

Summary of Public Engagement for Climate Action Plan Update

Final – March 2024

Prepared for

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Introduction

In 2015, the City of Carlsbad was one of the first jurisdictions in San Diego County to adopt a “qualified” Climate Action Plan, consistent with California Environmental Quality Act (CEQA) Guidelines, that outlined strategies and policies to reduce greenhouse gas (GHG) emissions. The Climate Action Plan was developed concurrently with the update of the city’s General Plan. Since then, communitywide GHG inventories for the city and statewide GHG targets have been updated, presenting the opportunity for the city to update its Climate Action Plan and further pursue the community’s goal of promoting a sustainable environment. The Climate Action Plan Update will evaluate the city’s plan for reducing GHG emissions, including the following components:

- Evaluating existing GHG reduction targets and forecasts
- Assessing revisions to current GHG reduction measures
- Exploring potential new GHG reduction measures
- Conducting a benefit-cost analysis of revised and potential new measures
- Developing implementation monitoring procedures

The Climate Action Plan Update will also include preparation of the appropriate documentation to meet the requirements of CEQA.

Overview of Public Engagement

This summary provides an overview of public engagement conducted by the city between January and June 2022 (Phase I) and between July 2022 and November 2023 (Phase II) as part of the Climate Action Plan Update. This summary also includes public engagement conducted in the interim period between Phase I and Phase II, from October 2022 to May 2023.

Public Engagement Goal

To ensure the Climate Action Plan Update reflects the community’s needs, priorities, and values.

Public Engagement Objectives

Specific engagement objectives include:


- Describe the importance of the Climate Action Plan and the city’s role in environmental leadership.
- Relate climate change and its impacts to relatable scenarios and aspects of life for residents and businesses.
- Communicate constraints and/or pros/cons to Climate Action Plan measures.
- Remove industry jargon and other communication barriers so the average person can understand and provide meaningful input.
- Provide a variety of methods for the public to provide input, including in person and online.
- Create opportunities that will encourage traditionally underrepresented groups to provide input.

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- Gather ideas on how equity can be integrated into the Climate Action Plan and implementation.
- Gauge comfort and interest level in helping to implement Climate Action Plan strategies.
- Inform the public how input will be used.

About the Input

The International Association of Public Participation’s (IAP2) spectrum of public participation illustrates a range of approaches to involving the public in decision making. The public engagement process for the Climate Action Plan Update includes “inform,” “consult,” and “involve.”

		INCREASING IMPACT ON THE DECISION 				
		INFORM	CONSULT	INVOLVE	COLLABORATE	EMPOWER
PUBLIC PARTICIPATION GOAL		To provide the public with balanced and objective information to assist them in understanding the problem, alternatives, opportunities and/or solutions.	To obtain public feedback on analysis, alternatives and/or decisions.	To work directly with the public throughout the process to ensure that public concerns and aspirations are consistently understood and considered.	To partner with the public in each aspect of the decision including the development of alternatives and the identification of the preferred solution.	To place final decision making in the hands of the public.
	PROMISE TO THE PUBLIC	We will keep you informed.	We will keep you informed, listen to and acknowledge concerns and aspirations, and provide feedback on how public input influenced the decision.	We will work with you to ensure that your concerns and aspirations are directly reflected in the alternatives developed and provide feedback on how public input influenced the decision.	We will look to you for advice and innovation in formulating solutions and incorporate your advice and recommendations into the decisions to the maximum extent possible.	We will implement what you decide.

Source: International Association of Public Participation 2018

Qualitative Input with A Convenience Sample

The input included in this summary is qualitative in nature and was obtained through a convenience sample. This means that the city focused on gaining an in-depth understanding of community members’ perspectives, and the results cannot be generalized to the city’s entire population within a defined margin of error. Therefore, the input in this report should be considered with a similar weight as other forms of feedback that have always been part of the city’s decision-making process, such as comments made at City Council meetings or emails sent to the city expressing an opinion.

Underrepresented Communities

Deliberate effort and attention were given to reach underrepresented communities in the city. Several groups representing people of different races and ethnicities, Native American tribes, low-income populations, LGBTQ+ communities, youth, and seniors were contacted based on their

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interest in helping advocate for underrepresented groups in Carlsbad and the San Diego region. This includes 18 groups during Phase I and Phase II engagement activities. Although the city reached out to several stakeholders during Phase I and Phase II, many declined to participate in interviews and others could not be reached through available contact information. Appendix A includes a list of all 76 stakeholders contacted by the city in Phase I, and Appendix H includes a list of all 99 stakeholders contacted in Phase II. Throughout Phase I and Phase II, the city translated surveys and various outreach materials into Spanish to help further the reach of engagement activities.

Phase I Public Engagement Activities and Input Received

The overall goal of Phase I engagement was to activate and inform stakeholders about the Climate Action Plan Update development process while allowing the city to better understand the specific desires and needs of diverse stakeholder groups. This information would inform how the Climate Action Plan Update document would be framed and gain preliminary input on priorities for developing GHG reduction measures and actions. The city conducted the following public engagement between January and June 2022 as part of the first phase of the Climate Action Plan Update.

Targeted Outreach: Appendix A includes a list of all 76 stakeholders contacted by the city and invited to participate in stakeholder interviews and complete the online survey. This approach allowed the city to conduct early outreach focused on soliciting feedback from specific audiences, including environmental advocates, business and industry groups and community-based organizations representing underrepresented groups.

Stakeholder Interviews: The city met with 13 stakeholders, representing nine different community-based organizations, that participated in interviews between March 9, 2022 and May 16, 2022. The stakeholder interviews focused on input that will inform the development of the Climate Action Plan, including questions about the current Climate Action Plan, potential changes as part of the Climate Action Plan Update, suggestions on potential measures to include by emissions sector and ideas for how to integrate equity into the Climate Action Plan. The city developed a specific set of questions for these interviews. Appendix B includes a table that provides a list of stakeholders that participated in interviews, a record of discussion questions used during the interviews and a record of meeting notes from each interview.

Online Survey: An online survey was also available to stakeholders to complete instead of, or in addition to, participating in stakeholder interviews. The survey questions were similar to the prompts used for discussion during the stakeholder interviews, which provided an additional way for stakeholders to provide input as part of the Climate Action Plan Update. The survey was also made available to the public on the city's website. As of June 27, 2022, 16 survey responses were received. The survey questions and a summary of responses are included in Appendix C.

City Council Updates: City staff presented the Climate Action Plan Annual Report for Reporting Period 5 (January 1, 2021 – December 31, 2021) to the City Council on April 19, 2022. During the

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same meeting, city staff also discussed the Climate Action Plan Update with the City Council and received feedback to use a traffic model customized to Carlsbad to get a more accurate estimate of GHG emissions and make sure the Climate Action Plan Update is aligned with other city plans using the same model.

Booth at Earth Month Celebration: City staff hosted a booth to share information and talk with members of the public about the Climate Action Plan Update as part of the City's annual Earth Month Celebration. The event was held on April 2, 2022, at Pine Avenue Community Center and Park. The booth allowed staff to have informal conversations with the public about climate change and the Climate Action Plan, with the goal of directing people to take the survey.

Additional Comments: Additional comments received by the city are included in Appendix E. The Rincon Band of Luiseño Indians submitted one additional comment letter on June 22, 2022.

Strategic Plan Priorities

The City Council identified the following main themes that they wanted to address in a five-year strategic plan:

- Economic vitality
- Sustainability and the environment
- Community character
- Quality of life and safety
- Organizational excellence and fiscal health

The Climate Action Plan Update supports sustainability and the environment.

Incorporating Input from 5-Year Strategic Plan (March 2022): The City Council developed a 5-year strategic plan¹ with policy goals to reflect the most important priorities of the community. The City Council adopted the strategic plan on October 11, 2022. These goals are one way the city delivers on the Carlsbad Community Vision, a set of nine core values community members said were important to Carlsbad's future.

Input related to "Sustainability and Natural Environment" collected during outreach for the city's 5-Year Strategic Plan in March 2022 was considered and incorporated as part of the Climate Action Plan Update. Public engagement for the 5-Year Strategic Plan included:

- Virtual workshop held on February 1, 2022, where the public could share ideas, ask questions and participate in breakout rooms with city staff about specific topics, including sustainability.
- Online ideas wall where people could share ideas, comment on ideas already added and see what others had to say.
- Online survey with three open-ended questions based on the themes from the Community Vision².

¹ For more information about the 5-year strategic plan, see: <https://www.carlsbadca.gov/city-hall/city-council/strategic-plan>

² For more information about the Carlsbad Community Vision, see: <https://www.carlsbadca.gov/residents/community-vision>

Interim Outreach Activities

The city conducted additional outreach for the CAP Update between Phase I and Phase II of engagement. This interim outreach was conducted between October 2022 and October 2023, during which city staff attended city- and stakeholder-sponsored events in various capacities to raise awareness and share information about getting involved in the CAP Update development process. A full list of events and the capacity of city staff attendance is provided in Appendix F. Events include attending city-sponsored Fix-it Clinics, tabling at the Carlsbad Village Street Faire, and presentations to stakeholder groups such as the Batiquitos Lagoon Foundation.

Phase II Public Engagement Activities and Input Received

Public input from Phase I was used to develop proposed GHG reduction measures and actions, while Phase II engagement was focused on gaining feedback on the proposed GHG reduction measures and actions. On October 18, 2023, the city shared an “Overview of proposed actions to reduce greenhouse gas emissions in Carlsbad” to identify proposed actions to reduce greenhouse gas emissions and describe the projected GHG reductions, measures of success, data to be used, related benefits; timeframe; and equity considerations for each proposed action. The overview of proposed actions was published in English and Spanish (included in Appendix G), which was used to provide stakeholders with the opportunity to provide informed feedback on what was being proposed for the Climate Action Plan Update. This document was shared through various methods throughout Phase II engagement, including the city’s website, weekly city manager email, stakeholder email list, community events and tabling at city facilities. The city conducted the following public engagement between October 2023 and November 2023 as part of Phase II of the Climate Action Plan Update engagement.

Targeted Outreach: The city contacted stakeholder groups and organizations to obtain feedback on the proposed GHG reduction measures and actions. Appendix H includes a list of all 99 stakeholders contacted by the city and invited to participate in Phase II through meetings and an online survey.

Stakeholders were also contacted through email on October 18, 2023, using the city’s Comms Sustainability list, which included 294 recipients. This email communication included many of the 99 stakeholders directly contacted during Phase II. The full list of stakeholders reached through the Comms Sustainability list is not provided for reference here as many are captured in Appendix H.

Stakeholder and Public Meetings: The city held six stakeholder meetings with organizations, with approximately 30 to 40 individual stakeholders, between October 25, 2023 and November 21, 2023³. The stakeholder meetings were attended at the request of stakeholders and focused on reviewing the proposed GHG reduction measures in detail, answering any questions about the

³ An additional meeting was held outside of the Phase II engagement period. City staff met virtually with representatives of the Rincon Band of Luiseño Indians on Jan. 29, 2024.

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proposed measures and obtaining additional feedback. Appendix I includes agendas and notes from these meetings.

City Council and DEI Committee: The city presented the potential GHG reduction measures for the Climate Action Plan Update to both City Council and the city's Diversity, Equity, and Inclusion Committees on November 7, 2023, and November 15, 2023, respectively. The presentations were intended to provide stakeholders with detail on the proposed GHG reduction measures and solicit feedback. These presentations were open to public comment, with 6 public comment letters received for the City Council meeting and additional public comments at the meeting itself. Notes on the public comments received at the City Council meeting and the public comment letters received are provided, along with the staff report for the meeting, in Appendix J.

Online Survey: An online survey was also available to stakeholders and the public to complete, which was intended to obtain additional feedback from stakeholders reached during Phase I and to engage new stakeholders in Phase II. The survey questions provided an opportunity for participants to indicate which of the proposed GHG reduction measures and actions they supported and provide feedback on why. The survey was also shared with the public on the city's website and advertised on social media and in the city manager's weekly email. The survey questions and a summary of responses are included in Appendix K. The survey was launched on October 18, 2023, and closed on November 17, 2023. A total of 86 survey responses were received.

Attending Community Events: City staff attended events throughout the city and region in various capacities to reach additional stakeholders as part of Phase II, including tabling at various locations and events. City staff tabled at six events to promote awareness of the Climate Action Plan Update and encourage engagement. These events allowed direct engagement with the public and provided opportunities for one-on-one discussions about the Climate Action Plan Update. A list of the events attended by city staff is provided in Appendix L.

"Pop-Up" Tabling: In addition to tabling at larger community events, city staff more informally tabled at various city facilities and parks. This "pop-up" style was done 10 times across all districts and at different dates and times throughout the week. Like the larger community events described above, this "pop-up" tabling allowed for direct engagement with the public and conversations about the Climate Action Plan Update. A list of the dates and locations of the "pop-up" tabling is provided in Appendix L.

Media and Marketing: The city promoted engagement opportunities for the Climate Action Plan Update through various media outlets to reach a broader range of stakeholders. These efforts included social media posts through the City of Carlsbad's accounts and the San Diego Regional Climate Collaborative's accounts in October 2023. Two emails were sent through the City Manager weekly email blast to promote participation in the Climate Action Plan process, one in October 2023 and another in November 2023. An article was published in the San Diego Union-Tribune on November 9, 2023, highlighting information about the Climate Action Plan Update and the presentation to the City Council. Additionally, the San Diego Regional Climate Collaborative

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provided a direct link to the Phase II survey in their monthly newsletter for November 2023. The media and marketing social media posts and articles are compiled in Appendix M.

Additional Comments: The city received other comments via email, which are included in Appendix N. Many of these email comments were sent in direct response to a presentation at the City Council meeting on November 7, 2023, in which an update on the Climate Action Plan Update process was provided to the City Council.

Themes from Phase I Public Engagement

The themes presented below are a synthesis of comments shared during public engagement activities conducted as part of the first phase of the Climate Action Plan Update and are intended to highlight the range of ideas that were shared. The themes do not necessarily reflect all the ideas and perspectives shared. However, all verbatim responses and meeting summaries are included in the appendices to provide a comprehensive record of all the input gathered.

Theme 1: Take Bold Actions. Overall, responses emphasized the importance of prioritizing actions and the need to act now to minimize contributions to global climate change and taking action to protect against potential impacts. The Climate Action Plan Update should prioritize:

- Setting aggressive goals (i.e., zero carbon);
- Establishing ambitious targets (i.e., near-term emissions reduction); and,
- Focusing on implementation, monitoring and reporting.

Theme 2: Consider a Range of Actions. All actions to help reduce GHG emissions and address climate impacts should be considered. However, taking action to reduce GHG emissions from transportation and energy should be prioritized since they are the largest sources of emissions. The range of actions is organized by topic area below.

Mobility

- Creating mobility choices (e.g., public transportation, biking, walking)
- Promoting the adoption of electric vehicle (EV) adoption and help provide infrastructure

Energy

- Advance renewable energy sources
- Promote building electrification to reduce reliance on fossil fuels

Water

- Increase sustainable water sources, including treated wastewater
- Promote efforts to reduce the demand for water

Solid Waste

- Make it easy for homes and businesses to dispose of all different types of solid waste

Climate Change Impacts

- Wildfire, extreme heat and drought are the climate change impacts of greatest concern
- Sea level rise was also an important concern

Theme 3: Promote Equity and Public Awareness. The Climate Action Plan Update can help improve quality of life, and equity considerations should be integrated throughout the document. In addition, connecting with individuals can help drive climate action and support implementation.

- Integrate equity throughout the Climate Action Plan Update
- Help meet the everyday needs of people (i.e., access to housing and jobs)

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- Public outreach, education and awareness are essential to achieving success

Theme 1: Take Bold Actions

Overall, responses emphasized the importance of prioritizing actions and the need to act now to minimize contributions to global climate change and taking action to protect against potential impacts. The Climate Action Plan Update should prioritize:

- Setting aggressive goals (i.e., zero carbon);
- Establishing ambitious targets (i.e., near-term emissions reduction); and,
- Strengthening implementation, monitoring and reporting.

Set more aggressive goals and ambitious targets for reducing greenhouse gas emissions:

- Climate action is urgent because we are in a climate emergency
- Reducing all types of GHGs (vehicle miles traveled, industrial, carbon dioxide, methane, other)
- Targets are too low and time too short in every category (e.g., should be 100% zero carbon by 2035)
- Set targets higher so there is a margin of safety to ensure the city still reaches GHG reduction targets
- Targets should include 5-year benchmarks for monitoring each measure
- Prioritize measures with co-benefits
- Responsibility, leadership and being proactive are important parts of climate action

Strengthen implementation, support ongoing monitoring and include regular reporting to provide transparency and opportunities for adaptive management.

- Reporting should occur more frequently (every six months) to allow for appropriate adjustments to the plan
- Reporting should include meaningful and measurable data
- Implementation cannot be an afterthought; needs to be central to developing the Climate Action Plan
- GHG inventories lag, so need to account for data delays
- Describe funding needed to implement Climate Action Plan
- Technology and individual action should not be the only means to achieving climate action
- Climate Action Plan should be integrated with other documents (Habitat Management Plan, sea-level rise planning, Intergovernmental Panel on Climate Change report)
- The city should use different tools within its power to take climate action (laws, policies, leadership, prioritization, incentives, investment, infrastructure, requirements on development)

Theme 2: Consider a Range of Actions

All actions to help reduce GHG emissions and address climate impacts should be considered. However, taking action to reduce GHG emissions from transportation and energy should be

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prioritized since those are the largest sources of emissions. The range of actions is organized by topic area below.

Transportation

Providing mobility choices instead of just driving.

- Include measures to increase biking and transit use
- Stronger mode shift goals (biking, walking and transit) to get to 50% of alternative modes, but may not be realistic
- Safe and easy ways to get around without a car
- Think about trail network as part of the transportation system
- Encourage one day/month of no driving
- Bicycle and Pedestrian Master Plan
- Complete Streets Policy

Biking

- The current bike lane design is a hazard
- Create separated/safe bike lanes to meet the increase in electric e-bike usage (more Class IV bike lanes)
- Create corridors that reduce lanes for cars and increase lanes dedicated to pedestrians and bicyclists. Example: El Camino Real could provide a separate path with full barriers only for bikes, e-bikes, golf carts
- Promote biking to work and school
- Bike parking, lockers, showers
- Make using bikes with public transit easier

Public Transportation

- Improved rail and bus transit
- Prioritize the utilization and popularity of public transportation
- Micromobility and transit, especially for employers
- Solar powered/electric buses
- Acquire modern, efficient public transportation locally (at least a rapid and regular connection with the City of San Diego and San Diego Airport)
- Carlsbad should demand the completion of the bullet train project between San Diego and Northern California

Promoting the adoption of electric vehicles (EVs) and help provide charging infrastructure.

- Charging infrastructure is needed and is important to increasing adoption of EVs
 - EV chargers everywhere, including existing buildings, COASTER Station parking lots and all city parking lots
 - Provide incentives for businesses and existing buildings to install EV chargers
 - Need charging stations to support tourism
 - Use solar carports

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- More affordable/free EV chargers. Charging costs at some locations are inflated or charge by time rather than the electricity used
- All city vehicles (including trucks) should be EVs
- Prioritize clean electric and hydrogen fuel cell transportation
- Electric trash trucks

Other Ideas for Clean Transportation

- Establish regional mitigation measures to reduce vehicle miles traveled so projects can pay into larger project pools
- Build upon the city's Transportation Demand Management (TDM) Plan/TDM Ordinance, Sustainable Mobility Plan and Charging Station Siting Plan (See Theme 4 for additional comment addressing equity in relation to the EV Charging Station Siting Plan)
 - Encourage businesses to use electric shuttles from transit centers and reward employees who do so
- Transit oriented development: living near transit makes it easy to use
- More efforts at traffic calming – fix the traffic light timing, speed bumps, bulb-outs, enhanced crosswalks, create traffic circles – to lower traffic speeds
- Smart traffic control systems
- Roundabouts can help reduce emissions from idling and acceleration from stop signs.
- Reduce vehicle idling through infrastructure and enforcement
- School buses can help address emissions associated with opening and closing of schools from driving and idling
- Carlsbad/North County needs a hydrogen fueling station

Energy

Renewable Energy Sources

- Achieve 100% renewable energy target through the Clean Energy Alliance
- Phasing out natural gas and focusing on all-electric with renewable sources
- Promote photovoltaic solar on homes, businesses, all city buildings and as cover for parks, parking, etc., to create shade and generate energy
- Provide subsidies/incentives for solar photovoltaics
- Upgrade city facilities to Clean Energy Alliance's Green Impact with 100% renewable energy
- Conservation efforts/home energy retrofits
- City-owned solar generation
- Local renewable energy grid with renewable energy sources
- City-owned Green Hydrogen Electrolyzer Hub
- Energy storage solutions with rebates for homeowners

Building Electrification

- Require building electrification for all new construction (no gas hookups)
- Retrofit homes with green hydrogen fuel cell production, water and refrigerant heat pumps, solar storage and induction stoves

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- Convert municipal buildings to electric
- Retrofit existing buildings to electric
- Retrofitting should be done equitably
- Set timelines if not a specific measure
- Adopt an all-electric new construction reach code now; don't wait for the Climate Action Plan Update
- At least one comment was opposed to phasing out natural gas

Water

Increase sustainable water sources, including treated wastewater and efforts to reduce demand.

- Use recycled water as a potable water source (use Encina)
- Desalination is way too energy intensive
- Increase water efficiency
- Get rid of grass lawns
- Promote xeriscaping and native landscaping
- Continue to invest in new technologies for water and wastewater treatment
- Carlsbad has one of the most efficient wastewater facilities and purple pipe program
- Work on removing nanoplastics and pharmaceutical toxins
- More stormwater pollution awareness and reducing vehicle miles traveled will help decrease car-related stormwater pollution
- Develop a water usage report card for homeowners and businesses

Solid Waste

Make it easy for homes and businesses to dispose of solid waste.

- Include a target of 90% waste diversion by 2035
- Promote the goal of zero waste and expand composting, edible food recovery, green waste composting and recycling programs
- More events to collect household hazardous waste like paint cans and electronics
- Lead by example with organics recycling
- Many businesses still only have one trash can
- Develop and provide a city organic composting center
- Banning plastics by 2030 and incentives to help do so
- Education about recycling
- Major fines for throwing away hazardous waste
- Fee structure should be based on how much you dispose of
- State mandates, including solid waste requirements, can have a negative impact on businesses.

Other Actions

Consider the full range of actions to help reduce GHG emissions and address climate impacts.

- Preserve natural unbuilt land/open space

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- Reducing the urban heat island effect on roadways and parking lots should be a high priority
- Include a tree planning measure / urban forestry plan
 - Include a specific canopy target between 30-35%
- Use green streets/stormwater capture
- Consider the role of land use
- Create walkable, transit-friendly communities
- Increase affordable housing to live near work/jobs
- Increase access to park within a half-mile of all residences
- Work with the County to address Airport pollution, especially in the community that is most affected
- Promote the Carlsbad Green Business Program as part of the Climate Action Plan Update
- Integrate carbon sequestration (restoring native habitat)
- Account for off-road emissions, such as leaf blowers, in the GHG inventory

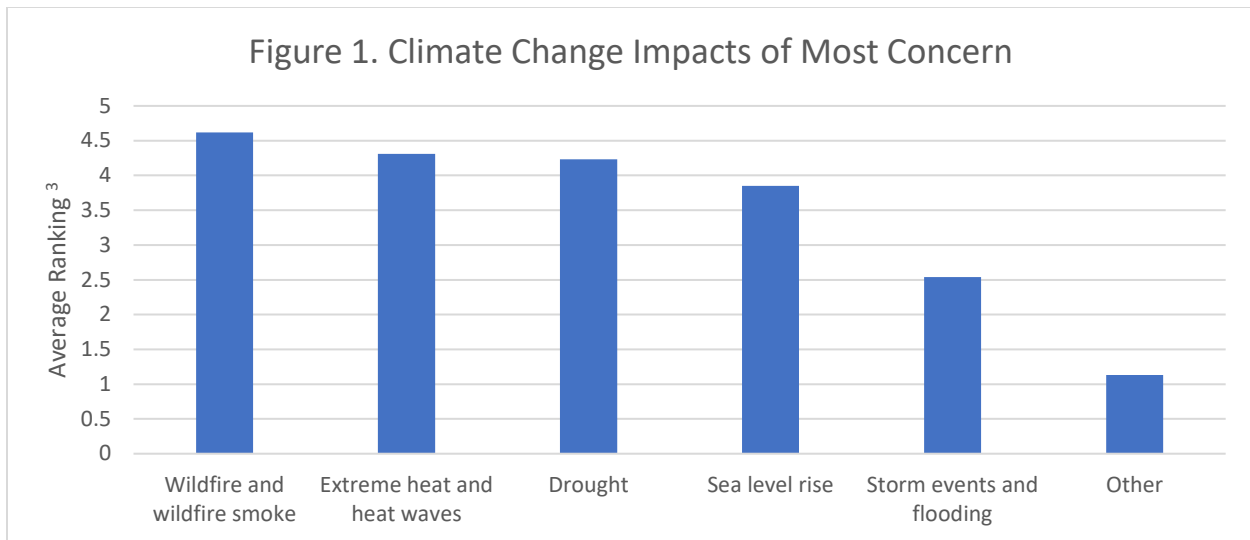
Climate Change Impacts

Wildfire and wildfire smoke, extreme heat and heat waves, and drought were consistently ranked as the climate change impacts of greatest concern. Sea level rise was identified as an important concern for some stakeholders but was not the most important for many others. Storm events and flooding were of the least concern based on the responses received.

Figure 1 shows the responses to the online survey by average score of each climate change impact based on the ranking of climate change impacts in each survey response⁴. Other potential impacts of climate change that were of concern included food supply, biodiversity and habitat loss. In addition, some comments acknowledged that the global nature of climate change impacts is different than the local impacts.

⁴ Weights are applied in reverse. In other words, the respondent's most preferred choice (which they rank as #1) has the largest weight, and their least preferred choice (which they rank in the last position) has a weight of 1. In this case, the #1 choice has a weight of 6, because it was the first out of 6 options, and the #6 choice has a weight of 1. Average ranking is calculated as follows, where: w = weight of ranked position, x = response count for answer choice and:

$$\frac{1w1 + x2w2 + x3w3 \dots xnwn}{\text{Total response count}}$$



Theme 3: Promote Equity and Public Awareness

The Climate Action Plan Update can help improve quality of life, and equity should be integrated throughout the document. In addition, connecting with more people can help drive climate action by individuals.

Integrate equity throughout the Climate Action Plan Update.

- Work with underrepresented communities
- Help meet the everyday needs of people
- Link housing and jobs with sustainable transportation options
- Low-income communities are most likely to be impacted by climate change
- Protect vulnerable communities and adapt to the impacts of climate change
- The City of Oakland's Climate Action Plan has equity in the title
- Every section in the Climate Action Plan should have an equity component
- Create a Climate Equity Index (like the Cities of San Diego and Chula Vista); if not, use CalEnviroScreen
- Consider subsidies for low-income households to increase solar, e-bikes & hybrid vehicles
- Increase access to microgrids in lower income areas
- Assess the impacts of Climate Action Plan measures by neighborhood
- Improved air quality benefits everyone
- Prioritize underrepresented communities in the EV siting plan
- Relieve multi-family housing projects with at least 20 percent affordable units from Climate Action Plan requirements
- Job transition programs for workers in the fossil fuel industry, we must also create a pathway for jobs in environmental justice communities
- Carlsbad is generally a very wealthy place, so planning regionally so that cities like Oceanside, Vista and San Marcos can learn from our steps in the right direction
- The city should have an inclusionary housing ordinance (with a 10 to 15 percent requirement)

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- More equitable land use policies will be the most impactful
- Concerns about displacement as buildings are upgraded to meet Climate Action Plan goals
- Make incentives easy and free of barriers so everyone can take advantage
- Provide information in Spanish to make programs accessible to all

Public outreach, education and increased awareness are essential to achieving success.

- Ask citizens within the community how the Climate Action Plan Update would impact their daily lives
- More education and community engagement
- Educate on what an individual can do and reinforce with kudos
- We are the problem and need to be part of the solution
- More specific engagement of employers
- Create and then hire a climate communication and engagement position to ensure better community engagement
- Communicate through multiple methods
- Create a Sustainability Commission that reports to City Council
- Create a Spare the Air Program (like Bay Area Air Quality Management District's) for days when air quality is expected to be unhealthy to educate residents about air pollution and encourage actions to improve air quality

The Climate Action Plan Update provides an opportunity to modernize the document to connect with more people.

- The Climate Action Plan is lengthy and not approachable for laypeople
- Improve readability, remove jargon and make it more interesting, compel people to act
- Provide a one or two-page snapshot of the Climate Action Plan
- Educational links help make it more readable
- Emphasize the need for urgent action
- Get rid of soft verbs within measures like "promote" and "encourage"
- Provide more educational information on how individuals can help with their own actions

Themes from Phase II Public Engagement

Many of the themes and sub-themes that emerged from the second phase of public engagement mirrored those reflected in the first phase, emphasizing some of the most important priorities for the community. These themes and sub-themes are presented in the list below, but for the sake of brevity and to avoid redundancy, many of the more specific details are not repeated here (see Themes from Phase I Public Engagement for more context):

- Theme 1: Take Bold Actions
 - Setting aggressive goals (i.e., zero carbon)
 - Establishing ambitious targets (i.e., near-term emissions reduction)
 - Strengthening implementation, monitoring and reporting
- Theme 2: Consider a Range of Actions

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- Providing mobility choices instead of just driving
- Promoting the adoption of EVs and help provide charging infrastructure
- Renewable energy sources
- Building electrification
- Theme 3: Promote Equity and Public Awareness
 - Integrate equity throughout the Climate Action Plan Update
 - Public outreach, education and awareness are essential to achieving success

In addition to these themes and sub-themes that were reflective of those established in Phase I, the additional list below identifies some of the more specific, notable ideas that were prominent across Phase II. It should be noted that this list does not nearly reflect the entirety of input received but includes ideas that were notably repeated in several instances. It should also be noted that though certain ideas had broad, general support, there were some instances where concerns were expressed too (e.g., electric vehicles and building electrification).

- Electrification/decarbonization of new and existing buildings
- Increased focus on transportation demand management (TDM) strategies
- Sustainable transportation and land use planning (e.g., traffic calming measures, mixed-use development, creating jobs where people live)
- Electric vehicles and charging infrastructure
- Public support/education is needed (e.g., on climate/sustainability topics) for successful implementation
- Tree planting for a variety of benefits; green/natural infrastructure
- More aggressive/ambitious GHG reduction goals/targets
- Establishing clear, interim benchmarks for implementation
- Strong emphasis on municipal operations (i.e., the city should “walk the walk”)
- Focused efforts on priority actions with the highest GHG reduction potential (e.g., buildings, transportation)

The themes, sub-themes and ideas presented above are a synthesis of comments shared during Phase II of public engagement and are intended to provide a snapshot of the type of feedback received. They do not necessarily reflect all the ideas and perspectives shared. However, all verbatim responses and meeting summaries are included in the appendices to provide a comprehensive record of all the input gathered.

How Input was Incorporated into Climate Action Plan Update

Phase I input was used to develop the list of potential measures to reduce greenhouse gas emissions in the Climate Action Plan Update. This was done by focusing on the three themes that emerged and input on specific measures. Other considerations when developing the potential measures included:

- Leveraging existing city efforts to defray additional costs and staff time as much as possible

Summary of Public Engagement for Climate Action Plan Update

- Including successful and applicable measures from the previous Climate Action Plan, as well as greenhouse gas emissions reduction strategies included in state guidance documents
- Incorporating input from city staff across all departments so the measures can be implemented; and
- Creating reportable measures so the Climate Action Plan Update process is transparent.

Phase II input reiterated and amplified the themes identified in Phase I. Several proposed measures reflected these themes and individual comments made through the survey and at public meetings. However, some input focused on how to improve the Climate Action Plan Update. The table below summarizes this input and how these comments were addressed:

Phase II public input received	How input was addressed
Establish clear, interim benchmarks between the 2035 and 2045 target years for transparency and accountability	Benchmarks were added into the proposed measures
Add in more measures so the total greenhouse gas emissions reductions are higher than the 2045 reduction target	Three additional measures were added to the Climate Action Plan Update – two measures proposing updates to the city’s reach code and one measure to install solar PV in city-owned parking lots.
Add a measure to install solar PV in city-owned parking lots	This was included as a supporting measure during Phase II. Staff moved this from a supporting measure and made it a standalone measure; however, staff were not able to calculate greenhouse gas emissions for this measure. This measure would require an analysis of how many parking lots would be suitable for solar PV and how large these systems could be; once this analysis is complete, a reduction calculation could be added to the Climate Action Plan Update.
Add a measure banning artificial turf within the city	Staff had analyzed this as a potential measure after reviewing Phase I public input. It was deemed infeasible then since there were no greenhouse gas reductions associated with the action. After Phase II concluded, staff re-analyzed this measure. Not only did it lack emissions reductions, but the cost to replace artificial turf was extremely high. Because of this combination, staff did not include it in the Climate Action Plan Update.

Conclusion

The city made a concerted effort to engage the community throughout the Climate Action Plan Update development process between January 2022 and November 2023. The city utilized numerous strategies to reach many different types of stakeholders, and as such was able to solicit input and comments from various perspectives. Input and comments received during public engagement for Phase I of engagement were reviewed and considered by the city and informed the tone and approach for preparation of the Climate Action Plan Update. The feedback on GHG reduction measures and key community priorities received in Phase I and II were incorporated, as appropriate, into the GHG reduction measures to be included in the Public Draft Climate Action Plan Update.

Appendix A – Stakeholder Contact List

A list of all stakeholders that were contacted by the city and invited to participate in stakeholder interviews and complete the online survey is included in the subsequent pages.

Name	Organization	Stakeholder Group	Date(s) E-Mailed	Response?	Follow-Up Meeting?	Date + Type of Follow-Up Meeting
Judy Frankel	Bike Walk Carlsbad	Bike/Pedestrian	3/7/2022; 3/9/2022	No	N/A	N/A
Cindy Cremona	Bike Walk Carlsbad	Bike/Pedestrian	3/9/2022	No	N/A	N/A
Nicole Burgess	Bike Walk Carlsbad	Bike/Pedestrian	3/9/2022	No	N/A	N/A
Michael von Neumann	Bike Walk Carlsbad	Bike/Pedestrian	3/9/2022	Yes	No; declined	N/A
Michell Thitathan	Bike Walk Carlsbad	Bike/Pedestrian	3/9/2022	No	N/A	N/A
Colin Parent	Circulate San Diego	Bike/Pedestrian	3/7/2022; 3/14/2022	Yes	Forwarded to below	N/A
Dara Braitman	Circulate San Diego	Bike/Pedestrian	3/14/2022; 5/5/2022	Yes	No; providing written comments pending review	N/A
Andy Hanshaw	San Diego County Bicycle Coalition	Bike/Pedestrian	3/3/2022	No	Yes	3/9/2022; Zoom
Will Rhatigan	San Diego County Bicycle Coalition	Bike/Pedestrian	3/3/2022	Yes	Yes	3/9/2022; Zoom
Norval Lyon	North County Cycle Club	Bike/Pedestrian	3/7/2022	Yes	Forwarded to below	N/A
Ken Chin-Purcell	North County Cycle Club	Bike/Pedestrian	3/9/2022; 5/5/2022	Yes	Pending CAP review	N/A
NOT IN MASTER SHEET	Bike the Coast San Diego	Bike/Pedestrian	3/7/2022; 3/14/2022	No	N/A	N/A
NOT IN MASTER SHEET	Celo Pacific Bicycle Racing Team	Bike/Pedestrian	3/7/2022	UNDELIVERED	N/A	N/A
Christine Davis	Carlsbad Village Association	Business Association	3/3/2022; 3/11/2022; 5/5/2022	Yes	Pending CAP review	N/A
Tommy Thompson	North County SD Association of Realtors	Business Association	3/3/2022; 3/11/2022	No	N/A	N/A
Debra Rosen	North San Diego Business Chamber	Business Association	3/3/2022; 3/11/2022	No	N/A	N/A
W. Erik Bruvold	San Diego North Economic Developmet Council	Business Association	3/3/2022; 3/11/2022; 5/5/2022	Yes	Pending CAP review	N/A
Mark Cafferty	San Diego Regional Economic Development Corporation	Business Association	3/3/2022; 3/11/2022	No	N/A	N/A
Brett Schanzenbach	Carlsbad Chamber of Commerce	Business Association	3/3/2022; 3/11/2022	Yes	Yes	3/24/2022; Zoom
Deborah Mossa	Batiquitos Lagoon Foundation	Environmental	3/7/2022; 3/14/2022	No	N/A	N/A
Don Rideout	Carlsbad Watershed Network	Environmental	3/7/2022; 3/14/202	UNDELIVERED	N/A	N/A
Diane Nygaard	Preserve Calavera	Environmental	3/3/2022	Yes	Yes	3/28/2022; Zoom
Natalie Shapiro	Buena Vista Audubon Society	Environmental	3/7/2022; 3/14/2022	No	No; other BVAS member attended a meeting	N/A
Ron Wooton	Buena Vista Lagoon Society	Environmental	3/7/2022; 3/14/202	UNDELIVERED	N/A	N/A
Lisa Cannon-Rodman	Agua Hedionda Lagoon Foundation	Environmental	3/7/2022; 3/14/2022	Yes	No; will complete survey	N/A
Travis Kemnitz	SD Audobon Society	Environmental	3/9/2022; 3/17/2022	Yes	No; will complete survey	N/A

Name	Organization	Stakeholder Group	Date(s) E-Mailed	Response?	Follow-Up Meeting?	Date + Type of Follow-Up Meeting
Lee	Carlsbad Community Gardens Collaborative	Environmental	3/9/2022; 3/17/2022	No	N/A	N/A
Mitch Silverstein	Surfrider	Environmental	3/3/2022; 5/5/2022	Yes	Pending CAP review	N/A
Matt O'Malley	SD Coastkeeper	Environmental	3/9/2022; 3/17/2022	No	N/A	N/A
Steve Morris	I Love a Clean San Diego	Environmental	3/9/2022; 5/4/2022	Yes	No; will complete survey	N/A
Kathleen	Friends of Cardiff & Carlsbad State Beaches	Environmental	3/7/2022	UNDELIVERED	N/A	N/A
Dee Dee Flynn	Friends of Cardiff & Carlsbad State Beaches	Environmental	3/9/2022	No	N/A	N/A
John Hamilton	Friends of Cardiff & Carlsbad State Beaches	Environmental	3/9/2022	No	N/A	N/A
Stephen Flynn	Friends of Cardiff & Carlsbad State Beaches	Environmental	3/9/2022	No	No; completed survey	N/A
Karl Adlinger	Sierra Club	Environmental	3/2/2022	Yes	Yes	3/10/2022; Zoom
Madison Coleman	Climate Action Campaign	Environmental	3/2/2022	Yes	Yes	3/9/2022; Zoom
Masada Disenhouse	SD 350	Environmental	3/9/2022; 3/17/2022	Yes	Forwarded to below	N/A
Anne Sheridan	SD 350	Environmental	3/17/2022	Yes	Yes	3/23/2022; Zoom
Livia Borak	Coast Law Group	Environmental	3/9/2022; 3/17/2022	No	N/A	N/A
Marco Gonzalez	Coastal Environmental Rights Foundation	Environmental	3/9/2022; 3/17/2022	No	N/A	N/A
Howard Krausz	North County Advocates	Environmental	3/28/2022	Yes	Yes (Diane Nygaard invited)	3/28/2022; Zoom
Jay Klopfenstein	Carlsbad Community Gardens Collaborative	Environmental	4/13/2021	Completed survey	N/A	N/A
Ellen Bartlett	Preserve Calavera	Environmental	N/A	N/A	Yes: Diane Nygaard invited	3/28/2022; Zoom
Joan Herskowitz	Buena Vista Audubon Society	Environmental	N/A	N/A	Yes; Diane Nygaard Invited	3/28/2022; Zoom
Paige DeCino	Sierra Club	Environmental	3/2/2022	Yes	Yes	3/10/2022; Zoom
Simon Freedman	Sierra Club	Environmental	3/2/2022	Yes	Yes	3/10/2022; Zoom
Mike McMahon	Sierra Club	Environmental	3/2/2022	Yes	Yes	3/10/2022; Zoom
Sarah	Stay Cool 4 Grandkids	Environmental / Underrepresented	3/9/2022	Yes	No; declined, but will complete survey	N/A

Name	Organization	Stakeholder Group	Date(s) E-Mailed	Response?	Follow-Up Meeting?	Date + Type of Follow-Up Meeting
Suzanne Hume	Clean Earth 4 Kids	Environmental / Underrepresented	4/7/2022; 4/14/2022	No	N/A	N/A
Matthew Adams	Building Industry Association San Diego	Industry Association	3/3/2022; 3/11/2022	No	N/A	N/A
Kelly Batten	Building Industry Association San Diego	Industry Association	5/5/2022; 5/12/2022	Yes	Yes	5/16/2022; Zoom
Nate Fairman	IBEW 465	Industry Association	5/5/2022; 5/31/2022	Yes	No; will complete survey	N/A
Craig Bendetto	SD Building Owners & Managers; NAIOP SD	Industry Association	5/5/2022	Yes	Yes	5/16/2022; phone call - Craig setting up presentation
Genevieve Black	Woman's Club of Carlsbad	Underrepresented	4/13/2022; 5/11/2022	No	N/A	N/A
Linda Kurokawa	Mira Costa College Community Education and Workforce Development	Underrepresented	4/13/2022; 5/5/2022	No	N/A	N/A
Kristen Huyck	Mira Costa College Community Education and Workforce Development	Underrepresented	4/13/2022; 5/5/2022	No	N/A	N/A
NOT IN MASTER SHEET	North San Diego County NAACP	Underrepresented	4/13/2022; 5/5/2022	No	N/A	N/A
Yusef Miller	North County Equity and Justice Coalition	Underrepresented	4/13/2022; 5/5/2022; 5/12/2022 (call)	Yes - also represents Clean Earth 4 Kids and North SD County NAACP	No; declined, but will complete survey	N/A
Max	North County LGBTQ Resource Center	Underrepresented	4/13/2022; 5/5/2022	Yes	No; declined	N/A
Marylynn McCorkle	Alliance for Regional Solutions	Underrepresented	4/13/2022; 5/5/2022; 5/11/2022 (web form)	No	N/A	N/A
Craig Jones	Alliance for Regional Solutions	Underrepresented	5/18/2022; 5/26/2022	Yes	No; completed survey	N/A
Carmen Mojado	Saving Sacred Sites / San Luis Rey Band of Mission Indians	Underrepresented	4/13/2022; 5/5/2022	No	N/A	N/A
Valerie A. Gómez	Mexican-American National Association	Underrepresented	4/13/2022; 5/5/2022	No	N/A	N/A
Aly Vredenburg (president)	Carlsbad Equality Coalition	Underrepresented	4/13/2022; 5/5/2022; 5/12/2022 (web form)	Yes	No; will complete survey	N/A
Graciela Gutierrez	North County Lifeline	Underrepresented	4/13/2022; 5/5/2022	No	N/A	N/A
Cheryl Madrigal	Rincon Band of Luiseño Indians	Underrepresented	4/13/2022; 5/5/2022	Yes; submitted letter		

Name	Organization	Stakeholder Group	Date(s) E-Mailed	Response?	Follow-Up Meeting?	Date + Type of Follow-Up Meeting
Tina Jimenez	Torres Martinez Desert Cahuuilla Indians	Underrepresented	4/13/2022; 5/5/2022	No	N/A	N/A
Jesse Morales, Acting Chairman	Mesa Grande Band of Diegueno Mission Indians	Underrepresented	4/13/2022; 5/5/2022	No	N/A	N/A
Norma M. Contreras	La Jolla Band of Luiseño Indians	Underrepresented	4/13/2022; 5/5/2022	No	N/A	N/A
KC Krause	N/A	N/A	N/A	Completed survey	N/A	N/A
Daniel McLoughlin	N/A	N/A	N/A	Completed survey	N/A	N/A
Bruce Olson	N/A	N/A	N/A	Completed survey	N/A	N/A
Katrina Olson	N/A	N/A	N/A	Completed survey	N/A	N/A
Vanessa Marshall	Interfaith Community Services	Underrepresented	4/13/2022; 5/5/2022	No	N/A	N/A
Mary Ferro	Interfaith Community Services	Underrepresented	5/11/2022; 5/18/2022; web form	No	N/A	N/A
Sierra Lambert, Zoe Goldstein	Carlsbad Cleanup Crew (student group)	Underrepresented / Environmental	4/7/2022; 4/14/2022; 5/5/2022	Yes	No; will complete survey	N/A

Appendix B – Stakeholder Interviews

The table below documents the stakeholder interviews that were conducted as part of the CAP. Detailed notes are included in subsequent pages.

Table A-1. Stakeholder Interviews Conducted for the CAP Update

Date	Stakeholder Participants
March 9, 2022	Madison Coleman, Climate Action Campaign
March 9, 2022	Will Rhatigan, San Diego County Bicycle Coalition
March 10, 2022	Mike McMahon, Sierra Club Paige DeCino, Sierra Club Karl Aldinger, Sierra Club Simon Freedman, Sierra Club
March 23, 2022	Anne Sheridan, SanDiego350
March 24, 2022	Bret Schanzenbach, Carlsbad Chamber of Commerce
March 28, 2022	Diane Nygaard, Preserve Calavera Howard Krausz, North County Advocates Joan Herskowitz, Buena Vista Audubon Society Ellen Bartlett, Preserve Calavera
May 16, 2022	Kelly Batten, BIA SD

Carlsbad CAP Update Outreach Climate Action Campaign

Wednesday, March 9, 9 to 10 a.m.
Zoom (Virtual)

Attendees

Katie Hentrich, City of Carlsbad

Jamie Wood, City of Carlsbad

Poonam Boparai, Ascent Environmental

Madison Coleman, Climate Action Campaign

Serena Schlosser, City of Carlsbad

Meeting Goal: Initial stakeholder outreach for CAP Update.

