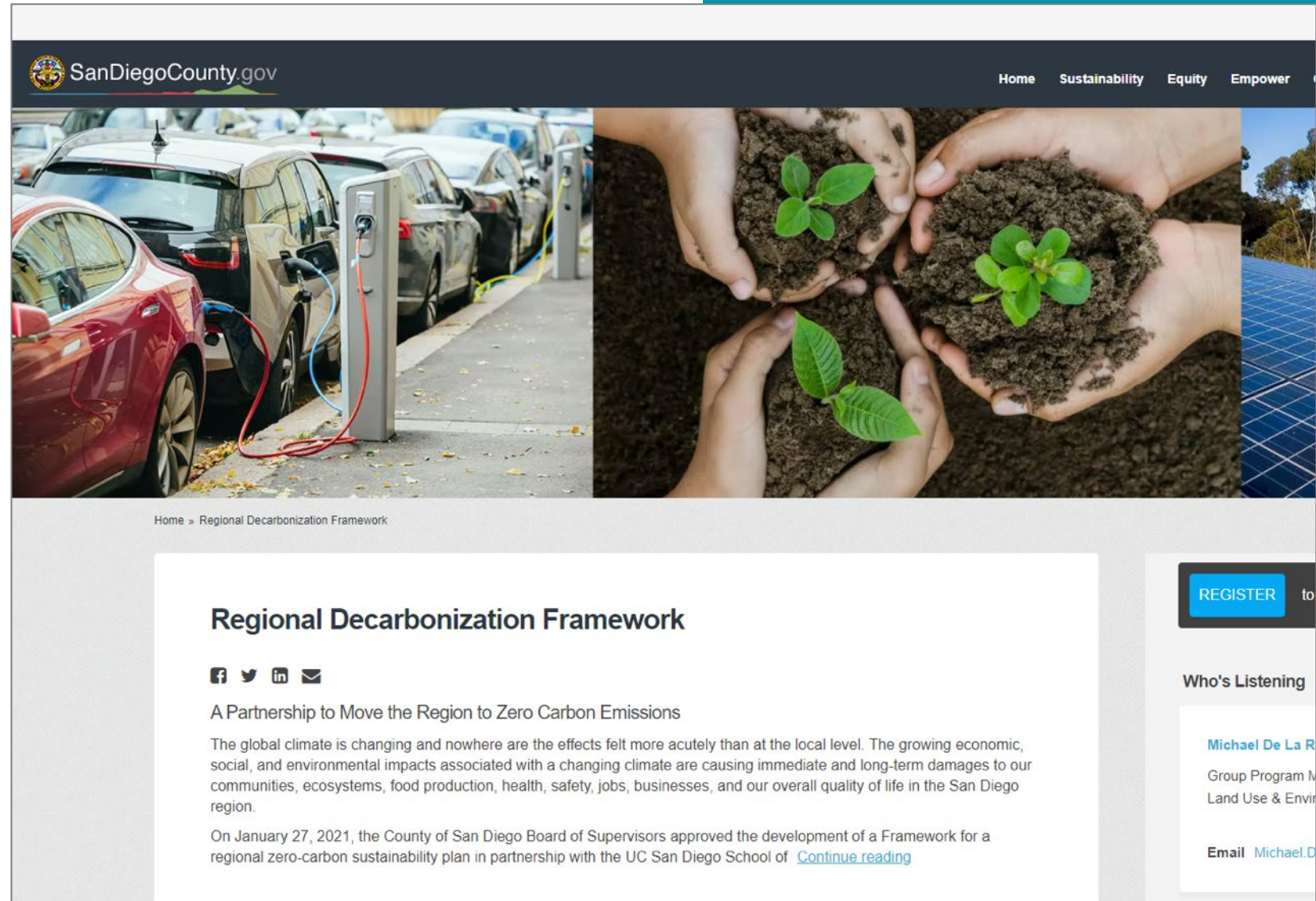


# Engagement Tool

Documents available for comment through May 31, 2022

- Technical Report
- Summary for Policy Makers
- Workforce Report

Learn about the project, ask questions, comment directly on draft documents, and connect with the project team



The screenshot shows the San Diego County website (SanDiegoCounty.gov) with a header navigation bar including Home, Sustainability, Equity, and Empower. The main content area features a large image of electric cars charging and hands holding soil with seedlings. Below the image, the title "Regional Decarbonization Framework" is displayed, followed by social media icons and a brief description: "A Partnership to Move the Region to Zero Carbon Emissions". The text explains the global climate change impacts and the County's commitment to a zero-carbon sustainability plan. A "Continue reading" link is provided. On the right side, there is a "REGISTER" button and a "Who's Listening" section listing Michael De La Riva as a Group Program Manager for Land Use & Environment, with an email contact.