1. What does climate action mean to you?

Center equity; zero carbon future; holistic; reaching out to CoCs in Carlsbad; people just want clean air and streets to bike and walk to their jobs and community benefits/grocery stores; don't want to be stuck in heat islands

2. What climate change impacts are you most concerned about?

Sea level rise; extreme heat and heat waves; wildfire and wildfire smoke; storm events and flooding; drought; other

Wildfire; heat; TPAs

3. What about the adopted Climate Action Plan is important to keep in the Climate Action Plan Update? Why?

100% renewable energy with CEA; charging station siting plan (but can add to language to prioritize adding charging to CoCs); TDM plan; Sustainable Mobility Plan

4. What about the adopted Climate Action Plan would you like to see changed in the Climate Action Plan Update? Why?

adding 5 year benchmarks for monitoring for each reduction measure; equity throughout each measure (Oakland's CAP has equity in the title); just transition plan for workers for zero carbon shift; stronger mode shift goals (biking, walking, and transit) to cumulate to 50% but not realistic for a lot of jurisdictions

5. What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean transportation? Why?

mode shift goals (see above); 100% municipal fleet to ZEVs; bicycle/pedestrian master plan;

Complete Streets policy

6. What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean energy? Why?

already committed to CEA and 100% renewable energy; ordinance for all new construction to be all electric; equitable retrofit measures; all electric municipal buildings by 2035 to align with State goals

7. What is the top action the city should prioritize in the Climate Action Plan Update to further promote water and wastewater? Why?

ordinances for water conservation for all buildings; setting a target is good but an ordinance is more significant; reducing water/wastewater/recycled water supply emissions already exists but ordinance would strengthen

8. What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean solid waste? Why?

specific target of 90% waste diversion by 2035; eliminate or significantly reduce single use plastics (e.g., Vista); divert organic and food waste through best use strategies; edible food recovery

9. What can the city do to make sure the benefits of climate action are felt equally in Carlsbad?

every section in the CAP should have an equity component; create a Climate Equity Index (like SD and CV); if not, using CalEnviroScreen as much as possible when developing policies and plans; prioritizing smart growth and affordable housing near job centers and transit; inclusionary housing ordinance (SD ordinance is 4% currently – want between 10-15% for all new development over a certain amount of units); outreach to specific stakeholders consistently

10. What other actions could the city prioritize to reduce greenhouse gas emissions in Carlsbad?

green infrastructure (tree canopy percentage target – SD is 35%, want between 30-35%); holistic urban forestry plan / green streets / stormwater capture; food systems (climate smart food production and carbon smart farming practices – locally sourced foods)

11. Any other questions or comments?

CAC will be sending multiple letters throughout the process; draft report card coming soon

Carlsbad CAP Update Outreach San Diego County Bicycle Coalition

Wednesday, March 9, 2 to 3 p.m.
Zoom (Virtual)

Attendees

Katie Hentrich, City of Carlsbad
Will Rhatigan, San Diego County Bicycle
Coalition

Meeting Goal: Initial stakeholder outreach for CAP Update.

1. What does climate action mean to you?

Reducing GHG emissions; climate justice (links to housing and mobility justice); allowing people to live without a car; making sure consequences of climate action are benefitting everyone equitably

2. What climate change impacts are you most concerned about? Please rank in order from most concerned to least concerned.

Sea level rise; extreme heat and heat waves; wildfire and wildfire smoke; storm events and flooding; drought; other

Wildfire; extreme heat; SLR (more globally); crop failure (globally)

3. What about the adopted Climate Action Plan is important to keep in the Climate Action Plan Update? Why?

“realistically, most of it”; a lot of short-term emissions measures of what already exists in Carlsbad; “I don’t see anything I’d remove”

4. What about the adopted Climate Action Plan would you like to see changed in the Climate Action Plan Update? Why?

building on existing CAP; “a plan to actually transform Carlsbad into a sustainable city”; Carlsbad is sprawling and car dependent city that is extremely unaffordable for people; walkable, transit-friendly, increased affordable housing to live and work near jobs

5. What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean transportation? Why?

implementing bicycle master plan; existing master plan does not have a lot of Class 4 bikeways; upgrade Class 2 to Class 4 wherever possible (Class 2 is majority of what’s planned for in master

plan, but plan to upgrade to buffered Class 2); don't want to slow down implementation of master plan but can look at opportunities to upgrade to Class 4 while installing on project by project basis

Pedestrian accessibility; traffic calming (speed bumps, bulb outs, etc); street lighting and shade trees along pedestrian routes; enhanced crosswalks; does Carlsbad have a sidewalk master plan? Is it in the Sustainable Mobility Plan? Yes!

Increasing transit service in Carlsbad (Coaster, SPRINTER)

6. What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean energy? Why?

N/A

7. What is the top action the city should prioritize in the Climate Action Plan Update to further promote water and wastewater? Why?

N/A

8. What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean solid waste? Why?

N/A

9. What can the city do to make sure the benefits of climate action are felt equitably in Carlsbad?

existing programs aren't super linked to transportation; more equitable land use policies in CAP Update, will be the most impactful to change behaviors and get people out of cars; eliminate new sprawl and development (VMT fees?); "Carlsbad can grow if it allows itself to" but focus growth that's accessible to transit and have huge emphasis on walkability and bike-ability; "what's missing most in Carlsbad is the mixed use factor"; updating the zoning code to allow for greater mixed use projects; more housing units can help with affordability; "my one pet peeve is parking minimums", certain # of parking units are mandated and changing those minimums will help to reduce VMT, abolish parking minimums at TPAs or ban citywide; opposing parking maximums at TPAs (e.g., Carlsbad Village) aka building unnecessary parking in developments

10. What other actions could the city prioritize to reduce greenhouse gas emissions in Carlsbad?

current CAP's emphasis is heavier on vehicle electrification, which is great; should be one component of a greater strategy to reduce transportation emissions; EVs still have emissions associated with them that are higher than biking or walking and also has resource bottlenecks with production side; shouldn't be a substitute to getting people out of their cars entirely

Mode share data; commuter incentive program (definitely for City employees and ways to provide incentives) – layer on top of existing TDM ordinance

Bike parking, lockers, showers, etc., bikes on busses

11. Any other questions or comments?

Carlsbad CAP Update Outreach Sierra Club

Thursday, March 10, 1:30 to 2:30 p.m.
Zoom (Virtual)

Attendees

Katie Hentrich, City of Carlsbad

Jamie Wood, City of Carlsbad

Poonam Boparai, Ascent Environmental

Mike McMahon, Sierra Club

Paige DeCino, Sierra Club

Karl Aldinger, Sierra Club

Simon Freedman, Sierra Club

Meeting Goal: Initial stakeholder outreach for CAP Update.

1. What does climate action mean to you?

Decarbonizing; limit emissions as quickly as possible to zero; mitigate emissions that we have so far as much as we can; transformational shift away from fossil fuels to renewable energy as quickly as reasonably possible; knowing that we have a climate emergency and having a CAP that measures our progress

2. What climate change impacts are you most concerned about? Please rank in order from most concerned to least concerned.

Sea level rise; extreme heat and heat waves; wildfire and wildfire smoke; storm events and flooding; drought; other

Agricultural food supplies; loss of biodiversity and habitat; overall tipping point is more of a concern (global tipping point); continuing pumping of poisonous foods into the air; ocean plastics; reaching 1.5 centigrade tipping point, not backing away from

Second most concern – impacts to droughts and the water supply (human and habitat)

Failure to address in reasonable amount of time means rush to address it at a later point will be chaotic and poorly done. Setting self up badly for disarray of reactionary changes

3. What about the adopted Climate Action Plan is important to keep in the Climate Action Plan Update? Why?

CEA/CCA; Measure B (commercial and industrial PV) but augment to include building electrification; Measure L (ZEV miles traveled) because transportation emissions are biggest contributor; TDM ordinance – upgrading bike lanes because of boom of electric bike usage, tricky to put TDM onto the backs of employers only since mode shift is larger than workforce, may still be a need for SOVs within the timeframe of this CAP but should not be the only thing considered (e.g., micromobility and transit); large commercial/industrial uses don't use their large real estate most effectively and

now with COVID some of those office parks are no longer being used effectively – can land use shifts be addressed within the CAP?

4. What about the adopted Climate Action Plan would you like to see changed in the Climate Action Plan Update? Why?

get rid of soft verbs like “promote” and “encourage”; such a lag between getting the GHG inventories and so we need to be aggressive to account for data delays; “toothless tiger approach”; new construction should be all electric to mirror other jurisdictions; account for off-road emissions such as leafblowers; improve readability, remove jargon and make it more interesting, compel people to want to take action; 100% clean energy target, use CEA to make that happen; converting existing building to electric – may not be specific measures for how to do that in the CAP but maybe setting timelines

5. What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean transportation? Why?

electrify city fleet faster – no need to buy PHEV anymore, set up a rebate program (Simon’s e-mail); improve bike infrastructure; increase charging infrastructure (e.g., charging corridor along the 78); 101 bike lane improvements from Palomar Airport Road to Tamarack; increase mode share; EVs will be hard to make towards 2050 as we strive towards zero carbon goals; TDM has too high of a threshold for businesses (is there any follow up with how businesses are implementing their TDM plans?)

6. What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean energy? Why?

building electrification; 100% clean energy; switch default for CEA customers into the 100% clean energy; educate rooftop solar customers that they can opt up to 100% clean energy; municipal services should opt up to 100% clean energy; advancement of distributed renewable energy in the city (through Carlsbad’s board seat at CEA) versus procuring from other locations; check MW goals for solar installation; add commitments to energy storage; rebates for homeowners to install storage; info on how residents can replace appliances with electric (rebates); pilot program to work with CEA to have electricians respond to home electrification requests (existing buildings)

7. What is the top action the city should prioritize in the Climate Action Plan Update to further promote water and wastewater? Why?

educating the public better about stormwater pollution; better job monitoring; water conservation; drought tolerant landscaping; policing process for water users (or promoting water savers)

8. What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean solid waste? Why?

practice sustainability at home level; promote composting at neighborhood level; shift recycling and trash trucks to electric; do cleaned and properly disposed of recyclables actually get recycled?; France pays for trash that they actually put out (by weight, or if they don’t put out trash cans); increase bulk food options from shop owners; reusable takeout containers

9. What can the city do to make sure the benefits of climate action are felt equitably in Carlsbad?

always target low-income and vulnerable communities first (e.g., GRID Alternatives to install solar on low-income housing); don't compel lower income residents to switch over to 100% clean electricity as quickly; rebates for EVs; understand relationships with landlords to avoid gentrification as buildings are upgraded; careful about how we use incentives and instead make transition to electric easy and available and natural (point of purchase rebate versus income need); senior populations; retrofitting natural gas kitchens for health purposes

10. What other actions could the city prioritize to reduce greenhouse gas emissions in Carlsbad?

create a Sustainability Commission; off-road transportation emissions reduction (leaf blowers) – even City staff are using them; lead by example; demand response at the city level

11. Any other questions or comments?

Carlsbad CAP Update Outreach SanDiego350

Wednesday, March 23, 9:30 to 10:30 a.m.
Zoom (Virtual)

Attendees

Katie Hentrich, City of Carlsbad

Anne Sheridan, SanDiego350

Jamie Wood, City of Carlsbad

Matt Gelbman, Ascent Environmental

Meeting Goal: Initial stakeholder outreach for CAP Update.

1. What does climate action mean to you?

What are the actions that the city can take that are in its jurisdiction both structurally and to encourage individual change; the trickier part is individual behavior

2. What climate change impacts are you most concerned about? Please rank in order from most concerned to least concerned.

Sea level rise; extreme heat and heat waves; wildfire and wildfire smoke; storm events and flooding; drought; other

Personally – ability to produce food; city/regionally – sea level rise, wildfire

3. What about the adopted Climate Action Plan is important to keep in the Climate Action Plan Update? Why?

Building electrification; transportation

4. What about the adopted Climate Action Plan would you like to see changed in the Climate Action Plan Update? Why?

Building electrification; implementation can not be an afterthought and needs to be central to development of the CAP – what's the goal, can there be more calculations between 2035/2045 and present? annual reporting

5. What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean transportation? Why?

Focusing on VMT and reducing VMT; public transportation and transit; mode share targets; increasing EV usage (municipal especially)

6. What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean energy? Why?

Building electrification; incentivizing retrofits; plan for retrofitting existing building; commit to 100% renewable energy for municipal operations; require rooftop solar for commercial to reach 85% of load; require rooftop solar for schools/city buildings/nonprofits

7. What is the top action the city should prioritize in the Climate Action Plan Update to further promote water and wastewater? Why?

treating wastewater and methane recapture; use less; rain collection/rain barrel program

8. What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean solid waste? Why?

municipal zero waste plan; SB 1383 compliance; edible food recovery

9. What can the city do to make sure the benefits of climate action are felt equitably in Carlsbad?

definitely a concern; include CoCs in outreach; public health and pollution and how those are connected and how the CAP can address that issue; Climate Equity Index (like SD or CV); how will jobs be impacted by different measures

10. What other actions could the city prioritize to reduce greenhouse gas emissions in Carlsbad?

zero carbon goal; is there funding to implement and can that be described?, better communication within and across departments

11. Any other questions or comments?

good CAPs – latest City of SD CAP (but needs more with implementation), also includes a big gap related to future technology but doesn't identify what it is or how the reductions could be met; County's Regional Decarbonization Framework menu of options; don't rely too much on unknowns

Carlsbad CAP Update Outreach Carlsbad Chamber of Commerce

Thursday, March 24, 11 a.m. to 12 p.m.
Zoom (Virtual)

Attendees

Katie Hentrich, City of Carlsbad
Jamie Wood, City of Carlsbad
Matt Sanford, City of Carlsbad

Bret Schanzenbach, Carlsbad Chamber of
Commerce

Meeting Goal: Initial stakeholder outreach for CAP Update.

1. What does climate action mean to you?

Approach to try and reduce greenhouse gases within a given jurisdiction by a variety of means; proactive means environmentally; like planting more trees to absorb climate impacts and carbon dioxide; reducing carbon dioxide emissions; finding ways to incentivize people to use less

2. What climate change impacts are you most concerned about? Please rank in order from most concerned to least concerned.

Sea level rise; extreme heat and heat waves; wildfire and wildfire smoke; storm events and flooding; drought; other

Fires and Santa Ana's; there used to be a "fire season" and there's no such thing as a fire season anymore, there is an ever-present threat of fire; there's just no seasonality anymore and it is a constant threat; always just one bad rainy season away from another drought and any given drought could turn into an extended drought, you have no idea how long it is going to last; we are a coastal community and sea level rise makes sense

3. What about the adopted Climate Action Plan is important to keep in the Climate Action Plan Update? Why?

Not sure I know it well enough to speak authoritatively enough; it is really important to have proactive measures like "how many more trees do we want to have in our community" since trees can help beautify and reduce carbon emissions; government has set aggressive goal with electric cars; until charging infrastructure gets more robust then there's no incentive to drive EVs; incentivize businesses to install EV charging stations since there are only so many new developments that will be built, incentivizing with existing buildings; the more chargers are available the easier it is to adopt; want people coming from elsewhere for tourism to be able to charge

4. What about the adopted Climate Action Plan would you like to see changed in the Climate Action Plan Update? Why?

tree planting measure; existing building charging infrastructure (as mentioned above); EV charging in Coaster station parking lot

5. What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean transportation? Why?

EV charging infrastructure; start the Carlsbad Connector again, making transit convenient and building out first mile last mile connections from transit stations to business park areas; better bike infrastructure and making sure it is thought through and safe and more separate than what they are now, there could be times where removing parking to install better bike lanes could occur because there theoretically would be a little less need for parking for automobiles; still very poor mass transit to Palomar Airport Corridor, Legoland is huge and majority of its employees should be able to take mass transit to work

6. What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean energy? Why?

looking at city facilities where solar could be added and where practical; CEA and being greener in how we procure energy; incentivize existing buildings to install solar (discounts on business license fees for a period of time if they go solar)

7. What is the top action the city should prioritize in the Climate Action Plan Update to further promote water and wastewater? Why?

the desalination plant is great; Oceanside just opened a recycling water facility; how to reuse water that we already have in our system? Like growing out purple pipe network; no ideas for stormwater

8. What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean solid waste? Why?

food recycling and recovery via SB 1383; a lot of education around the “why” of food recycling because it is such a change in behaviors and want to capture the full benefit of it; businesses will be the biggest consumers of it and have the biggest incentives to do it correctly, but residents should be doing it as well to support the impact; it’s uncomfortable to go places that don’t have the same mentality that we do

9. What can the city do to make sure the benefits of climate action are felt equitably in Carlsbad?

translating things into Spanish or other languages to make any programs that we do accessible

10. What other actions could the city prioritize to reduce greenhouse gas emissions in Carlsbad?

Carlsbad Green Business Network should get more marketing attention so more businesses are aware of it, there are a lot of businesses that would want their name associated with those practices; capture promotion of this in the plan

11. Any other questions or comments?

None

Carlsbad CAP Update Outreach Preserve Calavera / North County Advocates / Buena Vista Audubon Society

Monday, March 28, 11 a.m. to 12 p.m.
Zoom (Virtual)

Attendees

Katie Hentrich, City of Carlsbad
Jamie Wood, City of Carlsbad
Poonam Boparai, Ascent Environmental

Diane Nygaard, Preserve Calavera
Howard Krausz, North County Advocates
Joan Herskowitz, Buena Vista Audubon
Society
Ellen Bartlett, Preserve Calavera

Meeting Goal: Initial stakeholder outreach for CAP Update.

1. What does climate action mean to you?

skip

2. What climate change impacts are you most concerned about? Please rank in order from most concerned to least concerned.

Sea level rise; extreme heat and heat waves; wildfire and wildfire smoke; storm events and flooding; drought; other

skip

3. What about the adopted Climate Action Plan is important to keep in the Climate Action Plan Update? Why?

Annual reporting is important to keep but ones without updated data (like inventories) is less impactful than ones that do (like with SANDAG snapshot); make sure measures have meaningful and measurable data but still isn't excessively costly

4. What about the adopted Climate Action Plan would you like to see changed in the Climate Action Plan Update? Why?

Prioritize measures with co-benefits and balancing costs of implementation; the CAP isn't a standalone document for the City and is integrated with other environmental documents (HMP needs updates to incorporate adaptive management); interrelated with sea level rise documents and the triggers included, IPCC report released and results are alarming; set targets higher so margin of safety of not hitting reduction targets can accommodate GHG reductions to help with climate change impacts

Electrification; CCE still figuring out programs but City can coordinate and can be a driver for things like energy retrofit programs for existing buildings; good focused locally produced research about how to get “biggest bang for the buck” for reduction measures; capture mitigation from projects (locally and not elsewhere in state or country)

Adaptive management and building in a system of how things are changing and triggers can push city towards next level of action (without having to do a full CAP update) – baseline assumptions assume CA fleet mix (assume State and federal legislation won’t be as successful?) will be very high so an example could be to build in something related to EV measures as stopgaps if fleet conversion isn’t as high as anticipated

5. What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean transportation? Why?

TDM ordinance (e.g., Aldea project was conditioned to have a TDM program but then TDM wasn’t needed); Marja Acres had a similar issue (poorly written and no monitoring/enforcement, no assurance there will be any TDM improvements); monitoring and follow-up for TDM ordinance needs to be more involved to show trip reductions, thresholds need to be lower; mode share/split and increasing bicycle infrastructure outside of the downtown/Village area, strategic programs to capture data with large employers; Carlsbad Connector was a good program but needs some tweaking; undergrounding the railroad tracks through Carlsbad – transportation dollars would be better spent elsewhere and undergrounding doesn’t reduce GHGs; strategically implementing public transit; parking management as another strategy to change mode split and further integrate with other city documents

Increase usage of EVs, city needs to do “everything possible” to encourage people to use EVs and to charge them; municipal charging for employees; need to have inexpensively generated electricity available, have both “carrots” and “sticks”, uniform system for charging at parking lots; charging stations for delivery vans or encouraging delivery services to go electric

6. What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean energy? Why?

electrification; CEA; energy retrofits for existing buildings (cost factor to scale that up)

7. What is the top action the city should prioritize in the Climate Action Plan Update to further promote water and wastewater? Why?

Carlsbad has the benefit of the very high energy water production from the desal plant; integrating so how energy to clean and transport water becomes a more important part of the decision making; percentage of municipal operations is still a relatively small percent and water is a small percent of that; always looks good for public agencies to be leaders; water conservation programs were seemingly effective; will have to depend more and more on recycled water in the future; new construction for higher density buildings can lead to problems with water usage if the tenants aren’t paying for the water; mandatory conservation like with previous droughts; xeriscaping and drought tolerant plants; water harvesting/cisterns; lots of restrictions with greywater and reuse and sometimes ordinances can make this more complicated

8. What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean solid waste? Why?

zero waste; food waste handling and doing so in a way that uses less energy; encouraging backyard composting

9. What can the city do to make sure the benefits of climate action are felt equitably in Carlsbad?

EV adoption and charging installation; harder in suburban areas; don't have groups locally that have good feedback on that; air quality impacts (Holiday Park is next to the freeway); to really do that right it will take some effort

Financial incentives for leaf blowers

Let the community come up with their own projects; integrate with street planning and water quality improvements/stormwater

10. What other actions could the city prioritize to reduce greenhouse gas emissions in Carlsbad?

carbon sequestration (restoring native habitat), can track and show if we are losing or gaining habitat, building in how much sequestration we can have by keeping lands natural and can support adding more natural lands, LIDAR tree canopy study which shows canopy percentage data, tree planting per year is meaningless but percentage of canopy cover is more meaningful (life cycle of trees); where are trees located and are we strategically placing them, add as development criteria to add shade to the buildings and other ped/bike infrastructure; Vista has strong focus on native trees

Prohibit gas powered leaf blowers

11. Any other questions or comments?

None

Carlsbad CAP Update Outreach Building Industry Association

Monday, May 16, 11 a.m. to 12 p.m.
Zoom (Virtual)

Attendees

Katie Hentrich, City of Carlsbad
Poonam Boparai, Ascent Environmental

Kelly Batten, BIA SD

Meeting Goal: Initial stakeholder outreach for CAP Update.

1. What does climate action mean to you?

Having a smaller footprint, producing more efficient homes, more fire-safe homes, a lot more technologies have to be installed in homes now, being good stewards of the environment

2. What climate change impacts are you most concerned about? Please rank in order from most concerned to least concerned.

Sea level rise; extreme heat and heat waves; wildfire and wildfire smoke; storm events and flooding; drought; other

Everything is a lot more cleaner burning now and we should continue on that path, especially with corporations

3. What about the adopted Climate Action Plan is important to keep in the Climate Action Plan Update? Why?

Wouldn't get rid of anything in particular, it's just a matter of how it's all regulated. More incentivizing things rather than mandating. Layer on top of existing measures, already going above and beyond, already on a trajectory of making a difference. Want to see how we are doing before making so many substantive changes. Going beyond state standards is where we are most

4. What about the adopted Climate Action Plan would you like to see changed in the Climate Action Plan Update? Why?

Going beyond state standards is where we are most concerned / most issues. Decarbonization is a big one that is new. Some things are fine – we all know we have to add solar now – but it does add costs and housing is already so expensive.

5. What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean transportation? Why?

Incentivizing folks to drive EVs, incentivizing builders to have charging stations on site. Right now there is no incentive because it's not a mitigation factor for VMT. Who is responsible for building all of those charging stations? Cost of installation and maintenance are barriers to builders, also working with whatever utility to pay for the fees associated. Who pays – property owner? Also expensive to purchase the plugs for “EV ready” in homes, supply chain issues to acquire. Challenges for charging in multifamily buildings.

6. What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean energy? Why?

Electrification makes a small difference, building a trench for all utilities (natural gas and electricity). Electric heat pumps are hard to get. Electric water heaters don't meet Title 24 requirements. Installing electric tank water heater takes up just as much energy of gas water heater so it's running all the time to keep that water warm. Supply chain issues to get water heaters and more expensive.

Technology is going to continue to improve and we'll be using less and less as a result. Taking into consideration with all electrification – SDG&E has done a study showing that we don't have enough electricity to get through the summer (brownouts, blackouts). Adding more electricity to the grid doesn't help that situation, we're a little ahead of ourselves in a way.

Battery storage needs to get up to par to support the electric load. How do we even keep up with the demand (e.g., electric charging stations for EVs)? Energy resilience coupled with using less in a home (e.g., better windows, better HVAC).

7. What is the top action the city should prioritize in the Climate Action Plan Update to further promote water and wastewater? Why?

see above for water heating. Everything is very water efficient now as far as usage. Some of the codes now for stormwater are almost impossible (e.g., cleaning water for runoff on site and capturing). One of the top things BIA is working on. Specifically related to construction, already codes in state law. Compliance around it delays projects and is costly, looking into managing this better and more realistic to apply.

8. What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean solid waste? Why?

Nothing super specific in the industry for solid waste, infrastructure related. How to work with cities on infill projects – if you're going to build infill development, the developers responsible for replacing and upgrading sewage and water pipes that may be older. First person to come in and build is responsible for all of the costs (even if there are multiple parcels). Would cities help with that burden or are there federal funds? Not so much of an issue outside of infill.

9. What can the city do to make sure the benefits of climate action are felt equitably in Carlsbad?

retrofitting current buildings. 350 new units a year on average in Carlsbad, so any regulations for new buildings would be a small impact. Incentivizing older homes to be retrofitted will really see more savings.

10. What other actions could the city prioritize to reduce greenhouse gas emissions in Carlsbad?

a lot of movement on sidewalks and accessibility to transit, for new homes it's a matter of incentivizing e-scooters and e-bike charging and EV infrastructure, it'll be up to SANDAG/NCTD/MTS to get more transit in north county, easier pathways to using transit

11. Any other questions or comments?

Reach codes are always an issue. Really concerned about the strain on the grid already. SDG&E presentation was really concerning and way more storage is needed than we already have. Building storage is sometimes not supported by the community and the projects don't get built. Always reach out. Appreciate a phase in of policies versus an up front mandate, it takes time to change how homes are built. Battery storage and how do you replace them or dispose of them.

Appendix C – Online Survey Results

The online survey questions and a summary of responses are included in subsequent pages.

#1

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Wednesday, March 09, 2022 2:59:52 PM
Last Modified: Wednesday, March 09, 2022 3:20:49 PM
Time Spent: 00:20:56
IP Address: 104.178.252.176

Page 1

Q1

What does climate action mean to you?

Reduce industrial and transportation and other greenhouse effect sources.

Q2

What climate change impacts are you more concerned about? Please rank in order from most concerned to least concerned.

Sea level rise	3
Extreme heat and heat waves	2
Wildfire and wildfire smoke	1
Storm events and flooding	4
Drought	5
Other	6

Q3

Respondent skipped this question

What about the adopted Climate Action Plan is important to keep in the Climate Action Plan Update? Why?

Q4

Respondent skipped this question

What about the adopted Climate Action Plan would you like to see changed in the Climate Action Plan Update? Why?

Q5

Respondent skipped this question

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean transportation? Why?

Q6

Respondent skipped this question

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean energy? Why?

Q7

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean water and wastewater? Why?

Expand and promote private and nonprofit

Q8

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean solid waste? Why?

Don't know

Q9

What can the city do to make sure the benefits of climate action are felt equitably in Carlsbad?

Not sure

Q10

What other actions could the city prioritize to reduce greenhouse gas emissions in Carlsbad?

Promote alternative non-polluting options for local transportation.

Q11

If you would like to stay informed on the Climate Action Plan Update, please provide your contact information below.

Name	Stephen Flynn
E-Mail	
Organization	Friends of Cardiff and Carlsbad State Beaches

#2

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Tuesday, March 15, 2022 10:06:26 AM
Last Modified: Tuesday, March 15, 2022 4:45:53 PM
Time Spent: 06:39:27
IP Address: 66.75.53.142

Page 1

Q1

What does climate action mean to you?

Maximizing our future quality of LIFE by minimizing waste and reducing our carbon footprint to zero.

Q2

What climate change impacts are you more concerned about? Please rank in order from most concerned to least concerned.

Sea level rise	3
Extreme heat and heat waves	5
Wildfire and wildfire smoke	2
Storm events and flooding	4
Drought	1
Other	6

Q3

What about the adopted Climate Action Plan is important to keep in the Climate Action Plan Update? Why?

Replace fossil fuel use with solar & hybrid vehicles.

Q4

What about the adopted Climate Action Plan would you like to see changed in the Climate Action Plan Update? Why?

Focus on hybrid vehicles first and then ZEV. 90% of car trips are 40 miles or less & most of the carbon used in ZEV is not in operating it.

Q5

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean transportation? Why?

Promote hybrid vehicles and safe E-Bike lanes.

Q6

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean energy? Why?

Solar on all homes. Fossil fuels are more expensive than solar panels now.

Q7

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean water and wastewater? Why?

Reuse the water like the OC does. Desal is way too energy intensive.

Q8

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean solid waste? Why?

Not sure.

Q9

What can the city do to make sure the benefits of climate action are felt equitably in Carlsbad?

Help lower income homes with solar, E-Bikes & hybrid vehicles.

Q10

What other actions could the city prioritize to reduce greenhouse gas emissions in Carlsbad?

Focus less on cars & more on E-Bike infrastructure.

Q11

If you would like to stay informed on the Climate Action Plan Update, please provide your contact information below.

Name

KC Krause

E-Mail

[REDACTED]

Organization

SKRE

#3

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Tuesday, March 22, 2022 4:56:43 PM
Last Modified: Tuesday, March 22, 2022 5:00:28 PM
Time Spent: 00:03:45
IP Address: 68.224.171.125

Page 1

Q1

What does climate action mean to you?

Requiring projects to do what they reasonably can to minimize VMT and GHG emissions.

Q2

What climate change impacts are you more concerned about? Please rank in order from most concerned to least concerned.

Sea level rise	2
Extreme heat and heat waves	4
Wildfire and wildfire smoke	5
Storm events and flooding	3
Drought	1

Q3

What about the adopted Climate Action Plan is important to keep in the Climate Action Plan Update? Why?

Mitigation measures around increased transit and biking

Q4

What about the adopted Climate Action Plan would you like to see changed in the Climate Action Plan Update? Why?

More high value regional mitigation measures to reduce VMT (so projects can pay into larger project pools)

Q5

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean transportation? Why?

separated bike lanes; ebikes will save us

Q6

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean energy? Why?

distributed residential solar subsidies

Q7

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean water and wastewater? Why?

potable sewage recycling at Encina, ASAP

Q8

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean solid waste? Why?

organics recycling

Q9

What can the city do to make sure the benefits of climate action are felt equitably in Carlsbad?

relieve multi-family housing projects with at least 20% low affordable units from CAP compliance

Q10

What other actions could the city prioritize to reduce greenhouse gas emissions in Carlsbad?

Local carbon offset program

Q11

Respondent skipped this question

If you would like to stay informed on the Climate Action Plan Update, please provide your contact information below.

#4

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Thursday, March 24, 2022 9:07:55 AM
Last Modified: Thursday, March 24, 2022 11:32:45 AM
Time Spent: 02:24:50
IP Address: 66.75.54.37

Page 1

Q1

What does climate action mean to you?

Reduce methane gases

Q2

What climate change impacts are you more concerned about? Please rank in order from most concerned to least concerned.

Sea level rise	4
Extreme heat and heat waves	5
Wildfire and wildfire smoke	1
Storm events and flooding	2
Drought	3

Q3

What about the adopted Climate Action Plan is important to keep in the Climate Action Plan Update? Why?

Core value

Q4

What about the adopted Climate Action Plan would you like to see changed in the Climate Action Plan Update? Why?

State mandates are restrictive to business

Q5

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean transportation? Why?

Provide more educational information of how individuals can help.

Q6

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean energy? Why?

Safer Circulation for small trips to be walked or electric bike. Specifically developing the trail segments around

Q7

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean water and wastewater? Why?

Target and educate toward the GHG emissions of 2035 as outlined

Q8

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean solid waste? Why?

It's too low to focus on when there are modifications to other areas ie. cars and electrify that meaningful outcomes could be realized with appropriate resources allocated

Q9

What can the city do to make sure the benefits of climate action are felt equitably in Carlsbad?

Communicate via multiple players and modules to widely educate on what an individual can do and reenforce with kudos.

Q10

What other actions could the city prioritize to reduce greenhouse gas emissions in Carlsbad?

Plant only native landscape to reduce water/ electricity usage

Q11

If you would like to stay informed on the Climate Action Plan Update, please provide your contact information below.

Name

Lisa

E-Mail

[REDACTED]

Organization

AHLF

#5

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Thursday, March 24, 2022 5:18:40 PM
Last Modified: Thursday, March 24, 2022 5:37:45 PM
Time Spent: 00:19:05
IP Address: 66.27.103.59

Page 1

Q1

What does climate action mean to you?

To me, climate action means top to bottom investment in infrastructure that will help us ween off of our wasteful, car dependent lives. This means investment in safe bike paths, rail transit infrastructure, renewables etc.

Q2

What climate change impacts are you more concerned about? Please rank in order from most concerned to least concerned.

Sea level rise	3
Extreme heat and heat waves	4
Wildfire and wildfire smoke	1
Storm events and flooding	5
Drought	2
Other	6

Q3

What about the adopted Climate Action Plan is important to keep in the Climate Action Plan Update? Why?

photovoltaic because we are an extremely sunny place and realistically can get much of our electricity needs from photovoltaic systems

Q4

What about the adopted Climate Action Plan would you like to see changed in the Climate Action Plan Update? Why?

more investment in actual, realistic alternatives to driving. There needs to be safe and easy ways to get around our city without a car, and the current bike lane design is truly a hazard. It seems like not much thought is put in to other modes of transportation

Q5

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean transportation? Why?

protected bikelanes that follow a Dutch style design, improved rail and bus transit, traffic calming, pedestrianization. These all give alternatives to the private car which contributes 48% of our ghg emmissions.

Q6

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean energy? Why?

photovoltaic. There is so much potential with photovoltaics that can fill in the gaps where sierra snowpack dependent hydro will have shortfalls.

Q7

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean water and wastewater? Why?

more water pollution awarness and a reduction of the amount of cars on the road. Runoff from streets contains many synthetic oils that are persistent organic pollutants. reducing vehicle miles travveled will in turn lower car related water pollution.

Q8

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean solid waste? Why?

banning plastics by 2030, and incentives + education about recycling. there should be major fines for throwing away hazardous waste and the city needs to further their recycling programs.

Q9

What can the city do to make sure the benefits of climate action are felt equitably in Carlsbad?

Carlsbad is generally a very wealthy place, so planning regionally so that cities like oceanside, vista, and san marcos can learn from our steps in the right direction. Connecting low income households throughout the north county region to employment centers should also be high priority

Q10

What other actions could the city prioritize to reduce greenhouse gas emissions in Carlsbad?

Reduction in the urban heat island effect which will in turn decrease ground level ozone. Carlsbad has a shocking number of massive roadways and parking lots which lead to a warming effect that facilitates ground level ozone and increased demand for water and air conditioning. this should be high priority.

Q11

If you would like to stay informed on the Climate Action Plan Update, please provide your contact information below.

Name

Daniel McLoughlin

E-Mail

[REDACTED]

Organization

Pacific Ridge School

#6

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Saturday, March 26, 2022 9:30:45 AM
Last Modified: Saturday, March 26, 2022 11:08:06 AM
Time Spent: 01:37:21
IP Address: 76.176.13.251

Page 1

Q1

What does climate action mean to you?

creating policies and incentives to allow the transition from fossil fuels to alternative forms of energy in order to slow down the climate changes that are already devastating our planet- and which will cause suffering and economic hardship unless we take universal action.

Q2

What climate change impacts are you more concerned about? Please rank in order from most concerned to least concerned.

Sea level rise	5
Extreme heat and heat waves	2
Wildfire and wildfire smoke	3
Storm events and flooding	6
Drought	4

Q3

What about the adopted Climate Action Plan is important to keep in the Climate Action Plan Update? Why?

I like your use of LEAN principles and the PDSA cycle of improvement- but the cycle needs to happen every 6 months or you will not be able to make appropriate adjustments to your plan. general concepts about GHG reduction opportunities are correct but the targets are not ambitious enough. I like the educational links.

Q4

What about the adopted Climate Action Plan would you like to see changed in the Climate Action Plan Update? Why?

targets too low and time too short in every category- solar panels, home energy retrofits, use of LEDs (who uses anything but LEDs now?, it should be 100% by tomorrow), all new construction electric/no gas hookups, more community engagement- we are the problem and need to be part of the solution. More specific engagement of employers- willingly/with incentives or by penalties. Does not sound urgent enough. More attention to social media, community organizations, schools to ask them to engage in specific ways.

Q5

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean transportation? Why?

1. all government vehicles should be EV's (including trucks), 2. more efforts at traffic calming- fix the traffic light timing, create traffic circles 3. make some roads bike/e-bike, golf cart only- ex take el Camino Real and take 1-2 lanes ONLY for bikes, e-bikes, golf carts- separate it from the main road with full barriers, (collaborate with Encinitas) 4. lower traffic speeds, 5. encourage businesses to use electric shuttles from transit centers and reward employees who do so,

Q6

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean energy? Why?

1.Create and then hire a climate communication and engagement position- to ensure better community engagement- one on one conversations, social media, community organizations, schools, churches, businesses. With success metrics. Even with a great climate action plan you will not succeed if it requires people to pay attention- it needs challenges, active engagement and participant-involved education. I think that people care but get busy, apathetic and resist change. Climate change is literally a war right now and we need to treat it as such.

Q7

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean water and wastewater? Why?

report cards to homeowner and businesses as to how they perform compared to their peers

Q8

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean solid waste? Why?

green waste composting

Q9

What can the city do to make sure the benefits of climate action are felt equitably in Carlsbad?

job transition programs for workers in the fossil fuel industry, we must also create a pathway for jobs in environmental justice communities.

Q10

What other actions could the city prioritize to reduce greenhouse gas emissions in Carlsbad?

have one day/month of no driving?, bike-to-work/school, city-wide educational programs about then CAP, why and how to help on an individual basis

Q11

If you would like to stay informed on the Climate Action Plan Update, please provide your contact information below.

Name

Katrina Olson

E-Mail

[REDACTED]

#7

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Saturday, March 26, 2022 10:57:19 AM
Last Modified: Saturday, March 26, 2022 11:35:12 AM
Time Spent: 00:37:53
IP Address: 76.176.13.251

Page 1

Q1

What does climate action mean to you?

Prioritized changes to decrease greenhouse gas emissions

Q2

What climate change impacts are you more concerned about? Please rank in order from most concerned to least concerned.

Sea level rise	3
Extreme heat and heat waves	1
Wildfire and wildfire smoke	4
Storm events and flooding	5
Drought	2
Other	6

Q3

What about the adopted Climate Action Plan is important to keep in the Climate Action Plan Update? Why?

Vehicle emissions—largest contribution and relative ease of implementation

Q4

What about the adopted Climate Action Plan would you like to see changed in the Climate Action Plan Update? Why?

More aggressive mpg targets

Q5

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean transportation? Why?

Electrify Carlsbad city vehicles—easier to implement and sends a message

Q6

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean energy? Why?

Incentivize photovoltaics-can pay for itself

Q7

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean water and wastewater? Why?

Get rid of grass-promote xeroscaping—water usage report card to residents

Q8

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean solid waste? Why?

Promote composting

Q9

What can the city do to make sure the benefits of climate action are felt equitably in Carlsbad?

Note improved air quality—other benefits less evident in the short term

Q10

What other actions could the city prioritize to reduce greenhouse gas emissions in Carlsbad?

Smart traffic control systems

Q11

If you would like to stay informed on the Climate Action Plan Update, please provide your contact information below.

Name	Bruce Olson
E-Mail	
Organization	Resident

#8

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Sunday, April 03, 2022 6:59:39 PM
Last Modified: Sunday, April 03, 2022 7:08:41 PM
Time Spent: 00:09:01
IP Address: 76.167.188.234

Page 1

Q1

What does climate action mean to you?

Leadership, showing that you care about the future

Q2

What climate change impacts are you more concerned about? Please rank in order from most concerned to least concerned.

Sea level rise	4
Extreme heat and heat waves	1
Wildfire and wildfire smoke	2
Storm events and flooding	5
Drought	3
Other	6

Q3

What about the adopted Climate Action Plan is important to keep in the Climate Action Plan Update? Why?

It's all good!

Q4

What about the adopted Climate Action Plan would you like to see changed in the Climate Action Plan Update? Why?

Add a Building Electrification section with three parts: 1. All electric new construction, 2. Convert municipal buildings to electric, 3. Support converting all existing buildings to electric

Q5

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean transportation? Why?

transit oriented development. live near transit makes it easy to use.

Q6

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean energy? Why?

Upgrade city facilities to Green Impact with 100% renewable power

Q7

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean water and wastewater? Why?

increase water efficiency, get rid of grass lawns

Q8

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean solid waste? Why?

NA

Q9

What can the city do to make sure the benefits of climate action are felt equitably in Carlsbad?

assess CAP measure impacts per neighborhood

Q10

What other actions could the city prioritize to reduce greenhouse gas emissions in Carlsbad?

Do an all-electric new construction reach code now, don't wait for CAP update.

Q11

Respondent skipped this question

If you would like to stay informed on the Climate Action Plan Update, please provide your contact information below.

#9

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Wednesday, April 13, 2022 9:55:05 PM
Last Modified: Wednesday, April 13, 2022 10:52:22 PM
Time Spent: 00:57:16
IP Address: 76.88.86.94

Page 1

Q1

What does climate action mean to you?

Reducing the carbon dioxide and methane levels to prevent loss of life and living conditions on the planet

Q2

What climate change impacts are you more concerned about? Please rank in order from most concerned to least concerned.

Sea level rise	3
Extreme heat and heat waves	1
Wildfire and wildfire smoke	2
Storm events and flooding	5
Drought	4
Other	6

Q3

What about the adopted Climate Action Plan is important to keep in the Climate Action Plan Update? Why?

Yes, Important to monitor progress and to continue environmental improvements

Q4

What about the adopted Climate Action Plan would you like to see changed in the Climate Action Plan Update? Why?

I would like to see us have our own renewable energy local grid projects and supply like solar fields and our own Green Hydrogen Electrolyzer Hub

Q5

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean transportation? Why?

Prioritize clean electric and hydrogen fuel cell transportation.

Q6

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean energy? Why?

Implement ordinances for all new and retrofit buildings and development meet new electrification standards

Q7

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean water and wastewater? Why?

Carlsbad has one most efficient wastewater facilities and purple pipe program. Work on removing nano plastics and pharmaceutical toxins

Q8

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean solid waste? Why?

Develop and provide our own city organic composting center

Q9

What can the city do to make sure the benefits of climate action are felt equitably in Carlsbad?

Provide greater access to low cost access to micro grids in lower income sections of our city.

Q10

What other actions could the city prioritize to reduce greenhouse gas emissions in Carlsbad?

Incentivize our homes, schools and businesses to move away from fossil fuel to electrification, retrofit with green hydrogen fuel cell production, water and refrigerant heat pumps, solar storage and induction stoves

Q11

If you would like to stay informed on the Climate Action Plan Update, please provide your contact information below.

Name	Jay Klopfenstein
E-Mail	
Organization	Carlsbad Community Gardens Collaborative

#10

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Tuesday, April 19, 2022 11:06:22 AM
Last Modified: Tuesday, April 19, 2022 11:35:09 AM
Time Spent: 00:28:46
IP Address: 99.165.39.79

Page 1

Q1

What does climate action mean to you?

A Climate Action should be proactive and not merely cashing in on improvements already happening with technology or the goodwill of citizens.

Q2

What climate change impacts are you more concerned about? Please rank in order from most concerned to least concerned.

Sea level rise	2
Extreme heat and heat waves	3
Wildfire and wildfire smoke	4
Storm events and flooding	5
Drought	1

Q3

What about the adopted Climate Action Plan is important to keep in the Climate Action Plan Update? Why?

A climate change update should go much farther than the current adopted Climate Action Plan.

Q4

What about the adopted Climate Action Plan would you like to see changed in the Climate Action Plan Update? Why?

Not "changed" but increased by many necessary measures.

Q5

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean transportation? Why?

Promote efficiently, in deeds and votes, the acquisition of modern efficient public transportation, locally (at least a rapid and regular connection with the City of San Diego and San Diego airport) and statewide (Carlsbad should demand the completion of the bullet train project between San Diego and Northern California.) Transportation is the first cause of greenhouse gas emissions in California.

Q6

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean energy? Why?

Public Transportation. The whole county is underdeveloped regarding transportation. Morocco or Turkey have better transport systems.

Q7

Respondent skipped this question

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean water and wastewater? Why?

Q8

Respondent skipped this question

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean solid waste? Why?

Q9

What can the city do to make sure the benefits of climate action are felt equitably in Carlsbad?

"felt" is not the right word. The destruction of our climate impacts in priority poor communities. A real serious climate action would, of course, alleviate this effect.

Q10

What other actions could the city prioritize to reduce greenhouse gas emissions in Carlsbad?

At least, ALL vehicles belonging to Carlsbad and catering for Carlsbad City should already be electric, without option. The city of carlsbad SHOULD vote for a modern, fast and comprehensive public transport system in SANDAG. Carlsbad SHOULD NOT destroy more natural unbuilt land. Businesses SHOUL NOT be allowed to waste water in lavish acres of lawn. In a climate like ours, we should see on public buildings and others a lot more photovoltaic heating and cooling systems.

Q11

Respondent skipped this question

If you would like to stay informed on the Climate Action Plan Update, please provide your contact information below.

#11

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Tuesday, May 03, 2022 9:31:45 AM
Last Modified: Tuesday, May 03, 2022 9:38:37 AM
Time Spent: 00:06:51
IP Address: 209.242.149.227

Page 1

Q1

What does climate action mean to you?

Reducing emissions for cleaner air, prevent global warming

Q2

What climate change impacts are you more concerned about? Please rank in order from most concerned to least concerned.

Sea level rise	4
Extreme heat and heat waves	3
Wildfire and wildfire smoke	2
Storm events and flooding	5
Drought	1

Q3

What about the adopted Climate Action Plan is important to keep in the Climate Action Plan Update? Why?

i dont have time to read a 140 page document

Q4

What about the adopted Climate Action Plan would you like to see changed in the Climate Action Plan Update? Why?

please provide a 1 or 2 page snapshot for residents to skim

Q5

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean transportation? Why?

create corridors that reduce lanes for cars and increase lanes dedicated for pedestrians and bicyclists

Q6

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean energy? Why?

continue rolling out solar panels as cover for parks, parking, etc to create shade and generate energy

Q7

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean water and wastewater? Why?

continue to invest in new technologies for water and wastewater treatment

Q8

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean solid waste? Why?

lead by example with organics recycling, and make it very easy for residents and businesses to participate in the 3 bin system. Many business still only have 1 trash can, unbelievable. Please step up enforcement of the 3 bin system.

Q9

What can the city do to make sure the benefits of climate action are felt equitably in Carlsbad?

do NOT offer rebates or incentives for residents to buy or upgrade cars, solar, battery storage, etc. This only benefits those that can afford these things in the first place! Leave these programs up to the state and federal level.

Q10

What other actions could the city prioritize to reduce greenhouse gas emissions in Carlsbad?

focus on where vehicle idling is taking place the most, and start to look at how capital infrastructure and enforcement can reduce this idling (areas of congested traffic, school pickup and drop off, etc).

Q11

Respondent skipped this question

If you would like to stay informed on the Climate Action Plan Update, please provide your contact information below.

#12

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Monday, May 16, 2022 4:30:09 PM
Last Modified: Monday, May 16, 2022 4:52:26 PM
Time Spent: 00:22:16
IP Address: 76.171.176.132

Page 1

Q1

What does climate action mean to you?

To C3, climate action means taking a stand against climate change and harmful laws that impact the environment.

Q2

What climate change impacts are you more concerned about? Please rank in order from most concerned to least concerned.

Sea level rise	1
Extreme heat and heat waves	2
Wildfire and wildfire smoke	3
Storm events and flooding	6
Drought	4
Other	5

Q3

What about the adopted Climate Action Plan is important to keep in the Climate Action Plan Update? Why?

I think step 5, "Implementation, Monitoring and Reporting", will be the most important thing to keep in the CAP update. We think that limiting and enforcing these rules will help keep environmental law structured and encourage eco-friendly action.

Q4

Respondent skipped this question

What about the adopted Climate Action Plan would you like to see changed in the Climate Action Plan Update? Why?

Q5

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean transportation? Why?

To further promote clean transportation, the city should prioritize the utilization and popularity of public transportation, as well as implementing solar powered/electric busses and vehicles.

Q6

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean energy? Why?

Action 5 will ensure that the public will shift to eco-friendly living, as long as there is a reward/punishment for not cooperating.