SanDiegoCounty.gov

Home Sustainability Equity Empower

Home » Regional Decarbonization Framework

## Regional Decarbonization Framework

f t in e

A Partnership to Move the Region to Zero Carbon Emissions

The global climate is changing and nowhere are the effects felt more acutely than at the local level. The growing economic, social, and environmental impacts associated with a changing climate are causing immediate and long-term damages to our communities, ecosystems, food production, health, safety, jobs, businesses, and our overall quality of life in the San Diego region.

On January 27, 2021, the County of San Diego Board of Supervisors approved the development of a Framework for a regional zero-carbon sustainability plan in partnership with the UC San Diego School of [Continue reading](#)

REGISTER to

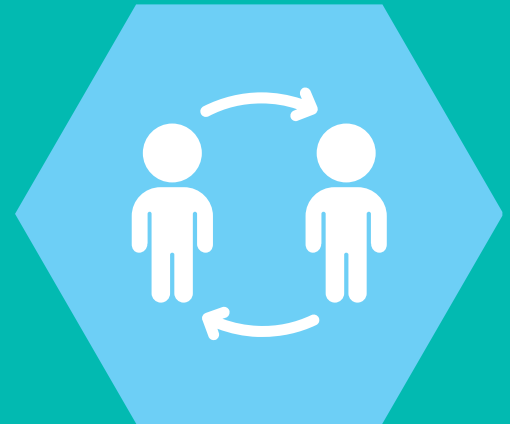
Who's Listening

Michael De La Riva  
Group Program Manager  
Land Use & Environment

Email Michael.D

## Outreach and Engagement

- Community meetings
- Sector workshops
- City Council presentations
- Tribal governments
- Stakeholder presentations and engagement



# Community Meetings

- Two completed (March 24 and April 19)
- Recordings are available on our website

Here are the recordings from the **April 19 public meeting**



Equity

Collaboration

Underserved  
populations

Concerns  
beyond CO<sub>2</sub>  
emissions

# Sector Workshops



**ELECTRICITY**



**NATURAL CLIMATE  
SOLUTIONS AND LAND  
USE**



**TRANSPORTATION**



**AGRICULTURE**



**BUILDINGS**



**JOBS**

# Electricity Sector Workshop – Key Takeaways Presented



- This chapter provides pathways to meet projected electricity demand using 100% renewable, scalable, proven energy
- Numerous scenarios attempt to reach projected 2050 regional energy demand under different constraints and objectives – these scenarios are not prescriptive and are not recommendations

# Electricity Sector Workshop – Registered Groups/Organizations/Jurisdictions



- American Assets Trust
- Anza-Borrego Desert Natural History Association
- Associate Member, County Democratic Party Central Committee
- Board of Supervisors District 3
- Central Coast Community Energy
- Center for Community Energy
- Citizens for a Friendly Airport
- City of Carlsbad
- City of Chula Vista
- City of Encinitas
- City of La Mesa
- City of San Diego
- City of Solana Beach
- Cleantech San Diego
- Climate Action Campaign
- Climate Reality Project, SD
- Conover Realty
- Descanso Community Planning Group
- Environmental Health Coalition
- Farm Bureau
- Gatzke Dillon & Ballance LLP
- Goodwill Industries of SD County
- IBEW Local 465
- Industrial Environmental Association
- inewsource
- J. Whalen Associates, Inc.
- Jacumba community sponsor group
- Leichtag Foundation
- League of Women Voters San Diego
- Martinek Group
- Paul's LLC
- PCF Electric Inc.
- Powers Engineering
- Private rancher
- Pacific Southwest Association of Realtors
- San Diego Air Pollution Control District
- San Diego Audubon Society
- San Diego Building Electrification Coalition
- San Diego Community Power
- San Diego County Air Pollution Control District
- San Diego Gas & Electric Company
- San Diego Green New Deal Alliance
- San Diego Regional Chamber of Commerce
- San Diego State University
- San Diego Union Tribune
- San Luis Rey Band of Mission Indians
- San Pasqual Valley Soils
- SANDAG
- SanDiego350
- Senator Toni Atkins
- Sharp HealthCare
- Sierra Club
- Sierra Club San Diego
- Sorrento
- Spring Valley Community Planning Group
- Student - San Diego State University
- Southwest Wetlands Interpretive Association
- The Climate Mobilization
- UC San Diego
- UN Sustainable Development Solutions Network
- UNITE HERE Local 30
- United Association of Plumbers and Pipefitters Local 230
- University Professional and Technical Employees, GND Committee/CWA 9119
- United States Fish and Wildlife Service
- Valley Center Municipal Water District
- Victory Gardens San Diego
- Viejas Band of Kumeyaay Indians
- World Public Health Nutrition Association

# Electricity Sector Workshop – Feedback Summary



- Support for rooftop and infill solar to minimize land impacts and transmission costs
- Support for utility-scale solar and wind to increase high quality jobs
- Support for batteries and energy storage
- Interest in additional scenarios and sensitivity analyses
- Support for this approach of renewable energy-only as well as for an all-of-the-above approach

# Natural Climate Solutions and Land Use

## Sector Workshop – Key Takeaways Presented



- The San Diego region's natural and working lands have large stores of carbon and sequesters large amounts of carbon annually
- There are numerous opportunities to increase and protect natural carbon dioxide sequestration and storage
- Natural climate solutions have environmental, health, social, and economic co-benefits
- Equity and environmental justice should be key considerations

# Natural Climate Solutions and Land Use

## Sector Workshop – Feedback Summary



- Aequor
- Agri Service Inc.
- Agua Tibia Ranch, LLC
- Air Voltaics LLC
- Batra Ecological Strategies
- Bee Valley Farm
- Botanical Community Development Initiatives
- Carbon Sink Farms
- Center on Policy Initiatives (CPI)
- Citizens for a Friendly Airport
- City of Carlsbad
- City of Solana Beach
- Climate Action Campaign
- Climate Reality Project, SD
- CNPSSD
- DSA San Diego
- Endangered Habitats League
- Farmer
- Keller Williams Realty
- Lyall Enterprises, inc.
- McDaniel Fruit Co. Inc.
- Mellano & Company
- Michael Faelin - Independent Energy Expert
- Mike's Metal Works, Inc.
- Organic Avocado farmer
- Preserve Calavera
- Rancho Monte Vista
- Resource Conservation District of Greater San Diego County
- San Diego County Air Pollution Control District
- San Diego County Dept of Agriculture, Weights & Measures
- San Diego County Farm Bureau
- San Diego County Planning and Development Services
- San Diego Food System Alliance
- San Diego Green Infrastructure Consortium
- San Diego Green New Deal Alliance
- San Diego Regional Chamber of Commerce
- San Diego Union Tribune
- San Pasqual Valley Soils
- SANDAG
- SanDiego350
- Saraspe Seafoods, SDFSA
- Stewardship Committee
- SD350, SANDAG SEWG, Q of L Housing
- SDBEC
- SDG&E
- SDGNDA
- Sea and Soil
- Seley ranch
- Sierra Club
- Solana Center for Environmental Innovation
- Southwest Wetlands Interpretive Association
- Teamsters Local 166
- The Compost Group
- The Climate Mobilization
- The San Diego Foundation
- UN Sustainable Development Solutions Network
- Univ. of California Cooperative Extension
- Victory Gardens San Diego
- Zero Waste San Diego

# Natural Climate Solutions and Land Use Sector Workshop – Feedback Summary



- Support for protecting natural and working lands from land use change, including:
  - Protecting forests, chaparral, blue carbon habitats
  - Preventing loss of agricultural lands
  - Preventing “sprawl” development
  - Address transfer of development rights (TDRs)
- Promote carbon farming, local food system, and healthy soils through voluntary incentives, addressing water costs, preventing loss of working lands to land use change, supporting small-scale farming (over “industrial farming”), growing more food (rather than nursery plants and ornamentals), supporting farmers who are already carbon farming and helping other farmers start carbon farming
- Interest in other greenhouse gas emissions, especially landfill emissions

# Transportation Sector Workshop – Key Takeaways Presented



## TRANSPORTATION

- Pathways to meet State-mandated carbon neutrality goals for transportation
- Existing policy landscape is strong, but current policies are insufficient to meet State requirements
- Transportation policies can be more effective when designed from a regional perspective