Q7

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean water and wastewater? Why?

4.11, this ensures improvements on the utilization of clean water and other water systems within the city.

Q8

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean solid waste? Why?

5.2.4 Solid Waste, this is jaw dropping, the projected growth of emissions and water use based off of solid waste growth.

Q9

What can the city do to make sure the benefits of climate action are felt equitably in Carlsbad?

Ask citizens within the community how this would impact their daily lives.

Q10

Respondent skipped this question

What other actions could the city prioritize to reduce greenhouse gas emissions in Carlsbad?

Q11

If you would like to stay informed on the Climate Action Plan Update, please provide your contact information below.

Name

Zoe Goldstein

E-Mail

[REDACTED]

Organization

Carlsbad Cleanup Crew (C3)

#13

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Tuesday, May 17, 2022 2:47:48 PM
Last Modified: Tuesday, May 17, 2022 2:58:44 PM
Time Spent: 00:10:55
IP Address: 108.249.108.108

Page 1

Q1

What does climate action mean to you?

Taking responsibility for improving our environment and reducing pollution

Q2

What climate change impacts are you more concerned about? Please rank in order from most concerned to least concerned.

Sea level rise	4
Extreme heat and heat waves	2
Wildfire and wildfire smoke	1
Storm events and flooding	3
Drought	5
Other	6

Q3

What about the adopted Climate Action Plan is important to keep in the Climate Action Plan Update? Why?

Reduction of GHGs in general, ZEVs, solar panels, renewable energy -- we need to keep everything in the plan and do more also.

Q4

What about the adopted Climate Action Plan would you like to see changed in the Climate Action Plan Update? Why?

I would like to add to the plan. Zero waste, EV chargers and solar carports everywhere, city-owned solar farms, conservation efforts, phasing out natural gas and focusing on all-electric with renewable sources.

Q5

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean transportation? Why?

EV chargers in all city parking lots!

Q6

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean energy? Why?

Solar panels on all city buildings and a city owned solar farm.

Q7

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean water and wastewater? Why?

Recycled drinking water.

Q8

What is the top action the city should prioritize in the Climate Action Plan Update to further promote clean solid waste? Why?

More community events to collect toxic waste like paint cans and electronics.

Q9

What can the city do to make sure the benefits of climate action are felt equitably in Carlsbad?

Education events, subsidies for low income households.

Q10

What other actions could the city prioritize to reduce greenhouse gas emissions in Carlsbad?

Move to 100 percent electric and use only renewable energy sources.

Q11

Respondent skipped this question

If you would like to stay informed on the Climate Action Plan Update, please provide your contact information below.

Appendix D – 5-Year Strategic Plan

. Input collected during the city’s 5-Year Strategic Plan (March 2022) related to “Sustainability and Natural Environment” was considered and incorporated by the city as part of the CAP Update. Related input from February 1, 2022 virtual workshop, online ideas wall, and online survey are all included in the subsequent pages.

Ideas wall comments – Environment tag

Save some of our beautiful open space.

"Work toward having a park within a half mile of all residences. Increase our park ratio to better than 3 acres/1000 residents. Neighboring cities have better ratios than Carlsbad.

Improve bike lane safety - use green paint to highlight the bike lanes."

First, create a sustainability commission to champion real change. Second, strengthen our Climate Action Plan to include a 100% clean energy target by 2035. Also in our CAP, develop stronger measures to decrease GHG emissions from transportation and increase measures for aggressive building electrification ordinances. Third, actually hit our goal of 40% open space that doesn't include locked school grounds.

It is extremely concerning to see how the homeless situation has not been successfully addressed. It is not safe for those individuals who are homeless and it isn't safe for residents. The trash that they generate is unacceptable...so where is our concern for the environment. Carlsbad...we need to do better. View the Village from a visitor arriving to our city at the train station...met by homeless individuals sleeping on the ground and on the benches. Carts obstructing sidewalks...

Making sure the County respects the community that is most effected environmentally by Airport pollution.

Yes, Carlsbad should create a mulch facility offering free mulch to residents. This will help reduce water use and the cost of sending all the clean green somewhere else.

An outdoor amphitheater (think smaller version of Rady Shell) on the current site of the Encina Power Plant. It can be designed with an integrated park system, underground parking and an outdoor museum covering the history of Carlsbad. It would be a community gathering space and generate revenue for the city by hosting outdoor concerts and plays. It can be designed to be environmentally sustainable with solar and wind power to reflect the future of renewable energy while recognizing the past.

Bring back and expand the summer concerts at the park (when safe to do so). Maybe expand to other venues. They're a great, unique way to gather in nature and have some fun as a community.

More affordable EV chargers (free is great too). Chargers at some locations are inflated or charge by the time rather than the electricity used.

Don't tear up beautiful green space to build high density, low income housing units. Build in high traffic areas that are already paved and unused -- like the huge, unused parking lot at the western end of the Carlsbad mall that is conveniently near employment and public transportation.

We should follow Oceanside's lead and make changes needed to reduce or eliminate train honking. The homeless problem really needs to be addressed. I don't feel safe using the bike path for morning runs because it's lined by people sleeping on it. All crosswalks should have a delay to give pedestrians a head start when the light turns green. This provides better visibility. At Tamarack and Adams I regularly almost get run over when I have the walk sign. Speed limit for e-bikes.

Wildlife corridors maintained

Maintain/create open spaces and green belts. Require developer to maintain pedestrian access [foot or bicycle] via easements or similar such that people can walk, jog and cycle throughout the city limits. As applicable when restriping roads place the fog line at the standard/design width from the centerline versus

Ideas wall comments – Environment tag

placing it on the edge of pavement. On roads where the gradient exceeds 3% [and were applicable shift the centerline [as allowed] to hold lane widths to min. standard for DH traffic

Coastal South Carlsbad (ponto area) needs a community gathering area with restaurants, shops, coffee shops, and enhanced parks and open space. Not big hotels and massive condo developments

Create trails for residents to walk/hike/bike the south side of Agua Hedionda Lagoon. There is currently no access besides a very short trail near the nature center. So much missed potential there!

Not much anymore. The beautiful beaches, with free public parking. Trails, parks and open space. The historic Village and Barrio (but that's being ruined by gross height and pathetic density of over development).

We need a true coastal park in south Carlsbad for the thousands of residents who cannot walk to one, plus all of 92009 and 92011 residents who have No Coastal Parks. With Sea level rise and bluff erosion, it doesn't make environmental or economic \$ense to reroute South Carlsbad Blvd. Why invest potentially \$70 million for a miles long "walk way" along the PCH/101 while the bluffs are so unstable. Wouldn't it cost 1/2 to buy land on the east side of 101 instead of building more condos there?

"Change the way one pays for electric energy delivery. Right now it is tied to consumption, but that is not fair. Delivery should be a fixed monthly fee, much like water, based upon the panel size. Easier to calculate too.

Require SDG&E to provide the annual cost of maintaining the distribution system. Pay that plus their 10% guaranteed profit. That amount, divided by the sum of all panels (in Amps). A customer's bill panel size times cost per Amp This is how the distribution is designed."

The problem with a trail from the Batiquitos to the coast is litter and people wandering onto the trails, just loitering and littering and not even knowing anything about the lagoon and how it strives to stay nice for walkers, hikers, runners etc. People would wander in from the beach and come to the nature center and leave all their sand and trash there! The volunteers strive to keep that place clean every day of the week. Coastal access to the Batiquitos is a BAD IDEA!!!!

Homelessness. We need to take it more seriously and address it as a rapidly emerging crisis. This can cost the city in the near future if left unattended. If you closely watched the effect of Vista's laissez faire policy in tackling homelessness you will know that it led to substantial increase in violent crimes, sanitation issues and created an unfriendly environment for residents and effected desirability of the area

More green space. Quieter environment. Walking paths. Enhance downtown area with better shops, restaurants, pedestrian walkways without vehicles, outdoor eating spaces. Look at other north county cities like Solana Beach, Encinitas as they revitalize there parkways, services, restaurants, etc. Cut down on local street speeding with more enforcement. More visibility of police.

Gee, that's funny. The US Energy Information Administration gov't agency says that "Natural gas is a relatively clean burning fossil fuel" and we do see many buses that tout that they are utilizing "clean burning natural gas." Can't wait to see how clean the environment gets when all the Prius and Tesla batteries hit the landfills!

We need more community gardens in Carlsbad. The waiting list is over a year. We should be promoting sustainable lifestyles in Carlsbad. Growing our own gardens and eating local goods.

Ideas wall comments – Environment tag

WM is a company that is committed to sustainability. There is no other company in the industry like this. Please stay with WM.

From what I have seen, most of the development in the Village area has NOT contributed to the charm. Think of these structures: Five story grey and dark green ugly mess at State and Oak, 800 Grand, the new building going up near the Grand Grill, new structures going up near Madison and Oak, and let's not forget the prison-like structure right off the freeway on CVD that looks nothing like the renderings.

The Maintenance of parks, streets and common areas I consider important as well as keeping a rural feeling in the communities. Community gardens would be wonderful. Support for youth and senior centers will help to strengthen moral especially after this pandemic passes, hopefully.

"Carlsbad has a unique vibe. Please resist the temptation to "modernize" and build a generic looking west coast beach city like you'd see in Orange County. Those cities already exist, and we can drive to them. We don't need another.

Keep building small. Take the time the time to put better building design requirements in place to keep the vibe we have, and enforce it.

Keep the open space, we lose more every year. There are already plenty of concrete paradises along the west coast."

Carlsbad is attractive because of the open space/natural beauty, relatively low crime rate and good schools. Stop doing things that take away from our competitive strengths, such as building more strip malls with big box stores, tearing up open space for more development and permitting the homeless to take over downtown, urinating in public spaces and increasing crime. Build on our strengths, don't tear them down!

I agree! Our open spaces need to be protected. They add so much to our quality of life and preserve the native plants and wildlife.

Less greenhouse gas emissions, and a reduction of noise and smog pollution from landscaping crews who could be sparing a lot more of shade and green canopy that would protect us from skin cancer. In the future, I hope to not have to drive the vehicle 14 extra miles a day to get a child to school because it is unnecessary when there are plenty of schools much closer. Hopefully the redistricting will figure this out so that we have less cars on the road and more exercise for our families.

Agreed. We do not need more building growth; maintaining and expanding parks, trails, gardens and open space will help keep Carlsbad green and livable.

With covid, we have lost businesses. There is a glut of developed commercial space available, which lowers property values. Carlsbad is attractive because of its natural, open spaces. Owners clear and destroy habitat to make the property more attractive to developers. Please consider the following measures to maintain our unique open spaces 1. Moratorium on clearing open land until plans are approved and tenants have been secured. 2. Incentivize redevelopment of already developed properties.

Ideas wall comments – Environment tag

Public greenspace or a community park should be the priority reuse for the power plant area. Development of beachfront hotels and significantly underused commercial office space, may add to city tax revenues, but benefit a very small number of people -many of whom are not even Carlsbad residents.

Less development, more nature areas to enjoy

Let's complete the relocation of Coast Hwy, moving it off the coast a bit and develop that area into a green belt, parking and beach access.

"With COVID, and more folks using fast food in a frustrated environment, there is a lot more litter being thrown from cars out onto roadways than there was 2 years ago. The trash is a blight on our neighborhood.

Community volunteers have been addressing this throughout the Pandemic, but more support from the City would help.

All sidewalks should have trash cans strategically placed. There are some now, but we need more, especially near shopping centers where fast food is sold."

Despite its clean-sounding name, natural gas is a major contributor to the climate crisis. It is made mostly of methane, a greenhouse gas more than 80 times more potent than carbon-dioxide in the short term. This potent gas comes from fracking fields distant from where we live, leaking into our atmosphere all along the way. Adding more infrastructure is merely adding to what will become stranded infrastructure in the near future. Clean renewable electrification of our buildings is the future.

"Please protect our open spaces. Once gone, they will be difficult to replace. They add value to our lives, preserve native species, encourage exercise and mental health, and set us apart from LA concrete communities.

Promote organizations like Preserve Calavera for opportunities to volunteer to help maintain these spaces. Organize clean up events for our high schoolers, who need volunteer hours anyway, to get outside, pick up trash, plant, weed, etc."

I agree with this insight. It is environmentally insensitive to have traffic lights stop a long line of cars so that one car can turn right.

"I would love to see upgrades to Poinsettia Avenue between Paseo Del Norte and the beach. It would be nice to have better landscaping and charm for pedestrians.

Change the cheap hotels off Poinsettia avenue into more expensive boutique hotels. Some of the patrons of these current hotels cause crime to the local neighborhoods

Keep up the great work on the school system.

Minimize generic, production build home and chain restaurants. Welcome more, art, nature and charm."

"School Busses. California is the only state that doesn't have school busses....and California claims to be environmentally conscious! The polluting fuel emissions at school opening and closing times are detrimental to the quality of air. Idling cars spew out highly toxic gasses. The inconvenience to parents to find transportation for their children is outrageous.

Carlsbad: be different. Lobby the state and/or the Unified District for school busses."

More open spaces more cultural art events like the independent film series at the Schulman theatre. More pickle ball courts, increased free large & hazardous waste pick up. Resurface streets, stop permitting large multi level buildings utilizing entire lots down town Carlsbad. These buildings are ruining the Carlsbad Village look and feel! Close down State street to pedestrian only, increase parking by demoing some old, run down residential units.

Carlsbad is an awesome place to live. Unfortunately, the environment is suffering because of it. It is time to put the environment first. We need to take a tough stand on climate change. To start, we can protect open space by building parks, walking trails, bike trails, and nature centers especially along our coast. Preserving the little open space that is still left in South Carlsbad for all to enjoy. We can set an example for other cities and preserve this great place for future generations.

A significant contributor to quality of life is an environment that is devoid of excessive, sustained, and loud noise. After 2017, two flight schools moved into Palomar Airport. Prop powered general aviation aircraft are far louder than automobiles. No pilot flies without a headset because the noise makes it otherwise impossible to communicate with the ground or other pilots. I prefer jets to prop planes because jets fly fast, high, and quickly out of the airspace, prop planes do not.

Carlsbad has done an excellent job and keeping and maintaining its open spaces throughout the City. Expansion of purple pipe options would be great. And if the City could find ways to encourage businesses and residential owners to go solar, that would be helpful. Enforcing recycling options within businesses is needed as well.

"I applaud the use of roundabouts as a way to reduce stop signs and accompanying pollution by cars, idling and accelerating from a start. These would be particularly appropriate in the Barrio along Roosevelt street.

Encourage the installation of more charging stations around the city for electric cars.

Question for anybody: would having bicycle charging stations for e-bikes encourage people to ride bikes? Needed or not needed? In front of or sponsored by businesses working with the city?"

"Carlsbad has a unique vibe. Please resist the temptation to "modernize" and build a generic looking west coast beach city like you'd see in Orange County. Those cities already exist, and we can drive to them. We don't need another.

Keep buildings small. Take the time the time to put better building design requirements in place to keep the vibe we have, and enforce it.

Keep the open space, we lose more every year. There are already plenty of concrete paradises along the west coast."

Ideas wall comments – Environment tag

This is spot on. Build up the LOCAL economic ecosystem of Carlsbad with a range of diverse businesses....it's the bedrock of a sustainable and vibrant community. Perhaps turbo charging support with, for, and through the Carlsbad Chamber of Commerce who know this subject through and through.

New development should be low rise, preferably 2-3 stories. re-development led by businesses like campfire, Handels, the village theatre, and even the new Taco themed restaurant which occupies fairly unique architecture are enjoyable. The rows of green condominiums/townhouses at the North end of State street detract from the village feel. It is simply adding to parking challenges for the locals who visit the businesses.

I like how Irvine, CA made use of the open space running alongside the train tracks and electric grids to create biking and pedestrian paths surrounded by easily maintained wilderness...not sure if we have any of that kind of space here in Carlsbad anymore.

Open space - no more building

What a fascinating idea...there are parts of where the only greenbelt is sandwiched between both lanes. Fascinating idea.

Yes, please, to more electric charging stations, definitely for cars...there are only 2 charge ports in the village!

Use native plants in landscaping projects to reflect and maintain the historic, natural beauty and charm of our beachside community and support a healthy natural environment for all to enjoy for years to come. Seek advice from local San Diego native plants specialists to provide input for design and local plant choices. The San Diego Native Plant Society is a good resource for referrals, as well as Moosa Creek Nursery, Native West Nursery and other native growers in San Diego County.

Stay the course. Carlsbad is a jewel, let's keep it that way. Continue to focus on safety, no graffiti, don't encourage homelessness, attract innovative businesses, balance growth vs green space.

"Retain the green spaces and parks that already exist.

Limit development that would destroy green spaces.

Develop a composting facility and encourage composting.

Outlaw Ready Roundup."

Poinsettia Community Park Pickleball venue is the new Carlsbad family and friends community gathering place. It offers a fun, safe and recreational environment for all ages.

Better bike lanes for commuting and safety for all the road and e-bikes driven all over the city. Safer bike lanes would help encourage more people to use them to run errands, travel throughout the city and reduce green house emissions to help protect our environment. Bike lanes created away from roads with their own paths into the interior that provide paths from neighbors safely to other neighborhoods and businesses would encourage more travel and healthier lifestyles.

Invest in public services at the beaches and parks including bathrooms, not portable toilets that are not maintained. Improve Carlsbad Village Drive and highway 5 access areas. Continue to bring in local businesses to enrich downtown area. Maintain open spaces and create more safe, accessible trails for the public.

Ideas wall comments – Environment tag

Many newer residents are not aware that there is a master plan voted in place with a copious amount of open space required. I think this was put in place in late 80's. It has been followed and you are witnessing the last little bits being filled in!

We need a public Bocce Ball Court in Carlsbad. (I don't know of any in Carlsbad, only perhaps in private housing areas.) Encinitas has a public court. Carlsbad is big and affluent enough to afford a Bocce court. I think the ideal place would be Holiday Park as it is nice and flat and has lots of open space. It would be relatively easy and inexpensive to build it there.

"The abundance of open space was one factor I considered when moving to North County 25 years ago. It is definitely disappearing and being replaced with more homes. Limiting growth would ensure our home values are protected, however, the double edge sword of increasing property taxes keeps cutting into our wallets.

And honestly, how many more businesses / shopping centers do we need? I was glad when the Strawberry Field shopping center was defeated. The fields are a regional treasure."

Please recognize, appreciate, and support our public safety and law enforcement. It is too easy to lose sight/misunderstand/take for granted what our police department does for our community 24/7. Especially in today's environment we have to explicitly communicate this value so it doesn't get lost in the destructive narrative. Let's commit and recommit to supporting these services in our community. Carlsbad is attractive and safe because of our law enforcement. Let's make it known and clear.

Why? Progressives hammer us every day about global warming on TV, radio and print. Carlsbad doesn't need to get involved. We know already. Maybe when we buy an electric car in 2030.

I love the Eucalyptus trees. They are part of Carlsbad's history. They are one of the reasons I moved here. The tall, flowing trees are home to many species of hawks, owls and birds. A healthy population of raptors and other native wildlife is a sign of a healthy ecosystem, such as opossums, raptors, rattle snakes. Why would anyone want to destroy natural life and beauty? We are so fortunate to have these trees cleaning our air and providing habitat for so many creatures throughout our city.

Protect the village, no more 4+ story buildings in the area and please none East of the 5. If people want to live in a dense, crowded, heavily trafficked area then can move to Orange County or Los Angeles. Protect the small town feel and protect the remaining open space.

The power poles and lines are an eyesore, an environmental threat, and a danger in high winds in North Carlsbad, especially along Chestnut neighborhoods where every view has wires hanging. Residents have been paying on their utility bills to put the utility lines underground for years. The plan was in place when I purchased my home 20 years ago. The road was recently dug up to put 5G underground by corporate interests. Why not utilities?

I wonder if the change in flight path coincided with when the 2 flight schools opened at the airport. Were the needs of these businesses to save fuel put above the safety of Carlsbad residents and the environmental impacts? It's easy for officials to shrug and say flight path is out of our control (determined by FAA), but are they asking why changes were made and advocating for safety of neighboring residential? Does there need to be an El Cajon-type crash for changes to be made?

Ideas wall comments – Environment tag

It's easy for officials to shrug and say, out of our hands... but are they advocating for resident safety and environmental impacts? Do they question why flight path changed to climb dangerously low (and loud) over residential areas? Did the flight path change to accommodate fuel efficiency of flight school businesses over noise/air pollution and safety of families living below? Are they waiting to El Cajon-type crash before changes are made/addressed?

We need native landscape. 90% of native wildlife has been destroyed by development; 90% of wildlife can only survive on native landscapes, so wildlife cannot survive without native landscape revival.

Great point! So challenging in a state (and now our County board) that is very business unfriendly. Vista is an example of a local city that has done a great job doing as much as possible to be as accessible and friendly to business as possible to help offset the negative state/county environment. Maybe we replicate Vista. I also think we could attract Bay Area firms to relocate here.

Yes! And more allotted space for community gardens and their security. The wait lists are LONG. So many residents are interested. If Carlsbad insists on incentivizing monstrous condos to maximize taxable property, sacrificing family oriented homes with a bit of plot for growing, then let's preserve more community oriented property along the way.

There used to be a wonderful wildlife rehab center that closed, we really need someplace like that again. It was a great benefit to our community and very educational to our kids.

"Homeless prevention and rehousing.

Carlsbad needs a robust 5 year strategy that is focused on helping prevent individuals become homeless and support those who are to get access to care, medication as well as reasonable "housing".

There are many cities around the world engaging in innovative solutions.

Establish a clear path forward over the next 5 years based on the following 3 priorities: Health/ wellness ;Safe shelters; Economic sustainability (incentivize business community partnerships)"

Single family homes with 10' spacing on the sides is a "joke". Combine the "green" expectations by creating 10- 30 story within 3 blocks of the stations with adjacent green space. There is no way we can have affordable housing with current growth in population. Sure, have an area of "historic" homes but let's get real - we don't have "Olde Carlsbad" anymore. A green future doesn't include 40minute commutes, one person per car.

Quality of travel within the City would improve if the traffic signaling was improved. We often sit at red lights when there is no other vehicles in the other parts of the intersection. Lights turn green for turning into schools when no one is in the turning lane or it's a weekend. Lights turn green out of shopping centers (the Forum) at 6am and hold up those traveling along the roads. Something needs to be done so we are not stopping at a red light every time we approach an intersection.

Get the drugged out homeless junkies out of the village. Most of them are not just "unhomed," but are on the new meth. This drug is very dangerous and causes the user to become violent. They all hang out directly across from Status Skate shop where kids go to spend time. My son's soccer practice had to be moved from Pine park due to these people harassing kids and parents. They also are in the Smart and Final lot and yell at people. This has created a very unsafe environment for our community.

Ideas wall comments – Environment tag

Cbad is a unique combination of a coastal relaxed vibe and a vibrant economic city. It is important to me that we not be seen as elitist or only one dimensional. I have lived here since 1984. Despite my groaning over the incredible growth I've witnessed (I think the population was close to 45k in 1984!), I can now appreciate the excellent planning and decision making over the past 4 decades. It's all about balance - between the residents, tourists, businesses and environment.

When I think of Carlsbad I think of the beaches, lagoons, excellent schools and great parks. It's a great place to raise a family with a mostly small town feel still hanging on. Most cities don't have gems like Calavera open space, the campgrounds/ponto area, strawberry and flower fields. These places need to be considered part of the fabric of our community with no possibility of development. Would love to see a park that exists near the beach like other cities have...see San Clemente.

Buy the power plant property and turn it into the most amazing beachside park. Open up the south side of Calavera to mountain biking and purchase any available land. This area is a hidden open space gem. Connect trails-we could have 30-50 miles of connected trails instead of short 1-2 mile trails everywhere. It would be great to see a bike park in Carlsbad. Not sure why our city seems to dislike mountain bikers but every other progressive cool city seems to embrace and work together.

Hold onto the 'family-friendly beach village' feel of our town. For instance: 1) do not allow new construction of buildings with more than 3 stories. 2) Make the town as pedestrian-friendly as possible. 3) Create more hiking trails in the open spaces. 4) Protect the historic Barrio and its original character.

While I also want parks and open space here, the Mall is already there - so let's make it an attraction not an eye sore. The UTC open-air mall would be a good model to follow - allowing for lots of friendly spots to commune.

"Smerdu Community Garden suffers from poor security. Tools and harvests are stolen. Creepy people lurk. Parks and Recreation needs to install adequate perimeter fencing and change the gate code regularly.

There are hundreds of Carlsbad residents on the waiting list for a community garden plot. We need more community gardens and more responsive P&R staff willing to enforce non-compliance issues that deprive others from a garden plot."

We need more community gardens! The wait list is 300+, condos and apartments without yards or personal plots are going up like gangbusters, and finances are tight for service and retail level workers whom may otherwise not be able to allocate their pay toward the skyrocketing prices of ORGANIC and HEALTHY food. Lets forego a condo complex or two. The gardens really are one of the best health oriented things that a city can do for its residences ;) Keep new buildings to a 2 story maximum.

The 40% open space the city likes to brag about includes all the acreage of the three lagoons in the city. Remove all of that acreage and our open space drops to less than 1/2 this percentage. A more rational standard is the amount of park acreage in a community with a suggested standard of 5 acres per 1,000 population with golf courses excluded from the definition of park acreage. This is the acreage that ALL the citizens can enjoy.

This proposal does not go far enough as it relates only to community gardens. The more dense housing created in the city the less private open space per person there will be. We are already short on needed

Ideas wall comments – Environment tag

neighborhood parks, especially in the southwest section of the city which has no parks west of I-5 as opposed to almost 35 acres of parks north of Cannon Road west of I-5. And this SW section is the most densely populated quadrant in the city already. Such parks could include these gardens.

I think is preferable that any new community gardens not be set inside of parks as the garden at Pine ST. is but in a less obvious space, as that garden is routinely vandalized and robbed by loiterers.

"We love Carlsbad Village, all the beautiful home developments and the proximity to the beach. Carlsbad seems to have had a good strategic plan for years.

The areas along 101, where the bluff is dangerously falling are of a big concern. The abandoned old State highway along Highway 101, bordering South Carlsbad State Beach, could be cleaned up and turned into a green area or parking for beach access. It would be a start before the drastic project of moving Highway 101 East is planned."

The train tracks gone? Lol. Moved underground, possibly. The train was here when we were a tiny village. Like wildlife, it was here first. It is a vital corridor.

Regarding energy... Please do not make the same mistake Encinitas made, and disallow natural gas as an energy source for residents and businesses alike. Nothing is more economical, and it's clean !! The energy myopia is irresponsible, and we will suffer terribly if it continues. Losing San Onofre was dumb..and the blackouts will only increase. Don't follow Europe's example. Germany has reworked their building codes after their green initiatives failed. There are successes, but huge costs.

40% open space was a good goal 40 years ago. It is even more important today. It was one more way Carlsbad can be a regional leader, protect its one unique character and preserve the biodiversity of our area.

Carlsbad to consider an annual beach parking pass similar to Oceanside for all Beaches. The revenue could support lifeguards/police/parks and rec. and the environmental impact brought by tourists and debris they leave. And residents could benefit as well from a 50% reduction in the annual pass. \$100 for residents \$200 for non-city residents. Or an \$10 day pass or \$40 week pass. It would clean up the graffiti on the sea wall and keep the beach clean. Separate from a State Park Pass.

"Create a Spare the Air Program (like BAAQMD's) for days when air quality is expected to be unhealthy, to educate residents about air pollution, & to encourage actions to improve air quality. When particulate matter levels are forecast to be high, issue a Spare the Air Alert, making wood burning illegal.

Asks residents to reduce pollution by taking transit, driving less, reducing energy consumption at home, and making many other daily choices that improve air quality.

See SpareTheAir dot org"

Yes. Plant low-pollen trees, and develop pollen-control statutes/ordinances to avoid triggering allergies or asthma -- per 2021 USDA Forest Service paper "Variations in urban forest allergy potential among cities and land uses" https://www.fs.fed.us/nrs/pubs/jrnl/2021/nrs_2021_nowak_001.pdf and <https://blogs.scientificamerican.com/guest-blog/botanical-sexism-cultivates-home-grown-allergies/>

For bicyclists, crossing major intersections such as El Camino Real & La Costa Ave needs to be safer. Given busy intersections on El Camino Real and on La Costa Ave, for example, how can bicyclists safely ride

Ideas wall comments – Environment tag

to Alga Norte Community Park from Calle Barcelona (La Costa Valley area)? Unfortunately, safest choice is to drive a car (contributing to greenhouse gas) rather than riding a bike.

"**Less concrete more trees; make a requirement, for x amount of building development you have to plant x amount of trees with it, they are our natural carbon reducers.

A dog beach. Maybe near the campgrounds. People who like to camp are probably the same kind of people who like to bring their dog to enjoy the beach too. Real dog parks with grass, and not under power lines.

City-organized each cleanups, park cleanups, etc.

A downtown community garden."

"I think Carlsbad's economic vitality is just fine. But maybe we can focus on trying to fill the empty commercial buildings around the airport with some GOOD businesses. B Certified ones. And have solar and EV charging stations everywhere. How about a seaweed farm. You know, focusing on business that's also good for the environment.

Also more trees."

Other Calif cities like Palo Alto offer a regional solar group-buy program administered by Business Council on Climate Change (BC3) offering 10% - 15% discounts on residential solar and battery storage. Their webinars teach residents about solar & battery electric storage, provide sample pricing for several standard types of installations, and provide an online solar calculator tool that takes into account your address and your energy bills to estimate possible savings.

Develop pollen-control statutes/ordinances to avoid triggering allergies or asthma. Refer to 2021 USDA Forest Service paper "Variations in urban forest allergy potential among cities and land uses" by Nowak and Ogren. Plant low-pollen trees and landscaping, preferably native and drought-tolerant appropriate for our climate. Eliminate acacia trees (high pollen self-sowing trees) growing in urban/rural (e.g. La Costa Canyon) interface. Prevent exotic escape of pollen-producing trees & plants.

Actively educate and engage residents on sustainability focus areas: electrification, mobility (Reducing the carbon intensity of fuels, Increasing vehicle efficiency, Reducing vehicle miles travelled (VMT)), EV adoption, water, reduce green house gas, sustain natural environment, zero waste. Hold educational webinars & hands-on workshops to engage residents to work towards sustainability.

"HOMETOWN PERSONALITY -IDENTITY, PRIDE & SPIRIT

Imagine Cbad believes these community traits are built on a number of factors, all important to those of us who call Cbad our home town.

We believe a strong sense of place is one important factor. Not only the natural character but also the man made character, the physicality of our environment. It starts with your home, your street, neighborhood, community your town. We say we want Beach Town character, IC is proposing a few more on GP"

I totally understand the lowering of the tracks, BUT I think we should either tunnel (I got no response from Elon Musk's Tunnel Company) or "bury" the tracks by utilizing prefab concrete side walls and a prefab lid, all covered by dirt. This would create a phenomenal open space instead of having a giant canyon cutting the City in half. I contacted a SanDag consultant but it fell on deaf ears.

Virtual workshop

Breakout rooms

Quality of Life & Community Character

1. How do you define these terms? What do they mean to you?
2. Five years from now, how will you know this has been successful?

Environmental Sustainability

1. What would you like the City Council to consider when it comes to **environmental sustainability**?
2. What are some of the key issues or challenges the city should focus on?
3. Five years from now, how will you know this has been successful?

Natural Environment

1. What would you like the City Council to consider when it comes to the natural environment?
2. What are some of the key issues or challenges the city should focus on?
3. Five years from now, how will you know this has been successful?

Carlsbad's Coastline

1. What would you like the City Council to consider when it comes to Carlsbad's coastline?
2. What are some of the key issues or challenges the city should focus on?
3. Five years from now, how will you know this has been successful?
4. What do you enjoy most about the coastline today?
5. What would make the coastline even better?

Keeping Our Community Safe

1. What would you like the City Council to consider when it comes to keeping our community safe?
2. What are some of the key issues or challenges the city should focus on?
3. Five years from now, how will you know this has been successful?

Other Topics

1. What would you like the City Council to consider when it comes to other topics that are important to you that were not listed?

City Council 5-Year Strategic Plan Feb. 1, 2022, Workshop Notes

Breakout room name: Quality of Life & Community Character (group 1)

Number of participants: 15

Quality of life and community character

How do you define these terms? What do they mean to you?

- Walkability and community that combines people together in the community together in different activities, comm engagement opportunity, common events
- Cover train issue, train noise
- Friend in Oceanside, put silent horns there, so much better, relatively close couple of blocks
- Trenching have not heard anything recently
- Lived in Highland before, now by Carlsbad by the Sea, small village feel going away, putting up 3-4 stories condos right off village, what do they see now, ruining town, barrio chopping down little houses
- Noise pollution, love to see in your home, hear outside noise, love to see us do what Encinitas did with those leaf blowers, city has made electric and quiet at night, leaf blowers are biggest polluters, can smell the grass, see Carlsbad do what Encinitas did, require all gardeners to use electric leaf blowers
- Noise from traffic, off Calle Barcelona and RSF, seems since pandemic that noise has gotten so much worse, not sure if home more, love to see traffic calming or enforcement of speeding, mufflers, motorcycle racing – would contribute to QOL
- Especially in village and barrio, have sidewalks and amenities to walk to, positive for QOL, walkability to schools, groceries, pharmacy and beach, concerned with historic preservation and acknowledgement, no historic list to preserve our buildings, Magee Park, station, those not under park supervision, private with character is up for grabs, new housing element, need list and Mills Act, historic is part of character, need definition of community character, been looking for years, would help us grow
- Tossed around the ability of our community to maintain things that are important like the beach, seawall, access, central train station, improve with trenching to enhance safety downtown, our town is defined by center of village, grows beyond that, our own history is part of the Marron history, elements to help define community character, start with historic buildings
- SD alliance with drug free youth, community parents, teens, advocate, La Costa resident, implement tobacco retail licensing program to allow city to limit what the retailers are selling, to limit advertising, displays, fund minor decoy operations so they are not selling to minors, adopt multi-unit housing policy, can't enjoy own home since neighbor is smoking all the time, invest in filters, if smoke-free policy, management can do something, love living in Carlsbad 18 years
- Resident for 6 years with husband, coming from Bay Area hustle and bustle, everyone uptight, here is relaxed, beach vibe, great people, people care for each other, quaintness of

village, not another LA or Orange County or NY where boxes of homes everywhere, some housing buying for Vrbo, not residents, older homes being torn down for high rises, disheartening to shove homes, preserve space, amazing drive from La Costa Ave to see amazing coastal view for QOL

- Resident for last 40 years, before in Oceanside, wouldn't argue with others, elements of QOL, define it – attempt about 10 years ago, Vision Statement, recommend go through that process of refining it once again, garnered quite a bit of community involvement to put it together, came to be a meaningful description of what the community wanted, things have changed, maybe not same priority, but a lot remain same objective of most citizens like #1 core value, small town feel, beach community, connectivity, things have not changed much, survey effort to take existing vision statement and ask what you would change and a good way to start off rather than shotgun
- David G core values reinforced by City Council on website – nine core values, which ones should we focus on, so far same core values remain important
- After 40 years in Carlsbad, still matter to all of us, chose Carlsbad for specific reason, still love it, want a piece of it retained for next generation (Old Carlsbad)
- Having lived in Chicago, NY, came here in 2019, small community life, moved business, bought home here, real estate price explosion, neighbors are selling, flippers are buying, not families moving in, concerned about it, would lose small town feel, shed big city life, don't want to lose what brought me here, noise, leaf blowers, gardening, RSF Rd noticed timing of traffic lights sometimes during the day, red light every single time, people race, dangerous, pedestrians almost get hit, cars almost get hit, QOL, curious, not timing true all the time, not always the same time, sometimes every single time is red (Paz encouraged watching traffic signal presentation during semiannual transportation report on Jan 25 Council meeting for status of signal improvements)
- Ebikes and regulation on ebikes, live in Old Carlsbad, ebikes are everywhere, new technology so they don't need to drive children to school, where do regulations come from, the state, afraid for the children on ebikes, some with surfboards, on traffic lanes, two girls swerving on major street, concern for children, work for children, bike lanes
- Ebikes – cycling a lot, SD Bike Coalition, class is extremely good, city should require reference for smart cycling if they take the class, echo concerns, where appropriate, take the travel lane, noise on leaf blowers, support it, train noise and silencing
- Historical preservation – great place to live, almost 30 years, opportunity, Highland and CVD, old Victorian for sale, city with historical society and preserve in addition to city's other buildings, a lot of funding to restore it
- Reinforce previous comments, two things that terrify me – one is ebikes, can't image slew of children not injured already, no consistency, kids do not have concept of stop signs, getting from parents and others, not particular problem before, last couple of years, blowing off red lights, people gun it into red light, city has taken red lights out, probably because too many complaints, need to bring them back – real threats to QOL
- Red light cameras, against it in Chicago, morass, grift, crime by politicians, please do not bring them back, ECR/Olivenhain still has it, don't punish people and charge \$500, please do not do that instead of solving the problem

5-Year Strategic Plan Workshop Breakout Room Notes

- Not just children on ebikes, not just ebikes, not just traffic enforcement, bicycles on La Costa between ECR and 101, need lighting, use road a lot at night between La Costa and RSF, shut down by sheriff, car and bike accidents, not just cyclists at fault, examine the whole issue, not just blame one thing, we don't have access to all data, make it public so we can all be aware, not enough light on that road, too hard to see, QOL for everybody
- Red light cameras, agree that so much corruption in other cities, will fight to make sure it doesn't happen here, traffic light timing is a big thing every day, not much timed lights, side streets triggering Poinsettia many times, everyone else stops, trigger immediate red, start 60-90 second timer, so one person can come out
- Walkability, coastline, limited walkable boardwalk to Cannon Road, walk in dirt or traffic after that, more sidewalks, more walkable to southern edge of Carlsbad, more accessible, walking dogs, stretch farther
- 10 years from now, quaintness and historic preservation, come from Los Gatos area, smoking, runner along beach, ordinance in LG, outside of buildings couldn't smoke
- Tamarack near drive-thru Starbucks, building across street, for sale for a long time, improve near I-5, improvements around there, a business if possible

What would you like the City Council to consider when it comes to quality of life and community character?

See above

What are some of the key issues or challenges the city should focus on?

See above

Five years from now, how will you know this has been successful?

What will be different?

- Lived here for a decade, originally from Bay Area, LA, with wife, would love more things to do there between triangular park, no desire to go to Dino's or Vigilucci's, no restaurants right here, a few places like that, we are a destination place, resort town, casual or fine dining down there
- Love the area and campgrounds, created a little store on site, great view of entire ocean, buy a glass of wine, beer, feel safer in campground not PCH, maybe trails around that area, safer places
- Fairly involved in housing element, fear going away in 5 years, state is pushing for high density housing along coast and throughout city, fighting the state on this
- In real estate and sell houses, everything is so packed together, no yards anymore, lucky to have balcony, a real park in Ponto, more parks within 10-15 minutes' walk from homes, especially by the beach, keep character of Carlsbad, not another Santa Monica, wall to wall restaurants, towers, environmentally friendly, see the coast, go inland for restaurant, park

5-Year Strategic Plan Workshop Breakout Room Notes

where picnics and things, sea level rise, beach may be less accessible, less in south Carlsbad where we can hang out but not promenade thing, more like real park

- Look at traffic, I-5 is getting more crowded, 101 trying to get to downtown, see consideration before we build anything, ability to get places and parking when they get there, love coast the way it is, see the view and drive, or park and enjoy, relax, nicer park with picnic tables, not so in love with new restaurants, can build them inland
- What would it take to get a frisbee or disc golf course in Carlsbad?

What will stay the same?

- Still see ocean driving on PCH, not buildings, charming to go down to sea, live here 22 years, seen a lot of changes, not all for the better, hope in 5 years we are not a concrete jungle like other cities in SD, cherish the coastline

City Council 5-Year Strategic Plan Feb. 1, 2022, Workshop Notes

Breakout room name: **Quality of Life & Community Character
(Group 2)**

Number of participants total: **12-15**

What would you like the City Council to consider when it comes to Quality of Life and Community Character? What are some of the key issues or challenges the city should focus on?

- Business owner is concerned that we're losing greenspace and the charm that lured her to move here. Concerned about the movement of the homeless that we haven't seen before – it's more prolific. How do we manage the growth so as not to lose what is wonderful about Carlsbad but yet keep a balance?
- Long time resident who lives in the house she was born in, also business owner. She cares about the parks, beach, community services and would like to see those continue to be developed. Husband is disabled – let's make our community accessible to everyone so that people can age in place and enjoy the community.
- Carlsbad is not that accessible. Her roommate is blind she wishes to improve his quality of life. She's concerned about overbuilding and turning the Village into square boxes that aren't attractive. She's concerned about things that don't look like how they were approved. Example is Carlsbad Village Drive west of the freeway on the North side. It looks like a prison. The renderings showed trees, open space, cafes.
- Improve quality of life for the disabled and for those aging. Connecting some of the trails to enjoy Downtown without having to go on the PCH. Some trails don't connect all the way. Pedestrian underpass study at Agua Hedionda lagoon – what happened to that? Ramps for the disabled at the Tamarack parking lot.
- 30-year resident doesn't like to get into the hole of saying that everything was better here before. Yupification of the village – can't say it's not going to happen, but keep involving the community like you're doing. This is a great way to get the pulse of the neighborhood. She applauds the city for that.
- She wants to be able to age in place. Very concerned about transportation. We're better than San Diego, we have opportunities for people who no longer drive to access all of the city. The village is losing its charm. Old Carlsbad fire and safety is great. Kudos.
- He realizes the village will change but wonders why there couldn't be a better architecture design like Del Mar, Santa Barbara. Unfortunately developers here are

5-Year Strategic Plan Workshop Breakout Room Notes

turning it into box by the sea instead of village by the sea. The city is very well run and the employees are amazing. His interaction with employees are great. He's more concerned about the Mayor and City Council. Having more parks to walk and bike to is great instead of parks to drive to.

- Aging and place and access is important. He saw Carlsbad is #2 of top beach communities for retirement in America. That means mobility services are essential in connecting our community with urban sprawl. He would like this group to advocate for aging in place and mobility. Economic development – he's impressed with the vibrant economic ecosystem and he'd like us to capitalize because economics are the foundation of a vibrant community. When we use that foundation we lose the wealth creation that's created and redistributed among our residents.
- Rapid growth of four story buildings that's impacted the village a lot. It impacts the quality of life. The feeling is not what is what. She's worried that small sections on State street will get hit with the same tall buildings, live/work spaces and it will drive out the small quaint businesses. She doesn't know how they'll coexist. Oceanside – that's not quality of life with the growth and the taller buildings. That doesn't help the residents if you catered to those who want to visit. It's happening rapidly and it's very sad to see.
- After a decade of living in Carlsbad, they want to see some more commerce come into the community. More restaurants. There's no commerce at the coast. Let's ditch the campground and put in some decent restaurants. People come here for golf, Legoland, where do they go to eat? We have a lot of open space, we love the beach, but we're not Del Mar. We don't have enough commerce. We should be able to go to a nice restaurant close to home and not have to drive to another coastal community.
- She says we're trying to escape the commerce and commercialism when moving here. She says the coast is our jewel and we can have commerce inland. Many of us don't want to lose that because that's what happened in so many other communities. They have nothing beautiful to look at anymore.
- 28 year residents. They've loved Carlsbad from the moment they moved here. They're not against progress but they don't want the downtown community to turn into just another coastal city. We are unique. We can go get an ocean view restaurant within driving distance. There's plenty to do here. More art would be great. Don't change the coastline in any way. Legoland is a great tourist attraction and we don't see it which is great. New resort in Encinitas – we can't afford that hotel. She doesn't want a high class restaurant on the coast.
- City Council should consider listening to the citizens. Change the planning permission procedures. They can't just check off the reports and then build. The reports aren't valid. Example of Robertson Ranch. Planning should consider how the citizens feel. The city should focus on traffic on El Camino Real. It's getting worse already in the village because of the new boxes. They are so ugly it's a sin. She thinks the city is doing was

much as they possibly can to address homelessness with the tools they have. They can't do any more and people need to stop complaining – instead we need to help. She's really researched what the city is doing and she believes they're doing the best they can do.

Five years from now, how will you know this has been successful?

- Making the construction and architecture cohesive would really improve the village. She still has young people in her home and doesn't want them moving away so she likes that there's growth in the city. To see success is to see forward progress. Streets and underpasses will take time and money but events like this where we can talk and collaborate to disseminate information to someone who can make a difference. We have a great place to live and an really good community. She's impressed at the turnout at this meeting. It feels very positive that the community is concerned for the future.
- She likes the comradery in this meeting. She hopes in 5 years we won't have too much more box housing – instead more aging in place. She'd like to see people outdoors – even disabled. More people outside than in cars. Carlsbad is on the right track for that. There's a big book in cycling and more of us who are aging might be biking but paths need to be safe, they would be appreciated. She'd like some slow traffic bike trails downtown in the village. Enjoy our wonderful city, climate and nature.
- The road quality is disastrous in the City of San Diego. Carlsbad roads are well constructed and maintained and she wants that to stay. She'd like to see a balance in ages. It's important. Our libraries are outstanding. Workshops and programs, foreign film Fridays – wants to see that continue. All the summer programs are a wonderful benefit to all of us.
- The seed library – gave a shout out. The city needs more affordable housing. Affordable does not mean low income. It should be what the average person can afford without spending more than 30% of their income. People's kids won't be able to afford to live here, people can't afford to age in place, disabled people can't afford housing here on lower incomes.
- Barometer of success would be to see small businesses thriving and being attracted to Carlsbad. Businesses that choose Carlsbad because of its vibrant economy and support would be a sign that we're progressing towards a robust economy. To see a multitude of individuals of all physical capacities and ages being supported in our community – not just those that are fit and healthy.
- Compliments to the city. She's very involved, garden plot, walks, enjoys the beach. She hopes in the future that the city keeps an eye on the laws in place. Example, the beach has a curfew that's not really enforced. She sees a lot of overnight camping on city streets, especially in the village. There are simple things that can be done, this really shouldn't occur.

- Concern about coyotes. Near Kelly drive there are packs of coyotes roaming. It's frightening. She's all for relocating them. There are so many canyons around and they are thriving. She'd rather them not eat her dog. Several neighbors have had their dogs snatched right off the leash when out walking.

What will be different?

What will stay the same?

- We have wonderful accessibility to the beach. We can drive right along the beach – miles of precious coastline. The campground is constantly filled to capacity. It makes affordable vacations for families. We have to make things affordable for all income levels. We need to rethink before we start taking things away that have been there for many years.
- The campgrounds are enjoyable as a resident to be able to have that for their families to enjoy when they visit.
- The campgrounds are on state owned land so that won't change. The mall is eventually going to be mixed use housing. The village has a bunch of units they are developing but some of those housing units may be transferred to the mall.
- If we're worried about sea level rise, we certainly can't be building on the bluffs.
- The flower fields are huge for our personality. Staged performances there are hugely successful. It's a great attraction for all ages. Wants to see that stay. Page Break

Quality of life and community character

How do you define these terms? What do they mean to you?

- She'd like to see some way that we could help the city think a little outside the box. People don't want to see the downtown gentrified, but what can we offer as solutions? Instead of complaining about what we don't like. Residents need to participate a little more effectively perhaps than they have in the past. Instead of complaining help to suggest solutions. She's concerned about the homeless but they have a right to live as well. Is there some other way we can accommodate the homeless? Can we think outside the box? Maybe the Sears at the mall – it has utilities, bathrooms, it could be turned over to some kind of housing without reinventing the wheel. Spreading out the burden of how accommodations are allocated throughout the city.
- There's a transit center at the mall. The city owns the parking lot. Great ideas for low income housing. It's a shame that after all of the upgrades that the mall isn't thriving. She's seen these projects in the Midwest where they gave people proper living areas and they became lovely communities. There's a huge opportunity there.