# Transportation Sector Workshop – Registered Groups/ Organizations/Jurisdictions



## TRANSPORTATION

- ASLA
- Associate Member, County Democratic Party Central Committee
- Building Industry Association
- Center for Community Energy
- Center on Policy Initiatives (CPI)
- Citizens for a Friendly Airport
- City of Encinitas
- City of La Mesa
- City of San Diego
- City of Solana Beach
- Cleantech San Diego
- Climate Action Campaign
- Climate Reality Project, SD
- Descanso Planning Group
- DSA San Diego
- Endangered Habitats League
- Environmental Health Coalition
- GreenPower Motor Company
- IBEW Local 465
- Industrial Environmental Association
- Leach Johnson Ranches
- Mid-City CAN
- Mike's Metal Works, Inc.
- Olivewood Gardens and Learning Center
- Port of San Diego
- Preserve Calavera
- San Diego Association of Governments
- San Diego County Air Pollution Control District
- San Diego County APCD
- San Diego Energy District Foundation
- San Diego Green New Deal Alliance
- SD350
- SDAPCD
- SDG&E
- SDGNDA
- Senator Toni Atkins
- Sharp HealthCare
- Sierra Club
- Sierra Club San Diego
- Southwest Wetlands Interpretive Association
- Student - San Diego State University
- Sweetwater Planning Group
- Teamsters Local 166
- The Climate Mobilization
- The San Diego Foundation
- UN Sustainable Development Solutions Network
- Union of Pan Asian Communities
- UNITE HERE Local 30
- United Taxi Workers of San Diego
- University of California San Diego
- Urban Crossroads

# Transportation Sector Workshop – Feedback Summary



## TRANSPORTATION

- Support for more EV charging infrastructure (public and private) installation in a more equitable way (prioritize low-income communities and areas with little EV infrastructure)
- Support for fleet electrification goals (jurisdictions, public agencies, school districts, universities, etc.)
- Support for incentives to increase EV adoption and use for households and small businesses
- Support for more active transport infrastructure to make communities more accessible to biking, walking, or rolling
- Support for incentivizing transit use through programs like the Youth Opportunity Pass and other reduced cost/free passes and/or through road-use charges
- Support development/zoning that encourages growth in urban areas and discourages growth far from amenities and/or transit opportunities (i.e., discourage “sprawl”), for example through transfer of development allowances
- Support solutions to solve the “first/last mile problem”
- More opportunities for backcountry, rural communities, and tribal communities

# Agriculture and Food System Meeting – Key Takeaways Presented



## AGRICULTURE

- Carbon farming can sequester and store large amounts of atmospheric carbon while simultaneously producing local food and providing important co-benefits like improved water and air quality; lower water and fertilizer inputs; higher crop yields; and more
- Other carbon farming and restoration techniques and operations not included in this analysis may be important for both increased carbon sequestration and for co-benefits and are worth further study
- Equity and farmer input/feedback should be central to structuring incentives

# Agriculture and Food System Meeting – Feedback Summary



## AGRICULTURE

- Support for incentives to:
  - Give credit to farmers for what they are already doing
  - Adopt new technologies for the farming community
  - Increase/enhance/start carbon farming
  - Give credit for other ecological services/co-benefits associated with carbon farming
  - Promote peer-to-peer learning, information sharing, experimentation
  - Minimize loss of farmland and land use change away from working lands
  - Reduce barriers to entry for new farmers
- Support regulation and/or a financial market to prevent conversion of agricultural lands
- Support for more investment in agricultural education in schools, community colleges, and to the broader community to bolster interest in agricultural careers
- Support for intersection of workforce development and agricultural sector to create high-road jobs and careers that benefit from climate investments and contribute to climate goals
- Concerns about composting as a natural climate solution. Concerns about cost, feasibility, and quality
- Concern that carbon farming is not applicable to greenhouse industry

# Buildings Sector Workshop – Key Takeaways Presented



- Modeled pathways to zero on-site emissions under three scenarios
- Electrifying space and water heating in new and existing buildings will be key to decarbonizing residential and commercial buildings
- Electrification policies should focus on equity

# Buildings Sector Workshop – Registered Groups/Organizations/Jurisdictions



## BUILDINGS

- Building Electrification Institute
- California Energy Alliance
- Citizens for a Friendly Airport
- City of Encinitas
- City of La Mesa
- City of San Diego
- City of Solana Beach
- CleanTECH San Diego
- Climate Action Campaign
- Climate Reality Project, SD
- DSA San Diego
- Energy Code Ace Program (San Diego Gas & Electric)
- Groundwork San Diego - Chollas Creek
- IBEW Local 465
- Industrial Environmental Association
- IQHQ
- Leach Johnson Ranches
- LWV
- Mike's Metal Works, Inc.
- NAIOP San Diego / BOMA San Diego
- Port of San Diego
- PSAR
- San Diego County Air Pollution Control District
- San Diego County APCD
- San Diego Green New Deal Alliance
- San Diego Regional Chamber of Commerce
- San Diego Regional Climate Collaborative
- SANDAG
- SanDiego350
- SDAPCD
- SDBEC
- SDG&E
- Sharp HealthCare
- Sierra Club San Diego
- Southwest Wetlands Interpretive Association
- Student - San Diego State University
- Sustainrgy
- The Climate Mobilization
- UN Sustainable Development Solutions Network
- UNITE HERE Local 30

# Buildings Sector Workshop – Feedback Summary



- Desire for State and local action to accelerate electrification of new buildings
- Support for local financial help for low-income residents, landlords, building owners to decarbonize
- Support for retrofits or analysis of building emissions at the point-of-sale
- Opportunities exist for building decarbonization using high-road jobs
- Support for community-driven solutions to retrofit existing buildings and centering those solutions to equity to prevent renters, low-income homeowners, communities of concern from being left behind
- Support for municipalities and jurisdictions to lead by example and electrify buildings that serve communities of concern, disadvantaged communities
- Support for both incentives and mandates to accelerate space and water heating electrification

# Employment and Jobs Sector Workshop – Key Takeaways



- Billions are anticipated to be invested in energy demand and supply industries, resulting in tens of thousands of jobs annually
- Jobs and worker characteristics will vary
- Numerous examples of possible policies from State and federal levels to support “high road” green jobs resulting from climate investments

# Employment and Jobs Sector Workshop – Registered Groups/Organizations/Jurisdictions



- Building Industry Association
- Center for Community Energy
- Center on Policy Initiatives (CPI)
- Citizens for a Friendly Airport
- City of Carlsbad
- City of La Mesa
- City of San Diego
- City of Solana Beach
- CleanTECH San Diego
- Climate Action Campaign
- Climate Action Campaign / San Diego Green New Deal Alliance
- Climate Reality Project, SD
- DSA San Diego
- Environmental Health Coalition
- HHSA/OIRA
- IBEW Local 465
- Industrial Environmental Association
- IQHQ
- Leach Johnson Ranches
- Marathon Construction Corporation
- MERARCHITECT
- Mike's Metal Works, Inc.
- Mission Resource Conservation District
- Olivewood Gardens and Learning Center
- Port of San Diego
- San Diego Air Pollution Control District
- San Diego County Air Pollution Control District
- San Diego County APCD
- San Diego Energy District
- San Diego Green Infrastructure Consortium
- San Diego Regional Chamber of Commerce
- SANDAG
- SanDiego350
- SDG&E
- Sharp HealthCare
- Sierra Club
- Sierra Club San Diego
- STAY COOL for Grandkids
- The San Diego Foundation
- The Climate Mobilization
- UN Sustainable Development Solutions Network
- Union of Pan Asian Communities
- UNITE HERE Local 30
- United Association of Plumbers and Pipefitters Local 230
- UPTE-CWA 9119, SDICLC, CLUW San Diego

# Employment and Jobs Sector Workshop – Feedback Summary



- Support for regional collaboration to achieve climate goals and create high-road, green jobs
  - In the RDF: electricity generation, building electrification
  - Beyond the RDF: interest in hydrogen, biomethane, etc.
- Support for engaging workers and labor in workforce development strategies
- Emphasized that private investment in decarbonization and green jobs will be important
- Support for interagency, interjurisdictional, and interregional collaboration
- Support for project labor agreements, working family ordinances, safety nets, and apprenticeship and workforce development programs
- Comments for and against green hydrogen

# City Council Presentations

- 6 completed: Del Mar, Chula Vista, Encinitas, Imperial Beach, Lemon Grove, and Santee
- 1 scheduled: Solana Beach
- Themes of feedback:
  - Importance of collaboration
  - Flexibility in regional collaboration – not a one-size fits all approach
  - Next steps in implementation
  - An economic analysis would be useful
  - Importance of public awareness & education
  - Collaboration can help municipalities to attract State and federal funding

# Stakeholder Presentations and Engagement

- Presentations to and discussions with:
  - Cities and municipalities
  - Community sponsor groups
  - Industry groups
  - Business community
  - Philanthropy
  - Energy experts
  - Education
- 70+ meetings so far, more scheduled and planned in coming months
- 3 comment letter so far