5-Year Strategic Plan Workshop Breakout Room Notes

- Senior housing is going up in the middle of nowhere. How do you get to where you need to go? You need a car. No transit.
- These are tough questions today. This is going to take more thought than these initial discussions. She hopes the conversation will continue. How do we make change? How do we help our officials make the most effective change for the residents? It's a very deep discussion and she's glad it's begun.

City Council 5-Year Strategic Plan Feb. 1, 2022, Workshop Notes

Breakout room name: Environmental Sustainability (Group 1)

What would you like the City Council to consider when it comes to environmental sustainability?

- Trash trucks say they run on natural/clean gas, but there is nothing clean or natural about gas. Trash trucks need to be electric.
- I'm concerned with water quality. I live by the beach and have been picking up trash every day. There is a lot of it. I've picked up 500 to 1,000 lbs of trash in the last year. There are not enough trash cans in the area. It would help if there were more. It was not like this before the pandemic.
- I'd like us to ban gas leaf blowers and lawn mowers. Electric ones are much less noisy. It's a 'low-hanging fruit.' The city could have rebate incentive programs of \$50 for each leaf blower.
- There's something in people's brains that says we can keep putting this off. If the city doesn't get serious about this (going beyond state and federal regulations), who's going to? It needs to be done. We're fortunate because we have the resources to do it.
- Encinitas is far beyond state and federal regulations.
- Electric bikes are wonderful. The Village has to get more and better bike lanes for electric bikes.
- Stanford University has miles of bike paths where no cars are allowed. That would be great.
- Northern CA is way ahead of us because they have a public-owned utility. SDGE is not a public-owned utility.
- State law that says new buildings have to have solar, but there is a minimum of four panels. The law says more panels can be added, but then there has to be a whole new system. The systems are expensive. Solar panels are coming down in price, why are the systems going up in price?
- The utility company has a power plant in Carlsbad. It would be great if the utility company could manage solar repairs for city.
- The city declared a climate emergency three months ago. Let's act like it.
- It would be great to have an electric trolley (e.g., Charlotte, NC).
- There could be incentives for electric cars. Anyone who buys within city would get a rebate from the city.
- I tell people this is the best place in the world to retire because we have unlimited volunteer opportunities. Maybe we could use those resources better if they were better organized or advertised.

5-Year Strategic Plan Workshop Breakout Room Notes

- There's this piece of property on corner of Poinsettia and Avenida Encinas. I'd like it to be part of the trails. I can't get anyone to let me in to clean the trash up. It's a nice piece of property with trees. The people own it, and we should be able to use it.
- I'm very interested in environmental sustainability. I've learned a lot through the city. I think the city is doing a good job training. I like that they're offering rain barrels and classes. Some of the training could be done online or maybe through social media.
- Is the composting working like Encinitas? I have a composting bin from years ago, but the worms are all dried up.
- We do an induction hot plate program. Every third Saturday, will give an induction hot plate to use. It is on the city website.
- Oceanside has a beach erosion program where they'll be adding jetties. Carlsbad said they didn't want to, but they should reconsider it.
- Lagoons need to be dredged on a regular basis to stay healthy. We should be dredging the lagoons more often.
- We were the first city to require water pump water heaters. The ordinance expires in 2023, so it needs to be renewed.
- Carlsbad has a lot of businesses involved in new technology. Maybe they could be involved in making some of this tech more efficient (e.g. solar panels).
- How about retrofitting all municipal buildings with solar panels?
- Ordinances need deadlines, otherwise they have no teeth.
- I love the diversity of Carlsbad.
- One community member said she would not want to give up her gas stove and barbecue.
- All homes should have battery storage. The city should have battery storage, too.
- We shouldn't be relying on massive grids to rely electricity anymore. We should be thinking about mini grids. With the state of the country, I just think it's the way to go. With everyone getting on the internet, they (e.g., some kind of terrorist) could shut down the whole thing.
- About the new garbage rules – maybe the city can provide a special bin to homeowners for raw meat.

Five years from now, how will you know this has been successful?

- Learning how to count GHG emissions. We have to know how to measure. We don't really know how bad the emissions are.

What will be different?

- It will be easier to breathe, especially for people with breathing disorders.
- Making GHG emissions zero in five years. We have the money and resources to fix it.
- Asking for things like electric garbage trucks.
- All city vehicles are slowly going to electric. Replace all city vehicles and make them electric.

What will stay the same?

- I like that Carlsbad is a walkable community. Many cities around here are extremely hilly, and Carlsbad is not. People are always outside here.
- I'm blown away by all of the things the government is doing, like traffic. The planners did an amazing job here (e.g., wide streets).

Environmental sustainability / Climate Action Plan

What would you like us to consider as we are creating this plan?

- No more gas lines being built by developers in new communities or homes. I want this put into the CAP. I have just electrified my home. I have asthma and I need to be careful of gases in the air. It's an important thing for people that have breathing problems to not have gas leaks. Homes should be retrofitted (e.g., changing out water heaters and stoves). Nitrous oxide from methane gas is really terrible for you.
- Emissions from airport don't count in the CAP, but they should. We're in too far of a dire straits situation for that to continue. Airports and gas stations are exempt. There is methane gas coming off of the airport.
- How do we fix that? Should we have airplanes fly over the ocean?
- Put into the CAP: all government buildings have solar panels. Community solar for people who can't have panels on their homes.

What questions does this raise for you?

- What are we planning to do with the funds from Community Choice Energy?

What challenges would these kinds of changes face?

- Will the city have enough electricity to support the new electric vehicles, etc.?
- Will we have enough storage for the electricity we generate all summer long?
- Who will maintain solar panels if we retrofit municipal buildings? Maybe city staff can do it.

City Council 5-Year Strategic Plan Feb. 1, 2022, Workshop Notes

Breakout room name: Environmental sustainability (Group 2)

Number of participants total: 7

What would you like the City Council to consider when it comes to Environmental Sustainability?

Solar Storage

I would like the city to find out what neighborhoods have SDG&E wiring for solar storage capabilities and which do not. This is regarding the CPUC proposed decision regarding electricity rates and the push regarding solar to provide equity and to have solar customers go to storage batteries. Does the program funnel profit to utilities or go to underserved communities. Excellent idea to move to storage batteries. SDG&E indicated that the older part of La Costa neighborhood does not have sufficient availability to support solar storage. Each home would have to pay for wiring. This presents a financial burden to each household.

Natural Gas/methane – One resident not in favor of a ban, others in favor of building electrification and no gas hookups

We've been told that natural gas is a clean fossil fuel, but I'm seeing a trend to push natural gas aside in favor of electric and solar. This concerns me because the USA has a large natural gas reserve. If we outlaw natural gas in homes, we are more vulnerable to global issues.

When we say natural gas, it refers to methane. This would be an educational talking point.

Can you educate the community about solar heat pumps? Southern California is a good climate for a heat pump to reduce natural gas. Electric hot water heater. Carlsbad could consider efficiencies of scale for sustainable heating in developments. (Katie mentioned that there is a suite of requirements for new developments currently.)

Solar Outreach, Education and Promotion

Long time resident, moved into mother's home. Father was on planning commission and mentor to Mayor Matt. I understand Carlsbad has to grow. I have an electric car, and would like to put in solar panels. I would like Carlsbad to have a program for businesses/residents to encourage solar energy. It would be helpful to have an education program to help residents work with SDG&E, etc. The older residents in our community may need a little more help with this. Could the city create a program to bring solar to businesses and residents. Maybe there are a couple solar companies to work with and offer a rebate program of discount using the clout of the city to bring this type of energy to homes/cars/businesses.

There could be a bulk purchase option for solar like they have in Palo Alto.

What are some of the key issues or challenges the city should focus on?

Sustainability

Would like the city to consider transitioning to sustainable vehicles and buildings. The city has the capability of being a leader in a lot of areas and has started transitioning buildings, etc. to minimize greenhouse gas emissions.

Outreach Ideas to reach the community

Several residents would like to see more community outreach related to how residents can be sustainable. Both live and online combination would be fantastic. City Manager Update, email, direct mail. Older people may not view websites and social media as much.

Program idea: Try and buy electric cars, landscaping tools: It would be nice if the city hosted a program where you could see and interact with electric vehicles and/or electric blowers, etc. You could do this at festivals, fairs. We also like Zoom and online options.

Youth ambassador program idea for schools and students on sustainability topics could be effective to help educate the community. Recycling, dog waste, chemical waste, electric batteries and vehicles, etc. could be good topics.

Idea: Land responsibility initiative to educate young people in schools and make it socially responsible not to litter, etc. This could be through the parks department.

Alternative to HHW disposal program

Hazardous waste cabinet: In Palo Alto, they have a program where residents can bring extra paint, etc. and the city inspects and it and makes it available to the community.

Organics Waste Recycling

More outreach about new organic waste recycling.

Open space

Preserving open space, particularly Ponto. If something becomes available, we should do a good faith effort if something becomes available, to be able to respond quickly. Is there a way to do preemptive support to see if we can purchase more expensive land so we don't lose out on it?

We should be proactive in acquiring open land. Ponto is a good example of where the city should do this.

Clean Air

Would like to see clean air programs. I live in La Costa, and we can smell the smoke from restaurants that hangs in the air. In the Bay Area, they have "Spare the air" days where folks can schedule when to take public transportation, non-polluting activities.

Water

As the city moves forward with developments, consider water reclamation when building.

Composting program

Excellent example of the city pushing out information to residents and getting people involved. This is a great program.

Plastic waste

We should do more to keep plastic out of our oceans. Reduce, reuse and recycle should be incorporated into everything the city is doing.

Litter, trash, dog waste in open space/parks/beaches

Visitors and crowds leave debris, trash and dog waste. Would like to see more being done about it.

Transportation choices

We should continue giving people options other than cars. We can build on these programs: Shuttles to downtown, bicycle support/bike racks, safe bike lanes and safe routes to schools.

Carlsbad advertises money to bring tourists to the area. Let's get people to come to the city on the bus. Let's engage people to learn how wonderful it is to get around on public transit.

Energy audits is a good program.

Five years from now, how will you know this has been successful?

It would look like less waste, trash, dog waste, pesticides and chemicals making their way into the water.

Emissions and exhaust

I would like to see Carlsbad phase out two stroke engines for blowers, mowers, landscaping tools. In 5 years, it would be great for this to be phased out.

This is also an equity issue where making electric blowers, tools are accessible to the community at everyone's price point. A rebate program or subsidy would be good to help people transition.

Environmental sustainability / Climate Action Plan

What would you like us to consider as we are creating this plan?

Transportation choices: We should continue giving people options other than cars. We can build on these programs: Shuttles to downtown, bicycle support/bike racks, safe bike lanes and safe routes to schools. Trolleys would be helpful to get people around.

5-Year Strategic Plan Workshop Breakout Room Notes

I like that we don't have rideshare vehicles littering our streets (scooters, bicycles, etc.) These items have become litter/trash in the communities. The idea is good, the execution is horrid. I like that Carlsbad's ordinance prevents this.

Tree canopy cover and planting trees in the right location to shade buildings, paths, should be included in the Climate Action Plan. We should make sure the trees are appropriate to our climate and not pollen heavy. We did not like a previous city program where a tree was put in resident's yards, but residents had no control over the type of tree.

City Council 5-Year Strategic Plan Feb. 1, 2022, Workshop Notes

Breakout room name: Natural Environment (Group 1)
Number of participants total: 11 (not including City staff)

What would you like the City Council to consider when it comes to the natural environment?

- The oceans and lagoons are precious resources
- Access to the ocean brings in tourism and money – hotels, restaurants, etc. The visitors to the city keep our economy going
- Lagoons are important for oceanic health
- Concern about dogs in parks
 - Talked to surfers who mention that after rainstorms, the ocean has unhealthy levels of dog runoff
 - Some people don't follow rules about dogs on lower beach – dogs leave droppings
 - CA is encouraging birds to build nests along the coast – if they see dogs, they might be discouraged to nest in the area
 - If something could be done about dogs, that would be great – asking for a “creative solution”
 - Off leash dogs can be hazardous
 - Consider creating sections for dogs in parks
- Concern about protecting natural environment and live side by side with natural environment
- Preserves and connections between preserves are important
- 60-acre city land could be used to expand native habitat along the coast w/hiking and biking trails
- How is Carlsbad committing to the 30x30 initiative? – 30% of land being saved by 2030
 - As the city is developing, how are we preserving land?
- Concerns about state mandates and how the City is responding to population growth
- Protecting breeding grounds for birds and other native species
- 1980s Carlsbad commitment to open space has gotten lost over time. Adopting conservation protocols and wants our City to step up as leaders in the region for environmental protection.
- Plan how to preserve and protect lagoons and wetlands as a priceless resources
- Strategies for sea level rise and protecting wetlands
- Protect land and quality of life for future generations
- Consider purchasing Ponto – can the City forward fund or forward approve these expenditures? Give it serious consideration based on community input and price.
- Continue to focus on natural environment and open spaces – leave habitat natural and don't develop with landscaped parks.

- Focus on historical and interpretive signage – information about the history, Native American residents, and environmental education about the flora and fauna of the region
- Enforcement in parks – keeping bikes off foot trails and natural habitats
- Raise public awareness of natural habitat and environmental impact. Volunteers in parks dept can do a nature walk in Calavera or nature talk at low tide at tidepools – engage the community in caring about our environment
- Parking along the beach – add QR codes to parking meters so visitors/residents can view open spaces. Make the most of technology
- Sandy beaches – public education and advocacy

What are some of the key issues or challenges the city should focus on?

- Manage recreation in wildlife habitats – striking a balance between recreation and preservation
- How sea level rise and climate change impact our natural resources
- Degradation of Calavera Highlands Ecological Preserve due to recreation in the area
- Advocacy and leadership in the region to promote preservation
- Provide education for new and prospective residents about the natural habitat in the region, not just the beach
- Funding commitment – shortfall in regional funding sources. Recognizing the need of securing funding on many levels.
- Acquiring land when it's available and have the secured funding to do so
- Rely on NGOs and volunteers to assist with supporting the City mission

What will be different?

- Amount of natural open space will increase
- City funding allocated to connect open spaces and acquire natural habitat
- Population of sensitive species will increase
- All children able to interact with nature in a meaningful way, esp. areas with multifamily housing and apartments (require developers to include parks)

What will stay the same?

- No loss of endangered plants and species – ex: threadleaf rhodea

City Council 5-Year Strategic Plan Feb. 1, 2022, Workshop Notes

Breakout room name: Natural Environment (Group 2)
Number of participants total: 4

What would you like the City Council to consider when it comes to the natural environment?

- When the city makes decisions, I would like more visibility of what the decisions are and more communication as things progress. E.g. decisions about Veterans Park, when it will be done, how it will open up? Other examples:
 - The bridge being built at Cannon and El Camino. We have no idea what's being built there and why.
 - Retail near Robertson's Ranch. What is going on with that? Nothing is happening and it would be nice to have that will all of those houses nearby.
 - Sportspark plans near Robertson's ranch (near Fire Station 3). What is the status and when is it slated to be done?
 - More visibility might look like.... communication about these things via email, open city council meetings, a Carlsbad newspaper.
- I think the parks are maintained really well, I love that we have the opportunity to garden and I like the natural spaces that have the opportunity for habitat. I also love the classes that the city offers. I would like to see the city encourage planting of native plants. As we are developing new homes, retail, etc. we should encourage planting native plants. By planting more native plants in our yards and in the community, we can provide habitats to different animals that we are displacing with development.
- I like the idea of natural environments and connecting natural habitats/corridors.
- We have a lot of trails, but let's not think that we have done all that we can do with trails in the city.
- It would be nice to have a policy that neighborhoods, developments and private areas have to follow related to trees – planting and taking down trees, e.g. plant 2 for every one removed.
- I would like see a concerted effort to see more areas with trails. Whenever there is a new development, include plans to connect trails through those new communities.
- Keep the lagoons free of all of the unnatural plants. I have noticed a lot of reeds growing, especially in the Buena Vista lagoon that are not natural and blocking the water flow. The lagoons seem to have less and less water all the time. We need to save the lagoons because they make Carlsbad special.
- When I first started living in Carlsbad, there was a notion that development would be focused on east of El Camino Real. But I am noticing lots of development in the Village now. We need more housing and can't close the door to development but how can we do so in a way that is kind to our community? Ideas include building more multi-family homes and not single-family homes, taking down buildings we already have and replacing rather than encroaching into natural places. If they made new development

more cohesive (e.g. more city control over the architecture) then maybe we would like the development a bit more.

- I am here because I am interested in what's going on in the city. There is so much change – buildings being torn down, lots of housing, condos, apartments and townhouses going up.
- I am wondering what will happen when the power plant comes down, what will that look like, what will go in its place?
- I am worried about what parking will be like in Carlsbad with multi family structures being built. It is not bad now, but worried about that this will change with more development.

What are some of the key issues or challenges the city should focus on?

- Setting aside/finding money/funding for these efforts (trails, open space, lagoon preservation).
- Education – educate people about natural environment, native plants – if we could educate people about native plants and that there are attractive options, this might help overcome some people's reluctance to planting native.
- City's "plant palette" – share this out more. I just discovered this and think it would be good for others to learn about what plantings are endorsed and recommended by the city.
- I don't know how they would go about removing the unnatural reeds in the lagoon. It is impeding the water flow like dams. Want to preserve the lagoons and prevent people from being able to build on land surrounding lagoons as they become smaller and smaller.
- It is challenging for residents to know who has authority over different things. How can we be a part of the multi levels of government with protecting the lagoons? Can we have help knowing who to contact – state, federal and other to share our input on protecting the lagoons? How we can be more effective advocates?

Five years from now, how will you know this has been successful?

What will be different?

- More trails and more parks. Continuity of trails throughout the city. Every kind of trails, variety – no specific preference for trail type. It would be nice to have a trail that goes around Agua Hedionda Lagoon.
- Native plantings in more places.

What will stay the same?

- Open space that we have will remain open. Preserve what we have.

5-Year Strategic Plan Workshop Breakout Room Notes

- Lots of open space remaining – not every spot has houses built on it. We have all these canyons and open space, I hope that those will stay open.
- My perfect vision is to keep it as natural as possible, stop over development, stop paving and building over open space.

City Council 5-Year Strategic Plan Feb. 1, 2022, Workshop Notes

Breakout room name: Carlsbad's coastline (Group 1)
Number of participants total: ~25

What would you like the City Council to consider when it comes to Carlsbad's coastline?

- Protection of the bluffs and what we have left. The beach is narrow, low tide gives us beach, but if we need to shore that up, hope the coast can be protected from boulders, or like Terramar to protect the erosion.
- Erosion - protect it. Keep it as natural as possible.
- Don't want to pave paradise and put up a parking lot
- Don't want to see a big parking lot
- Erosion is a threat to coastline
- Concern – if merging, overlook this area, two to four lanes? Big concern because we already have a lot of traffic noise. Resident of Solamar.
- Traffic noise is a concern
- Open space would be similar to Terramar Bluffs - warm water bluffs
- Minimal concrete
- What has the city committed to for the grant? What do we need to do take advantage of that money? Tied to commitments?
- No parking lot
- No development
- Concern - preserve the natural beauty – includes visuals and what we hear.
- Live in Solamar- walk along oceanfront and no sidewalk. Close to southbound traffic lanes.
- All traffic disturbs enjoyment of walkway
- Reduce traffic
- Could have 4 lanes, thinks of Leucadia Boulevard. Naturally encourages people to slow traffic with curbs and turns in the road.
- Access – community access. Many access points from Cannon to Campland, if you have 4 solid lanes of traffic that will prevent people from enjoying coastline.
- Nice access points
- Near Kelly Elementary – what I love is the beauty. Can't stop at the beach but enjoy it regularly by driving past it. No obstructions like in Encinitas with all the buildings along the coastline.
- No buildings, no development, no restaurant to obstruct the view.
- Already have the Village – don't have need to develop another area
- Make it a park, with benches like La Jolla with pavilion picnic areas along the cliffs
- Smooth paths for rollerblading and biking

5-Year Strategic Plan Workshop Breakout Room Notes

- Keep it a park and no buildings obstructing the view
- This is why I love Carlsbad - these meetings. Thanks for putting this on.
- Never go down to two lanes. Slow down traffic but going down from four to two lanes, we'll learn a hard way.
- Not much traffic now, but once things pick up again, rude awakening for 101 if it goes down to two lanes.
- Before the I-5 was built, the 101 was so congested.
- Widening the I-5 freeway, but going down one lane on Carlsbad Boulevard will bottleneck on a Friday or Saturday.
- Keep it beautiful, slow it down, but don't go down to two lanes
- Concern – live at Poinsettia, is the development. We love coastlines. This is the beauty-access to beaches for free.
- Active physically – run through the coastline and want to still have the access.
- Problematic areas- cycling, running, cars. Would love to see we represent our city values to provide safety for all who enjoy in whatever way we travel.
- Median through - crossing safely from one side to another
- Main importance – no over development. No more restaurants or hotels to block that.
- More green space and access, less parking spaces
- Keep it an open and natural space so we can all enjoy what Carlsbad offers
- Other north cities don't offer this. Del Mar, La Jolla- all buildings.
- Embrace open natural beauty for all residents in the city
- Concern with the bluffs, not much beach. What happens with erosion then whole park thing is gone.
- It'll be more like walkway, not like a park.
- Walkways and patches of grass along the walkway – spent so much money and then it's gone from erosion.
- Not happy with going down to two lanes on 101 – nightmare.
- Not have any shopping centers. No hotel, Starbucks, buildings to block view
- Great to drive on coast highway to see ocean. Get out to walk.
- Don't want to get out around buildings
- Taking away beauty of Carlsbad if you have to go around buildings
- One lane on each side not good either – bottleneck.
- Parking lot creates exhaust for people there
- We're a destination. Between the Village and channelers, the Hilton, Cape Rey and 60 acre piece, there's no commerce. No interest to Vigilucci's. Dated. Have to go all the way down to Chandler's to go to a restaurant. Could be cool to get a couple of restaurants and more revenue options.
- More things to do for us locals
- We're known for R&R- restaurants and dining cool to give thought or opportunity
- Oceanside to San Diego coastline – so little coastal drive. We're the fortunate benefactors to still have that. That's what separates us from Santa Monicas, Del Reys of the world.

5-Year Strategic Plan Workshop Breakout Room Notes

- No development, no linear park, we don't need it.
- Enough time hard to get cars through that strip of traffic
- Need to manage traffic on that strip and leave it alone
- Shouldn't be developing that property – that's it.
- Don't want to see any shops along coastline – it's such a unique part of Carlsbad. go inland
- Our natural beauty of coast is irreplaceable
- Not for moving highway
- Look at Ponto Park instead of linear park
- Should stay the way it is
- Concern – the beach. The sand that has evaporated. Is that part of plan to revive beach along this southern stretch?
- Concern – bike suicide lanes. Any plans should have bike safety considered to make lanes not a hazard to the bikers, let alone drivers.
- Won't ride a bike along this street not, it's suicide.
- Solamar- let's keep what we have with open views of ocean and bluffs.
- Fix bluffs and access to the beach – steps down to the beach whether it's at Solamar drive or paths that have been created.
- Can't believe were talking about moving 101 to the left.
- Save our money, because if climate change is real, have to save that money. Rename it the 101. If you drive down 101, see turnarounds. Epic. Old school epic- walk down to the beach and hang out. Can't do this anywhere else, been here since the 80s. Park at Ponto along the sand.
- How to make that U-Turn doable at La Costa. Fix the light.
- Destroying view of 101, cannot get that elsewhere. Greatest thing to do with daughter who can't get to the beach, is parking and seeing view of ocean.
- If too loud, reduce lanes in some areas.
- Don't waste money to put restaurant and buildings up after moving lanes.
- Historic 101. Don't need to knock down.
- If concerned about climate change, move asphalt – whole beach to use
- Don't understand need to move road.
- Erosion
- Have to help save what we have left.
- There's this town of Cambria – wooden deck that's pretty. Raise the platforms so people don't climb down the cliffs. Pretty ways to give walking areas. Bridge over traveled waters.
- Bridge if there's erosion instead of moving it.
- Considering giving space to State Parks? For more camping areas and recreation. Day use lot? Enable access across.
- Any estimates to protect the bluffs from further erosion?
- Wouldn't money factor into what you can and cannot do?

What are some of the key issues or challenges the city should focus on?

- Addition to making this a park space, linear park space, make sure we're being careful. Not too much access for additional homeless in this area and cause safety concerns.
- In other towns where you get close access to the beach, there's a park specifically there, it's harder to manage homelessness there.
- As things can and may get worse in years to come, make sure we are prepared to not make it more challenging. Will attract more homeless with a park.
 - Mission beach, Venice, Santa Monica – concerns for homeless at beaches.

Five years from now, how will you know this has been successful?

What will be different?

- Safety for pedestrians and bikers

Carlsbad's Coastline

What do you enjoy most about the coast today?

- Open space.
- Don't overbuild
- Nature
- Don't want to see over development
- Make it even better - not reducing traffic lanes
- Focus on Ponto Park – not shoving linear park when it's there. We know what we want.
- Preserved – any expenditure is through government grant? Not coming from taxpayers.
- Paid for by federal government
- Radio control airspace flyer- fly in dead center – Dave's Beach – little beach – fly radio controlled planes that are gliders, no noise – peaceful – entertaining
 - That has a long history in Carlsbad since 1940s
 - Hate to see that go away like other flying sites that have gone away
- Stand out as close as possible along coast to fly planes
- Ok with improving Carlsbad Boulevard, but this site maintained by a park, or a sponsored glider park. Strip of this park radio control activity. Glider only (no powered with sound)
- Retail down below with condos are a NO.
- Love to see changes but want to keep it Carlsbad.
- Keep 101 as it is. Want Ponto Park. Needs to be a real 6-8-10 acre park,
- Sit down on the grass, picnic blanket and don't have to be right by the cars whizzing by
- Southwest Carlsbad deserves a park. Prefer quiet, peaceful.
- Don't want hotels, restaurants.
- Up 101 – there's the ocean. Felt like driving by, actually going to the beach. Don't cover it up or make it harder to get to.

5-Year Strategic Plan Workshop Breakout Room Notes

- No actual access to the beach from the car, from turnaround to Ponto. Great to have a lot to park, or easy way to get family down to the beach like a walk, so you can get down to campground beaches. Like San Elijo campgrounds and beaches.
- What I enjoy most – biking. Trips from Orange County to San Diego – first time done ride on bike and when I got to Carlsbad and Terramar, like wow, this is beauty. Favorite part of the entire road.
- I drive 101 as much as I can to avoid the 1-5 or El Camino. Make it a point to drive the coast to see the ocean without getting out of the car, not always get out or bike.
- Live by the coast – drive by.
- Drive up and down the 101 – my wife and I did that almost every day during COVID. It was an outlet that was priceless. That’s the key - maintain that visibility of the beach and ocean.
- Improve the access to the beach. Make the beach a beach. It’s a challenge, but part of the cost to reinvigorate the beach to enjoy it once we get down there.
- Radio controlled gliders present at that location
- I like the highway how it is – two lanes in each direction. The city should concentrate on reinforcing the cliffs to make sure erosion stops, keep natural beauty. There is nothing else like it.
- That drive is so beautiful- even for people, I can do nothing but drive. Love that drive. Nice to be able to do that and see coastline. Don’t change.
- Nothing – whole idea of pristine view.
- No development – no services. Leave it as is.
- Open space.
- Keep the Village the Village. Don’t develop.
- If you’re going to develop the coast, make it nice. Not four-story buildings – hideous.
- Open space – nothing to distract.

City Council 5-Year Strategic Plan Feb. 1, 2022, Workshop Notes

Breakout room name: Carlsbad Coastline (Group 2)
Number of participants total: ~25

What would you like the City Council to consider when it comes to the Carlsbad's Coastline?

- This section of the city's coastline provides the most opportunity to do something very special.
- The city has been studying this area for too long, need more beach parking, more beach access, an Oceanview restaurant and coffee shops, better separated bike trails, more facilities along the beach like restrooms
- Preserve environmentally sensitive habitat areas along wetlands, lagoons, etc.
- Love the coast and enjoy walking there
- Need dog friendly walking paths and dog friendly beaches
- The existing coastline is gorgeous but is in need of updating and better facilities for recreational users
- Sidewalks need fixing by Solara and fences are not attractive
- Would prefer to maintain natural vegetation as much as possible, balance with whatever the proposed development may be.
- Excited about the opportunity for commerce – besides the Village there are no other areas with waterfront dining, and shopping.
- Existing restaurants are dated so it would be very refreshing to have new fine dining restaurants here.
- Need to preserve open space, provide parks with ocean vistas/views
- Preserving the open space would create a unique destination as the majority of the SoCal coastline is completely developed.
- Loves the idea of bike lanes, used to ride a lot but doesn't feel comfortable biking near high speed roadways like Carlsbad Blvd. Wants separated bike lanes or bike trails.
- Need a dog friendly beach
- Open stretch of coastline is a unique resource and needs to be preserved. If developed it would ruin the future of the coastline and the most beautiful location in the city.
- The coastline as it is a jewel. Loves the sense of tranquility that the current open spaces provides. It's a delicate coastline. If we are truly concerned about sea level rise why would we want to develop it?
- Agrees that this stretch of coastline needs to be preserved
- Coming from Huntington Beach which is very overdeveloped and afraid South Carlsbad Blvd will become developed.
- Would prefer any development to be placed on the east side of Carlsbad Blvd to maintain an unobstructed view of the coastline.

5-Year Strategic Plan Workshop Breakout Room Notes

- E-bike user that doesn't feel safe biking on Carlsbad Blvd. Recommends a bike trail that they can enjoy and feel safe riding at lower speeds.
- Would like the council to consider the impacts of sea level rise before making any plans
- Recommends we look at the results of the adaptation study by Scripps. Should look at the 2050 Horizon year for sea level rise estimates. Wants full disclosure of the cost and potential impacts due to sea level rise.
- Concerned with additional traffic congestion and vehicle emissions which may be created by new development and congestion from bringing Carlsbad Blvd. down to a single lane
- Lived here 30 years. Hilton to Island Way is the jewel in the crown of the coastline. The water is breathtaking. Please do not put any development here, must preserve the open space the way it is. It's the only open coastline left in Carlsbad.
- Love's to hear everyone's excitement about open space. Agree that open space must be maintained.
- Southwest Carlsbad is the jewel of the city. Everything should be done to preserve this space.
- Concerned about development being proposed here such as the Ponto hotel. This will impact coastal access, views, and bring more traffic.
- Want a linear park along the coastline and it's vital to preserve the open space.
- Agreed that the open space must be maintained.
- Consider sea level rise in any proposal
- If new development is proposed, this will impact traffic significantly.
- Agreement that open space should be maintained. Leave the coastline alone. Our coastline is a precious resource that should be maintained but it should not be developed.
- Disappointed with the development going on in the Village, does not want this level of density at S. Carlsbad Blvd.
- Does not want Carlsbad to become a Huntington Beach which is overdeveloped and congested.
- Surprised that the survey includes an option for development of new businesses or hotels at all. Why are these uses even needed? The open space should be maintained and not developed.
- Want a place to ride a bicycle that is safe, to take in nature and recuperate and enjoy the open spaces along the coastline.

What are some of the key issues or challenges the city should focus on?

- Does the land include the campsite? A: No the project area only includes the city right-of-way or city owned parcels, area west of the fence at the campgrounds.
- Issues are that the area needs to be left open and sidewalks/walking areas need to be repaired and maintained better
- Development is an issue. There are plenty of other areas in the city where people can go to find good businesses, i.e. Village, inland areas, etc... The coastline should be preserved and kept natural for recreational purposes only.
- In agreement with everything everyone is saying about preservation

5-Year Strategic Plan Workshop Breakout Room Notes

- Hwy 101 acts as a parallel / alternative route to I-5. Concerned with narrowing Carlsbad Blvd. to single lane each direction when I-5 is congested. It's a beautiful scenic drive.
- Parking is an issue. Parking spillover into residential neighborhoods along the coast is a concern.
- Biggest issue is adhering to the general plan, maintaining the right balance of open space is key
- Need safer bike and walking trails
- Need better connections to the Lagoon trails and surrounding recreational uses
- Keeping the open space is necessary
- Better bicycle and pedestrian access may address the parking problem
- Lack of adequate facilities such as bathrooms, showers, etc.
- Want it to be a linear park, travel way for people walking, biking, etc.
- Interested in the area being left as open space. No shopping, businesses, small concession stand for food.
- Parking should be on the furthest east side, this would preserve views
- Not adequate beach access for surfers, swimmers, beach goers. Need ADA compliant ramps, stairs to the beach.
- Unanimous- no businesses along the coastline, preserve the open space. Sufficient amount in the Village and other areas
- Need more seating, eating/picnic areas, space for recreation.
- Development would threaten this valuable and rare resource.
- Want dogs on the beach and trails. Currently no good areas for dogs to enjoy the coastline in Carlsbad.
- Dogs are less impactful than humans in terms of trash being left on the beach, traffic, etc..
- Homeless population may impact the beach, don't have a solution but homeless should be addressed as part of any proposal for the coastline area.
- Seems like development is approved too quickly. Aesthetics should be considered more when approving structures along the coastline.
- Concerned that projects are being approved that don't actually reflect the renderings that are reviewed at the Planning Commission / City Council
- Believes the residents should be considered more than business interest
- Maybe its ok to have a little less tax income and have a better quality of life
- Changing Carlsbad Blvd to one lane each way would be a disaster. I-5 is a parallel route that when congested spills over to Carlsbad Blvd.
- While open space is important. Need something to fund (tax income) the recreational / park amenities that everyone wants with things such as new land uses.
- Need designated sources for providing the funding for maintenance
- Surf culture needs to be considered and it needs to be easily accessible beaches for surf access
- Timeshares provide a tremendous amount of tax don't need any new development for more tax revenues
- Very much against having more the Village like development along the coastline
- Bike lanes and walking conditions are currently unsafe
- Want some type of educational and recreational component

5-Year Strategic Plan Workshop Breakout Room Notes

- Very sensitive to runners, strollers being in the bike lane, need separate space for people biking and walking.
- Caution us to not replicate the separated bike facilities in Cardiff where there are too many conflicts with bikes and people walking along the coastline
- Need a route specifically for e-bikes. Need to consider how to safely accommodate different users including pedestrians walking, joggers, manual bikes, and higher speed e-bikes... where do they all go? All users need to be considered in any plans.

Five years from now, how will you know this has been successful?

What will be different?

- We will have much better access for people walking, biking, e-bikes, surfing, and people just enjoying the beach.
- More people using the beach, on bikes, walking, and surfing in the area.

What will stay the same?

- Maintain the open space, views, clean beach and natural resources
- Open space is such a unique part of the coastline and it must be maintained

City Council 5-Year Strategic Plan Feb. 1, 2022, Workshop Notes

Breakout room name: Keeping Our Community Safe (Group 1)
Number of participants total: 12

What would you like the City Council to consider when it comes to keeping our community safe?

- Fire and police do a great job, resident for 30 yrs
- More traffic concern and parking
- Traffic; need to complete Cannon and College missing links both for safety standpoint
- Great employer in Carlsbad but people have to go home and have to drive all over the place
- Have to complete traffic flow
- Downtown 1pm lunch parking; parking has gotten to the point where the city needs to come up with a parking plan to increase parking structures downtown
- The more we develop downtown the more people will leave their cars downtown
- Beach parking could never get a spot but paid parking at Tamarac regulates the parking
- Homelessness as far as council is concerned problem isn't addressed; homeless that don't want help causing problems in village and wants council to address that problem
- Gentleman walking down state street screaming at the top of his lungs talking to himself very frightening
- Cops CPD and firefighters are incredible
- CPD ensuring public safety is great hats off to great job that you guys do
- Thank you for the ebike safety presentation and materials that you guys have been putting out
- Thank you for educating parents about the dangers of ebikes
- We are experiencing resurfacing in different areas at drop off times for schools and creates huge traffic congestion magnolia, valley, and Carlsbad high; if city can communicate with contractors on when appropriate time is to do the work
- Mental health and homeless issues – example of Be Well OC facility to help folks; overwhelmingly homelessness has become a key word but forgetting they're individuals that need to be met where they are in their struggle and wondering what the city is going to do to help homeless population and related crime
- Thank you for participating and leading this feedback and outreach for the community you guys are doing an excellent job
- Ebikes grown exponentially in city and with that growth has come a lot of traffic and minors trying to navigate the roads and creating a traffic issues and personal safety issue not sure they have the education they would need to interact with an automobile
- Come up with a plan with how you're going to educate, register, enforce laws for minors operating ebikes in city

5-Year Strategic Plan Workshop Breakout Room Notes

- Has to be accountability at the parent level, if that's financial or otherwise, because can't leave it to the kids to be responsible; had two near missed where the child didn't know how close they came to being significantly harmed
- I've seen children collide with cars and then keep going, not stopping and not acknowledging that that was an accident; need education that there's a penal code
- Or even confiscate the bike and bring the kid home in a cruiser; I think there has to be more accountability; what we're doing as a community doesn't seem to be working
- New resident, coming for a few years; the amount of homelessness is incredibly more and noticed other towns around here don't have as much homelessness; scary at night walking down the street at night or during the day; people don't have the same sense of control as others
- The sidewalks are horribly dirty to the extent have to look down to see where you're walking
- Having clean streets helps reduce the amount of homelessness because if you're dirty then it's fine to be dirty
- Lighting at night can help reduce homeless
- In Manhattan, a police officer walking downtown at all times
- People passed out under benches; no officers in sight; people hesitate to call police cause just don't know that person's situation
- Clean up the town
- As far as parking, in the Village Fair it's really hard to get parking; has changed a lot in last three years
- Above ground parking structure would change the character so much
- Shuttles with parking farther away or concierge parking or underground parking so it doesn't ruin the village architecture
- Against a parking structure; free shuttles from outside area
- Friend with a guy that sleeps in the bushes and at night there's no police presence; we need the homeless team
- Moved here from Santa Cruz and they had a parking structure that you couldn't even walk into because it was so bad and inhabited by so many homeless
- Sometime last year city funded officers on bikes to patrol the Village and I think we saw one bike officer within a few weeks after that was funded and haven't seen any officers on foot or bikes since then; would like to know where the police dept is on that
- City Council support legislation on definition of danger to oneself or to the public that allows law enforcement to remove someone that is not that high of a definition
- Cities like Monterey; parking structures can be done tastefully like a two story at the train station or behind the buildings in the village
- We need a legitimate police substation in the Village and also a fire station on the west side of I-5
- I see Carlsbad trucks and cars all the time and if they see something they should say something; people in bushes on the rail trail doing something inappropriate I won't say what; I got to the end of the trail where a public works employee was and asked him to check on it and said he wouldn't do it and that's not his job; report when they see an incident or a homeless person or someone in trouble

5-Year Strategic Plan Workshop Breakout Room Notes

- There are areas in the Village we know where the encampments are and those areas need to be addressed maybe three or four times a day; I don't think citizens should be the ones calling
- We do have a magnet program the church that feeds the homeless program; is there someone from the homeless team at every feeding? I never see anyone from HOT there
- I feel for you Christie because there are items in place like Prop 47 that prevent you from doing your job; I think some of this is the frustrations we're feeling in the Village area is a direct result of tying hands of law enforcement
- I think it is just terrible that PD placed in that terrible position and I support you 100% and I hope there are recruits that wants to sign up to help with homelessness in Carlsbad like what OC has done
- There's also going to be an issue with parking; subterranean parking is the way to go
- I appreciate all the work you're doing after hours to listen to the people of Carlsbad; we appreciate you and what you do
- Prop 47 detrimental to public safety; 100% on board with getting rid of that
- Homeless people do not stay in one city; traffic between where they can get services so my suggestion is that we continue to grow the regional approach to homelessness; severely mentally ill, really work on that piece for more longer term care; I think we have to, as a community, work with other like communities who are experiencing the same thing and go to our legislators that we want the mentally ill off our streets for longer than 72 hours

What are some of the key issues or challenges the city should focus on?

- We have a problem with our kids about vaping; if I go down with my wife and I see people vaping I want to hold my breath; it is dangerous to people
- There is such a thing a second hand smoke; laws regarding smoking in public areas; need to protect public from second hand vaping; protect from narcotics in the smoke
- I would hope the city addresses vaping in condensed areas like the Village
- Homeless travelers, transient population in the city; my wife and I swim every morning at 5:30 am; on Armada this past Thursday morning, we counted 4 motor homes and 12 automobiles sleeping overnight on Armada; on Saturday morning we counted 6 motorhomes and 17 cars occupied with people sleeping on the streets at 5:30 am
- The last attempt by the city to address this problem, people sleeping on streets would be given a hotel room and social workers would move them; if that's happening at all that's happening on a limited basis
- I know of at least six other places where people are sleeping in the streets in Carlsbad; whatever we are doing now is not effective
- Encinitas seems to be addressing this a little more practically; a safe parking lot established for specific hours; it is monitored by the police and it is a safe place for people to be with no place left to go
- People see Carlsbad is a place for free living; I would like to live on Armada Drive for free wouldn't you; vehicles parked there for weeks or months at a time completely undisturbed and will only get worse as word spreads that Carlsbad is the place to come for a free vacation and the worst that can happen to you is a free hotel room

- At least two cases I know where only in jail for one night and then released to the streets the next day
- Does oversized vehicles exclude people living in their cars? Cause that seems to be its own problem
- What is the time limit for parking on the street? Also for everyone to understand that a lot of this comes from Sacramento and I feel in my heart so desperately for you cause you can't do what you signed up to do; it's really about what the citizens initiatives have done and Sacramento so thank you Christie and your whole team and CPD for what you're doing to mitigate today
- Whether it's an RV, a car or a tent, we have to address the situation; we do not have the resources in north county to do what we need to do but we can get there

Five years from now, how will you know this has been successful?

What will be different?

- The population along our coastline and our beaches is going to increase drastically
- Observing population growth along the beaches; seeing 25,000 people on our beaches on an ordinary Sunday; that population is going to increase and we still have very limited facilities to deal with people management; where are they going to park and use the bathroom
- Not the level of sanitation facilities that we need; have no idea how we're going to go about managing that many people
- The beaches are eroding away
- Decrease substantially the criminal homeless element and those that are severely mentally ill and the veteran homeless optimistically
- State requirements on housing going to increase density in Carlsbad severely; all the issues with parking and traffic going to increase
- We do have a density issue in Carlsbad; when I look at the buses, there are two or three people on the busses; SANDAG has a completely different idea
- I am a mom and we need to be able to go to Costco and stock up
- We have this challenge or opportunity moving forward so this is a wonderful place to voice our opinions on how we want to see Carlsbad moving forward
- Grateful for planning commission
- Very concerned for what Sacramento is doing to our beautiful community; they have the power to effect negative or positive change for Carlsbad
- If we can lower the trains that is a safety issue as well; I support that; and for the noise reduction

City Council 5-Year Strategic Plan Feb. 1, 2022, Workshop Notes

Breakout room name: Keeping our Community Safe (Group 2)

Number of participants total: 5

What would you like the City Council to consider when it comes to Keeping our community safe?

- Community member lives in barrio and is concerned about Windsor Point, the one that is not for Veterans. Doesn't feel this location is a great place to house persons with mental illness. She would like to see the population change to senior low income living due to not having mental health and behavioral health staff on site 24/7. Beef up restrictions to include taking medication, etc., she understands that there maybe uneasiness as a person gets stabilized. Please consider the impact on neighboring residents. Mental health staffing should be on site 24/7. Curious as to what type of security will be provided? Concerned security can't make people take their meds and not commit crime.
- City Staff: Strict rules as possible for the residents. Security on site. Social work and Behavioral health are there M-F. Security will be on site to enforce the rules of the complex.
- Another community member was interested in overall safety, and wished there was a 3-digit number to text for non-emergencies. She was provided the non-emergency number and told that there is no wait and the same dispatchers that answer 911 would also answer the non-emergency calls.
- Community member often calls for police response to activity in the barrio and she doesn't want to be asked if the person is homeless. She doesn't think it's important and she is unable to tell at night.
- Called 4 times, and the officers never showed up. Was asked for specifics and PD offered follow-up on her calls, but she declined.
- The SPIDR survey (used by PD) miscommunicates timeframes for CFS delay causing the reporting party to believe that officers have extreme delay or won't be responding at all.
- Traffic is an issue in the barrio. Roosevelt, Madison (wants to stop signs), Harding isn't too bad because of the parks. Take away some of the red curbs for parking.
- Please upgrading crosswalks and red curbs to make them more visible. Zebra type crosswalks like the one at Jefferson/Madison.

5-Year Strategic Plan Workshop Breakout Room Notes

- Public servants do a great job (fire/police). Working really hard on the homeless population, but would like more enforcement, education for e-bikes. Children and not understanding the laws and the level of damage they can do to themselves if they are not obeying the laws.
- Can the city council do anything to make education mandatory for e-bike riders?
- Kids are oblivious when riding their e-bikes. Motorist have to be cautious as well. Separated bike lanes, with poles or bawlers, especially on PCH.
- Homeless shifting and moving into different locations. Increase in crime, but not attributing that to the homeless. Is concerned to walk around the village due to aggressive transients. No easy solutions, huge problem. Can't offer any reasonable solution, understands that it is an issue.

Other notes

- Windsor Point: There are concerns about security and mental health staffing not being 24/7. Can council consider more funding to keep directed staff onsite 24/7.
- Traffic safety in the barrio area: There is a lot of traffic on Roosevelt, Madison and Harding. Perhaps the city council can consider more stop signs, upgrading the crosswalks to make them bigger and more visible and upgrading the red curbs.
- E-bike safety: Concerned about children riding recklessly throughout the city. Can city council provide mandatory education and also think about sectioning bike lanes with poles or bawler?
- General homelessness: Brief overview was provided on what the Homeless Outreach Team does daily. Can the city council fund more housing for the homeless and also think about bringing in tiny homes.
- General increase in crime and what is contributing to this. We discussed the current laws and effects of the pandemic on housing in jails.

Questions

What does the Homeless Outreach Team do daily? (Brief overview provided).

- Staff provided information on housing and bed space. Windsor space 24 units for mentally ill homeless persons. How do we fund and where do we house them?

Are we aware of tiny homes like the ones they built in LA?

- 30 will be going in in the city of Chula Vista.

City Council 5-Year Strategic Plan Feb. 1, 2022, Workshop Notes

Breakout room name: Other Topics
Number of participants total: 1

What would you like the City Council to consider when it comes to other topics that are important to you that were not listed in one of the other breakout groups?

- Interested in economics of Carlsbad, supporting & reinvesting in a vibrant economic ecosystem.
- Small, medium and large businesses create an ecosystem of wealth that stays in Carlsbad.
- Investing in economic infrastructure that Carlsbad has.
- Identify how city promotes an environment of regulations that are easily navigated.
- Policies that create a climate to promote business creation.
- Bring businesses to Carlsbad and create economic infrastructure so Carlsbad is self-supporting.
- Promote the creation of small business ownership and the equity in the community it creates. Find ways to make sure wealth that is created is enjoyed by our residents. Investments in our community for our community.
- Identify ways to promote Carlsbad and attract quality investments and attention?
- Be sure to continue to promote accessibility and mobility services for those that choose to age in place in Carlsbad.