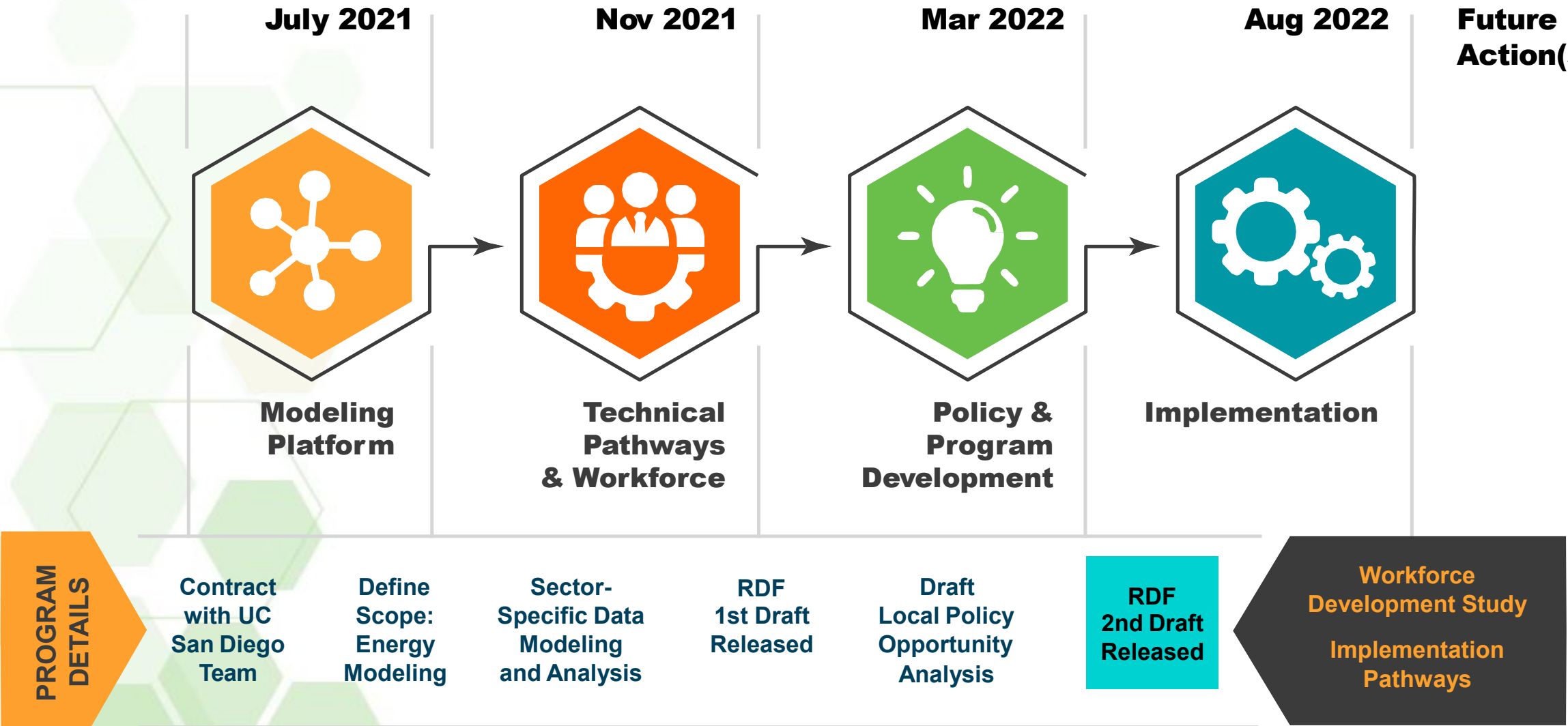


## How Feedback Will Be Incorporated in the RDF

- All comments are collected and sent to study authors for consideration as they draft the next Technical and Workforce reports
- Additionally, comments will help us in our next steps for Implementation Pathways



# Next Steps and Deadlines



# Public Outreach Plan

## Sector Workshops



### Focus Groups:

April 7  
April 14  
April 21  
April 28  
May 5

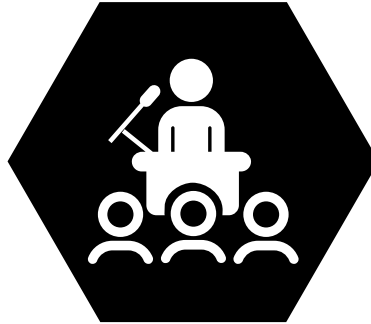
## Community Gatherings



### Monthly:

March 24  
April 19  
May 17  
June 28  
July 26  
Aug 31 (tentative)  
Sep 13  
October  
November

## Community Learning Sessions



### Monthly:

Based on requests from partners, as well as district anchor CBOs

## Direct Engagement Meetings & Presentations



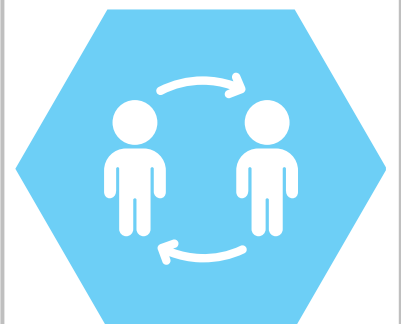
**One-on-one meetings/  
presentations:**  
Ongoing

## Pop-Up Community Events



**Various opportunities to educate a general audience:**  
Ongoing

## Regional Convenings for Implementation



**Events with public officials and stakeholders on implementation pathways:**  
Early 2023

# Regional Decarbonization Framework

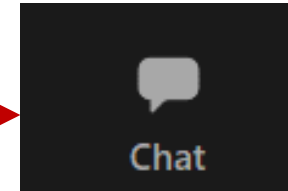
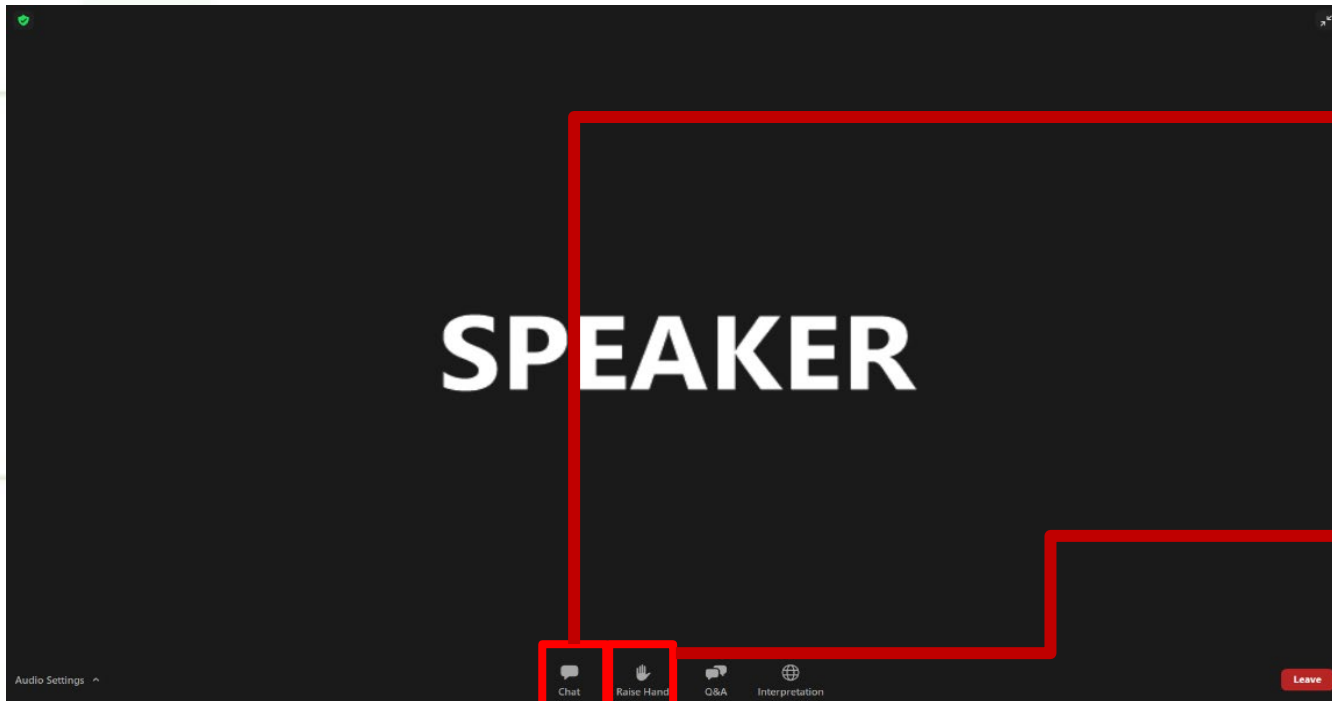
**A Collaborative Effort  
to Lower the Region's  
Carbon Footprint**

**Community Meeting**

May 17, 2022

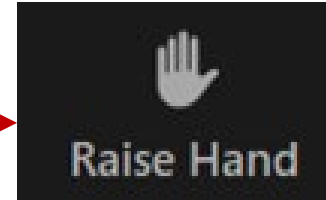


# How to use Zoom // *Cómo Usar Zoom*



Comments and questions can be submitted through the chat window.