Appendix E – Additional Comments

Includes all additional comments that were received.

Rincon Band of Luiseño Indians

CULTURAL RESOURCES DEPARTMENT

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June 22, 2022

Sent via email: Katie.Hentrich@carlsbadca.gov

City of Carlsbad
Katie Hentrich
Climate Action Plan Administrator
1635 Faraday Ave.
Carlsbad, CA 92008

Re: Carlsbad Climate action Plan Update

Dear Ms. Hentrich:

This letter is written on behalf of the Rincon Band of Luiseño Indians (“Rincon Band” or “Tribe”), a federally recognized Indian Tribe and sovereign government. We have received your notification regarding the above-mentioned project and we request consultation to assess potential impacts to cultural resources. The identified location is within the Traditional Use Area (TUA) of the Luiseño people and within the Rincon Band’s specific Area of Historic Interest (AHI). As such, the Rincon Band is traditionally and culturally affiliated to the project area.

The Rincon Band is dedicated to managing environmental concerns within our reservation boundaries. As our Traditional Use Area (TUA) is mainly outside of our reservation boundaries, it is critical for the Rincon Band to be involved in the protection of our cultural, including cultural natural, resources within our TUA. From the publically available information, the Tribe understands that this is a policy-based document to reflect new greenhouse gas reduction strategies.

The Tribe has the following comments and concerns regarding the Climate Action Plan Update:

How are Tribal Cultural Resources that could be impacted by pollution/climate change being identified? It is critical to consider the exposure of our Tribe’s archeological sites and assets to climate impacts such as flooding to ensure their continued protection and preservation. The Band would like the City to consider climate effects and how cultural sites may be vulnerable based on their locations and characteristics. Tribal cultural resources on a low-lying area near water bodies, for example, may be at risk of flooding or sea level rise impacts, which may temporarily or permanently inundate sites, impede access, and corrode certain materials. More frequent and intense rainfall may inundate areas near rivers and streams that were previously outside flood risk zones.

Furthermore, traditional gathering places for traditional food sources, basket materials, and other natural resources are mostly outside our reservation boundaries. It is crucial, that impacts to such resources due to pollution and climate change are being assessed and that management plans are being developed, to ensure subsistence of and access to such resources.

Bo Mazzetti
Chairman

Tishmall Turner
Vice Chair

Laurie E. Gonzalez
Council Member

John Constantino
Council Member

Joseph Linton
Council Member

- How will the City create partnerships with local Tribes to identify culturally-relevant resources, educate about clean energy programs, ensure collaborative efforts for habitat management and reforestation?
- How will Tribal Traditional Knowledge be incorporated as a vital part of climate initiatives to assess cultural-use plants, foods, habitats, and animals?
- How will the City identify how pollution and climate changes will affect foods that play a critical role in the Tribe's community and their culture;
- How will the City establish reporting systems to distribute information regarding potential impacts to these resources to the Tribes? Habitat restoration and reforestation should be conducted in consultation with local Tribes.
- How will the City protect undeveloped areas to provide conditions for intact ecosystems?

We ask to be notified and involved in the entire environmental review process for the entirety of the project's duration. Please also include the Rincon Band on all distribution lists for environmental document reviews, consultations, circulation of public documents, and notices for public hearings and scheduled approvals. Also, we understand that the Climate Action Plan Update might not be the regulatory document for some of these concerns, and if there are other regulations and guidelines that these issues can be addressed with, we would like to learn how the Tribe can consult on such documents.

If you have additional questions or concerns, please do not hesitate to contact our office at your convenience at (760) 749 1092 ext. 323 or via electronic mail at cmadrigal@rincon-nsn.gov. Thank you for the opportunity to protect and preserve our cultural assets.

Sincerely,



Cheryl Madrigal
Tribal Historic Preservation Officer
Cultural Resources Manager

Appendix F – Interim Outreach Activities

The following is a list of events that city staff attended to for Climate Action Plan Update outreach activities during the interim period between Phase I and Phase II, October 2022 to October 2023.

Table A-2. Interim Outreach Activities for the Climate Action Plan Update

Date	Time	Location	District	Type of Event	Host / Partner
October 20, 2022	5-7 pm	Faraday	2	Citizen's Academy	City-sponsored event
November 6, 2022	all day	Village	1	Carlsbad Village Street Faire	Carlsbad Chamber of Commerce
December 10, 2022	10-11 am	Batiquitos Lagoon Foundation	4	Presentation	Batiquitos Lagoon Foundation
January 22, 2023	8:30-9:30 am	S. Ponto Beach parking lot	4	Tabling during king tides	Batiquitos Lagoon Foundation & Sierra Club
February 23, 2023	5 pm start	Faraday	2	Presentation to Growth Management Committee	City committee
March 4, 2023	10 am - 1 pm	Dove Library	3	Fix-it clinic	City-sponsored event
April 1, 2023	10 am - 1 pm	Cole Library	1	Fix-it clinic	City-sponsored event
April 8, 2023	10 am - 1 pm	Poinsettia Park	3	Eggstravaganza	City-sponsored event
April 15, 2023	9 am - 1 pm	Pine Park	1	Earth Day	City-sponsored event
April 18, 2023	11:30 am - 12 pm	online	all	Earth Week Lunch and Learn	City-sponsored event
May 7, 2023	all day	Village	1	Carlsbad Village Street Faire	Carlsbad Chamber of Commerce
August 26, 2023	10 am - 2 pm	Library Learning Center	1	Library Learning Center Anniversary	City-sponsored event
October 5, 2023	5-7 pm	Faraday	2	Citizen's Academy	City-sponsored event
October 10, 2023	7:30-8:30 am	online	all	Presentation to Green Business Committee	Carlsbad Chamber of Commerce

Appendix G – Overview of proposed actions to reduce greenhouse gas emissions in Carlsbad (Phase II)

The English and Spanish versions of the document produced by the city to provide details to stakeholders about the proposed GHG reduction measures and actions for the Climate Action Plan Update are included in the subsequent pages.

Overview of proposed actions to reduce greenhouse gas emissions in Carlsbad

To support California's ambitious emissions reduction goals, in 2015, the City of Carlsbad was one of the first cities in the county to adopt a Climate Action Plan that outlined strategies and policies to reduce greenhouse gas emissions in a measurable way.

Climate action plans are comprehensive roadmaps that outline the specific activities that a government agency will undertake to reduce greenhouse gas emissions. Climate action plans generally focus on those activities that can achieve the relatively greatest emission reductions in the most cost-effective manner. These plans typically include:

- Specific city-sponsored initiatives and actions that the city controls directly, such as operations at city buildings and the types of cars in the city's fleet.
- Policies to direct, guide or influence actions of third parties, such as a requirement to recycle food scraps and energy efficiency standards for new building construction.

State laws

California's Assembly Bill 32, known as the Global Warming Solutions Act of 2006, was the first program in the country to take a comprehensive, long-term approach to addressing climate change.

Senate Bill 32, passed in 2016, expands upon Assembly Bill 32 and requires a reduction in greenhouse gas emissions of at least 40% below the 1990 levels by 2030 and, via **Assembly Bill 1279**, passed in 2022, a long-term requirement to reduce greenhouse gas emissions at least 85% below 1990 levels by 2045.

Why is the city updating its Climate Action Plan?

Since 2015, state targets have been updated, and we have more current information about the amount of GHG emissions generated by different sources in Carlsbad. This is called our "GHG inventory."

What are greenhouse gas emissions?

Gases that trap heat in the atmosphere are often called “greenhouse gases,” or GHGs. Burning fossil fuels generate greenhouse gas emissions, like carbon dioxide and methane, which contribute to climate change. The major GHGs that are being emitted into the atmosphere include:

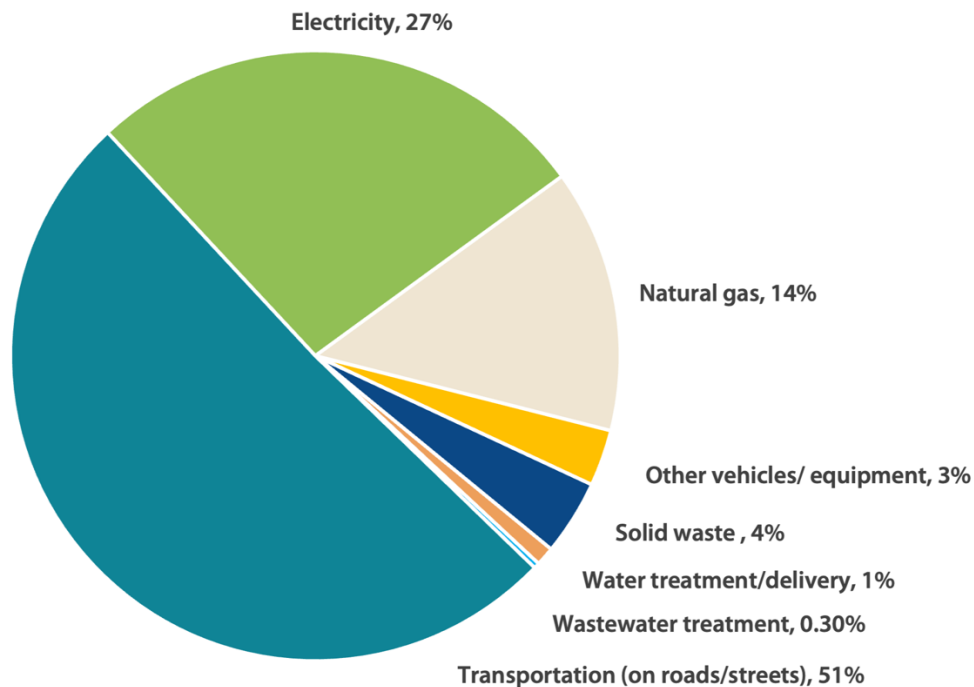
Carbon dioxide (CO₂)
Methane (CH₄)
Nitrous oxide (N₂O)
Hydrofluorocarbons (HFCs)
Perfluorocarbons (PFCs)
Sulfur hexafluoride (SF₆)
Nitrogen trifluoride (NF₃)

How are GHGs generated?

Greenhouse gas emissions typically come from the following actions:

- The operation of city offices, community centers, libraries and other buildings
- Energy to operate streetlights and traffic signals
- Energy required to pump water to homes and businesses
- Energy required to pump wastewater from homes and businesses to the treatment plant, plus the energy to treat and dispose of the wastewater
- Vehicles, such as fire trucks, police cars, utility trucks and cars
- Equipment like bulldozers, skip loaders and excavators
- Power generation for homes and businesses
- Energy needed to collect and process trash, recycling, and organics

Sources of GHGs in Carlsbad



Energy Policy Initiatives Center, University of San Diego, 2023

Climate Action Plan



Baseline inventory



Adopt target



Forecast emissions



Select strategies

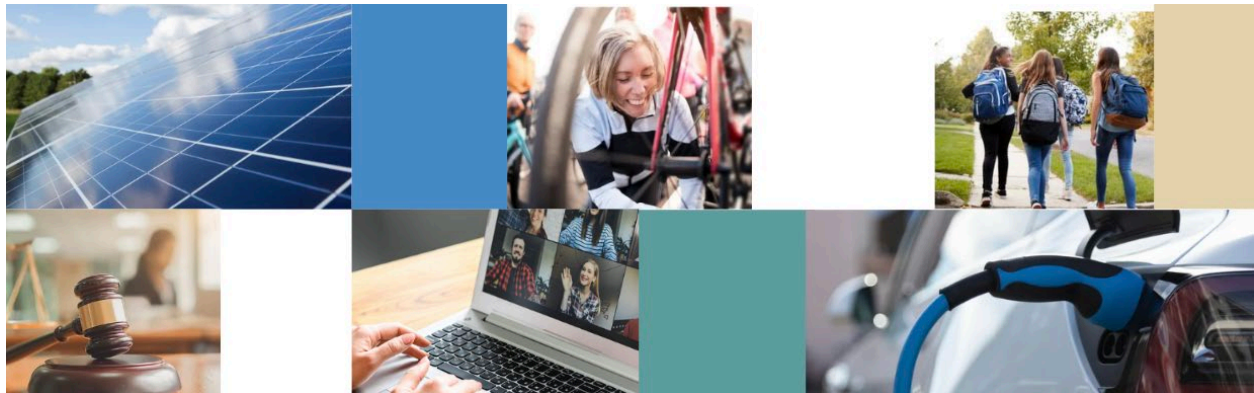


Funding & implementation



Monitor, track progress

Proposed actions



In early 2022, the city asked the public to shape the Climate Action Plan Update by providing input on environmental sustainability needs and priorities. This public input was used to help develop the proposed actions to reduce greenhouse gas emissions. These actions are described on the following pages, including:

- Projected GHG reductions
- Measures of success
- Data to be used
- Related benefits
- Timeframe
- Equity considerations

Wastewater/Wastewater System Improvements



Actions

Continue making improvements to the City of Carlsbad’s collection system, including but not limited to upgrading lift stations

Supporting actions

Update the city’s Wastewater Master Plan

Explore system improvements based on the updated Wastewater Master Plan



GHG reduction

2035 59 metric tons

2045 0 metric tons



How will we measure success?

Energy usage at wastewater facilities

Reduce wastewater collection energy intensity 10% by 2035 and supply lift stations with 100% renewable/carbon free electricity from Clean Energy Alliance

Data to be used

Wastewater energy/usage data



What other benefits do these actions provide?

Improved water quality in our oceans and lagoons.



Timeframe

Ongoing



Equity considerations

Promote rebate or incentive programs (e.g., multi-family, low-income)

Water System Improvements



Actions

Continue making improvements to the Carlsbad Municipal Water District's potable and recycled water systems, including but not limited to upgrading recycled water pumps, expanding use of recycled water, and using renewable energy to power facilities

Supporting actions

Continue to explore local water supply options and assess feasibility and cost to benefit ratio

Assess feasibility and seek funding for renewable energy and/or storage at Carlsbad Municipal Water District facilities



GHG reduction

2035 1,516 metric tons

2045 1,583 metric tons



How will we measure success?

Water usage/energy data

Achieve the active and passive water conservation described in 2020 UWMP (2,295 AF within CMWD service area and 2,981 AF within the entire city by 2035)

Supply recycled water pump stations with 100% renewable/carbon free electricity from Clean Energy Alliance

Data to be used

Water usage/energy data; water demand projections



What other benefits do these actions provide?

Improved water quality in our oceans and lagoons.



Timeframe

Ongoing



Equity considerations

Promote rebate or incentive programs (e.g., multi-family, low-income)

Renewable Energy at Municipal Facilities



Actions

Increase percentage of renewable electricity purchased for existing city facilities and street and safety lighting to 100%

Have 100% renewable electricity be the default for new city facilities

Eliminate natural gas use from city facilities

Supporting actions

Coordinate with the city's energy suppliers on the purchase of 100% renewable electricity (e.g., "Green Impact" level from Clean Energy Alliance)

Continue certifying city facilities in the Carlsbad Green Business Program to incorporate as many sustainable activities as possible

Leverage local and regional partnerships and seek funding to support identified energy efficiency upgrades

Upgrade all street and safety lighting to more energy efficient options



GHG reduction

2035 396 metric tons

2045 386 metric tons



How will we measure success?

Clean Energy Alliance opt-up date (estimated 2025); natural gas phase-out date

Data to be used

of facilities on 100% renewable electricity

of street and safety lights on 100% renewable electricity



What other benefits do these actions provide?

Reduced energy usage



Timeframe

Long-term



Equity considerations

Establish additional city facilities as "cool zones" using social, economic, and environmental data

Support high-road green job growth

Community Choice Energy



Actions

Continue the participation in the Clean Energy Alliance Community Choice Energy program

Supporting actions

Explore the purchase of renewable energy credits if Community Choice Energy program is not reaching 2035 goal

Support promotion of Clean Energy Alliance’s customer programs and encourage CEA customers to participate

Set 100% renewable electricity (e.g., “Green Impact”) as the default option for customers



GHG reduction

2035 17,110 metric tons

2045 0 metric tons



How will we measure success?

CEA participation rates; # of customers at 100%

100% renewable electricity (CEA Green Impact) as the default CEA option

Data to be used

CEA participation rates

of customers at 100% renewable

of customers that opt down below 100% renewable



What other benefits do these actions provide?

Reduced energy usage



Timeframe

Ongoing



Equity considerations

Promote Clean Energy Alliance’s customer programs

Nonresidential Building Energy Efficiency and Renewable Energy



Actions

Continue implementing existing building energy efficiency and water heater ordinances (adopted in 2019)

Update city's building code, or "reach code", with energy efficiency and renewable energy requirements in non-residential buildings (new construction + additions/alterations over a certain threshold)

*GHG emissions reduced by 2035 and 2045 only assumes implementation of Primary Action 1

Supporting actions

Analyze feasibility of eligible sites for renewable energy infrastructure across all city facilities, leveraging any preexisting analyses that are applicable

Assess feasibility of installing solar panels over parking spots at city facilities

Seek grant funding for installation of renewable energy infrastructure at existing and new city facilities (e.g., solar, battery storage, microgrids)



GHG reduction

2035 770 metric tons
2045 1,296 metric tons



How will we measure success?

Reach code update adopted

of buildings that reach code update would apply to

Data to be used

and size of projects installed

Energy usage of projects (e.g., kWh)

Building permit data applicable to reach code (# of buildings, sq. ft. of building spaces, etc.)



What other benefits do these actions provide?

Reduced energy usage



Timeframe

Ongoing



Equity considerations

Support high-road green job growth

Residential Building Energy Efficiency and Renewable Energy



Actions

Continue implementing existing building energy efficiency and water heater ordinances (adopted in 2019)

Update city's building code, or "reach code", with energy efficiency and renewable energy requirements in residential buildings (new construction + additions / alterations over a certain threshold)

Supporting actions

Explore updating the Home Energy Score Assessment Program

Leverage Clean Energy Alliance and SDG&E customer programs, or other similar programs

Explore pilot programs and incentives to educate residents on energy efficiency and renewable energy options for new and existing buildings



GHG reduction

2035 3,212 metric tons

2045 3,710 metric tons



How will we measure success?

Reach code update adopted

of buildings (single-family and multi-family homes) and # of water heaters that reach code update would apply to

Data to be used

Building permit data applicable to reach code



What other benefits do these actions provide?

Reduced energy usage



Timeframe

Ongoing



Equity considerations

Explore new pilot phase for Home Energy Score Assessment Program to provide free scores to low-income, multi-family, seniors, etc.

Support high-road green job growth

Design new pilot programs or incentives to target low-income, multifamily, seniors, etc.

Building Energy Benchmarking



Actions

Develop, adopt, and implement a building energy benchmarking ordinance

Supporting actions

Prepare a building stock analysis

Explore options and best practices for requiring existing commercial and residential buildings of a certain size to submit energy data annually

Conduct education and outreach to building owners and the public regarding new requirements



GHG reduction

2035 4,308 metric tons

2045 7,358 metric tons



How will we measure success?

of buildings within ordinance requirements

Building square footage within ordinance requirements

Data to be used

Benchmarking data submitted via Portfolio Manager



What other benefits do these actions provide?

Reduced energy usage



Timeframe

Medium-term



Equity considerations

Design program to be “equity first”, leveraging existing resources from other jurisdictions (e.g., City of Seattle, City of Denver, City of Minneapolis)

Decarbonize Existing Buildings



Actions

Reduce energy usage in existing residential buildings, particularly existing residential buildings not covered by any reach code requirements

Supporting actions

Explore updating the Home Energy Score Assessment Program

Leverage Clean Energy Alliance and SDG&E customer programs, or other similar programs

Seek external funding to launch and/or leverage existing pilot programs and incentives to support existing building decarbonization (e.g., appliance exchange, weatherization, solar PV installation, battery storage)

Leverage building stock analysis (prepared for E-5) to target existing buildings



GHG reduction

2035 22,356 metric tons

2045 44,305 metric tons



How will we measure success?

Reduce 30% natural gas use from existing buildings (equivalent to electrifying 12,000 homes, or approximately 25% of the housing units in 2045)

Data to be used

of homes participating in programs; # of homes fully or partially electrified; reduction in natural gas use at homes participating in programs; residential energy usage data from utility providers



What other benefits do these actions provide?

Reduced energy use; improved air quality; improved public health; increased local green jobs



Timeframe

Long-term



Equity considerations

Target outreach and incentives for multifamily, low-income, seniors, etc.; explore new pilot phase for Home Energy Score Assessment Program to provide free scores to low-income, multi-family, seniors, etc.

Solid Waste and Organic Waste Diversion



Actions

Reduce waste disposal to 4.2 pounds per person per day (or the equivalent of a 75% diversion rate) by 2035 and thereafter

Divert 75% organic waste (85% from residential and 15% from commercial) by 2035 and thereafter

Supporting actions

Research ordinance for requirement of a percentage of disposal for organic waste

Encourage maximum organics diversion from local businesses

Establish a Construction & Demolition diversion program

Maximize edible food recovery

Establish a program for permitted haulers for proper diversion of all waste streams

Continue implementing existing Sustainable Materials Management systems and ordinances citywide, including at city facilities and events

Continue implementing existing compost and mulch giveaway programs; explore launching new giveaway programs that target specific users

Update the city's sustainable purchasing policy to include regulatory requirements for sustainable procurement

Pursue vendor contracts to help implement diversion goals and monitor compliance



GHG reduction

2035 31,776 metric tons

2045 37,040 metric tons



How will we measure success?

75% diverted solid waste; 75% diverted organic waste

Data to be used

Disposal of solid waste; tons of edible food recovered; disposal of organic waste



What other benefits do these actions provide?

Reduced waste; increased local green jobs



Timeframe

Ongoing



Equity considerations

Outreach and incentive/rebate programs for multi-family, low-income, seniors, etc.

Traffic Calming & Optimization



Actions

Continue optimizing traffic signals within the city, adjusting as needed as traffic volumes and conditions change, and coordinating along major corridors

Install roundabouts or traffic circles when feasible, utilizing the city's engineering standard for intersection control

Supporting actions

Leverage the Sustainable Mobility Plan and Intersection Control Evaluation engineering standards to determine the location of new roundabouts and traffic circles



GHG reduction

2035 1,334 metric tons

2045 746 metric tons



How will we measure success?

of roundabouts and traffic circles; # of traffic signals optimized

10 roundabouts or traffic circles by 2035

Traffic signals optimized at 20 intersections by 2035

Data to be used

of roundabouts and traffic circles; # of traffic signals optimized



What other benefits do these actions provide?

Reduced waste; increased local green jobs



Timeframe

Ongoing



Equity considerations

Layer social, economic, and environmental data to assess where improvements go

Transportation Demand Management Ordinance



Actions

Continue implementing and enforcing existing Transportation Demand Management ordinance mandating TDM improvements and strategies for non-residential development

Update TDM ordinance to modify existing threshold for compliance (e.g., reducing Average Daily Trips threshold) as well as streamlining of other reporting requirements, as appropriate, by 2045

Supporting actions

Continue surveying businesses, pursuant to the TDM ordinance, to monitor implementation and track compliance

Update TDM strategies as new technology emerges

Educate commuters on alternative commute choices and resources available



GHG reduction

2035 3,254 metric tons
2045 8,533 metric tons



How will we measure success?

Current TDM ordinance metric (40% alternative mode share for new development and 30% for existing development by 2035)

Date ordinance updated

Data to be used

Mode shift for commuters based on TDM surveys; # of businesses involved; updates to TDM Handbook

of employees of the businesses (new development, existing buildings/tenant improvements)



What other benefits do these actions provide?

Improved air quality; reduced



Timeframe

Ongoing



Equity considerations

Explore creating incentives for implementing TDM plan strategies for community-based organizations

Safe Routes to School



Actions

Continue implementing a Safe Routes to School program to encourage walking and biking to school

Supporting actions

Leverage the city's Sustainable Mobility Plan to determine location-specific improvements

Seek funding to launch Safe Routes to Schools programs at additional school sites

Leverage the Sustainable Mobility Plan to conduct Safe Routes to School-related education and outreach activities at schools throughout the city



GHG reduction

2035 70 metric tons
2045 39 metric tons



How will we measure success?

Mode share at schools with Safe Routes to Schools programs

of students walk or bike to school at schools with Safe Routes to Schools programs

Data to be used

Mode share counts at program sites; # of students walking or biking to school at program sites



What other benefits do these actions provide?

Enhanced safety; improved public safety



Timeframe

Ongoing



Equity considerations

Layer social, economic, and environmental data to assess where improvements go

Bikeway System Improvements



Actions

Construct 7.9 added miles of bike lanes

Improve 61.2 miles of Class II bike lanes to Class II buffered bike lanes

Continue other bikeway system improvements, as available

Supporting actions

Leverage the city's Sustainable Mobility Plan to determine location of bikeway system improvements and secure bike parking and/or storage

Explore launch of a citywide bikeshare program, such as the City of Encinitas's program

Evaluate the city's Supportive Bicycle Infrastructure, such as adding new bicycle parking at highly used coastal destinations, bike repair stations, and additional bike-related amenities



GHG reduction

2035 566 metric tons

2045 324 metric tons



How will we measure success?

Miles of added bike lanes installed by class; existing bike lanes improved by class

Data to be used

Active Transportation monitoring report for mode share counts; amount of bike lane installed and improved



What other benefits do these actions provide?

Enhanced safety, reduced traffic congestion, improved access to low-cost transportation options, improved public health, improved air quality



Timeframe

Ongoing



Equity considerations

Layer social, economic, and environmental data to assess where improvements go

Pedestrian System Improvements



Actions

Add 60.5 miles of sidewalk

Supporting actions

Utilize the city's Sustainable Mobility Plan and Multimodal Traffic Impact Fee to identify suitable locations for pedestrian system improvements, focusing on creating safer and more user-friendly infrastructure to facilitate ease of use for pedestrians



GHG reduction

2035 547 metric tons

2045 307 metric tons



How will we measure success?

Miles of sidewalk installed; miles of sidewalk improved

Data to be used

Amount of sidewalk installed; amount of sidewalk improved



What other benefits do these actions provide?

Enhanced safety, improved public health, reduced traffic congestion, improved access to low-cost transportation options, enhanced community character, improved air quality



Timeframe

Ongoing



Equity considerations

Layer social, economic, and environmental data to assess where improvements go

Local Transportation Improvements



Actions

Explore local transportation improvements to provide sustainable on-demand, flexible fleet transit and first mile last-mile solutions

Supporting actions

Leverage existing regional transportation plans (e.g., North County Comprehensive Multimodal Corridor Plan) to add or update improvements to the transportation system within Carlsbad

Leverage the Multimodal Transportation Impact Fee for implementation of local transportation improvements

Coordinate with regional and local agencies and partners on influencing transportation improvements throughout the region and within Carlsbad



GHG reduction

2035 N/A metric tons

2045 N/A metric tons



How will we measure success?

Information from pending MTIF update

Data to be used

Ridership/usage data once local improvements are launched; TBID Circuit program data; AT Monitoring report; annual GMP monitoring program for vehicle traffic volumes



What other benefits do these actions provide?

Improved public health, improved access to low-cost transportation options, improved community character, improved air quality



Timeframe

N/A



Equity considerations

Layer social, economic, and environmental data to assess where improvements go

Municipal Transportation Demand Management Program



Actions

Continue implementing existing telecommute program for eligible city staff

Supporting actions

Establish a comprehensive Transportation Demand Management program for city staff to provide resources and incentives for alternative commutes, such as a carpool matching program for city staff



GHG reduction

2035 92 metric tons

2045 51 metric tons



How will we measure success?

Alternative commute rates; distance traveled

Data to be used

Telecommuting data; other TDM program participation data, if launched; travel distance between home and work for staff who telecommute



What other benefits do these actions provide?

Improved air quality, reduced traffic congestion, improved public health



Timeframe

Ongoing



Equity considerations

N/A

Increase Public Zero Emission Infrastructure



Actions

Increase the number of zero emission miles traveled within the city by installing and incentivizing public zero emission vehicle and bicycle infrastructure

Supporting actions

Seek external funding and/or partnerships for installation of zero emission vehicle and bicycle infrastructure (e.g., Clean Energy Alliance customer programs)

Explore creation of incentive programs for new construction and existing buildings to install zero emission vehicle and bicycle infrastructure beyond building code requirements

Continue education and outreach on zero emission vehicle options and rebates

Update existing Electric Vehicle Siting Plan to incorporate additional sites for zero emission vehicle and bicycle infrastructure, as well as new technologies, expanded zero emission vehicle types, and best practices

Explore employee purchase programs to encourage workplace charging for city staff



GHG reduction

2035 N/A (supporting Advanced Clean Cars II) metric tons
2045 N/A (supporting Advanced Clean Cars II) metric tons



How will we measure success?

of charging stations installed

Data to be used

kWH distributed from public-facing chargers; DMV/CVRP data on # of ZEVs purchased/licensed citywide; # of charging stations installed



What other benefits do these actions provide?

Improved air quality



Timeframe

Ongoing



Equity considerations

Prioritize installation using social, economic, and environmental data

Launch and/or promote incentive or rebate programs to install zero-emission charging infrastructure and/or purchase zero-emission vehicles

Zero Emission City Fleet



Actions

Continue transition and expansion of the city’s zero emission fleet
Install zero emission charging infrastructure to support fleet conversion needs

Supporting actions

Establish city fleet regulations for idling
Update fleet conversion plan to include updates to technology, legislation, and other best practices
Research technology options and purchase technology to sustain city fleet operations during emergencies
Transition all passenger fleet vehicle purchases after FY 2022-23 to be electric vehicles, with the exception of public safety vehicle purchases, which will be electric where feasible
Update city policies to encourage use of zero emission vehicles wherever feasible



GHG reduction

2035 1,059 metric tons
2045 592 metric tons



How will we measure success?

Fleet vehicle purchase policies established; # of fleet vehicles transition to zero-emission; total % of fleet that is zero emission

100% of fleet light-duty vehicles and trucks to be zero emission; 100% of fleet heavy duty vehicles to use renewable diesel

Data to be used

of zero-emission fleet vehicles; petroleum fuel reduction; kWh chargers from fleet zero emission charging station



What other benefits do these actions provide?

Improved air quality, improved public health



Timeframe

Ongoing



Equity considerations

N/A

Parking Management Strategies



Actions

Reduce vehicle miles traveled per capita citywide through parking management strategies

Supporting actions

Implement and update city's parking management strategies (e.g., Parking Study and Management Plan, Village and Barrio Master Plan) to encourage alternative modes of transportation throughout the city



GHG reduction

2035 N/A metric tons
2045 N/A metric tons



How will we measure success?

Information from pending Parking Study and Management Plan update

Data to be used

VMT per capita



What other benefits do these actions provide?

Improved air quality, improved public health



Timeframe

Long-term



Equity considerations

Layer social, economic, and environmental data to assess where improvements go

Convert Gas-Powered Leaf Blowers



Actions

Develop, adopt, and implement an ordinance prohibiting the use of gas-powered leaf blowers

Supporting actions

Leverage existing State and regional resources to promote trade-in of existing gas-powered leaf blowers or other similar incentives

Conduct outreach regarding the new requirements



GHG reduction

2035 396 metric tons

2045 386 metric tons



How will we measure success?

Ordinance adopted

Reduce 100% emissions from gas-powered leaf blowers by 2035 and thereafter

Data to be used

Data on # of calls for public usage; # of leaf blowers converted in city equipment



What other benefits do these actions provide?

Reduced energy use, improved public health, improved air quality



Timeframe

Short-term



Equity considerations

Launch and/or promote incentive program for trading out leaf-blowers

Increase Renewable or Alternative Fuel Construction Equipment



Actions

Develop, adopt, and implement an ordinance requiring new developments and significant land moving and construction projects to use electric powered or alternatively fueled construction equipment that reduces 50% of emissions from project construction activities

Supporting actions

Exempt small residential and non-residential projects from this requirement

Conduct outreach regarding new requirements

Seek external funding and leverage existing resources to support conversion of medium and heavy duty vehicles



GHG reduction

2035 4,698 metric tons
2045 15,081 metric tons



How will we measure success?

Ordinance adopted

Reduce 50% emissions from construction activities by 2045

Data to be used

Fuel reduced by construction equipment



What other benefits do these actions provide?

Improved air quality; improved public health



Timeframe

Medium-term



Equity considerations

Support high-road green job growth

Community Forest Management



Actions

Increase city's tree inventory by continuing to implement the Community Forest Management Plan

To help sustain the city's tree inventory, continue replacing trees at a 2:1 ratio

Conduct an inventory to assess urban canopy cover every five years

Supporting actions

Explore additional locations for tree planting beyond what is included in the Community Forest Management Plan, with "right tree right space", ongoing budget, and maintenance costs taken into consideration

Encourage eligible residents to take part in a free street tree planting assessment



GHG reduction

2035 7,536 metric tons

2045 11,984 metric tons



How will we measure success?

of trees added

Add an average 500 new trees to city's tree inventory per year through 2025 (3,500 total trees)

Achieve 32% urban canopy cover, or double the current canopy cover, by 2045

Data to be used

of trees added per year; # of trees replaced per year; citywide tree canopy cover



What other benefits do these actions provide?

Reduced heat island effects, enhanced community character, improved air quality, improved water quality, improved public health, increased natural habitat, improved resilience to climate impacts



Timeframe

Ongoing



Equity considerations

Prioritize tree planting using social, economic, and environmental data

Resumen de las acciones propuestas para reducir las emisiones de gases de efecto invernadero en Carlsbad

A efecto de respaldar los ambiciosos objetivos de reducción de emisiones de California, en 2015, la ciudad de Carlsbad fue una de las primeras ciudades del condado en adoptar un Plan de Acción Climática que establece estrategias y normas para reducir las emisiones de gases de efecto invernadero de manera mensurable.

Los Planes de Acción Climática son mapas de trayectoria integrales que describen las actividades específicas que emprenderá una agencia gubernamental para reducir las emisiones de gases de efecto invernadero. Los Planes de Acción Climática generalmente se centran en aquellas actividades que pueden lograr las reducciones de emisiones relativamente superiores con mayor eficiencia de costo. Estos planes normalmente incluyen:

- Iniciativas y acciones específicas patrocinadas por la ciudad controladas por esta directamente, como las operaciones en los edificios de la ciudad y los tipos de automóviles en la flota de la ciudad.
- Normas para dirigir, guiar o influir en acciones de terceros, como el requisito de reciclar restos de comida y los estándares de eficiencia energética para la construcción de nuevos edificios.

Leyes estatales

El Proyecto de Ley 32 de la Asamblea de California, conocido como Ley de Soluciones al Calentamiento Global de 2006, fue el primer programa del país que adoptó un enfoque integral y de largo plazo para abordar el cambio climático.

El Proyecto de Ley del Senado 32, aprobado en 2016, amplía el [Proyecto de ley 32 de la Asamblea](#) y requiere una reducción de las emisiones de gases de efecto invernadero de al menos un 40% por debajo de los niveles de 1990 para 2030 y, a través del Proyecto de Ley 1279 de la Asamblea, aprobado en 2022, un requisito a largo plazo para reducir emisiones de gases de efecto invernadero al menos un 85% por debajo de los niveles de 1990 para 2045.

¿Por qué la ciudad actualiza su Plan de Acción Climática?

Desde 2015, se han actualizado los objetivos estatales y tenemos información más actualizada sobre la cantidad de emisiones de GEI generadas por diferentes fuentes en Carlsbad. Esto se llama nuestro "inventario de GEI".

¿Qué son exactamente las emisiones de gases de efecto invernadero?

Los gases que atrapan el calor en la atmósfera con frecuencia se denominan “gases de efecto invernadero” o GEI (o GHG, por sus siglas en inglés). La quema de combustibles fósiles genera emisiones de gases de efecto invernadero, como dióxido de carbono y metano, que contribuyen al cambio climático.

Los principales GEI que se están emitiendo a la atmósfera incluyen:

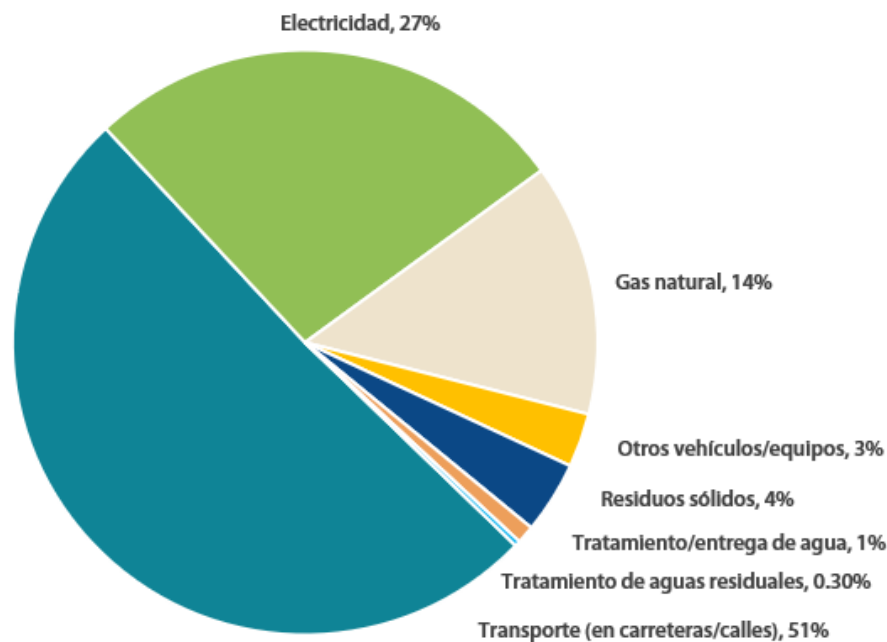
- Dióxido de carbono (CO₂)
- Metano (CH₄)
- Óxido nitroso (N₂O)
- Hidrofluorocarbonos (HFC)
- Perfluorocarbonos (PFC)
- Hexafluoruro de azufre (SF₆)
- Trifluoruro de nitrógeno (NF₃)

¿Cómo se generan los GEI?

Las emisiones de gases de efecto invernadero normalmente provienen de las siguientes acciones:

- El funcionamiento de oficinas municipales, centros comunitarios, bibliotecas y otros edificios.
- Energía necesaria para operar alumbrado público y señales de tránsito
- Energía necesaria para bombear agua a hogares y empresas
- Energía necesaria para bombear aguas residuales desde hogares y negocios a la planta de tratamiento residual, más la energía para tratar y eliminar dichas aguas residuales.
- Vehículos, como camiones de bomberos, coches de policía, camiones utilitarios y coches.
- Equipos como *bulldozers*, volquetes y excavadoras.
- Generación de energía para hogares y empresas.
- Energía necesaria para recolectar y procesar basura, reciclaje y materia orgánica.

Fuentes de GEI en Carlsbad



Centro de Iniciativas de Política Energética, Universidad de San Diego, 2023

Plan de Acción Climática



Inventario de referencia



Adopción del objetivo



Previsión de emisiones



Selección de estrategia

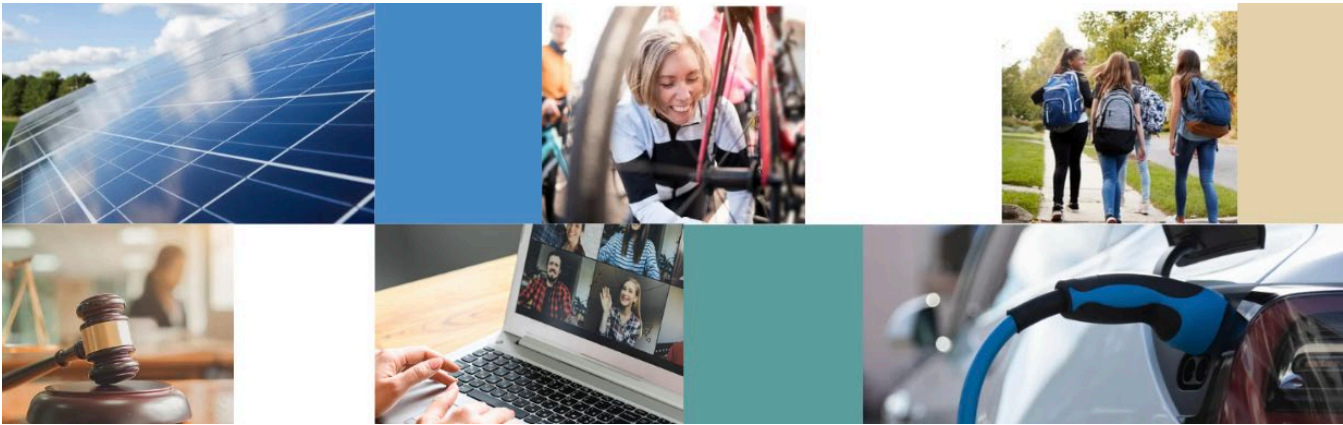


Financiamiento e implementación



Monitoreo y seguimiento del progreso

Acciones propuestas



A principios de 2022, la ciudad pidió al público que ayudara a dar forma a la Actualización del Plan de Acción Climática, brindando información sobre las necesidades y prioridades de sustentabilidad ambiental. Este aporte público se utilizó para ayudar a desarrollar las siguientes acciones propuestas para reducir las emisiones de gases de efecto invernadero.

- Reducciones de GEI proyectadas
- Medidas de éxito
- Datos a utilizar
- Beneficios relacionados
- Periodo de tiempo
- Consideraciones de equidad

Aguas residuales/mejoras al sistema de aguas residuales



Acciones

Continuar realizando mejoras en el sistema de recolección de la ciudad de Carlsbad, incluidas, entre otras, la mejora de las estaciones de bombeo.

Acciones de apoyo

Actualizar el Plan Maestro de Aguas Residuales de la ciudad.

Explorar mejoras al sistema basadas en el Plan Maestro de Aguas Residuales actualizado.



Reducción GEI

2035	59 toneladas métricas
2045	0 toneladas métricas



¿Cómo vamos a medir los logros?

Uso de energía en instalaciones de aguas residuales.

Reducir en un 10% la intensidad energética en la recolección de aguas residuales para 2035 y suministrar a las estaciones de bombeo electricidad 100% renovable/libre de carbono de *Clean Energy Alliance*.

Información a utilizar

Datos de energía/uso de aguas residuales.



¿Qué otros beneficios aportan estas acciones?

Mejora de la calidad del agua en nuestros océanos y lagunas.



Cronograma

En curso.



Consideraciones de equidad

Promover programas de reembolsos o incentivos (por ejemplo, multifamiliares, de bajos ingresos).

Mejoras al sistema de agua



Acciones

Continuar realizando mejoras en los sistemas de agua potable y reciclada del Distrito Municipal de Agua de Carlsbad, incluidas, entre otras, la actualización de las bombas de agua reciclada, la ampliación del uso de agua reciclada y el uso de energía renovable para alimentar las instalaciones.

Acciones de apoyo

Continuar explorando opciones locales de suministro de agua y evaluar la viabilidad y la relación costo-beneficio.

Evaluar la viabilidad y buscar financiación para energía renovable y/o almacenamiento en las instalaciones del Distrito Municipal de Agua de Carlsbad.



Reducción GEI

2035	1,516 toneladas métricas.
2045	1,583 toneladas métricas.



¿Cómo vamos a medir los logros?

Datos de uso de agua/energía

Lograr la conservación activa y pasiva del agua descrita en el UWMP de 2020 (2295 AF dentro del área de servicio de CMWD y 2981 AF dentro de toda la ciudad para 2035).

Suministrar estaciones de bombeo de agua reciclada con electricidad 100% renovable/libre de carbono de *Clean Energy Alliance*.

Información a utilizar

Datos de uso de agua/energía; proyecciones de demanda de agua.



¿Qué otros beneficios aportan estas acciones?

Mejora de la calidad del agua en nuestros océanos y lagunas.



Cronograma

En curso.



Consideraciones de equidad

Promover programas de reembolsos o incentivos (por ejemplo, multifamiliares, de bajos ingresos).

Energías renovables en instalaciones municipales



Acciones

- Aumentar al 100% el porcentaje de electricidad renovable comprada para las instalaciones existentes de la ciudad; así como el alumbrado público y seguridad.
- Hacer que la electricidad 100% renovable sea la opción predeterminada para las nuevas instalaciones de la ciudad.
- Eliminar el uso de gas natural de las instalaciones de la ciudad.

Acciones de apoyo

- Coordinar con los proveedores de energía de la ciudad la compra de electricidad 100% renovable (por ejemplo, nivel de “Impacto Verde” de *Clean Energy Alliance*).
- Continuar certificando instalaciones de la ciudad en el Programa *Green Business* de Carlsbad para incorporar tantas actividades sostenibles como sea posible.
- Colaborar con las asociaciones locales y regionales; y buscar financiación para respaldar las mejoras de eficiencia energética identificadas.
- Actualizar todo el alumbrado público y de seguridad a opciones más eficientes energéticamente.



Reducción GEI

2035	396 toneladas métricas.
2045	386 toneladas métricas.



¿Cómo vamos a medir los logros?

Fecha de adhesión a *Clean Energy Alliance* (estimada para 2025); fecha de eliminación del gas natural.

Información a utilizar

de instalaciones con electricidad 100% renovable.
de alumbrado público y de seguridad con electricidad 100% renovable.



¿Qué otros beneficios aportan estas acciones?

Reducción del consumo de energía.



Cronograma

A largo plazo.



Consideraciones de equidad

Establecer instalaciones urbanas adicionales como “zonas frías” utilizando datos sociales, económicos y ambientales.

Apoyar el crecimiento de empleos verdes de alto nivel.

Energía de elección comunitaria (Community Choice Energy)



Acciones

Continuar la participación en el programa *Community Choice Energy* de *Clean Energy Alliance*.

Acciones de apoyo

Explorar la compra de créditos de energía renovable si el programa *Community Choice Energy* no alcanza la meta para 2035.

Apoyar la promoción de los programas para clientes de *Clean Energy Alliance* y alentar a los clientes de CEA a participar.

Establecer electricidad 100% renovable (por ejemplo, "Impacto verde") como la opción predeterminada para los clientes.



Reducción GEI

2035	17,110 toneladas métricas.
2045	0 toneladas métricas.



¿Cómo vamos a medir los logros?

Tasas de participación en CEA; # de clientes al 100%.

Electricidad 100% renovable (*CEA Green Impact*) como opción CEA predeterminada.

Información a utilizar

Tasas de participación en CEA.

de clientes 100% renovables.

de clientes que optan por menos de 100% renovable.



¿Qué otros beneficios aportan estas acciones?

Reducción del consumo de energía.



Cronograma

En curso.



Consideraciones de equidad

Promover los programas para clientes de *Clean Energy Alliance*.

Eficiencia energética de edificios no residenciales y energías renovables



Acciones

- Continuar implementando las ordenanzas existentes sobre eficiencia energética de edificios y calentadores de agua (adoptadas en 2019).
- Actualizar el código de construcción de la ciudad, o “código de alcance”, con requisitos de eficiencia energética y energía renovable en edificios no residenciales (nuevas construcciones + adiciones/modificaciones por encima de un cierto umbral).
- *La reducción de las emisiones de GEI para 2035 y 2045 solo supone la implementación de la acción primaria 1.

Acciones de apoyo

- Analizar la viabilidad de sitios elegibles para infraestructura de energía renovable en todas las instalaciones de la ciudad, aprovechando cualquier análisis preexistente que resulte aplicable.
- Evaluar la viabilidad de instalar paneles solares en plazas de estacionamiento en las instalaciones de la ciudad.
- Buscar subvenciones para la instalación de infraestructura de energía renovable en instalaciones urbanas nuevas y existentes (por ejemplo, energía solar, almacenamiento de baterías, microrredes).



Reducción GEI

2035	770 toneladas métricas.
2045	1,296 toneladas métricas.



¿Cómo vamos a medir los logros?

- Actualización del código de alcance adoptada.
- El número de edificios a los que se aplicaría la actualización del código de alcance.

Información a utilizar

- # y tamaño de proyectos instalados.
- Uso de energía de los proyectos (p. ej., kWh)
- Datos del permiso de construcción aplicables al código de alcance (nº de edificios, pies cuadrados de espacios de construcción, etc.)



¿Qué otros beneficios aportan estas acciones?

Reducción del consumo de energía.



Cronograma

En curso.



Consideraciones de equidad

Apoyar el crecimiento de empleos verdes de alto nivel.

Eficiencia energética de edificación residencial y energías renovables



Acciones

- Continuar implementando las ordenanzas existentes sobre eficiencia energética de edificios y calentadores de agua (adoptadas en 2019).
- Actualizar el código de construcción de la ciudad, o “código de alcance”, con requisitos de eficiencia energética y energía renovable en edificios residenciales (nuevas construcciones + adiciones/modificaciones por encima de un cierto umbral).

Acciones de apoyo

- Explorar la actualización del Programa de evaluación de puntaje de energía del hogar.
- Aprovechar los programas para clientes de *Clean Energy Alliance* y *SDG&E*, u otros programas similares.
- Explorar programas piloto e incentivos para educar a los residentes sobre eficiencia energética y opciones de energía renovable para edificios nuevos y existentes.



Reducción GEI

2035	3,212 toneladas métricas.
2045	3,710 toneladas métricas.



¿Cómo vamos a medir los logros?

Actualización del código de alcance adoptada

El número de edificios (viviendas unifamiliares y multifamiliares) y el número de calentadores de agua que a los cuales se aplicaría la actualización del código de alcance.

Información a utilizar

Datos del permiso de construcción aplicables al código de alcance.



¿Qué otros beneficios aportan estas acciones?

Reducción del consumo de energía.



Cronograma

En curso.



Consideraciones de equidad

- Explorar una nueva fase piloto para el Programa de Evaluación de Puntuación de Energía del Hogar para proporcionar puntuaciones gratuitas a familias multifamiliares, de bajos ingresos, personas mayores, etcétera.
- Apoyar el crecimiento de empleos verdes de alto nivel.
- Diseñar nuevos programas piloto o incentivos dirigidos a personas de bajos ingresos, multifamiliares, personas mayores, etc

Evaluación comparativa energética de edificios



Acciones

Desarrollar, adoptar e implementar una ordenanza de evaluación comparativa de energía en edificios.

Acciones de apoyo

Preparar un análisis del stock de edificios.

Explorar opciones y mejores prácticas para exigir que los edificios comerciales y residenciales existentes de cierto tamaño presenten anualmente sus datos energéticos.

Llevar a cabo educación y divulgación a los propietarios de edificios y al público sobre los nuevos requisitos.



Reducción GEI

2035	4,308 toneladas métricas.
2045	7,358 toneladas métricas.



¿Cómo vamos a medir los logros?

de edificios dentro de los requisitos de la ordenanza

Metros cuadrados de construcción dentro de los requisitos de la ordenanza.

Información a utilizar

Datos de evaluación comparativa enviados a través del gestor de proyectos (*Portfolio Manager*).



¿Qué otros beneficios aportan estas acciones?

Reducción del consumo de energía.



Cronograma

A mediano plazo.



Consideraciones de equidad

Diseñar el programa para que sea “la equidad primero”, aprovechando los recursos existentes de otras jurisdicciones (por ejemplo, las ciudades de Seattle, Denver y Minneapolis).

Descarbonización de los edificios existentes



Acciones

Reducir el uso de energía en edificios residenciales existentes, particularmente en edificios residenciales existentes que no están cubiertos por ningún requisito del código de alcance.

Acciones de apoyo

- Explorar la actualización del Programa de Evaluación de Puntuación de Energía del Hogar.
- Aprovechar los programas para clientes de *Clean Energy Alliance* y SDG&E, u otros programas similares.
- Buscar financiación externa para lanzar y/o aprovechar programas piloto e incentivos existentes para apoyar la descarbonización de los edificios existentes (por ejemplo, intercambio de electrodomésticos, climatización, instalación de energía solar fotovoltaica, almacenamiento de baterías).
- Aprovechar el análisis del stock de edificios (preparado para E-5) para centrarse en los edificios existentes.



Reducción GEI

2035	22,356 toneladas métricas.
2045	44,305 toneladas métricas.



¿Cómo vamos a medir los logros?

Reducir un 30% el uso de gas natural en los edificios existentes (equivalente a electrificar 12.000 hogares, o aproximadamente el 25% de las unidades de vivienda en 2045).

Información a utilizar

de hogares que participan en programas; # de viviendas total o parcialmente electrificadas; reducción del uso de gas natural en los hogares participantes de los programas; datos de uso de energía residencial de proveedores de servicios públicos.



¿Qué otros beneficios aportan estas acciones?

Reducción del uso de energía; mejora de la calidad del aire; mejora de la salud pública; aumento de empleos verdes locales.



Cronograma

A largo plazo.



Consideraciones de equidad

Enfocarse en la divulgación y los incentivos para los hogares multifamiliares, de bajos ingresos, personas mayores, etc; explorar una nueva fase piloto para el Programa de Evaluación de Puntuación de Energía del Hogar para proporcionar puntuaciones gratuitas a hogares de bajos ingresos, multifamiliares, personas mayores, etc.

Desvío de residuos sólidos y residuos orgánicos



Acciones

- Reducir la eliminación de desechos a 4,2 libras por persona por día (o el equivalente a una tasa de desvío del 75%) para 2035 y en lo sucesivo.
- Desviar el 75% de los residuos orgánicos (85% de los residenciales y 15% de los comerciales) para 2035 y en lo sucesivo.

Acciones de apoyo

- Ordenanza de investigación para exigencia de un porcentaje de eliminación de residuos orgánicos
- Fomentar el máximo desvío de productos orgánicos de los locales.
- Empresas
- Establecer un programa de desvío de Construcción y Demolición
- Maximizar la recuperación de alimentos comestibles
- Establecer un programa para transportistas autorizados para el desvío adecuado de todos los flujos de residuos.
- Continuar implementando los sistemas y ordenanzas existentes de gestión de materiales sostenibles en toda la ciudad, incluso en instalaciones y eventos de la ciudad.
- Continuar implementando programas existentes de entrega de abono y mantillo; explorar el lanzamiento de nuevos programas de obsequios dirigidos a usuarios específicos
- Actualizar la política de compras sostenibles de la ciudad para incluir requisitos reglamentarios para adquisiciones sustentables.
- Buscar contratos con proveedores para ayudar a implementar objetivos de desvío y monitorear el cumplimiento.



Reducción GEI

2035	31,776 toneladas métricas.
2045	37,040 toneladas métricas.



¿Cómo vamos a medir los logros?

75% de residuos sólidos desviados; 75% de residuos orgánicos desviados.

Información a utilizar

Eliminación de residuos sólidos; toneladas de alimentos comestibles recuperados; eliminación de residuos orgánicos.



¿Qué otros beneficios aportan estas acciones?

Reducción de residuos; aumento de empleos verdes locales.



Cronograma

En curso.



Consideraciones de equidad

Programas de divulgación e incentivos/reembolsos para hogares multifamiliares, de bajos ingresos, personas mayores, etc.

Reducción y optimización del tráfico vial



Acciones

Continuar optimizando las señales de tráfico dentro de la ciudad, ajustándolas según sea necesario a medida que cambien los volúmenes y las condiciones del tráfico, y coordinando a lo largo de los corredores principales.

Instalar rotondas o glorietas cuando sea posible, utilizando el estándar de ingeniería de la ciudad para el control de intersecciones.

Acciones de apoyo

Aprovechar los estándares de ingeniería del Plan de Movilidad Sostenible y la Evaluación de Control de Intersecciones para determinar la ubicación de nuevas rotondas y glorietas.



Reducción GEI

2035	1,334 toneladas métricas.
2045	746 toneladas métricas.



¿Cómo vamos a medir los logros?

de rotondas y rotondas; # de señales de tráfico optimizadas.

10 rotondas o glorietas para 2035.

Semáforos optimizados en 20 intersecciones para 2035.

Información a utilizar

de rotondas y rotondas; # de señales de tráfico optimizadas.



¿Qué otros beneficios aportan estas acciones?

Reducción de residuos; aumento de empleos verdes locales.



Cronograma

En curso.



Consideraciones de equidad

Analizar datos sociales, económicos y ambientales para evaluar hacia dónde van las mejoras.

Ordenanza de gestión de la demanda de transporte



c

- Continuar implementando y haciendo cumplir la ordenanza existente de Gestión de la Demanda de Transporte que exige mejoras y estrategias de TDM para el desarrollo no residencial.
- Actualizar la ordenanza TDM para modificar el umbral existente de cumplimiento (por ejemplo, reducir el umbral de promedio de viajes diarios), así como simplificar otros requisitos de presentación de informes, según corresponda, para 2045.

Acciones de apoyo

- Continuar encuestando empresas, conforme al MDT ordenanza, para monitorear la implementación y realizar un seguimiento de su cumplimiento.
- Actualizar las estrategias de TDM a medida que surja nueva tecnología.
- Educar a los viajeros sobre opciones alternativas de viaje y recursos disponibles.



Reducción GEI

2035	3,254 toneladas métricas.
2045	8,533 toneladas métricas.



¿Cómo vamos a medir los logros?

Métrica de ordenanza TDM actual (40% de participación en modos alternativos para nuevos desarrollos y 30% para desarrollos existentes para 2035)

Fecha de actualización de la ordenanza.

Información a utilizar

Cambio de modo para viajeros basado en encuestas TDM; # de empresas involucradas; actualizaciones del manual de TDM.

de empleados de las empresas (nuevo desarrollo, edificios existentes/mejoras de inquilinos).



¿Qué otros beneficios aportan estas acciones?

Mejora de la calidad del aire; reducción de residuos



Cronograma

En curso.



Consideraciones de equidad

Explorar la creación de incentivos para implementar estrategias del plan TDM para organizaciones comunitarias.

Rutas seguras a la escuela.



Acciones

Continuar implementando un programa de Rutas Seguras a la Escuela para fomentar caminar y andar en bicicleta a la escuela.

Acciones de apoyo

Aprovechar el Plan de Movilidad Sostenible de la ciudad para determinar mejoras específicas de la ubicación.

Buscar fondos para lanzar programas de Rutas Seguras a las Escuelas en sitios escolares adicionales.

Aprovechar el Plan de Movilidad Sostenible para llevar a cabo actividades educativas y de divulgación relacionadas con Rutas Seguras a la Escuela en escuelas de toda la ciudad.



Reducción GEI

2035
2045

70 toneladas métricas.
39 toneladas métricas.



¿Cómo vamos a medir los logros?

Modo compartido en escuelas con programas Rutas Seguras a las Escuelas

de estudiantes que caminan o van en bicicleta a la escuela en escuelas con programas de Rutas Seguras a las Escuelas

Información a utilizar

El modo compartido cuenta en los sitios del programa; # de estudiantes caminando o en bicicleta a la escuela en los sitios del programa



¿Qué otros beneficios aportan estas acciones?

Seguridad mejorada; mejora de la seguridad pública.



Cronograma

En curso.



Consideraciones de equidad

Analizar datos sociales, económicos y ambientales para evaluar hacia dónde van las mejoras.

Mejoras al sistema de ciclovías



Acciones

Construir 7.9 millas adicionales de carriles para bicicletas

Mejorar 61.2 millas de carriles para bicicletas Clase II a Clase II carriles bici protegidos

Continuar con otras mejoras al sistema de ciclovías, según estén disponibles.

Acciones de apoyo

Aprovechar el Plan de Movilidad Sostenible de la ciudad para determinar la ubicación de las mejoras del sistema de ciclovías y el estacionamiento y/o almacenamiento seguro de bicicletas.

Explore el lanzamiento de un programa de bicicletas compartidas en toda la ciudad, como el programa de la ciudad de Encinitas.

Evaluar la infraestructura de apoyo para bicicletas de la ciudad, como agregar nuevos estacionamientos para bicicletas en destinos costeros muy utilizados, estaciones de reparación de bicicletas y servicios adicionales relacionados con las bicicletas.



Reducción GEI

2035	566 toneladas métricas.
2045	324 toneladas métricas.



¿Cómo vamos a medir los logros?

Millas de carriles para bicicletas adicionales instalados por clase; Carriles para bicicletas existentes mejorados por clase.

Información a utilizar

Informe de monitoreo de transporte activo para recuentos de modos compartidos; aumento y mejora de los carriles para bicicletas.



¿Qué otros beneficios aportan estas acciones?

Mayor seguridad, reducción de la congestión del tráfico, mejor acceso a opciones de transporte de bajo costo, mejor salud pública, mejor calidad del aire.



Cronograma

En curso.



Consideraciones de equidad

Analizar datos sociales, económicos y ambientales para evaluar hacia dónde van las mejoras.

Mejoras al sistema peatonal



Acciones

Agregar 60.5 millas de aceras.

Acciones de apoyo

Utilizar el Plan de Movilidad Sostenible y la Tarifa de Impacto del Tráfico Multimodal de la ciudad para identificar ubicaciones adecuadas para mejoras del sistema peatonal, enfocándose en crear una infraestructura más segura y fácil de usar para facilitar el uso de los peatones.



Reducción GEI

2035
2045

547 toneladas métricas.
307 toneladas métricas.



¿Cómo vamos a medir los logros?

Millas de acera instaladas; millas de acera mejoradas

Información a utilizar

Cantidad de aceras instaladas; cantidad de aceras mejoradas.



¿Qué otros beneficios aportan estas acciones?

Mayor seguridad, mejor salud pública, reducción de la congestión del tráfico, mejor acceso a opciones de transporte de bajo costo, mayor carácter comunitario, mejor calidad del aire



Cronograma

En curso.



Consideraciones de equidad

Analizar datos sociales, económicos y ambientales para evaluar hacia dónde van las mejoras.

Mejoras en el transporte local



Acciones

Explorar mejoras en el transporte local para brindar transporte de flota flexible y sustentable a pedido y soluciones de primera milla y última milla.

Acciones de apoyo

Aprovechar los planes de transporte regionales existentes (por ejemplo, el Plan Integral del Corredor Multimodal del Condado Norte) para agregar o actualizar mejoras al sistema de transporte dentro de Carlsbad.

Aprovechar la Tarifa de Impacto del Transporte Multimodal para la implementación de mejoras en el transporte local.

Coordinar con agencias y socios regionales y locales sobre influyendo en las mejoras del transporte en todo el región y dentro de Carlsbad.



Reducción GEI

2035
2045

N/A toneladas métricas.
N/A toneladas métricas.



¿Cómo vamos a medir los logros?

Información de la actualización MTIF pendiente.

Información a utilizar

Datos de uso/número de pasajeros una vez que se lancen las mejoras locales; Datos del programa del circuito TBID; Informe de seguimiento AT; Programa anual de seguimiento de GMP para volúmenes de tráfico de vehículos.



¿Qué otros beneficios aportan estas acciones?

Mejor salud pública, mejor acceso a opciones de transporte de bajo costo, mejor carácter comunitario, mejor calidad del aire.



Cronograma

N/A



Consideraciones de equidad

Analizar datos sociales, económicos y ambientales para evaluar hacia dónde van las mejoras.

Programa de gestión de la demanda de transporte municipal



Acciones

Continuar implementando el programa de teletrabajo existente para el personal municipal que reúne los requisitos de elegibilidad.

Acciones de apoyo

Establecer un programa integral de gestión de la demanda de transporte para que el personal de la ciudad proporcione recursos e incentivos para viajes alternativos, como un programa de combinación de viajes compartidos para el personal de la ciudad.



Reducción GEI

2035	92 toneladas métricas.
2045	51 toneladas métricas.



¿Cómo vamos a medir los logros?

Tarifas de viaje alternativas; distancia viajada

Información a utilizar

Datos de teletrabajo; otros datos de participación en el programa TDM, si este se implementa; distancia recorrida entre el hogar y el trabajo para el personal que teletrabaja.



¿Qué otros beneficios aportan estas acciones?

Mejora de la calidad del aire, reducción de la congestión del tráfico, mejora de la salud pública.



Cronograma

En curso.



Consideraciones de equidad

N/A

Incrementar la infraestructura pública de cero emisiones



Acciones

Aumentar el número de millas recorridas con cero emisiones dentro de la ciudad mediante la instalación e incentivos de infraestructura pública para vehículos y bicicletas de cero emisiones.

Acciones de apoyo

- Buscar financiación externa y/o asociaciones para la instalación de infraestructura para vehículos y bicicletas con cero emisiones (por ejemplo, programas para clientes de *Clean Energy Alliance*).
- Explorar la creación de programas de incentivos para construcciones nuevas y edificios existentes para instalar infraestructura para vehículos y bicicletas con cero emisiones más allá de los requisitos del código de construcción.
- Continuar con la educación y la divulgación sobre opciones y reembolsos de vehículos con cero emisiones.
- Actualizar el Plan de Ubicación de Vehículos Eléctricos existente para incorporar sitios adicionales para infraestructura de bicicletas y vehículos de cero emisiones, así como nuevas tecnologías, tipos ampliados de vehículos de cero emisiones y mejores prácticas.
- Explorar programas de compra de empleados para fomentar el cobro en el lugar de trabajo para el personal de la ciudad.



Reducción GEI

2035	N/A (que apoyan <i>Advanced Clean Cars II</i>) toneladas métricas.
2045	N/A (que apoyan <i>Advanced Clean Cars II</i>) toneladas métricas.



¿Cómo vamos a medir los logros?

de estaciones de carga instaladas.

Información a utilizar

KWH distribuidos desde cargadores al público; Datos del DMV/CVRP sobre el número de ZEV comprados/licenciados en toda la ciudad; # de estaciones de carga instaladas.



¿Qué otros beneficios aportan estas acciones?

Mejora en la calidad del aire.



Cronograma

En curso.



Consideraciones de equidad

Priorizar la instalación utilizando datos sociales, económicos y ambientales.

Lanzar y/o promover programas de incentivos o reembolsos para instalar infraestructura de carga de cero emisiones y/o comprar vehículos de cero emisiones.

Flota municipal cero emisiones



Acciones

- Continuar la transición y expansión de la flota cero emisiones de la ciudad
- Instalar infraestructura de carga de cero emisiones para respaldar las necesidades de conversión de flotas.

Acciones de apoyo

- Establecer regulaciones para la flota en reposo de la ciudad.
- Actualizar el plan de conversión de flota para incluir actualizaciones de tecnología, legislación y otras mejores prácticas.
- Investigar opciones tecnológicas y comprar tecnología para sostener las operaciones de la flota de la ciudad durante emergencias.
- Hacer la transición de todas las compras de flotas de vehículos de pasajeros después del año fiscal 2022-23 para que sean vehículos eléctricos, con la excepción de las compras de vehículos de seguridad pública, que serán eléctricas cuando sea posible.
- Actualizar las normas de la ciudad para fomentar el uso de vehículos de cero emisiones siempre que sea posible.



Reducción GEI

2035	1,059 toneladas métricas.
2045	592 toneladas métricas.



¿Cómo vamos a medir los logros?

Implementación de normas de compra de vehículos de flota; # de vehículos de la flota pasan a tener cero emisiones; % total de la flota que es cero emisiones.

El 100% de la flota de vehículos ligeros y camiones será de cero emisiones; el 100% de la flota de vehículos pesados utilizará diésel renovable.

Información a utilizar.

de vehículos de flota de cero emisiones; reducción de combustibles derivados del petróleo; Cargadores kWh de las estaciones de carga cero emisiones de la flota.



¿Qué otros beneficios aportan estas acciones?

Mejor calidad del aire, mejor salud pública.



Cronograma

En curso.



Consideraciones de equidad

N/A

Estrategias de gestión de estacionamiento



Acciones

Reducir las millas recorridas por vehículos per cápita en toda la ciudad mediante estrategias de gestión de estacionamiento.

Acciones de apoyo

Implementar y actualizar las estrategias de gestión de estacionamiento de la ciudad (por ejemplo, Estudio y Plan de Gestión de Estacionamiento, Plan Maestro de Pueblos y Barrios) para fomentar modos de transporte alternativos en toda la ciudad.



Reducción GEI

2035
2045

N/A toneladas métricas.
N/A toneladas métricas.



¿Cómo vamos a medir los logros?

Información de la actualización pendiente del Estudio de Estacionamiento y Plan de Gestión

Información a utilizar

VMT per cápita



¿Qué otros beneficios aportan estas acciones?

Mejor calidad del aire, mejor salud pública.



Cronograma

A largo plazo.



Consideraciones de equidad

Análisis social, económico y ambiental de datos para evaluar hacia dónde van las mejoras.

Convertir sopladores de hojas que usen gasolina



Acciones

Desarrollar, adoptar e implementar una ordenanza que prohíba el uso de sopladores de hojas que usen gasolina.

Acciones de apoyo

Aprovechar los recursos estatales y regionales existentes para promover el intercambio de sopladores de hojas que usen gasolina u otros incentivos similares.

Realizar divulgación sobre los nuevos requisitos.



Reducción GEI

2035	396 toneladas métricas.
2045	386 toneladas métricas.



¿Cómo vamos a medir los logros?

Ordenanza adoptada

Reducir el 100% de las emisiones de los sopladores de hojas que usen gasolina para 2035 y posteriormente.

Información a utilizar

Datos sobre # de llamadas de uso público; # de sopladores de hojas convertidos en equipos en uso de la ciudad.



¿Qué otros beneficios aportan estas acciones?

Reducción del uso de energía, mejora de la salud pública, mejora de la calidad del aire.



Cronograma

A corto plazo.



Consideraciones de equidad

Lanzar y/o promover un programa de incentivos para el intercambio de sopladores de hojas.

Aumentar los equipos de construcción con combustibles renovables o alternativos



Acciones

Desarrollar, adoptar e implementar una ordenanza que exija que los nuevos desarrollos y proyectos importantes de construcción y movimiento de tierras utilicen equipos de construcción eléctricos o de combustible alternativo que reduzcan el 50% de las emisiones de las actividades de construcción del proyecto.

Acciones de apoyo

Eximir a los pequeños proyectos residenciales y no residenciales de este requisito.

Realizar divulgación sobre nuevos requisitos.

Buscar financiación externa y aprovechar los recursos existentes para apoyar la conversión de vehículos de servicio mediano y pesado.



Reducción GEI

2035	4,698 toneladas métricas.
2045	15,081 toneladas métricas.



¿Cómo vamos a medir los logros?

Ordenanza adoptada

Reducir un 50% las emisiones de las actividades de construcción para 2045.

Información a utilizar

Reducciones en el combustible utilizado por equipos de construcción.



¿Qué otros beneficios aportan estas acciones?

Mejora en la calidad del aire; mejoras a la salud pública.



Cronograma

A mediano plazo.



Consideraciones de equidad

Apoyar el crecimiento de empleos verdes de alto nivel

Manejo forestal comunitario



Acciones

- Aumentar el inventario de árboles de la ciudad al continuar implementando el Plan de Manejo Forestal Comunitario.
- Para ayudar a sostener el inventario de árboles de la ciudad, continuar reemplazando árboles en una proporción de 2:1.
- Realizar un inventario para evaluar la cobertura verde urbana cada cinco años.

Acciones de apoyo

- Explorar ubicaciones adicionales para plantar árboles más allá de lo incluido en el Plan de Manejo Forestal Comunitario, teniendo en cuenta el “espacio adecuado para los árboles”, el presupuesto continuo y los costos de mantenimiento.
- Aliente a los residentes elegibles a participar en una evaluación gratuita de plantación de árboles en las calles.



Reducción GEI

2035	7,536 toneladas métricas.
2045	11,984 toneladas métricas.



¿Cómo vamos a medir los logros?

de árboles agregados

Agregar un promedio de 500 árboles nuevos al inventario de árboles de la ciudad por año hasta 2025 (3500 árboles en total).

Lograr una cobertura de dosel urbano del 32%, o duplicar la cobertura de dosel actual, para 2045.

Información a utilizar

de árboles agregados por año; # de árboles reemplazados por año; cubierta de copas de árboles en toda la ciudad.



¿Qué otros beneficios aportan estas acciones?

Reducción de los efectos de las islas de calor, mejora del carácter comunitario, mejora de la calidad del aire, mejora de la calidad del agua, mejora de la salud pública, aumento del hábitat natural, mejora de la resiliencia a los impactos climáticos.



Cronograma

En curso



Consideraciones de equidad

Priorizar la plantación de árboles utilizando datos sociales, económicos y ambientales.

Appendix H – Stakeholder Contact List (Phase II)

A list of all stakeholders that were contacted by the city and invited to participate in stakeholder interviews and complete the online survey is included in the subsequent pages.

Summary of Public Engagement for Climate Action Plan Update

Name	Organization	Stakeholder Group	Date(s) E-Mailed	Date + Type of Follow-Up Meeting
Environmental Sustainability mailing list	N/A	N/A	Oct. 18, 2023	N/A
City Manager weekly email subscription list	N/A	N/A	Oct. 19, 2023; Nov. 9, 2023	N/A
San Diego Regional Climate Collaborative mailing list	N/A	N/A	Nov. 3, 2023	N/A
Hannah Gbeh	BIA SD	Building/Industry	Oct. 18, 2023	Nov. 8, 2023 - presentation to North County Legislative Committee (virtual)
Melanie Woods	CA Apartment Association	Building/Industry	Oct. 18, 2023	N/A
Christine Davis	Carlsbad Village Association	Business Association	Oct. 19, 2023	N/A
Tommy Thompson	North County SD Association of Realtors	Business Association	Oct. 19, 2023	N/A
Debra Rosen	North San Diego Business Chamber	Business Association	Oct. 19, 2023	N/A
Chris Thorne	North San Diego Business Chamber	Business Association	Oct. 19, 2023	N/A
W. Erik Bruvold	San Diego North Economic Development Council	Business Association	Oct. 19, 2023	N/A
Mark Cafferty	San Diego Regional Economic Development Corporation	Business Association	Oct. 19, 2023	N/A
Bret Schanzenbach	Carlsbad Chamber of Commerce	Business Association	Oct. 19, 2023	N/A
Judy Frankel	Bike Walk Carlsbad	Bike/Pedestrian	Oct. 19, 2023	N/A
Cindy Cremona	Bike Walk Carlsbad	Bike/Pedestrian	Oct. 19, 2023	N/A
Nicole Burgess	Bike Walk Carlsbad	Bike/Pedestrian	Oct. 19, 2023	N/A
Michael von Neumann	Bike Walk Carlsbad	Bike/Pedestrian	Oct. 19, 2023	N/A
Michell Thitathan	Bike Walk Carlsbad	Bike/Pedestrian	Oct. 19, 2023	N/A
Colin Parent	Circulate San Diego	Bike/Pedestrian	Oct. 19, 2023	N/A
Dara Braitman	Circulate San Diego	Bike/Pedestrian	Oct. 19, 2023	N/A

Summary of Public Engagement for Climate Action Plan Update

Name	Organization	Stakeholder Group	Date(s) E-Mailed	Date + Type of Follow-Up Meeting
Andy Hanshaw	San Diego County Bicycle Coalition	Bike/Pedestrian	Oct. 18, 2023	N/A
Will Rhatigan	San Diego County Bicycle Coalition	Bike/Pedestrian	Oct. 18, 2023	N/A
Chloe Lauer	San Diego County Bicycle Coalition	Bike/Pedestrian	Oct. 18, 2023	N/A
Norval Lyon	North County Cycle Club	Bike/Pedestrian	Oct. 19, 2023	N/A
Ken Chin-Purcell	North County Cycle Club	Bike/Pedestrian	Oct. 19, 2023	N/A
NOT IN MASTER SHEET	Bike the Coast San Diego	Bike/Pedestrian	Oct. 19, 2023	N/A
Deborah Mossa	Batiquitos Lagoon Foundation	Environmental	Oct. 19, 2023	N/A
Denise Brown	Batiquitos Lagoon Foundation	Environmental	Oct. 19, 2023	N/A
Diane Nygaard	Preserve Calavera	Environmental	Oct. 18, 2023	Nov. 1, 2023 - virtual meeting
Ellen Bartlett	Preserve Calavera	Environmental	Oct. 18, 2023	Nov. 1, 2023 - virtual meeting
Joan Herskowitz	Buena Vista Audubon Society	Environmental	Oct. 19, 2023	N/A
Natalie Shapiro	Buena Vista Audubon Society	Environmental	Oct. 19, 2023	N/A
Lisa Cannon-Rodman	Agua Hedionda Lagoon Foundation	Environmental	Oct. 19, 2023	N/A
Travis Kemnitz	SD Audubon Society	Environmental	Oct. 19, 2023	N/A
Mitch Silverstein	Surfrider	Environmental	Oct. 18, 2023	N/A
Matt O'Malley	SD Coastkeeper	Environmental	Oct. 19, 2023	N/A
Steve Morris	I Love a Clean San Diego	Environmental	Oct. 19, 2023	N/A
Kathleen	Friends of Cardiff & Carlsbad State Beaches	Environmental	Oct. 19, 2023	N/A
Dee Dee Flynn	Friends of Cardiff & Carlsbad State Beaches	Environmental	Oct. 19, 2023	N/A
John Hamilton	Friends of Cardiff & Carlsbad State Beaches	Environmental	Oct. 19, 2023	N/A

Summary of Public Engagement for Climate Action Plan Update

Name	Organization	Stakeholder Group	Date(s) E-Mailed	Date + Type of Follow-Up Meeting
Stephen Flynn	Friends of Cardiff & Carlsbad State Beaches	Environmental	Oct. 19, 2023	N/A
Karl Adlinger	Sierra Club	Environmental	Oct. 18, 2023	Oct. 25, 2023 - virtual meeting
Paige DeCino	Sierra Club	Environmental	Oct. 18, 2023	Oct. 25, 2023 - virtual meeting
Lynda Daniels	Sierra Club	Environmental	Oct. 18, 2023	Oct. 25, 2023 - virtual meeting
Mike McMahon	Sierra Club	Environmental	Oct. 18, 2023	Oct. 25, 2023 - virtual meeting
Madison Coleman	Climate Action Campaign	Environmental	Oct. 18, 2023	N/A
Serena Pelka	Climate Action Campaign	Environmental	Oct. 23, 2023	N/A
Masada Disenhouse	SD 350	Environmental	Oct. 18, 2023	N/A
Anne Sheridan	SD 350	Environmental	Oct. 18, 2023	N/A
Katrina Olson	SD 350	Environmental	Oct. 18, 2023	N/A
Sarah	Stay Cool 4 Grandkids	Environmental / Underrepresented	Oct. 19, 2023	N/A
Livia Borak	Coast Law Group	Environmental	Oct. 19, 2023	N/A
Marco Gonzalez	Coastal Environmental Rights Foundation	Environmental	Oct. 19, 2023	N/A
NOT IN MASTER SHEET	Coastal Environmental Rights Foundation	Environmental	Oct. 19, 2023	N/A
Genevieve Black	Woman's Club of Carlsbad	Underrepresented	Oct. 19, 2023	N/A
Sierra Lambert, Zoe Goldstein (may have graduated since last contacted)	Carlsbad Cleanup Crew (student group)	Underrepresented / Environmental	Oct. 19, 2023	N/A

Summary of Public Engagement for Climate Action Plan Update

Name	Organization	Stakeholder Group	Date(s) E-Mailed	Date + Type of Follow-Up Meeting
NOT IN MASTER SHEET	Mira Costa College Community Education and Workforce Development	Underrepresented	Oct. 19, 2023	N/A
NOT IN MASTER SHEET	North San Diego County NAACP	Underrepresented	Oct. 19, 2023	N/A
Yusef Miller	North County Equity and Justice Coalition	Underrepresented	Oct. 19, 2023	N/A
NOT IN MASTER SHEET	North County LGBTQ Resource Center	Underrepresented	Oct. 19, 2023	N/A
Max Rome	North County LGBTQ Resource Center	Underrepresented	Oct. 19, 2023	N/A
Marylynn McCorkle	Alliance for Regional Solutions	Underrepresented	Oct. 19, 2023	N/A
Carmen Mojado	Saving Sacred Sites / San Luis Rey Band of Mission Indians	Underrepresented	Oct. 20, 2023	Nov. 21, 2023 - presentation to San Luis Rey Band of Mission Indians (virtual)
Valerie A. Gómez	Mexican-American National Association	Underrepresented	Oct. 20, 2023	N/A
Brandon Tionsen	Carlsbad Equality Coalition	Underrepresented	Oct. 18, 2023	N/A
Augustin Dao	Carlsbad Equality Coalition	Underrepresented	Oct. 18, 2023	N/A
Suzanne Hume	Clean Earth 4 Kids	Environmental / Underrepresented	Oct. 18, 2023	N/A
Howard Krausz	North County Advocates	Environmental	Oct. 19, 2023	N/A
Graciela Gutierrez	North County Lifeline	Underrepresented	Oct. 20, 2023	N/A
Cheryl Madrigal	Rincon Band of Luiseño Indians	Underrepresented	Oct. 20, 2023	Virtual meeting - Jan. 29, 2024

Summary of Public Engagement for Climate Action Plan Update

Name	Organization	Stakeholder Group	Date(s) E-Mailed	Date + Type of Follow-Up Meeting
Tina Jimenez	Torres Martinez Desert Cahuilla Indians	Underrepresented	Oct. 20, 2023	N/A
Jesse Morales, Acting Chairman	Mesa Grande Band of Diegueno Mission Indians	Underrepresented	Oct. 20, 2023	N/A
Norma M. Contreras	La Jolla Band of Luiseño Indians	Underrepresented	Oct. 20, 2023	N/A
Vanessa Marshall	Interfaith Community Services	Underrepresented	Oct. 20, 2023	N/A
Mary Ferro	Interfaith Community Services	Underrepresented	Oct. 20, 2023	N/A
Jay Klopfenstein	Carlsbad Community Gardens Collaborative	Environmental; Chamber green business committee	Oct. 19, 2023	N/A
Nate Fairman	IBEW 465	Building/Industry	Oct. 19, 2023	N/A
Craig Bendetto	NAIOP SD	Building/Industry	Oct. 19, 2023	Nov. 2, 2023 - presentation to NAIOP SD Civic Engagement Committee (virtual); Nov. 2, 2023 - presentation to SD County Lodging Association Legislative Task Force (virtual)
Marshall Anderson	NAIOP SD	Building/Industry	Oct. 19, 2023	Nov. 2, 2023 - presentation to NAIOP SD Civic Engagement Committee (virtual); Nov. 2, 2023 - presentation to SD County Lodging Association Legislative Task Force (virtual)
Kelly Lyndon	SD Building Electrification Coalition	Environmental	Oct. 19, 2023	N/A

Summary of Public Engagement for Climate Action Plan Update

Name	Organization	Stakeholder Group	Date(s) E-Mailed	Date + Type of Follow-Up Meeting
Matthew Clough	Plastic Beach	business owner; Chamber green business committee	Oct. 19, 2023	N/A
Bobby Kouretchian	Koza Law Group	certified green business	Oct. 18, 2023	N/A
Mylene Merlo	Mylene Merlo	certified green business	Oct. 18, 2023	N/A
Sher Kopman	AVO Cafe	certified green business	Oct. 18, 2023	N/A
Neall Digert	Solatube	certified green business; Chamber green business committee	Oct. 18, 2023	N/A
Jani Jackson	Develop Your Team	certified green business; Chamber green business committee	Oct. 18, 2023; Oct. 19, 2023	N/A
Paola Richard	GelatoLove	certified green business	Oct. 18, 2023	N/A
Della Stewart	Dancin Soul Boutique	certified green business	Oct. 18, 2023	N/A
Wendy Wiegand	Wiegand Realty	certified green business	Oct. 18, 2023	N/A
AJ Van De Ven	Calsense	certified green business; Chamber green business committee	Oct. 18, 2023; Oct. 19, 2023	N/A

Summary of Public Engagement for Climate Action Plan Update

Name	Organization	Stakeholder Group	Date(s) E-Mailed	Date + Type of Follow-Up Meeting
Jim Morrison	Morrison Insurance Services	certified green business	Oct. 18, 2023	N/A
Jolanda Harris	Virtual Workplace Solutions	certified green business	Oct. 18, 2023	N/A
Samantha Richter	Agua Hedionda Lagoon Foundation	certified green business	Oct. 18, 2023	N/A
Jana Moreno	Activ8 LLC	certified green business	Oct. 18, 2023	N/A
Edmond Alberton	Straight Talk Solar Co	certified green business	Oct. 18, 2023	N/A
Beppie Mostert	Living Design Interiors	certified green business	Oct. 18, 2023	N/A
Charisa Clarkson	Microscope World	certified green business	Oct. 18, 2023	N/A
Marcy Browe	Marcy Browe Photography	certified green business; Chamber green business committee	Oct. 18, 2023	N/A
Abbey Glauch	Bitchin Sauce	Business	Oct. 20, 2023	N/A
Rosemary Eshelman	Carlsbad Unified School District	Chamber green business committee	Oct. 19, 2023	N/A
Ruby Teague	Viasat	business; Chamber green business committee	Oct. 19, 2023	N/A
Elise Ramirez	Viasat	business; Chamber green business committee	Oct. 19, 2023	N/A

Summary of Public Engagement for Climate Action Plan Update

Name	Organization	Stakeholder Group	Date(s) E-Mailed	Date + Type of Follow-Up Meeting
James Clame	Net Result	business; Chamber green business committee	Oct. 19, 2023	N/A

Appendix I – Stakeholder Meetings (Phase II)

The table below documents the stakeholder meetings that were conducted as part of the Climate Action Plan Update. Detailed notes are included in subsequent pages for the meetings on October 25, 2023 and November 1, 2023.

Table A-3. Stakeholder Meetings Conducted for the Climate Action Plan Update

Date	Stakeholder Participants
October 25, 2023	Mike McMahon, Sierra Club Paige DeCino, Sierra Club Lynda Daniels, Sierra Club
November 1, 2023	Diane Nygaard, Preserve Calavera Paige DeCino, Preserve Calavera Anne-Catherine Roch-Levecq, Preserve Calavera
November 2, 2023	NAIOP San Diego Civic Engagement Committee (92 invitees) Invited by Craig Benedetto, NAIOP SD
November 2, 2023	San Diego County Lodging Association Legislative Task Force Invited by Marshall Anderson, NAIOP SD
November 8, 2023	BIA San Diego North County Legislative Committee (35 invitees) Invited by Hannah Gbeh, BIA SD
November 21, 2023	Carmen Mojado, San Luis Rey Band of Mission Indians

An additional meeting was held outside of the Phase II engagement period. City staff met virtually with two representatives of the Rincon Band of Luiseño Indians on Jan. 29, 2024.

Carlsbad CAP Update Outreach Sierra Club

Wednesday, October 25, 1:00 to 2:00 p.m.
Microsoft Teams (Virtual)

Attendees

Katie Hentrich, City of Carlsbad
Mike McMahon, Sierra Club

Paige DeCino, Sierra Club
Lynda Daniels, Sierra Club

Meeting Goal: Stakeholder outreach for proposed measures for Climate Action Plan Update.

- What is the meeting on November 7 for?
- GHG baseline year?
- Will Council understand the make up of emissions?
- Why is 2016 the best available data for an inventory?
- CAP AR 6 emissions graph vs. new inventory questions
- Renewable energy at city facilities?
- Will Council be voting on priority actions?
- Idling ordinance?
- TDM ordinance – threshold for new business but also for existing?
- Concern that Council will not feel urgency about not doing very much
 - The sooner we implement the better, the easier

Carlsbad CAP Update Outreach Preserve Calavera

Wednesday, November 1, 2:00 to 3:00 p.m.
Microsoft Teams (Virtual)

Attendees

Katie Hentrich, City of Carlsbad
Diane Nygaard, Preserve Calavera

Paige DeCino, Preserve Calavera
Anne-Catherine Roch-Levecq, Preserve
Calavera

Meeting Goal: Stakeholder outreach for proposed measures for Climate Action Plan Update.

- Big picture overview of CAP; explaining SANDAG data
- Make sure to reference CARB 2022 Scoping Plan
- Important to outline interim actions within the document (implementation plan)
- E-1
 - How will this be done
- E-2
 - How will changing customers up to 100% bring about equity issues?
 - Storage is going to be an issue; how can local projects be built?
- E-3 and E-4
 - Reach code updates – lowering threshold to cover more existing buildings
- T-2
 - TDM ordinance – is threshold being updated?
- T-6
 - Will there be an MTIF to fund programs?
- T-8
 - EV charging
- CS-1
 - Tree planting and growing program at Preserve Calavera
 - How do we ensure trees are replaced within conditions of approval
 - Heritage tree program + mature trees
- Regional Decarbonization Framework
 - Open space and ag land preservation – Sunny Creek

Appendix J – City Council Meeting Notes and Public Comment (Phase II)

A summary of meeting notes and public comments received from the November 7, 2023 City Council meeting, as well as the staff report are included in the following pages.

City Council meeting notes – Nov. 7, 2023, Item 5

- Public comment (12 total)
 - Mike Burello: how much are we spending?
 - Vanessa Forsythe
 - Interim benchmark years – how do we know if we are on track before 2035 and 2045
 - How will community members stay informed? Include in plan
 - Create Environmental Commission
 - Pagie DeCino (Sierra Club)
 - More clearly stated than 2015 CAP
 - Transportation data from 2016 is old
 - Anti-idling ordinance: roll into Safe Routes to School measure
 - Zero emission fleet: gas police cars recently approved, ordinance to make sure that doesn't happen again should be passed quickly
 - TDM ordinance: should expand threshold, not super successful
 - Add in more timelines
 - Mike McMahon (Sierra Club)
 - All measures will need to be fully implemented
 - Need adequate planning and resources to implement
 - Lynda Daniels (Sierra Club)
 - Reduce GHGs in buildings; building electrification
 - Mary Hassing
 - Reduce GHGs through EE and renewable energy
 - Reach code updates; informing property owners of EE changes they can make
 - Ally Williams (Clean Earth 4 Kids)
 - 2045 targets are too far away
 - Create a community dashboard
 - Ban synthetic turf
 - Jay Klopfenstein
 - Climate education curriculum – promote within the CAP, very important component of behavior change
 - Good examples from UCSD, UCI, MIT
 - Could launch in partnership with the library
 - Work with College Corps or Climate Corps
 - Suzanne Hume (Clean Earth 4 Kids)
 - 2045 target is too far away
 - Reach code update is important
 - Happy to see the leaf blower measure
 - No idling signage → add into Safe Routes to Schools measure
 - Community dashboard, especially including equity information
 - John B. (Clean Earth 4 Kids)
 - Add in clean air section of CAP Update, like City of San Diego
 - Ban synthetic turf (SB 676, passed Oct. 2023)
 - Plastic gives off methane

- Mike: public trust is missing
- Missing name – need to check video: chem trails
- Council member questions
 - CM Luna
 - Need more EV charging, solar/battery
 - Grid reliability concerns, especially with NEM and duck curve
 - Cost is also a concern
 - CM Burkholder
 - Have we surveyed businesses before and asked what the barriers are to going all electric, 100% renewable, etc?
 - Cost is a concern
 - Do we have a formal climate equity or climate grief definition?
 - CM Acosta
 - Can synthetic turf removal get added in?
 - Have a bigger a la carte menu of measures to choose from so that Council doesn't have to do everything in there with no room for error (since we are meeting targets exactly)
 - Environmental progress dashboard – has it been explored
 - TDM ordinance – should we continue implementing?
 - Can we add in a clean air section (mentioned in public comment)?
 - How do we hold ourselves accountable for not doing things within the CAP?
 - Cost to residents?
 - Public change overall – how are we working on behavior change?
 - CM Bhat-Patel
 - Timeline with more benchmarks/target dates
 - Are we installing DC fast chargers?
 - Mayor Blackburn: no questions
- Council member final comments
 - Mayor Blackburn: climate action is important to all, find balance within the plan (costs, priority actions, etc)
 - CM Bhat Patel: transparency is valued
 - CM Acosta: co-creating a plan with the community, very clearly presented, add in more things related to the circular economy (similar to other CAPs), add some more measures so Council doesn't have to approve everything as staff's recommendations
 - CM Burkholder: create more options (add more measures)
 - CM Luna: budget concerns

MAIN TAKEAWAYS:

- Add in additional measures to get us above the 2045 target
 - Synthetic turf removal should be one (supporting action or its own tbd)
 - electric preferred reach code
 - solar carports over parking lots (if possible – largest parks and city parking areas – Alga Norte already has, can be used for calcs)
- Add in information on air quality to CAP document
- Add in more information on interim timelines within measure details
 - Better define short vs. med vs. long term
 - For measures that are “ongoing”, still provide interim timelines
- Explore creation of a community dashboard (or incorporating into strat plan)
 - Communicating how to get involved/take actions on your own
 - Communicating information on rebates and incentives
 - Communicating how city is doing with progress on the CAP
- Cost is a big concern
 - ICA horizon only five years, but can ICA include info about when larger costs would need to be budgeted for?
 - For costs not to city, could language be added into measures that costs would need to be explored as part of implementation (like in supporting actions)? For transparency



November 7, 2023

CleanEarth4Kids.org thanks the City of Carlsbad Council and staff for their environmental leadership and for all work that has gone into the Climate Action Plan (CAP).

Implementing the CAP will help protect the people of Carlsbad from air pollution and the impacts of climate change for a better future.

Our Comments and Suggestions are:

1. Climate-Safe Investments
2. 100% Building Electrification for New Construction with No Exceptions
3. Electrify Existing Buildings
4. Solar, Microgrids and Virtual Power Plants (VPP)
5. Community and Environmental Dashboard
6. Add a Clean Air Section to the CAP
 - a. Ban Leaf Blowers
 - b. No Idling
 - c. Stop Wood Burning
 - d. Stop Smoking
 - e. Stop Leaded Aviation Gas (AVGAS)
7. Protect and Conserve Water
8. Transportation
9. No False Solutions
10. Stop Toxic Synthetic Pesticides
11. Community Gardens
12. Create Pocket Forests
13. Protect Wetlands, Lagoons and Waterways
14. Synthetic Grass/Artificial Turf

1. Climate-Safe Investments

- Divest any investments that support fossil fuels. Only invest in funds, stocks, bonds, etc. that guarantee they will not invest in fossil fuels.
- Use an eco-friendly bank, preferably a B-Corp, for City's cash accounts. Do NOT support banks that invest in fossil fuel projects.
- Include eco-friendly choices for employee retirement fund investment options.

2. 100% Building Electrification for New Construction with No Exceptions

The City must prioritize building electrification to move away from fossil fuels and

improve air quality to protect health and the environment. Over [60 cities in California](#) have already passed electrification ordinances and others are underway.¹

Natural gas is a marketing term for methane, a [hazardous indoor air pollutant](#) and a [major contributor to climate change](#).^{2,3} The use of [gas stoves](#) in the home increases the risk of asthma and other respiratory diseases.⁴ And [gas stoves leak methane](#) even when turned off.⁵ We must completely end the use of “natural gas”.

This important action will encourage green buildings, reduce carbon emissions and air pollution, and help protect the health of children and future generations.