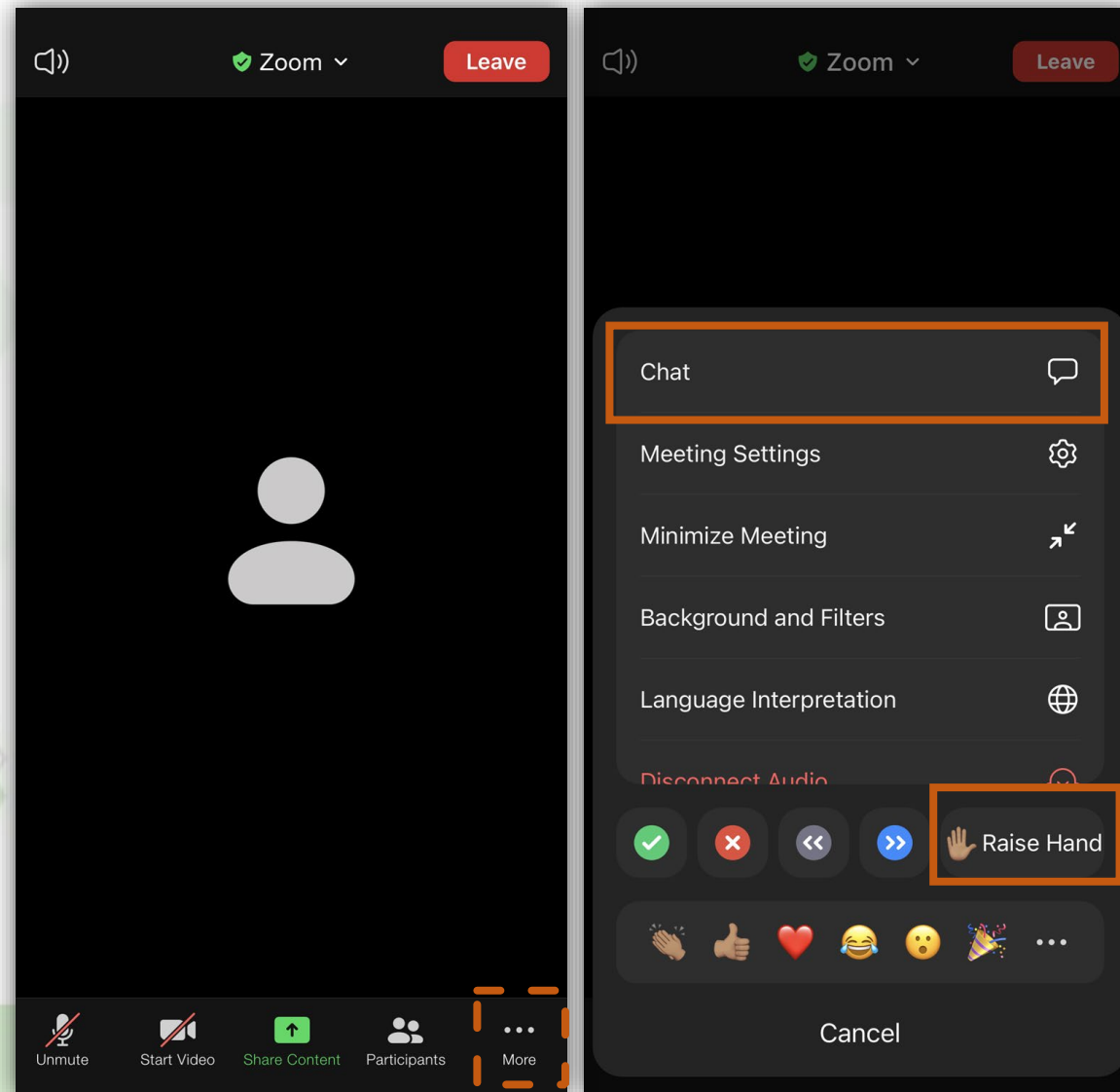
*Los comentarios y las preguntas se pueden enviar a través de la ventana de chat.*



If you would like to speak over the audio, please raise your hand

*Si desea participar de manera oral, por favor, levante la mano*

# On your Phone // *En su teléfono móvil*



## QUESTION #1 – (ZOOM POLL AND DISCUSSION)

What building decarbonization tools are most important for local action?  
(Select all that apply.)

- A. Financing
- B. Financial Incentives (e.g., rebates)
- C. Requirements (e.g., local ordinances)
- D. Education
- E. Other (please type into Zoom chat or raise hand to speak)

# Regional Decarbonization Framework

**A Collaborative Effort  
to Lower the Region's  
Carbon Footprint**

**Community Meeting**

May 17, 2022