Burning methane creates outdoor and indoor air pollution. 14% of greenhouse gases (GHGs) in Carlsbad come from the burning of methane, mainly for heat and hot water. [Studies](#) of human exposure to air pollutants show that "indoor levels of pollutants may be two to five times, and occasionally more than 100 times, higher than outdoor levels," and a major source of indoor air pollution is gas stoves.⁶ Here is a [link](#) to our *Dangers of Natural Gas* video.⁷ Please go to our [Team 3: Clean Air Saves Lives](#) page for more information.⁸

3. Electrify Existing Buildings

It is critical the CAP provides incentives to encourage owners of existing buildings to electrify as 80% of the building stock for 2050 has already been built. Carlsbad can apply for state and federal grants to retrofit heat pumps, electric water heaters, induction cooktops, remove gas lines and other energy efficiency improvements like insulated windows and LED lighting.

4. Solar, Microgrids and Virtual Power Plants (VPP)

To maximize clean, local energy generation, coordinate with the Clean Energy Alliance (CEA) to locate solar and microgrids on all city owned parking lots and buildings. Engage with Carlsbad Unified to do the same for all school buildings. Each city and school building will provide local power generation and fault tolerance while serving as a resilience center in case of fire, earthquake or heat wave.

5. Community and Environmental Dashboard

Create a Climate & Environmental Dashboard to increase citizen awareness, knowledge, and participation on issues such as air pollution and energy utilization.

¹ <https://www.sandiegouniontribune.com/communities/del-mar-to-consider-building-electrification-ordinance>

² <https://www.vox.com/2022/1/27/22902490/gas-stoves-methane-climate-pollution-health-off>

³ http://www.eeb.cornell.edu/howarth/documents/Howarth_2021_Methane_and_Climate.pdf

⁴ <https://www.sciencetimes.com/gas-stoves-making-people-sicker-exposing-children-higher-risk-asthma.htm>

⁵ <https://news.stanford.edu/2022/01/27/rethinking-cooking-gas/>

⁶ <https://www.epa.gov/iaq-schools/why-indoor-air-quality-important-schools>

⁷ <https://vimeo.com/704755689>

⁸ <https://cleaneearth4kids.org/clean-air#gas>

These dashboards should be located in libraries, schools and businesses throughout Carlsbad.

6. Add a Clean Air Section to the CAP

The burning of fossil fuels does much more than just release GHGs. It also dumps toxic air pollution that harms everyone's health and the environment. We ask Carlsbad to include a Clean Air section in the CAP like the [City of San Diego](#) with clean air goals and yearly targets to reduce air pollution.⁹

- Take Climate Action and Protect Our Air: Stop Burning Fossil Fuels

Air pollution from fossil fuels and petrochemicals have a significant detrimental impact on [human health](#),¹⁰ particularly on the [brain](#) and the [cognitive abilities of children](#).¹¹ Exposure to ambient air pollutants like PM2.5, NO2 and ozone and heavy metals like lead, arsenic and mercury have been associated with [lower academic performance](#),¹² [attention deficit hyperactivity disorder \(ADHD\) symptoms](#),¹³ behavioral problems and [autism spectrum disorders in children](#).¹⁴ Air pollution increases the risk of neurological disorders and accelerated cognitive decline in children by causing [neuroinflammation and neurodegeneration](#).¹⁵ These pollutants have also been associated with several other indicators of poor health, including [asthma and infant mortality](#).¹⁶ Recent findings indicate that air pollution is linked to cognitive impairment through various biological processes, such as [oxidative stress and inflammation, endocrine disruption, epigenetic modifications](#), and changes in brain structure.¹⁷ Exposure to fine particulate matter is correlated with [reduced cortical thickness and thinner gray matter](#),¹⁸ which may [impact learning, memory, and information processing](#).¹⁹

Also causing significant harm to the brain, [lowering cognitive abilities and reading and math scores are heavy metals](#) including mercury, lead, manganese, and their compounds, and petrochemicals such as isoamyl alcohol, methanol, xylene, toluene, styrene, *n*-hexane, and ethylbenzene.²⁰

- Fossil Fuel Air Pollution Harms Public Health

⁹ https://www.sandiego.gov/sites/default/files/san_diegos_2022_climate_action_plan_0.pdf

¹⁰ <https://www.niehs.nih.gov/health/topics/agents/air-pollution/index.cfm>

¹¹ https://journals.lww.com/The_Relationship_Between_Air_Pollution_and_1.aspx?context=LatestArticles

¹² <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8663889/>

¹³ <https://pubmed.ncbi.nlm.nih.gov/30909100/>

¹⁴ <https://onlinelibrary.wiley.com/doi/10.1111/dmnc.14758>

¹⁵ <https://www.sciencedirect.com/science/article/abs/pii/S0278262608001747>

¹⁶ <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2727943/>

¹⁷ <https://www.science.org/doi/10.1126/sciadv.add0285>

¹⁸ <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6132565/>

¹⁹ <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6908886/>

²⁰ <https://www.science.org/doi/10.1126/sciadv.add0285>

Fossil fuel combustion is a [leading cause](#) of deadly PM2.5 exposure.²¹ Extended exposure to PM2.5 is responsible for 62% of all deaths from air pollution in 2019.²² PM 2.5 is especially [deadly](#) because its small size allows it to enter deep into the lungs and pass into the [bloodstream](#), making it a significant contributor to cardiovascular [disease and mortality](#).^{23,24,25} PM2.5 also [increases](#) heart disease, lung cancer, COPD (chronic obstructive pulmonary disease), lower-respiratory infections, pneumonia, stroke, type 2 diabetes, and other serious conditions including [gastrointestinal illness](#).^{26,27} People with tuberculosis exposed to PM2.5 had [increased replication](#) of the disease.²⁸ PM2.5 impacts our most vulnerable populations, including [minorities](#),²⁹ the [elderly](#),³⁰ [pregnant women](#),³¹ and [children](#).³² Increased Particulate Matter reduced the health-related quality of life among the elderly, [increasing pain and discomfort, anxiety, and depression](#).³³

Childhood exposure to PM2.5 is linked to [asthma](#),³⁴ which is the leading cause of [school absences](#)³⁵ and the third leading cause of [hospitalizations](#) among children under 15.³⁶ Poor air quality increases the likelihood of [asthma attacks, breathing difficulty](#),³⁷ [increased emergency room visits](#),³⁸ and [hospitalization](#).³⁹ Air pollution can also [inflamm the brain, central nervous system](#), and [hearts](#) in children.^{40,41}

The health effects of air pollution start before a child is even [born](#).⁴² Pollutants can harm a fetus's [brain, liver, lungs, and other organs](#) because pollutants can travel to the tissues and organs of fetuses after being inhaled by [pregnant women](#).^{43,44} For example, [black carbon](#)⁴⁵ can enter the [placenta, circulation system, and the organs](#)⁴⁶ of the fetus via the mother's blood, which can affect the fetuses' [liver, lungs, and](#)

²¹ <https://www.nature.com/articles/s41467-021-23853-y>

²² <https://www.stateofglobalair.org/health/pm#major-impacts>

²³ <https://www.epa.gov/pm-pollution/health-and-environmental-effects-particulate-matter-pm>

²⁴ <https://www.ahajournals.org/doi/10.1161/JAHA.120.016890>

²⁵ <https://www.lung.org/clean-air/outdoors/what-makes-air-unhealthy/particle-pollution>

²⁶ <https://www.stateofglobalair.org/health/pm>

²⁷ <https://www.sciencedirect.com/science/article/pii/S0147651323002063>

²⁸ <https://www.sciencedirect.com/science/article/pii/S0013935123004875>

²⁹ <https://www.hsph.harvard.edu/news/racial-ethnic-minorities-low-income-groups-u-s-air-pollution/>

³⁰ <https://www.sciencedirect.com/science/article/pii/S0147651323002944>

³¹ <https://www.sciencedirect.com/science/article/abs/pii/S0013935122003930>

³² <https://parentingscience.com/the-effects-of-air-pollution-on-children>

³³ <https://www.sciencedirect.com/science/article/pii/S0147651323002944>

³⁴ <https://www.sciencedirect.com/science/article/pii/S0160412022002240>

³⁵ <https://aafa.org/asthma/asthma-facts>

³⁶ <https://www.epa.gov/children/childrens-environmental-health-facts>

³⁷ <https://resphealth.org/clean-air/understanding-air-pollution/>

³⁸ <https://jamanetwork.com/journals/jamanetworkopen/fullarticle/2801735?resultClick=3>

³⁹ <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6546668/>

⁴⁰ <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7352229>

⁴¹ <https://pubmed.ncbi.nlm.nih.gov/35921508>

⁴² [https://www.jpeds.org/article/S0891-5245\(21\)00189-9/fulltext](https://www.jpeds.org/article/S0891-5245(21)00189-9/fulltext)

⁴³ <https://www.theguardian.com/environment/2022/oct/05/toxic-air-pollution-particles-found-in-lungs>

⁴⁴ <https://pubmed.ncbi.nlm.nih.gov/32556259>

⁴⁵ <https://www.livescience.com/black-carbon-reaches-placenta.html>

⁴⁶ <https://pubmed.ncbi.nlm.nih.gov/36719212/>

[brain](#).⁴⁷ Exposure to [air pollution during pregnancy and infancy](#)⁴⁸ is linked to increased rates of [stillbirth](#),⁴⁹ [preterm birth](#),⁵⁰ [low birth weight](#),⁵¹ [SIDS](#)⁵² (Sudden Infant Death Syndrome) and decreased development of the [brain](#), among other serious long-term effects.⁵³ Exposure to [air pollution](#), even at relatively low levels during pregnancy and childhood significantly harms children's health.⁵⁴

Below are two slides from Dr. Paul Fowler's extensive research and informative [webinar](#)⁵⁵ and [presentation](#) showing a 26% increase in stillbirths when air pollution is increased by 10 µg/m³.⁵⁶ The [harm done by air pollution to unborn babies](#) is clear.⁵⁷ It is imperative that we reduce air pollution to protect children's health, development, growth, learning, communication abilities, and future.

Air pollution, PM, pregnancy outcomes

- 81 eligible cohort studies
- Every 10 µg/m³ increase of exposure:

PM _{2.5} = 9%	PM ₁₀ = 12%	increase pre-term birth
PM _{2.5} = 26%	PM ₁₀ = 4%	increase stillbirth
PM _{2.5} = 10%	PM ₁₀ = 4%	increase small for gestational age

Increased risk for adverse offspring consequences:

- Heart disease, hypertension
- Diabetes, obesity
- Pulmonary disease, asthma
- Allergies
- Boys risk of ASD
- Maternal thyroid
- Reduced cognitive function
- Changes to fetal and neonatal DNA repair capacity

Ambient black carbon particles reach the fetal side of human placenta. Bové et al *Nawrot TS. Nat Commun.* 2019 Sep 17;10(1):3866. doi: 10.1038/s41467-019-11654-3.

Placental protection?

Conclusions

Opinion **Children have a right to clean air, and we must fight for it to become a reality**
 BMJ 2022; 379 doi:
<https://doi.org/10.1136/bmj.o2425> Camilla Kingdon

From the existing research

- Substantial evidences that air pollution is an issue for the developing human fetus and pregnancy as a whole.
- Exposure to air pollution in-utero is associated with multiple adverse pregnancy and offspring outcomes, up to and including pregnancy loss (fetal death)
- PM_{2.5} especially, as well as PM₁₀, associated with stillbirth and other pregnancy/offspring risks

From our study

- Exposure to black carbon is proportional to environmental black carbon levels
- Black carbon air pollution particles reach into every fetus and fetal organ we have studied
- Placenta only minimally limits PM transfer to fetus
- Blood-brain barrier does not appear to protect the developing brain from invasion by PM

⁴⁷ [https://www.thelancet.com/journals/lanplh/article/PIIS2542-5196\(22\)00200-5/fulltext](https://www.thelancet.com/journals/lanplh/article/PIIS2542-5196(22)00200-5/fulltext)

⁴⁸ <https://jamanetwork.com/journals/jamanetworkopen/fullarticle/2767260>

⁴⁹ <https://www.sciencedirect.com/science/article/abs/pii/S0269749121003328>

⁵⁰ <https://med.nyu.edu/pediatrics/divisions/environmental-pediatrics/air-pollution-preterm-births>

⁵¹ <https://pubmed.ncbi.nlm.nih.gov/22726801/>

⁵² <https://www.sciencedirect.com/science/article/abs/pii/S0045653520337139>

⁵³ <https://www.washington.edu/news/uw-link-between-air-pollution-and-child-brain-development/>

⁵⁴ <https://www.lung.org/clean-air/outdoors/who-is-at-risk/children-and-air-pollution>

⁵⁵ https://youtu.be/40Ga9_StJQ0

⁵⁶ <https://www.healthandenvironment.org/assets/images/CHE%20Jan%202023%20Fowler.pdf>

⁵⁷ <https://pubmed.ncbi.nlm.nih.gov/36208643/>

- Air Pollution is A Racial, Social, Environmental, and Climate Justice Issue

Air pollution from the burning of fossil fuels harms people of color [disproportionately](#).⁵⁸ Due to Social Determinants of Health (SDoH) factors, [Black and low-income communities](#) are disproportionately affected by air pollution in the United States.⁵⁹ Annually, fossil fuel industries in the US release about [9 million](#) tons of methane gas and other toxic chemicals into the atmosphere.⁶⁰ [Black and low-income communities](#) are disproportionately affected by air pollution in the United States.⁶¹ Exposure to poor air quality can cause numerous health problems such as emphysema and [asthma](#)⁶². Increased rates of asthma can lead to significant health disparities and reduced quality of life.⁶³ Approximately 13.4% of Black children suffer from asthma as compared to only 7.3% of White children.⁵³

In total, African Americans are [75% more likely](#) than White people to live in “fence-line” communities (areas near commercial facilities that produce noise, odor, traffic, or emissions that directly affect the population).⁴⁹

6a. Ban Leaf Blowers

Most gas-powered leaf blowers are 2 stroke engines which burn a mix of oil and gas. These engines not only put out a massive amount of pollution, but they also do not have a filter. The [pollutants](#)⁶⁴ from a single gas-powered leaf-blower are 300x more than a pickup truck with gas-powered lawn equipment using an estimated 800 million gallons of gasoline. This contributes to more air pollution in our air, and damaging ozone as these nitrous oxides contribute to the damage that occurs.

With and without a filter, the dangers of gas-powered leaf blowers are immense. Gas-powered leaf-blowers emit carbon monoxide, nitrous oxides, hydrocarbons and other [pollutants](#)⁶⁵ such as formaldehyde, benzene, fine particulate matter, and smog forming chemicals. These pollutants are known to cause diseases that affect the heart and lungs, as well as cancer, dementia, and [headaches](#)⁶⁶. The [health effects](#)⁶⁷ linked to gas-powered leaf blowers are asthma, cardiovascular disease, lung cancer, respiratory disease, and central nervous system disorders.

6b. No Idling

Car exhaust is full of toxic chemicals like benzene and carbon monoxide. 1 minute of

⁵⁸ <https://psci.princeton.edu/tips/2020/8/15/racial-disparities-and-climate-change>

⁵⁹ <https://www.lung.org/clean-air/outdoors/who-is-at-risk/disparities>

⁶⁰ <https://psci.princeton.edu/tips/2020/8/15/racial-disparities-and-climate-change>

⁶¹ <https://www.lung.org/clean-air/outdoors/who-is-at-risk/disparities>

⁶² <https://www.catf.us/2017/11/study-african-american-health-impacts-oil-gas-pollution/>

⁶³ <https://aafa.org/asthma-allergy-research/our-research/asthma-disparities-burden-on-minorities/>

⁶⁴ <https://sustainability.wustl.edu/rethinking-lawn-equipment-2/>

⁶⁵ <https://sustainability.wustl.edu/rethinking-lawn-equipment-2/>

⁶⁶ <https://www.quietcleanpdx.org/leaf-blowers-dangers-pollution/>

⁶⁷ <https://www.quietcleandc.com/two-stroke-engine-public-health-issues>

idling puts [more carbon monoxide](#) into the air than smoking 3 packs of cigarettes.⁶⁸ Please take action to reduce idling by parked vehicles, including purchasing only zero emission vehicles for the city fleet. [Idling burns](#) over 3.8 million gallons of fuel every day in the US, adding 30 million tons of CO2 to the atmosphere!⁶⁹ [Link](#) for more information on idling.⁷⁰

6c. Stop Wood Burning

We ask the City of Carlsbad to take action to stop wood smoke.

- a. Work with the SD APCD (San Diego Air Pollution Control District) and surrounding cities to stop wood-burning fireplaces and stoves in new construction and renovations like the [City of London](#).⁷¹
- b. Implement programs and incentives to remove (not replace!) existing wood-burning fireplaces and stoves.
- c. Work with SD APCD and all city, county, and state governments and agencies to stop recreational wood fires on all public lands like beaches and parks to protect clean air and our health.
- d. Fund radio, print, TV and social media ads about the harms of wood smoke. Please see the [CleanEarth4Kids.org Stop Wood Smoke video](#) created by our youth.⁷²

Wood smoke is a complex mixture of gases and fine particles, called particulate matter. PM2.5 is especially dangerous. These particles are 2.5 microns or smaller. By comparison, the average human hair is 50 microns wide. Researchers estimate that PM2.5 is responsible for almost 48,000 [premature deaths](#) in the US every year.⁷³ Particulate matter irritates the lungs and increases the risk of [serious health outcomes](#) including asthma, heart attacks, strokes, cancer, and brain conditions like Alzheimer's, Parkinson's and dementia.⁷⁴ Wood smoke also contains [cancer causing pollutants](#) like benzene, formaldehyde, acrolein and Polycyclic Aromatic Hydrocarbons or PAHs, along with carbon dioxide, carbon monoxide and methane.⁷⁵ Burning 10 lbs. of wood in 1 hour creates the same [cancer-causing PAHs](#) as 6,000 packs of cigarettes.⁷⁶ That's like smoking a pack of cigarettes a day for 16 years...just by sitting next to a wood fire. Here is a [link](#) for information about wood smoke.⁷⁷ You can also contact [Doctors & Scientists Against Wood Smoke Pollution](#).⁷⁸

⁶⁸ <http://enginesoff.com/pdfs/CASEO-Background-Report.pdf>

⁶⁹ https://afdc.energy.gov/files/u/publication/idling_personal_vehicles.pdf

⁷⁰ <https://cleaneearth4kids.org/stop-idling>

⁷¹ <https://www.theguardian.com/2023/feb/08/wood-burners-in-effect-banned-new-refurbished-homes-london>

⁷² <https://vimeo.com/762477620>

⁷³ <https://www.lung.org/research/sota/health-risks>

⁷⁴ <https://woodsmokepollution.org/references.html>

⁷⁵ <https://www.verywellhealth.com/the-health-hazards-of-wood-burning-stoves-914956>

⁷⁶ <https://www.times-standard.com/2017/08/05/burning-firewood-is-an-airborne-public-health-hazard>

⁷⁷ <https://cleaneearth4kids.org/team-3-no-wood-smoke>

⁷⁸ <https://woodsmokepollution.org/index.html>

The San Diego Air Pollution Control District (SD APCD) [2021 Annual Air Quality Report](#) and [2022 Regional Air Quality Strategy \(RAQS\)](#) show residential combustion (wood burning) is tied with construction as the main source of PM_{2.5}.^{79,80} These reports show wood burning dumps almost 3.5 TONS of particulate matter into San Diego County air EVERY DAY. Data from the US Energy Information Administration (EIA) [shows](#) households with higher incomes are more likely to burn wood.⁸¹ Wood burning is being done for recreation, not need.

6d. Stop Smoking

Ban public smoking like the City of Encinitas and others. [Second](#) and [thirdhand](#) smoke is toxic and emits lead.^{82,83} Fund radio, print, TV and social media ads about the harms of second and third hand smoke. Also ban [smoking in multi-family housing](#).⁸⁴

6e. Ask the County of San Diego to Stop Leaded Aviation Gas (AVGAS)

CleanEarth4Kids.org asks the City of Carlsbad to send a letter and pass a resolution calling on the County of San Diego to stop the sale, use and storage of leaded aviation fuel at all County of San Diego airports. A SD APCD [study](#) showed Palomar Airport exceeded NAAQS (National Ambient Air Quality Standards) for lead in 2013.⁸⁵ That was ten years ago!

According to [EPA data](#), general aircraft at Palomar Airport dump over 700 pounds of lead into the air every year, Gillespie Field over 1,100 pounds and Ramona over 600 pounds.⁸⁶ That is over 2,400 pounds of lead in our air every single year from just 3 County airports. There is NO safe level of lead!

- Lead is Toxic

The [WHO \(World Health Organization\)](#),⁸⁷ [CDC \(Centers for Disease Control\)](#)⁸⁸ and the [AAP \(American Academy of Pediatrics\)](#)⁸⁹ have all stated there is no safe level of lead, a [toxic heavy metal](#).⁹⁰ Its [adverse effects](#) are particularly severe for children and unborn babies as it damages their brains and nervous systems.⁹¹

[Exposure to lead](#) lowers IQ and causes behavior problems, learning disabilities, and

⁷⁹ <https://www.sdapcd.org/content/dam/sdapcd/documents/community/annual-air-quality-reports>

⁸⁰ https://legistarweb-production.s3.amazonaws.com/1814058/Item_E2_AttA_2022_RAQS.pdf

⁸¹ <https://www.eia.gov/todayinenergy/detail.php?id=15431>

⁸² <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3040625/>

⁸³ <https://thirdhandsmoke.org/thirdhand-smoke-may-bring-lead-into-homes/>

⁸⁴ <https://cleaneearth4kids.org/nosmoking#sample>

⁸⁵ [https://static1.squarespace.com/static/APCD/McClellan/Palomar Airport Lead Gradient.pdf](https://static1.squarespace.com/static/APCD/McClellan/Palomar+Airport+Lead+Gradient.pdf)

⁸⁶ <https://www.epa.gov/air-emissions-inventories/2017-national-emissions-inventory-nei-data#dataq>

⁸⁷ <https://www.who.int/news-room/fact-sheets/detail/lead-poisoning-and-health>

⁸⁸ <https://www.cdc.gov/nceh/lead/faqs/lead-faqs.htm>

⁸⁹ <https://www.aap.org/en-us/advocacy-and-policy/aap-health-initiatives/lead-exposure/Pages/default.aspx>

⁹⁰ <https://www.osha.gov/toxic-metals>

⁹¹ <https://www.cdc.gov/nceh/lead/prevention/health-effects.htm>

impaired impulse control.⁹² Children’s exposure to lead is linked to [higher rates of suspension and detention](#) along with [lower reading and math test scores](#).^{93,94} Childhood exposure to lead is also linked to [higher crime rates](#).⁹⁵ According to the [CDC](#), people with prolonged exposure to lead are at higher risk of high blood pressure, heart and kidney disease, and various forms of cancer.⁹⁶

Most health impacts from lead exposure are [lifelong and irreversible](#).⁹⁷ Lead exposure is also hazardous to adults, with [18% of all deaths](#) in the US linked to lead exposure and is a significant risk factor for [cardiovascular disease](#).^{98,99} Lead is the [number one reason](#) for fatal heart attacks in the US.¹⁰⁰

Please see our [CleanEarth4Kids.org Team 5 page #GetTheLeadOut](#) for more information on the dangers of lead.¹⁰¹

- The Harm of Leaded Aviation Fuel on Communities

The EPA has issued their [public endangerment finding](#) on lead emissions from aircraft, stating it will “cause or contribute to lead air pollution.”¹⁰²

The impact of lead pollution is especially damaging to children living close to these airports as they are very likely to have significantly [higher levels of lead in their blood](#).¹⁰³ In the US, over 5 million people, including over [360,000 children](#) under the age of 5, live near at least one lead-emitting airport and face a severe risk of lead poisoning.¹⁰⁴ [Communities of color](#) are most likely to be close to these sources of lead, resulting in higher blood levels on average than white children.¹⁰⁵

In the County of Santa Clara, children living within half a mile of their airport had [lead levels nearly twice](#) that of kids in [Flint, Michigan](#) at the height of their lead crisis.^{106,107} Recognizing the danger, the County of Santa Clara has stopped the sale and storage of [leaded fuel](#) at their airport which has already significantly reduced lead emissions.¹⁰⁸

- Stopping Leaded Aviation Fuel

⁹² <https://www.luc.edu/healthyhomes/leadsafeillinois/leadfacts/rippleeffectsofchildhoodleadpoisoning/>

⁹³ <https://www.nber.org/papers/w23392>

⁹⁴ <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4387706/>

⁹⁵ <https://www.sciencedirect.com/science/article/pii/S0166046222000667>

⁹⁶ <https://columbiainsight.org/dealing-with-washingtons-legacy-of-pesticides/>

⁹⁷ <https://www.who.int/news-room/fact-sheets/detail/lead-poisoning-and-health>

⁹⁸ <https://www.vox.com/science-and-health/2018/3/15/17107924/lead-health-adults-heart-problems>

⁹⁹ [https://www.thelancet.com/journals/lanpub/article/PIIS2468-2667\(18\)30025-2/fulltext](https://www.thelancet.com/journals/lanpub/article/PIIS2468-2667(18)30025-2/fulltext)

¹⁰⁰ <https://www.vox.com/science-and-health/2018/3/15/17107924/lead-health-adults-heart-problems>

¹⁰¹ <https://cleaneearth4kids.org/team-5-get-the-lead-out>

¹⁰² https://www.epa.gov/system/files/documents/2023-10/420f23022_0.pdf

¹⁰³ <https://news.sccgov.org/news-release/study-commissioned-county-santa-clara-finds-increased-lead-levels>

¹⁰⁴ <http://nepis.epa.gov/Exe/ZyPDF.cgi/P100YG4A.PDF?Dockkey=P100YG4A.PDF>

¹⁰⁵ <https://news.sccgov.org/county-santa-clara-finds-increased-lead-levels-children-living-near>

¹⁰⁶ <https://news.sccgov.org/sites/g/files/exjcpb956/files/documents/RHV-Airborne-Lead-Study-Report.pdf>

¹⁰⁷ <https://www.nrdc.org/stories/flint-water-crisis-everything-you-need-know#summary>

¹⁰⁸ <https://countyaairports.sccgov.org/pilots/aviation-fuel>

Leaded aviation fuel is used by some piston-engine planes and helicopters in general aviation. According to the FAA (Federal Aviation Administration), an estimated [170,000 aircraft](#) operating from over 20,000 airports across the US use leaded aviation fuel (AVGAS).¹⁰⁹ These aircraft are responsible for almost [70% of airborne lead pollution](#), putting out around 500 tons of lead each year, and are the largest source of lead in US air.¹¹⁰

Unleaded fuel is now available. The sale and use of leaded aviation fuel must stop!

7. Protect and Conserve Water

Set water use reduction goals and develop policies, guidelines and education programs to replace ornamental grass and other landscaping with native plants while transitioning to gray water reuse.

Create [bioretention swales](#) in medians and other areas like [Los Angeles](#) to serve as micro-reservoirs for landscaping while filtering stormwater runoff.^{111,112}

Establish other rainwater capture and storage infrastructure throughout Carlsbad including capture barrels at every property.

Under California law, water is a basic human right. Carlsbad must take action to end water shutoffs and subsidize access to water for lower income residents.

8. Transportation

The CAP must identify methods to reduce Vehicle Miles Traveled (VMT) by encouraging the use of public and active transportation. Please develop plans to add miles of bike lanes and sidewalks, create car-free areas and implement electric shuttles in high traffic areas like downtown and the Carlsbad Outlet Mall.

9. No False Solutions

The CAP must clearly state the City of Carlsbad will not use or invest in false climate solutions like synthetic carbon capture (CCS, CCUS), dirty hydrogen, methane or biomass/biofuels. These types of greenwashed “solutions” only delay real climate action.

10. Stop Toxic Synthetic Pesticides

We ask the City to stop using synthetic pesticides in all city owned and leased parks, buildings and properties, including golf courses. Please adopt a non-toxic IPM (Integrated Pest Management) plan like the [City of Malibu](#) and many other cities.¹¹³

¹⁰⁹ http://www.faa.gov/news/fact_sheets/news_story.cfm?newsId=14754

¹¹⁰ <https://earthjustice.org/news/press/2022/epa-proposes-endangerment-finding-of-leaded-aviation-gasoline>

¹¹¹ <https://nacto.org/urban-street-stormwater-guide/green-stormwater-elements/bioretention-swale/>

¹¹² <https://dpw.lacounty.gov/WMD/STWQ/EastLA.aspx>

¹¹³ <https://www.malibucity.org/DocumentCenter/View/24741/Earth-Friendly-Management-Policy-62419>

99% of synthetic pesticides and fertilizers come from fossil fuels and the continued use of [these petrochemicals](#) is a direct threat to the climate and our world.¹¹⁴

We also ask the City to create and implement education programs encouraging everyone to use chemical free methods for pest control. [Healthy soil is important to sequestering carbon](#).¹¹⁵ But pesticides destroy the microbes that make healthy soil.

There is a massive amount of scientific studies showing the damage done by the use of [synthetic pesticides](#) to the environment and human health.¹¹⁶ Pesticides are known to [increase children's cancer risk](#) and [95% of pesticides used miss their target](#).^{117,118} Pesticides are poison, they are designed to kill. That is their purpose.

The US uses [toxic pesticides banned](#) in many other countries.¹¹⁹ The US only bans 21 pesticides while China bans 54 and the EU bans 195. (For a list of pesticides banned in other countries, please click [here](#).)¹²⁰ Legal does not mean safe! For more information on toxic pesticides and chemicals, please see our [Team 5 page](#).¹²¹ For more information on regenerative farming, permaculture, organics and healthy soils, please click [here](#).¹²²

CleanEarth4Kids.org asks the City of Carlsbad to work with local farms like the Strawberry and Flower Fields to stop the use of toxic synthetic pesticides. According to Pesticide Use Reports (PUR), these fields are using pesticides banned in other countries because of their harm to human health and the environment:

Bifenthrin. Banned 29 countries
Imidacloprid. Banned 28 countries
Oxadiazon. Banned 29 countries
Quinoxifen. Banned 29 countries
1,3-Dichloropropen/Chloropicrin. Banned 34/37 countries

The proximity to agricultural pesticides is very important because pesticides can [drift](#) miles, harming children and families living [near agricultural fields](#).^{123,124} [Pesticide drift](#) settles on playgrounds, porches, laundry, toys, pools, furniture, gardens, and lawns where people and children live, learn, and play.¹²⁵ This exposes people, pollinators, and wildlife to danger from what they touch, breathe, and eat.

These toxic pesticides also contaminate our water. The [National Water Quality](#)

¹¹⁴ <https://www.ciel.org/reports/fossil-fertilizers/>

¹¹⁵ <https://www.cdffa.ca.gov/healthysouils/>

¹¹⁶ <https://www.dw.com/en/pesticide-atlas-2022>

¹¹⁷ <https://www.sciencedirect.com/science/article/abs/pii/S1438463919306212?via%3Dihub>

¹¹⁸ <https://www.scientificamerican.com/article/pesticide-drift/>

¹¹⁹ <https://biologicaldiversity.org/united-states-uses-85-pesticides-outlawed-in-other-countries-2019-06-06/>

¹²⁰ <https://pan-international.org/pan-international-consolidated-list-of-banned-pesticides/>

¹²¹ <https://cleaneearth4kids.org/stop-pesticides>

¹²² <https://cleaneearth4kids.org/farming-regenerative>

¹²³ <https://europepmc.org/article/AGR/IND20460440>

¹²⁴ <https://pubmed.ncbi.nlm.nih.gov/11097803/>

¹²⁵ <https://www.epa.gov/reducing-pesticide-drift/introduction-pesticide-drift>

[Assessment](#) (NWQA) shows [agricultural runoff](#) as the main cause of pollution in rivers and streams.^{126,127} As pesticides travel through soil and bedrock cracks, they contaminate groundwater systems which [provide 70% of the water used for public and private water supplies, irrigation, and industry.](#)¹²⁸ Pesticides are also [absorbed by aquatic organisms](#) through their skin, breathing, and mouths.¹²⁹ Long term exposure has many negative consequences for aquatic life, such as [mortality, reproductive failure, egg shell thinning, suppression of the immune system, and other fish health complications such as excessive slime on fish scales and gills, cancers, tumors and lesions.](#)¹³⁰

For more information on toxic pesticides, please see our [Team 5: Stop Toxic Pesticides page.](#)¹³¹

11. Community Gardens

There are at least 400 families in Carlsbad waiting for plots in the existing community garden. Please expand the community garden program which will decrease heat islands, increase carbon sequestration while reducing food insecurity.

12. Create Pocket Forests

Identify small areas of 6 parking spaces or more and small vacant land areas for pocket forests. Engage with Carlsbad Unified to plant a pocket forest on each school's grounds.

[Pocket forests](#) are small areas of native trees and plants that restore nature into the urban environment.¹³² This method was adopted from Japanese botanist Akira Miyawake, the [creator of Tiny Forests.](#)¹³³ The Miyawake method emulates an area's native ecosystem through a dense-planting method of [only native species.](#)¹³⁴

These pockets forests provide vital habitats for native wildlife, attract important pollinators, provide an [equitable urban landscape,](#)¹³⁵ improve water infiltration of the soil, decrease stormwater runoff, [protect against erosion,](#)¹³⁶ provide educational opportunities to the community and [absorb large amounts of carbon dioxide.](#)¹³⁷

13. Protect Wetlands, Lagoons and Waterways

¹²⁶ <https://www.usgs.gov/mission-areas/water-resources/science/national-water-quality-assessment-nawqa>

¹²⁷ <https://www.epa.gov/nps/nonpoint-source-agriculture>

¹²⁸ <https://www.uky.edu/Ag/Entomology/PSEP/6environment.html>

¹²⁹ <https://biointerfaceresearch.com.pdf>

¹³⁰ <https://www.sciencedirect.com/science/article/abs/pii/S2215153222001003>

¹³¹ <https://cleaneearth4kids.org/stop-pesticides>

¹³² <https://www.americanforests.org/article/picking-pocket-forests/>

¹³³ <https://www.pocketforests.ie/new-page>

¹³⁴ <https://us.iahv.org/portfolio/greenpocketforests/>

¹³⁵ <https://a25.asmdc.org/20221206-assemblymember-kalra-introduces-bill-promote-urban-greening>

¹³⁶ <https://www.americanforests.org/article/picking-pocket-forests/>

¹³⁷ <https://www.weforum.org/agenda/2020/07/tiny-urban-forests-miyawaki-biodiversity-carbon-capture/>

Plant kelp and other sea grasses as appropriate to sequester carbon while protecting coastal areas from pollution and sea level rise. Identify ecologically sound methods to protect beaches, cliffs, coastal roads and the LOSSAN train corridor from erosion.

14. Ban Synthetic Grass/Artificial Turf

CleanEarth4Kids.org asks the City of Carlsbad to ban all installations of artificial grass/synthetic turf. With the signing of [SB 676](#) by Governor Newsom on October 8th, you have the authority to stop the use of this toxic plastic carpet in your city.¹³⁸ The [City of Millbrae](#) has already banned it.¹³⁹

Our youth, interns, and volunteers have worked hard to create videos and resources that can be found on our [CleanEarth4Kids.org Team 5: Stop Synthetic Turf page](#).¹⁴⁰

- Synthetic Grass/Artificial Turf is Plastic Pollution

Synthetic grass/artificial turf is plastic, made from resins like polyethylene and nylon. PFAS are used in the [extrusion of plastic yarn](#) for the “grass” blades.¹⁴¹ No synthetic grass/artificial turf manufacturer can state they are free of PFAS. PFAS, PAHS, lead, and other toxic chemicals have been found in [synthetic grass/artificial turf](#).¹⁴²

The installation and use of synthetic grass/artificial turf is the intentional installation and use of [microplastics](#)¹⁴³ which does serious harm to the [environment](#)¹⁴⁴ and [human health](#).¹⁴⁵ Recent [research](#)¹⁴⁶ has found microplastics in placentas, infant feces, breastmilk, and even infant formula. Other studies have shown microplastics changing [lung and liver cells](#).¹⁴⁷ [Microplastics were banned in United States cosmetics](#)¹⁴⁸ in 2015, but the ban on microplastics should apply to all areas of life in order to reduce these health risks.

Plastics don't break down in the environment, simply breaking down into microplastics. [Wildlife can mistake microplastics for food](#) and marine animals have been found to consume microplastics accidentally.¹⁴⁹ Microplastics attract and carry [pollutants](#) in the water and also [release toxic chemicals](#).^{150,151} Lab studies have shown that microplastics may impact the [developmental stages](#) of animals, causing

¹³⁸ https://leginfo.legislature.ca.gov/faces/billTextClient.xhtml?bill_id=202320240SB676

¹³⁹ <https://www.ci.millbrae.ca.us/276/Prohibition-of-Artificial-Turf-Synthetic>

¹⁴⁰ <https://cleaneearth4kids.org/team-5-synthetic-turf-toxic-chemicals>

¹⁴¹ <https://www.documentcloud.org/documents/6434596-Kulikov2005.html>

¹⁴² <https://theintercept.com/2019/10/08/pfas-chemicals-artificial-turf-soccer/>

¹⁴³ <https://ec.europa.eu/environment/marine/good-environmental-status/descriptor-10/pdf/microplastics>

¹⁴⁴ <https://www.unep.org/news-and-stories/story/plastic-planet-how-tiny-plastic-particles-are-polluting->

¹⁴⁵ <https://www.theguardian.com/environment/2021/dec/08/microplastics-damage-human-cells-study->

¹⁴⁶ <https://www.news-medical.net/news/20220921/Microplastics-detected-in-placentas-infant-feces-breast>

¹⁴⁷ <https://www.onegreenplanet.org/environment/microplastics-are-disrupting-metabolism-of-lung-and-liver>

¹⁴⁸ <https://www.fda.gov/cosmetics/cosmetics-laws-regulations/microbead-free-waters-act-faqs>

¹⁴⁹ <https://marinedebris.noaa.gov/what-marine-debris/microplastics>

¹⁵⁰ <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7924819>

¹⁵¹ <https://link.springer.com/article/10.1007/s42452-019-1352-0>

reproductive issues and their ability to fight disease.¹⁵² Furthermore, since humans consume fish and other marine animals, the impacts of microplastics are passed on to humans through the food chain.

The plastic life cycle is incredibly toxic. [Research](#) shows it causes premature birth, low birth weight, decreased fertility, asthma, childhood leukemia, lymphoma, brain cancer, breast cancer, mesothelioma, cardiovascular disease, chronic obstructive pulmonary disease, neuropathy, and lung cancer.¹⁵³

- Synthetic Grass/Artificial Turf Hurts the Climate

Synthetic grass/artificial turf is plastic and [plastic emits methane](#), a powerful greenhouse gas (GHG).¹⁵⁴ Plastics start as fossil fuels and emit greenhouse gasses in every stage of their [lifecycle](#), from the extraction of oil/gas to the trash pile.¹⁵⁵ Plastics have a [huge carbon imprint](#).¹⁵⁶ Research showed the emissions from plastics in 2019 were nearly 1.8 billion metric tons of greenhouse gasses, and that number is [projected to continue growing](#).¹⁵⁷

Dr. Sarah-Jeanne Royer of the Scripps Institution of Oceanography in California wrote a [letter](#) in opposition to synthetic grass/artificial turf, citing methane as a major concern.¹⁵⁸ Dr. Royer and her colleagues found that polyethylene, used to make synthetic turf/artificial grass, [releases more methane](#) than any other plastic.¹⁵⁹

During the [breakdown of polyethylene, the release of methane gas accelerates](#) and the surface area of the plastic increases, reacting more with the sunlight and releasing more methane.¹⁶⁰ As synthetic grass/artificial turf is commonly made of polyethylene, these fields constantly release methane as it interacts with the sun and everyday use. Over a 20-year period, [methane is 80x more potent](#) at warming than carbon dioxide and is responsible for 25% of global warming.¹⁶¹

- Synthetic Grass/Artificial Turf is Not Recycled

Used synthetic grass/artificial turf is expected to produce [1-4 million tons of plastic waste](#)¹⁶² in the next ten years. The plastic carpet and rubber crumb infill from synthetic grass/artificial turf fields are often [dumped illegally or sent to landfills](#)

¹⁵² <https://www.frontiersin.org/articles/10.3389/ftox.2022.748912/full>

¹⁵³ <https://www.theguardian.com/environment/2023/plastics-cause-issues-from-cancer-to-birth-defects>

¹⁵⁴ <https://www.mvtimes.com/2019/02/20/synthetic-turf-will-contribute-greenhouse-gas-problems/>

¹⁵⁵ <https://www.ciel.org/reports/plastic-health-the-hidden-costs-of-a-plastic-planet-may-2019/>

¹⁵⁶ <https://www.sciencedaily.com/releases/2019/04/190415144004.htm>

¹⁵⁷ <https://www.oecd.org/environment/plastics/increased-plastic-leakage-and-greenhouse-gas-emissions.htm>

¹⁵⁸ <https://drive.google.com/file/d/1O9NHwhVtY0ygHCcZDHHufkfcRdGFA35k/view>

¹⁵⁹ <https://www.bbc.com/news/science-environment-45043989>

¹⁶⁰ <https://www.surfrider.org/new-study-shows-plastic-as-source-of-greenhouse-gases-potentially-contribut>

¹⁶¹ <https://ecology.wa.gov/Blog/Posts/February-2023/The-trash-climate-connection-what-you-need-to-know>

¹⁶² <https://www.ydr.com/in-depth/news/2019/11/18/old-artificial-turf-fields-pose-huge-waste-problem>

since there are [no United States recycling facilities for synthetic turf](#).^{163,164} [Reuse is not recycling!](#)¹⁶⁵

- Synthetic Grass/Artificial Turf is HOT

Synthetic grass/artificial turf is 40°-70° [hotter](#) than surrounding air temperatures and has burned hands and feet.¹⁶⁶ A [study](#) by Brigham Young found the surface temperature of synthetic grass/artificial turf was 37° higher than asphalt and 86.5° hotter than natural grass.¹⁶⁷ A study found that in 90° weather, the surface temperature of a natural grass field was about 98° while a synthetic grass/artificial turf field was [over 160°](#).¹⁶⁸ [Shoes have melted](#) from the heat on synthetic grass/artificial turf with players and coaches getting blisters on the bottom of their feet through their shoes.¹⁶⁹ [First-degree burns](#) occur at 118° with blistering and second-degree burns at 131°.¹⁷⁰ Several synthetic grass/artificial turf fields in the Los Angeles Unified School District are currently [closed](#) due to high heat and melting surfaces.¹⁷¹

- Synthetic Grass/Artificial Turf is Dangerous to Athletes

Playing on synthetic grass/artificial turf can cause more injuries. According to an NFL Players Association (NFLPA) [study](#), playing and practicing on synthetic grass/artificial turf increases the chance of a lower extremity injury with a 69% higher rate of non-contact foot/ankle injuries than on natural grass.¹⁷² The NFLPA has called for [all NFL fields to be natural grass](#).¹⁷³

A [study](#) of National Collegiate Athletic Association (NCAA) athletes found playing on synthetic grass/artificial turf greatly increased the chance of knee ligament injuries while another [study](#) of high school athletes found they were 58% more likely to sustain an injury playing on synthetic grass/artificial turf than natural grass.^{174,175}

The United States Men's Professional Soccer Team and other national teams only play on natural grass in the World Cup, and the [United States Women's Soccer Team sued FIFA](#) to not play on synthetic grass/artificial turf due to the increased risk of

¹⁶³ <https://www.theatlantic.com/science/artificial-turf-fields-are-piling-no-recycling-fix/603874/>

¹⁶⁴ <https://peer.org/artificial-turfs-big-lie-old-fields-not-recycled/>

¹⁶⁵ <https://peer.org/artificial-turfs-big-lie-old-fields-not-recycled/>

¹⁶⁶ <https://www.safehealthyplayingfields.org/heat-levels-synthetic-turf/>

¹⁶⁷ <https://aces.nmsu.edu/programs/turf/documents/brigham-young-study.pdf>

¹⁶⁸ <https://www.center4research.org/injuries-related-to-artificial-turf/>

¹⁶⁹ <https://ftw.usatoday.com/2015/08/its-so-hot-in-texas-turf-is-melting-cleats>

¹⁷⁰ <https://www.nist.gov/el/fire-research-division-73300/firegov-fire-service/fire-dynamics>

¹⁷¹ <https://www.latimes.com/sports/highschool/story/2022-08-17/synthetic-l-a-unified-out-of-commission>

¹⁷² <https://nflpa.com/posts/only-natural-grass-can-level-the-nfls-playing-field>

¹⁷³ <https://apnews.com/article/9b34d4402f2f82ae60708605f65aa560>

¹⁷⁴ <https://pubmed.ncbi.nlm.nih.gov/30995074/>

¹⁷⁵ <https://www.uhhospitals.org/articles-and-news/articles/2019/08/artificial-turf-vs-natural-grass>

injury.¹⁷⁶ Soccer legend [Lionel Messi](#) will only play on real grass.¹⁷⁷

Studies have also shown that more [serious concussions](#) come from playing on synthetic grass/artificial turf compared to grass.¹⁷⁸

- Natural Grass is Best

We ask the City of Carlsbad to follow organic land management practices, especially for managing playing fields.

Training is available online through the [University of California, Riverside](#) and other [locations](#).¹⁷⁹

High-use, organically managed, natural grass fields have been in use [in many areas](#) including [Irvine, CA](#).^{180,181}

[Natural grass is the healthiest choice](#) for playing fields and parks.¹⁸² [Natural grass fields are more cost-effective than synthetic grass/artificial turf fields which have higher maintenance and long-term costs](#).^{183,184} [Natural grass fields are also cheaper to install](#) than synthetic grass/artificial turf.¹⁸⁵

With proper care and maintenance, a natural grass field can accommodate any amount of play as demonstrated by Marblehead, MA with [20 acres of organically managed fields](#) for over 15 years.¹⁸⁶

Take Climate Action NOW: There Is No Time To Waste

As shown in the United Nations Intergovernmental Panel on Climate Change (UN/IPCC) [report](#)¹⁸⁷ released March 20th 2023, our climate situation is at the point of no return. Even if we start [today](#) with immediate and strong action, we only have a very moderate chance of limiting global warming to the 1.5°C threshold by the world scientific community. We are in a climate emergency!

We already see the [effects of climate change](#)¹⁸⁸ as predicted by scientists: droughts, heat waves, extreme weather, raging wildfires, loss of sea ice, sea level rise, etc.

If we do not greatly reduce greenhouse gases now, global temperature will continue to

¹⁷⁶ <https://www.npr.org/353312770/soccer-players-sue-over-proposed-turf-field-for-womens-world-cup>

¹⁷⁷ <https://www.sbnation.com/soccer/lionel-messi-inter-miami-mls-turf>

¹⁷⁸ <https://journals.sagepub.com/doi/10.1177/03635465000280050401>

¹⁷⁹ <https://cpe.rutgers.edu/landscape/natural-turf-certificate>

¹⁸⁰ <https://www.nontoxiccommunities.com/organic-athletic-fields.html>

¹⁸¹ <https://youtu.be/o3P1T3fy6I>

¹⁸² <https://www.safehealthyplayingfields.org/health-benefits-of-natural-turf>

¹⁸³ [https://www.safehealthyplayingfields.org/s/Natural Grass Athletic Fields Ppoint Final.ppt](https://www.safehealthyplayingfields.org/s/Natural%20Grass%20Athletic%20Fields%20Ppoint%20Final.ppt)

¹⁸⁴ <https://www.safehealthyplayingfields.org/maintenance-grass-vs-synthetic-turf>

¹⁸⁵ <https://www.safehealthyplayingfields.org/cost-grass-vs-synthetic-turf>

¹⁸⁶ <https://www.turi.org/content/NaturalGrassPlayingFieldCaseStudyMarbleheadMAJune202019.pdf>

¹⁸⁷ https://report.ipcc.ch/ar6syr/pdf/IPCC_AR6_SYR_SPM.pdf

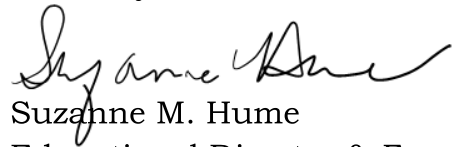
¹⁸⁸ <https://climate.nasa.gov/effects/>

rise and these impacts will also increase and intensify.

This is not a future problem, we are all being harmed right now.

The City of Carlsbad must implement a strong and enforceable Climate Action Plan now.

Sincerely,

A handwritten signature in black ink, appearing to read "Suzanne M. Hume". The signature is fluid and cursive, with a large initial 'S' and a long, sweeping underline.

Suzanne M. Hume

Educational Director & Founder

S@CleanEarth4Kids.org

(760) 650-2166

CleanEarth4Kids.org

Tammy Cloud-McMinn

From: Council Internet Email
Sent: Monday, November 6, 2023 1:09 PM
To: City Clerk
Subject: FW: Comments on CAP Update

All Receive - Agenda Item # 5
For the Information of the:
CITY COUNCIL
Date 11/4/23 CA CC
CM ACM DCM (3)

From: Diane Nygaard <dnygaard3@gmail.com>
Sent: Monday, November 6, 2023 1:01 PM
To: Council Internet Email <CityCouncil@carlsbadca.gov>
Subject: Comments on CAP Update

Honorable Mayor and Council

Meaningful efforts to reduce the impacts of climate change become more critical every day. We appreciate the challenges you face with this next CAP update.

We were all disappointed that this update can only be based on the most recent data that is available, and unfortunately that is the customized version of the 2016 SANDAG model.

Research results from around the world indicate that climate change is happening even faster than was predicted. Now, after several years of trying to implement GHG reduction measures, we have all learned how challenging this task is. The kinds of changes that are needed do not always work as well as was predicted, and it takes much longer to implement new programs than was anticipated.

In spite of efforts to reduce GHG since the original CAP was adopted, the staff report shows that the new 2016 annual baseline emissions are now 981k Metric tons of GHG, whereas they were 706K in the previous CAP. That is a substantial increase in overall community GHG emissions. The transportation sector that previously accounted for 39% of the total GHG now accounts for 51%.

We appreciate that the action list is still being refined based on your input and that from the community. We have provided more detailed input to staff. Today we offer just a few big picture thoughts for how to ensure the final CAP actually achieves the GHG reductions that are needed:

- Set a higher threshold to allow for contingencies

The CAP actions just barely meet the minimum required GHG reductions. The amount needed assumes substantial reductions will come from state actions so the City only needs to close the gap. But past results show the state failed to meet their targets and there is no reason to think that will get better. In addition, many of the action items from the 2015 CAP were not implemented as planned, or did not achieve the results that were predicted. Planning for contingencies- perhaps by setting a goal to achieve 10% greater reductions than the bare minimum, would help increase the odds of actually achieving the targets.

- Improve accountability by establishing stronger interim benchmarks for implementation

Many of the action items have targets years in the future with years of advance work needed to get programs ready. There is no easy way for you or the public to measure actual progress toward meeting the 2035 and 2045 targets without some clear interim benchmarks.

- Focus efforts on priority actions with the highest GHG reductions

Two that we think are critical include building electrification combined with 100% renewable energy through CEA, and a strengthened TDM program that addresses all land uses. Both of these efforts need to address both new and existing development and include both carrots and sticks.

Thank you for considering these comments.

Sincerely,

Diane Nygaard
On behalf of Preserve Calavera

CAUTION: Do not open attachments or click on links unless you recognize the sender and know the content is safe.

Tammy Cloud-McMinn

From: Wendy Mihalic <wmihalic@gmail.com>
Sent: Tuesday, November 7, 2023 10:54 AM
To: City Clerk
Subject: Agenda Item #5, 11/7/23

All Receive - Agenda Item # 5
For the Information of the:
CITY COUNCIL
Date 11/7/23 CA CC
CM ACM DCM (3)

Honorable Mayor and Council Members,

Thank you for the opportunity to share some insights from my personal experience with decarbonizing buildings, namely my home. I do not live in Carlsbad but my La Mesa community faces many of the same environmental issues and is also in the process of updating their CAP. My home is now fully electric (the gas meter has been removed) and I can attest to the benefits of removing methane gas from my environment, including cleaner indoor air and lower utility bills.

Seven of the 22 potential measures recommended for inclusion in the Carlsbad CAP Update are from the Energy sector and of those seven, five are related to buildings. Buildings are second only to transportation in GHG emissions in our region when accounting for the electricity and natural gas consumed in our homes and businesses. Burning natural gas accounts for 14% of 2016 emissions in Carlsbad, largely due to heating homes, offices and water.

So, it makes sense that Carlsbad adopt strategies to focus on decarbonizing buildings. The access to clean electricity through the Clean Energy Alliance Community Choice Energy program makes the choice to 'electrify everything' that much clearer.

Funding available to communities and residents to retrofit their homes with energy efficient electric appliances is at an all-time high. Now is the time to provide education and outreach to help residents apply for Federal, State and Local incentives to increase the use of electric/ heat pump appliances in Carlsbad. Reducing energy usage, especially gas, in existing buildings is key to meeting climate goals.

Other recommendations include:

1. Work with Clean Energy Alliance to increase Carlsbad customer participation in 100% renewable energy by 2030.
2. Encourage and enable building energy audits to identify the best efficiency options.
3. Pass an ordinance for all new buildings, commercial and residential, to be electric. As stated above, encourage the electrification of existing residential and commercial buildings.
4. Retrofit all municipal buildings and establish a specific time-line to complete the conversion to all-electric.
5. Identify areas where distributed energy makes sense:
 - a. Public sites suitable for rooftop or parking lot PV solar and/or battery storage.
 - b. Private businesses that have space for rooftop or parking lot PV solar and may be interested in the SDCP feed-in tariff program, which provides incentives for small generators (< 1 MW).
 - c. Explore the use of microgrids for municipal facilities.
6. Commit to electrifying the municipal fleet including all city-heavy duty and emergency response vehicles.
7. Install public EV charging stations.
8. Require electric landscape equipment for businesses and residents, start with municipal operations.
9. Include requirements to phase out high-global warming potential refrigerants including switching to safer refrigerants and requiring existing systems to be exceptionally leak-tight.

The Themes from Phase I Public Comment (Exhibit 4, Pg 47-51) couldn't be better stated: Be bold, consider a range of actions with priority on largest GHGe reductions and promote equity and public awareness.

Thank you

Wendy Mihalic

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Tammy Cloud-McMinn

From: kelly.leberthon12@gmail.com
Sent: Tuesday, November 7, 2023 11:35 AM
To: City Clerk
Subject: City Council November 7, 2023, Agenda 5

Financing the Green Agenda boondoggle presents a huge problem and is only superficially addressed in the memo noting that we can expect there will be a need for 'new staffing' – following the paradigm of government created and tax payer funded cottage industries like the homeless programs – new staff, new infrastructure, new administration, new funding. The memo goes on to state that “Because of the nature of a long-range planning program such as the Climate Action Plan update, actual resource needs have not been specifically identified at this time. However, staff will ensure that all available external funding sources.”

The staff memo proposes measures like “Zero emission city fleet.” How much will this cost? And if you allowed true freedom of speech and other-than-green-agenda- input you might even know that an all electric vehicle is NOT good for the environment!

What about the **Human Cost**? Are you aware that the minerals for EV batteries and solar panels largely come from communist China who use Uyghur slave labor to make them?

“...environmental journalist Michael Shellenberger sounded the alarm over the connection between Chinese-made solar panels and the CCP's ongoing genocide of the Uyghur ethnic group...Shellenberger [referenced] a report by The New York Times that connected the production of solar panels in China to the 'forced labor' of minority groups in Chinese-occupied East...People say that what reduced the cost of solar panels was tech innovation, but it wasn't...It was Chinese government subsidies, coal, and forced labor. This issue should transcend politics. It's immoral to import products made in such horrific conditions.”

<https://catholicvote.org/house-both-parties-confront-biden-over-solar-panels-made-by-forced-labor-in-china/>

To gather the minerals countries like Democratic Republic of the Congo (DRC) in south central Africa use **child labor** to dig in dirt at pennies a day??



<https://www.themainewire.com/2022/12/maine-ev-goals-put-green-ideology-over-lives-of-cobalt-mining-congolese-children/>

"Cobalt is an essential ingredient in lithium-ion batteries. Around 74% of the cobalt on the planet lies in one small area of the Democratic Republic of the Congo (DRC) in south central Africa...the Chinese government and Chinese mining companies took control of almost all the big mines." Since then, Kara says, "The **local population has been displaced, is under duress, and they dig in absolutely sub-human gut-wrenching conditions for a dollar a day** feeding Cobalt up the supply chain."

Are you aware that **public demand for EV's is so low** that "Amazingly, **less than 10% of all new car sales over the past two years were EVs**. This is despite the fact that the U.S. government is writing a \$7,500 check to people for buying an EV, and some states are kicking in \$5,000 more...all-in EV subsidies can reach \$40,000 per vehicle... It would practically be cheaper for the government to purchase a new gas vehicle for every American car buyer." And "Energy expert Robert Bryce estimates that Ford has lost \$62,000 for each EV it has rolled off the assembly line."

https://www.dailysignal.com/2023/10/31/the-great-green-energy-transition-that-wasnt/?utm_source=TDS_Email&utm_medium=email&utm_campaign=CapitolBell

Lastly, the energy discussion should include **fossil fuels and nuclear** options. Climate alarmists have caused undue fear of these options. The truth matters.

"The rate of climate disaster death has gone down by a factor of 50. So it's gone down 98% in the last 100 years. Why? Because whatever warming impact we've had on climate is trivial compared to our ability to neutralize climate danger to what I call master climate. If you have a lot of energy to power irrigation systems and to power crop transport and to heat and to cool, and to build sturdy infrastructure and to have storm warning systems to tap evacuation, you're going to be incredibly safe from climate. So climate change doesn't matter compared

to climate mastery. And the way you get climate mastery is having cheap energy. And the only way you can get cheap energy on a large scale right now and for the foreseeable future is fossil fuels. So undoubtedly, Africa needs far more fossil fuels to develop and prosper, and that's not going to cause a crisis." https://alexepstein.substack.com/p/my-speech-and-interview-at-africa?utm_source=post-email-title&publication_id=513601&post_id=138247150&utm_campaign=email-post-title&isFreemail=true&r=plnd&utm_medium=email

Note too that **the Scientific Community is not monolithic**. An article titled "Coalition of Scientists: 'There is No Climate Emergency'" states "Climate science has degenerated into a discussion based on beliefs, not on sound self-critical science,...In the future, climate research must give significantly more emphasis to empirical science."

The signers highlighted that "natural as well as anthropogenic factors" have led to warming, but that this is no surprise or cause for alarm, because "the earth's climate has varied as long as the planet has existed, with natural cold and warm phases." <https://catholicvote.org/coalition-of-scientists-no-climate-emergency/>

Stop the fear mongering and stop spending our money on these climate hysteria programs and start better understanding the Energy Issues by opening up the conversation to those not on the green agenda alarm squad. Revise staff's stakeholder community to include those other than the Green Agenda community.

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Tammy Cloud-McMinn

From: Krishna Markowicz <krisha2700@yahoo.com>
Sent: Tuesday, November 7, 2023 11:46 AM
To: City Clerk
Subject: No to agenda 5

Financing the Green Agenda boondoggle presents a huge problem and is only superficially addressed in the memo noting that we can expect there will be a need for 'new staffing' – following the paradigm of government created and tax payer funded cottage industries like the homeless programs – new staff, new infrastructure, new administration, new funding. The memo goes on to state that "Because of the nature of a long-range planning program such as the Climate Action Plan update, actual resource needs have not been specifically identified at this time. However, staff will ensure that all available external funding sources."

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What about the **Human Cost**? Are you aware that the minerals for EV batteries and solar panels largely come from communist China who use Uyghur slave labor to make them?

"...environmental journalist Michael Shellenberger sounded the alarm over the connection between Chinese-made solar panels and the CCP's ongoing genocide of the Uyghur ethnic group...Shellenberger [referenced] a report by The New York Times that connected the production of solar panels in China to the 'forced labor' of minority groups in Chinese-occupied East...People say that what reduced the cost of solar panels was tech innovation, but it wasn't...It was Chinese government subsidies, coal, and forced labor. This issue should transcend politics. It's immoral to import products made in such horrific conditions." <https://catholicvote.org/house-both-parties-confront-biden-over-solar-panels-made-by-forced-labor-in-china/>

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<https://www.themainewire.com/2022/12/maine-ev-goals-put-green-ideology-over-lives-of-cobalt-mining-congolese-children/>

“Cobalt is an essential ingredient in lithium-ion batteries. Around 74% of the cobalt on the planet lies in one small area of the Democratic Republic of the Congo (DRC) in south central Africa...the Chinese government and Chinese mining companies took control of almost all the big mines.” Since then, Kara says, “The **local population has been displaced, is under duress, and they dig in absolutely sub-human gut-wrenching conditions for a dollar a day** feeding Cobalt up the supply chain.”

Are you aware that **public demand for EV's is so low** that “Amazingly, **less than 10% of all new car sales over the past two years were EVs**. This is despite the fact that the U.S. government is writing a \$7,500 check to people for buying an EV, and some states are kicking in \$5,000 more...all-in EV subsidies can reach \$40,000 per vehicle... It would practically be cheaper for the government to purchase a new gas vehicle for every American car buyer.” And “Energy expert Robert Bryce estimates that Ford has lost \$62,000 for each EV it has rolled off the assembly line.” https://www.dailysignal.com/2023/10/31/the-great-green-energy-transition-that-wasnt/?utm_source=TDS_Email&utm_medium=email&utm_campaign=CapitolBell

Lastly, the energy discussion should include **fossil fuels and nuclear** options. Climate alarmists have caused undue fear of these options. The truth matters.

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africa?utm_source=post-email-title&publication_id=513601&post_id=138247150&utm_campaign=email-post-title&isFreemail=true&r=plnd&utm_medium=email

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Krishna Wolter
District 2 resident.

Sent from my iPhone

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Tammy Cloud-McMinn

From: Tamara Dixon <tamara9497@yahoo.com>
Sent: Tuesday, November 7, 2023 11:56 AM
To: City Clerk
Subject: Agenda 5

Dear council members ,

City Council November 7, 2023, Agenda 5

Financing the Green Agenda boondoggle presents a huge problem and is only superficially addressed in the memo noting that we can expect there will be a need for 'new staffing' – following the paradigm of government created and tax payer funded cottage industries like the homeless programs – new staff, new infrastructure, new administration, new funding. The memo goes on to state that "Because of the nature of a long-range planning program such as the Climate Action Plan update, actual resource needs have not been specifically identified at this time. However, staff will ensure that all available external funding sources." The staff memo proposes measures like "Zero emission city fleet." How much will this cost? And if you allowed true freedom of speech and other-than-green-agenda- input you might even know that an all electric vehicle is NOT good for the environment!

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<https://www.themainewire.com/2022/12/maine-ev-goals-put-green-ideology-over-lives-of-cobalt-mining-congolese-children/>

“Cobalt is an essential ingredient in lithium-ion batteries. Around 74% of the cobalt on the planet lies in one small area of the Democratic Republic of the Congo (DRC) in south central Africa...the Chinese government and Chinese mining companies took control of almost all the big mines.” Since then, Kara says, “The **local population has been displaced, is under duress, and they dig in absolutely sub-human gut-wrenching conditions for a dollar a day** feeding Cobalt up the supply chain.”

Are you aware that **public demand for EV's is so low** that “Amazingly, **less than 10% of all new car sales over the past two years were EVs**. This is despite the fact that the U.S. government is writing a \$7,500 check to people for buying an EV, and some states are kicking in \$5,000 more...all-in EV subsidies can reach \$40,000 per vehicle... It would practically be cheaper for the government to purchase a new

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Thank you

Tamara Dixon

Tamara Dixon

Sent from my mobile phone

619-787-7396

Tammy Cloud-McMinn

From: George Corrales <george.corrales@interlogica.com>
Sent: Tuesday, November 7, 2023 12:10 PM
To: City Clerk
Subject: City Council Agenda 5, November 7, 2023

Financing the hysteria-driven Green Agenda is a huge waste of human resources, time, and money. As noted, for example, "new staffing" will be needed, but "because of the nature of a long-range planning program like the Climate Action Plan update, actual resource needs have not been specifically identified at this time." Translation, taxpayers are on the hook in perpetuity. That is not acceptable.

Another example includes moving the city towards a "zero-emission city fleet." The cost? Not specified. Why? Because the facts on EVs are in: all-electric vehicles are bad for the environment, lithium mining is off the backs of poverty-stricken nations, and new, better alternatives are on the near horizon, including Toyota's investment in hydrogen- and ammonia-powered vehicles.

The human cost must also be weighed. For example, communist China uses Uyghur slave labor to extract EV battery and solar panel minerals. Environmental writer Michael Shellenberger raised concerns about the link between Chinese-made solar panels and the CCP's continuing extermination of the Uyghur ethnic minority. According to Shellenberger, a New York Times study linked Chinese solar panel manufacture to forced labor of minority communities in Chinese-occupied East.

Tech innovation is often credited for lowering solar panel costs, however this is not true. China provided subsidies, coal, and forced labor. It should transcend politics. Importing items from such squalor is immoral."

See:

<https://catholicvote.org/house-both-parties-confront-biden-over-solar-panels-made-by-forced-labor-in-china/>

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Cobalt is crucial to lithium-ion batteries. Approximately 74% of global cobalt is found in the Democratic Republic of the Congo (DRC) in south-central Africa, where the Chinese government and mining corporations control most major mines. Since then, Kara explains, "The local population has been displaced, is under duress, and they dig in

absolutely sub-human gut-wrenching conditions for a dollar a day feeding Cobalt up the supply chain.”

Less than 10% of new automobile sales over the last two years were EVs, indicating poor consumer demand. Even if the U.S. government provides \$7,500 for EV purchases and certain states contribute \$5,000 extra, all-in EV subsidies may approach \$40,000 per car. The government would save money by buying every American car buyer a new gas vehicle. Energy expert Robert Bryce says Ford has wasted \$62,000 on each EV it has produced on the assembly line.

See:

https://www.dailysignal.com/2023/10/31/the-great-green-energy-transition-that-wasnt/?utm_source=TDS_Email&utm_medium=email&utm_campaign=CapitolBell

Finally, energy discussions should include fossil fuels and nuclear. Climate alarmists have created unnecessary dread about these choices. The truth counts.

“Climate catastrophe deaths have dropped 50-fold. The previous 100 years have seen a 98% drop. Why? Because our warming influence is negligible compared to our power to govern climate. You'll be climate-safe if you have enough energy to power irrigation systems, crop transport, heating, cooling, building durable infrastructure, and storm warning systems to evacuate. So climate mastery trumps climate change. With inexpensive energy, you can master climate. You can only obtain inexpensive energy on a massive scale from fossil fuels today and in the future. African development and prosperity need substantially more fossil fuels, but that won't trigger a catastrophe.”

See:

https://alexepstein.substack.com/p/my-speech-and-interview-at-africa?utm_source=post-email-title&publication_id=513601&post_id=138247150&utm_campaign=email-post-title&isFreemail=true&r=plnld&utm_medium=email

Be aware that the Scientific Community is diverse. According to the article “Coalition of Scientists: ‘There is No Climate Emergency’”, climate science has become a topic focused on ideas rather than good evidence. Climate research must emphasize empirical science more in the future.”

The signers noted that “natural as well as anthropogenic factors” have caused warming, but “the earth’s climate has varied as long as the planet has existed, with natural cold

and warm phases." <https://catholicvote.org/coalition-of-scientists-no-climate-emergency/>

Stop the fear mongering and stop spending money on climate hysteria initiatives. Instead, open the discourse to non-green agenda alarmists to better comprehend energy issues. Add non-Green Agenda stakeholders to staff's stakeholder community.

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From: tamara9497@yahoo.com
Sent: Tuesday, November 7, 2023 1:18 PM
To: City Clerk
Subject: agenda 5

Importance: High

Expires: Thursday, December 7, 2023 12:00 AM

Agenda 5

Dear Council Members,

A \$500-million dollar project is finally getting started after years of hype and headlines about the Imperial Valley someday becoming a powerhouse in the fight against climate change.

An Australian company is preparing to tap a buried reservoir of salty, superheated water to produce renewable energy — **and lithium, a crucial ingredient in electric car batteries.**

Can you imagine the particles of dust and lithium that will float into nearby towns? Wait, isn't that Carlsbad where the batteries will be manufactured. What about the decimation to our land due to the digging.

Have people who want to only go electric realize they are voting "for" more pollution unbeknownst to them. What happens after the batteries cannot be used any longer? Will they be thrown into a battery graveyard to have lithium seep into our dirt and streams?

What happens if our electric grid goes down? How will everyone charge their car battery and be able to use their appliances.

If climate change is so important to you, will YOU give up your private trips by jet or gas guzzling car?

The most logical answer is not to go all electric as there is no such thing as climate change. The only climate change I see is the trash the homeless leave behind.

Thank you,

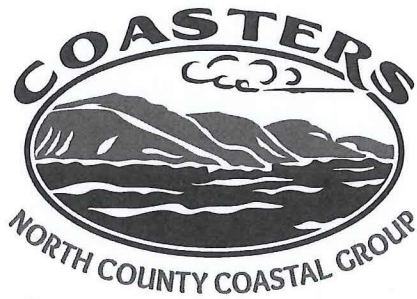
Tamara Dixon

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Tammy Cloud-McMinn

From: Mike McMahon <2mmcmahon@gmail.com>
Sent: Monday, November 6, 2023 3:34 PM
To: City Clerk
Subject: City Council Meeting for Nov 7, 2023 Agenda Item 5, Potential GHG Emissions for the CAP Update

All Receive - Agenda Item # 5
For the Information of the:
CITY COUNCIL
Date 11/7/23 CA CC
CM ACM DCM (3)



Explore, Enjoy &
Protect the Planet

Dear Mayor and City Council,

Our city will need to reduce greenhouse gases (GHG) in 2030 by 50% and in 2045 by 85% from 1990 levels. These reductions are predicated on when the measures are implemented, the sooner measures are implemented the sooner we can meet these state deadlines. While building on some previous CAP measures, staff has listed additional measures that need immediate attention to enact and measure their progress in meeting our climate goals. This will require the city to have an implementation plan to actively fund and identify priority measures, chart costs, task responsible staff, interface with related agencies, and meet timelines.

All additional proposed CAP measures need to be acted on, but by far, energy and transportation will need the city's active attention and ongoing commitment to meet our mandated state GHG levels. We urge the city to focus on the following areas:

- The TDM is weak. With transportation ~50% of our emissions, this needs serious action. The recent purchase of 40 new police cruisers in lieu of looking at options for hybrids shows a lack of commitment to lowering GHGs in this sector. Recruit more businesses by adjusting the threshold for requiring a TDM plan.
- Our third highest generator of GHG is natural gas use. 2035 is the year our General Plan anticipates the city will be fully developed or built out. As a city that has declared a climate emergency, we can no longer continue to keep building out natural gas fossil fuel lines into buildings. We need to enact an ordinance for new building electrification (through building efficiency reach code adoption) and, at the same time, start the process of retrofitting buildings to higher efficiency standards. All new building codes should strongly incentivize if not mandate all electric soon so that residents aren't left with stranded methane infrastructure should the state move to removing gas from buildings.
- Establish a city wide CEA goal of 100% renewable energy by 2035 for residential, non-residential and municipal buildings.
- Make climate action front and center by creating a dashboard on the city's home page to monitor CAP progress and quick links for residents and businesses to learn about building decarbonization, and incentives available to make clean appliance purchases.

Again, we can't stress enough that action be taken soon. Locking in GHG reductions greatly improves our ability to meet our targets. Carlsbad needs to show it really is a sustainability leader and not just taking the path of least resistance.

Mike McMahon
On Behalf of Sierra Club North County Coastal Group

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Tammy Cloud-McMinn

From: Mary Hassing <mehassing@gmail.com>
Sent: Monday, November 6, 2023 4:08 PM
To: City Clerk
Subject: Comment on Agenda #5, Potential Measures to Reduce Greenhouse Gas Emissions for the Climate Action Plan Update

Dear Council members,

As you go through the process of updating the city's Climate Action Plan, I urge you to prioritize the reduction of GHG emissions. If Carlsbad is to meet the mandated CA target goals of 50% reduction from 1990 levels in 2030 and 85% in 2045, there must be a firm commitment to an immediate implementation plan.

Electrification of new building construction through adoption of a reach code, and elimination of new gas lines, is an important step. Incentivizing all electric for commercial and residential buildings helps the city move into the future and helps businesses and residents update their infrastructure to achieve a cleaner and healthier environment. Certainly, new city facilities and renovations should automatically be all electric.

Transportation produces around 50% of emissions. Decisions we make every day influence that percentage, whether we use available public transportation, bike, walk or carpool. Many Carlsbad residents have chosen to purchase an electric or hybrid vehicle. It was discouraging to learn that the city recently decided to purchase 40 new gas engine police cruisers. How many years will those vehicles be on our roads and how many tons of GHG emissions will they produce?

We residents are looking for your leadership in fighting climate change. In the spirit of Carlsbad's Climate Emergency Declaration, please recommit to doing all you can for our environment.

Sincerely,

Mary Hassing
Carlsbad

CAUTION: Do not open attachments or click on links unless you recognize the sender and know the content is safe.

Tammy Cloud-McMinn

From: kelly.a.lyndon@gmail.com
Sent: Monday, November 6, 2023 6:52 PM
To: City Clerk
Cc: Katie Hentrich
Subject: Comments on Item #5 on 11/7/23 agenda

Regarding Item #5 "POTENTIAL MEASURES TO REDUCE GREENHOUSE GAS EMISSIONS FOR THE CLIMATE ACTION PLAN UPDATE"

I'm pleased to see the progress on the CAP, this is such an important effort for the community of Carlsbad.

The following are my comments on the CAP proposed actions developed by staff:

1. Renewable Energy at Municipal Facilities: I recommend changing the title to add "and Energy Efficiency", based on content and parallel to other sections.
2. Renewable Energy at Municipal Facilities: while it does say "Eliminate natural gas use from city facilities", I suggest being more specific - all new municipal buildings and additions/alterations should be all-electric, including replacing gas systems with efficient electric systems at their end of life.
3. In the two sections on Res & NonRes EE & RE, I suggest adding a contingent action – to pass a reach code to require all-electric buildings if and when the associated legal issues (CRA vs Berkeley) are resolved. This CAP will last many years, hopefully one day the lawsuit will be resolved allowing this.
4. Building Energy Benchmarking: This is great, but it is just reporting usage. Usually cities take it further and create a "Building Performance Standard", which establish specific performance levels that buildings must achieve over time. I suggest a phased approach starting with Benchmarking and then adding Performance Standards
5. Decarbonize Existing Buildings: I suggest adding "Community-Driven Retrofit Accelerator" as another example under the supporting action "Seek external funding..."

Thank you,
Kelly Lyndon

CAUTION: Do not open attachments or click on links unless you recognize the sender and know the content is safe.

Tammy Cloud-McMinn

From: Craig Benedetto <craigb@calstrat.com>
Sent: Tuesday, November 7, 2023 9:49 AM
To: Katie Hentrich
Cc: Melanie Cohn; Melanie Woods; Chris Duggan; Fred Tayco; Angeli Calinog Hoyos; Marshall Anderson; City Clerk; Lori Pfeiler; Hannah Gbeh; Manager Internet Email
Subject: Coalition Ltr - Carlsbad CAP Update - Item #5 - Nov 7, 2023
Attachments: Coalition Ltr - Carlsbad CAP Update - Nov 7, 2023.pdf

Good morning Katie. Please accept a comment letter from our coalition on the draft Climate Action Plan to be discussed this evening by the City Council. I've copied all of our members who have co-signed this letter. We look forward to further discussion with you about the specifics of the plan in the near future. In the meantime, please let us know if you have any comments or questions. Thanks and have a great rest of your morning.

Sent by:

Craig Benedetto
California Strategies
530 B Street, Suite 920
San Diego, CA 92101

O: (619) 546-7451
C: (619) 980-8032
E: craigb@calstrat.com

www.calstrat.com

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**NAIOP San Diego
BOMA San Diego
San Diego Regional Chamber of Commerce
Biocom California
California Apartment Association
California Restaurant Association
Building Industry Association of San Diego
San Diego County Lodging Association**

TRANSMITTED ELECTRONICALLY

November 7, 2023

Katie Hentrich, CAP Administrator
Environmental Sustainability
City of Carlsbad
1635 Faraday Ave.
Carlsbad, CA 92008

RE: DRAFT Climate Action Plan Update

Dear Katie:

On behalf of the undersigned coalition, please accept some preliminary comments on the draft Climate Action Plan Update documents the City has posted on its website. It should be noted that the draft document is mostly thematic, so it's difficult to make direct comment to specific proposals, but we have endeavored to give our thoughts on the numerous issues that might be included under these thematic areas.

In general, our coalition appreciates that cities are regularly updating their climate action plans to reflect environmental priorities and state law changes. Our coalition's members have been leaders in reducing greenhouse gas emissions from the built environment. Our members see themselves as part of the solution to addressing climate change. Again, in general, our members and for those who have rental commercial or residential property, their tenants also recognize and support, within reason, the importance of protecting our planet by increasing energy efficiency.

It's important to note, and as the greenhouse gas inventory conducted by city staff demonstrates, the vast majority of climate emissions are from transportation. Our coalition believes the best way to control transportation emissions is to increase jobs creation adjacent to where people live. In Carlsbad, while there has been excellent planning to try and balance jobs

and housing, more could be done on this front to balance the distance between where people live, where they work and where they seek their services.

The remaining emission reduction opportunities are spread between a number of categories, all of which represent a small amount of GHG. As the City looks to adopt even more stringent rules, you should be careful to not harm the ability of jobs providers to create new commercial and industrial spaces, detrimentally impact your existing employers, as that could be counter to the important goal of reducing GHG by better co-location and balance of jobs-housing-services.

With these preliminary general thoughts in mind, we offer the following comments on the theme areas included in the draft plan:

- Emissions benchmarking reports - state law already requires this reporting. Other jurisdictions, like the City of San Diego, also have overlapping requirements for these reports. We would strongly recommend that the required reports mirror those already provided to the state. Energy Star Portfolio Manager is the tool used, and we'd recommend that tool be used here, if a duplicative requirement is desired.
- Building code energy efficiency requirements - the State of California already has some of the most stringent energy efficiency requirements in the world. Some jurisdictions like the public relations narrative of going beyond state requirements using "reach" or "stretch" codes. We would strongly encourage caution in going beyond already aggressive state standards. It creates uncertainty in the development process, as well as a competitive disadvantage in your community.
- Electrification - our coalition has opposed building electrification mandates. While we know that's not presently being considered, we also know it's still a potential future consideration, which is why we reinforce this point. Numerous examples exist of the need for a variety of clean energy production methods that cannot meet this standard. Whether its life sciences, restaurants or other manufacturers, including the provision of services in larger buildings, some processes or equipment require natural gas. It's a relatively small amount, by comparison to other emission sources, and shouldn't be immediately discarded given the implications. With regard to residential property, the mandated replacement of appliances, water heaters or other equipment in existing buildings would represent a significant cost which would accrue to residents.
- EV charging and photovoltaic mandates should be carefully considered. These are extremely expensive requirements that are not easily achieved, particularly in commercial settings. Serving those additional loads on a property by property basis can be challenging, and expensive. As in other comments, these mandates add to the cost of doing business or the cost of housing, and our coalition believes the cost-benefit should be a factor in these decisions.
- Incentives work. An excellent example is in the installation of photovoltaic as well as the acquisition of electric vehicles. When incentives, like tax credits, are applied, acceptance and adoption increases exponentially. When they drop, like the recent decision by the

CPUC to change net metering rules, adoption dramatically drops. The City should focus on incentives for change, rather than mandates.

- Transportation demand management is a cautionary tale. In some cases, mandates under a TDM program that drive either operational changes or impact employees from a cost or convenience standpoint could drive businesses out of Carlsbad, which harms your economic development efforts, as well as conflicts with the greatest means of reducing emissions, which is having jobs adjacent to homes in your community. Voluntary programs, coupled with financial incentives to pay for ride sharing are something to be used and expanded. Additional analysis should also be completed. Given COVID-era driven changes in work habits, a number of employers are allowing an even greater share of work from home opportunity, which may mean that these goals are already being readily met. Focus should also be paid to improving the areas transit services, including shuttle services to and from rail stations. Convenience drives behavior, so that could assist greatly in reducing auto trips. Lastly, the State of California has already mandated the phasing out of combustion vehicle sales. There should be much less concern about vehicle emissions, given the time horizons for these mandates.
- Parking Demand Management - Village and Barrio parking management studies are being conducted, so no action should be taken until those are done. Again, similar to the TDM discussion, caution should be used in creating rules or requirements that make it difficult to develop or maintain a business within your community. Many of the ideas discussed under TDM in this letter could be considered for this as well.

Lastly, we'd like to note our concerns about the public review process. We are disappointed that a council hearing is taking place before the conclusion of the very brief public comment period for the draft plan ends. In order for City decision makers to make well-informed decisions that will have lasting impact on Carlsbad and regionally, we ask that the remainder of this process is more open and collaborative with stakeholders and members of the public. In closing, we kindly request a cost-benefit analysis be done on any proposal to be considered.

Thank you for your time and consideration of these thoughts. Our organizations are willing to continue to discuss these issues as you proceed with more specific update proposals.

Sincerely,

Craig Benedetto, NAIOP San Diego & BOMA San Diego
Angeli Hoyos, San Diego Regional Chamber of Commerce
Melanie Cohn, Biocom California
Melanie Woods, California Apartment Association
Chris Duggan, California Restaurant Association
Lori Holt Pfeiler, Building Industry Association of San Diego
Fred Tayco, San Diego County Lodging Association

CC: Carlsbad City Council

Tammy Cloud-McMinn

From: Council Internet Email
Sent: Tuesday, November 7, 2023 2:19 PM
To: City Clerk
Subject: FW: Item 5 on tonight's agenda

All Receive - Agenda Item # 5
For the Information of the:
CITY COUNCIL
Date 11/8/23 CA CC
CM ACM DCM (3)

-----Original Message-----

From: Kathy Parker <casparker@outlook.com>
Sent: Tuesday, November 7, 2023 1:58 PM
To: Council Internet Email <CityCouncil@carlsbadca.gov>
Subject: Item 5 on tonight's agenda

> Council members,

>

> While I am glad to see you are at least, addressing some problems and solutions to our current climate crisis, I continue to be disappointed with the snails pace at which the city is actually implementing measures that will slow climate change. It would seem your reluctance to take action has to do with not alienating certain factions that could suffer financially from the restrictions that need to be imposed toward the goal of 100% clean energy. For the sake of the welfare of the planet, that my grandchildren will be inhabiting for the next many decades, I think we must be bold enough to set limits, whether popular or not, in the very near future.

>

> I urge you to be bold on your votes to implement the CAP despite the fact that you may find objections to some of the measures from your near sighted constituents who may find them inconvenient.

>

> Kathryn Parker

> Residing at 3784 Skyline Rd for the last 47 years.

CAUTION: Do not open attachments or click on links unless you recognize the sender and know the content is safe.

From: Barbara Diamond <diamondbarb@gmail.com>
Sent: Tuesday, November 7, 2023 1:57 PM
To: City Clerk
Subject: Agenda # 5 comment on the need for an educational out-reach program for the CAP

Dear Council Members,

There are many important CAP goals that deal with the reduction of fossil fuels. In my opinion, more emphasis should be on educating the public to gain commitment to these goals. Without public support, the goals will likely fall short.

There are many ways to gain the public attention. Community educators could be recruited to form an educational plan. Scott Chadwick's weekly newsletter could produce interesting articles and graphs as in the news about covid. Community organizations and student groups could promote climate goals and behavior change. Eye-catching posters and advertisements with suggestions for reducing fossil fuel use and changing to renewable energy placed in various locations could attract the attention of the public who tend to be unaware of climate issues. I am sure there are many more good ideas out there.

Please make this a priority that can be set into action in the near future.

Barbara C. Diamond
resident for 25 years in District 1.

--
~Barbara Diamond~

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CITY COUNCIL
Staff Report

Meeting Date: Nov. 7, 2023

To: Mayor and City Council

From: Scott Chadwick, City Manager

Staff Contact: Katie Hentrich, Senior Program Manager
katie.hentrich@carlsbadca.gov, 442-339-2623

Subject: Potential Measures to Reduce Greenhouse Gas Emissions for the Climate Action Plan Update

Districts: All

Recommended Action

Receive a report on potential measures to reduce greenhouse gas emissions for the draft Climate Action Plan update and provide feedback to staff as desired.

Executive Summary

Carlsbad's Climate Action Plan outlines the city's strategies and policies to reduce greenhouse gas emissions to meet state-mandated targets to reduce emissions to 4% below 2012 levels by 2020, and then to 52% below 2012 levels by 2035. The plan targets the community's greenhouse gas inventory, a list of emission sources and their associated emissions.

Since the city adopted the Climate Action Plan in 2015, the communitywide greenhouse gas inventories and the statewide targets have both been updated, making it necessary to update the plan to advance the community's goal of promoting a sustainable environment and align with updated statewide targets to reduce greenhouse gas emissions.

Following the direction of the City Council, staff have been working with a consultant to prepare a comprehensive update to the Climate Action Plan since 2021. This update is intended to meet two state targets: to reduce emissions to 50% below 2016 levels by 2035 and to reduce emissions to 85% below 2016 levels by 2045.

As part of that process, staff are now asking the City Council to review 22 potential greenhouse gas reduction measures for inclusion in the update of the Climate Action Plan so the city can comply with the state-wide goal. Some of the proposed measures relate to actions that the city is already taking.

The City Council's feedback on these potential measures, as well as community input gathered through public engagement efforts, will help guide the rest of the development of an updated Climate Action Plan.

After the City Council’s review, staff will conduct a detailed analysis of the cost of implementing these measures and then, in early 2024, analyze their potential environmental impact, in keeping with the California Environmental Quality Act.

The City Council will be asked to make the final decision on the exact emissions reductions measures to be included and to adopt the updated Climate Action Plan, as well as to review and approve the associated environmental compliance document, in mid-2024.

Explanation & Analysis

Purpose of Climate Action Plan

Climate action plans are comprehensive plans that detail the specific activities that a government agency will undertake to reduce greenhouse gas emissions. Climate action plans generally focus on those activities that can achieve emission reductions most cost-effectively. These plans typically include:

- Specific city-sponsored initiatives and actions that the city controls directly, such as operations and energy use at city buildings and the types of cars in the city’s fleet.
- State and city policies to direct, guide or influence outside actions, such as a requirement to recycle food scraps and energy efficiency standards for new building construction.

The City of Carlsbad was one of the first cities in the county to adopt a Climate Action Plan To support California’s ambitious emissions reduction goals. The 2015 plan identified strategies and policies to reduce greenhouse gas emissions in a measurable way.

The plan further implements the city’s Sustainability Guiding Principles and Community Values of Sustainability, as well as the actions identified in the Declaration of a Climate Emergency, approved by the City Council on Sept. 21, 2021, and the five-year Carlsbad Strategic Plan.

Climate Action Plan update timeline

- 2015 – Climate Action Plan adopted by the City Council.
- June 2021 – Funding for a comprehensive update to the Climate Action Plan was approved by the City Council as part of the fiscal year 2021-22 budget.
- Nov. 23, 2021 - The city executed a professional services agreement with the Energy Policy Initiatives Center, or EPIC, with Ascent Environmental as a sub-consultant, for help developing an update to the Climate Action Plan.
- April 19, 2022 - The City Council directed staff to use a customized run of the San Diego Association of Governments’ most recent Activity Based Model tailored specifically for Carlsbad in its update of the Climate Action Plan rather than the standard forecasting model that was available.¹ This enabled the city to align the data and modeling used to forecast growth in Carlsbad for the Climate Action Plan with what is needed other concurrent city efforts, such as the assumptions and site analyses being used for the Housing Element update’s rezoning program, ensuring that these official city plans and standards are consistent.

¹ The Activity Based Model uses community members’ daily travel itineraries to try to forecast where, when and how people will travel outside their home, providing critical information for long-range transportation and planning efforts, such as the Climate Action Plan.

- Delivery of the data was delayed numerous times, as shown in Exhibit 1. To ensure the Housing Element rezoning work met its state deadline, staff used contingency funds within the current contract to have Ascent Environmental complete the necessary transportation modeling work.
- The first draft of that data was provided in May 2023, allowing the project team to move forward with preparing calculations and analyses for the Climate Action Plan update.

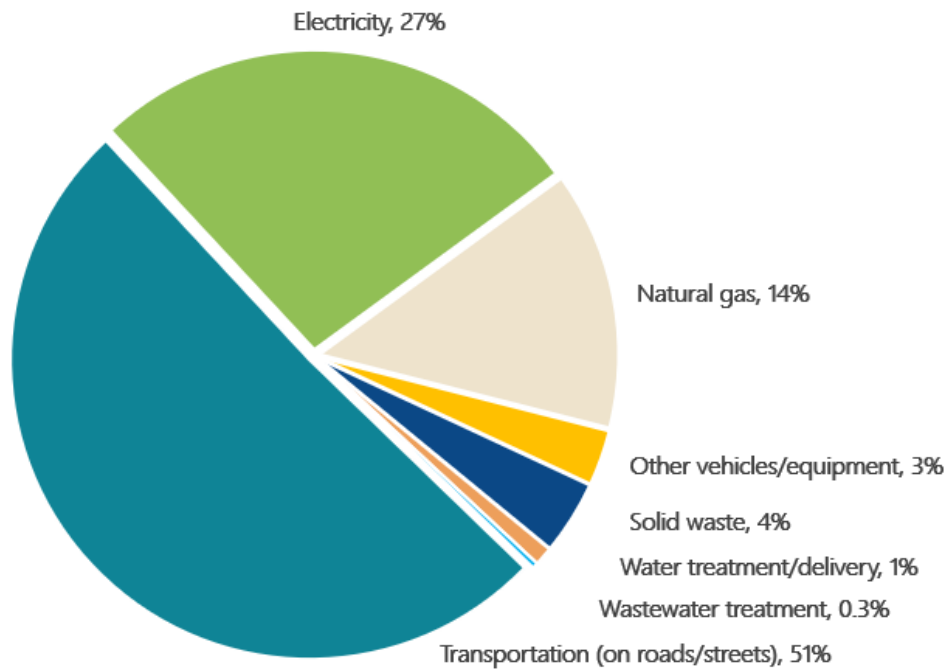
How the plan is updated

Updating the Climate Action Plan requires updating the greenhouse gas inventory and reduction targets, as detailed in Exhibit 2, to reflect the best available data and most recent state legislation.

The starting point for tracking activities in such a plan is the year it began, known as the baseline year. The update of the Climate Action Plan uses 2016 as the baseline year, because it provides the most comprehensive, recent and best available data. Greenhouse gas emissions are measured as metric tons of carbon dioxide equivalent, or MT CO₂e.²

Based on the 2016 data, the top three categories of emissions in Carlsbad are transportation on roads (basically vehicle travel), electricity and natural gas use, as shown in the chart below.

Carlsbad’s 2016 greenhouse gas emissions inventory



The precise emission reduction totals, and other information, can be found in Exhibit 2, Methods for estimating GHG emissions and emissions reductions in the Carlsbad CAP Update – Draft.

² The unit CO₂e represents an amount of a greenhouse gas whose atmospheric impact has been standardized to that of one unit mass of carbon dioxide (CO₂), based on the global warming potential of the gas.

State targets

California’s Legislature has set the following greenhouse gas reduction targets:

- **2030** - Senate Bill 32 (2016) requires the California Air Resources Board to ensure the state’s greenhouse gas emissions are reduced to 40% below 1990 levels by 2030.
- **2045** - Assembly Bill 1279 (2022) requires the Air Resources Board to ensure emissions are reduced to 85% below 1990 levels by 2045.

Projections to determine future emissions

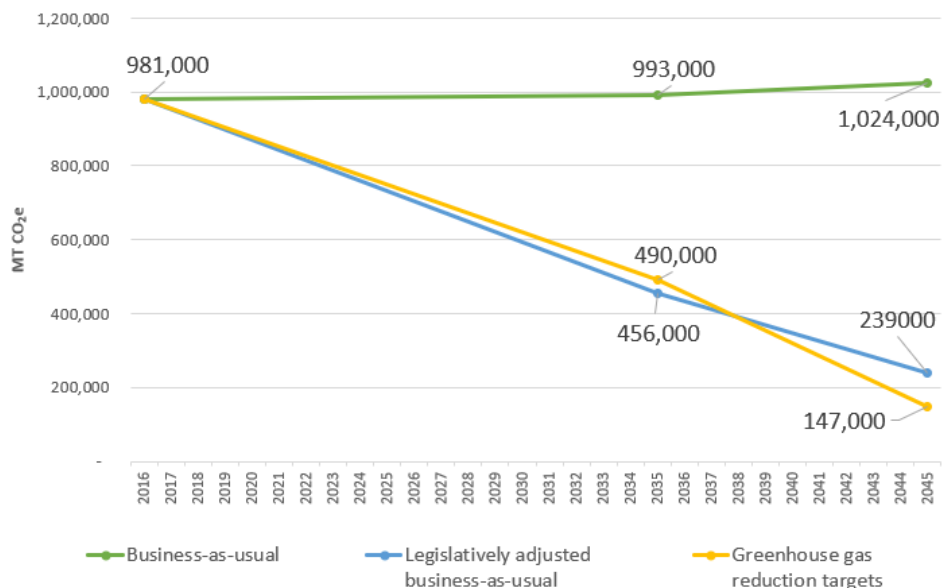
Staff and the consultants projected the amount of greenhouse gases that would be produced in these categories into the future, using the 2016 greenhouse gas emissions inventory and estimates for population, housing and job growth. This is called a “business-as-usual” projection, which shows the anticipated growth in emissions from these sources in the absence of any new policies and programs.

Emission reductions that are expected to result from federal and state policies and programs are applied to the second set of projections, creating a “legislatively adjusted business-as-usual projection.”

With the Air Resources Board’s guidance, greenhouse gas emissions were projected for the target years 2035 and 2045, 2035 being chosen because that is the year that Carlsbad’s General Plan anticipates the city will be fully developed or built-out.

The city will not meet the 2045 goals without adding new city measures. The chart below shows:

- The business-as-usual projection, with greenhouse gas emissions continuing unchanged
- The legislatively adjusted business-as-usual projection, which accounts for the impact of federal and state laws curbing emissions, as well as the potential results of the city’s current Climate Action Plan. (More information on the federal and state programs included in the legislatively adjusted business-as-usual calculations are included in Exhibit 2.)
- The greenhouse gas reduction targets in 2035 and 2045.



State's recommendations

The California Air Resources Board provides the following guidance on how to best set targets within a Climate Action Plan:

- Evaluate and adopt robust, locally appropriate emissions goals based on a local greenhouse gas emissions inventory
- Express emissions goals based on mass greenhouse gas emissions reductions
- Show a downward-trending greenhouse gas emissions trajectory consistent with the statewide goals

Potential measures proposed

To meet the greenhouse gas emissions reduction targets, the project team analyzed and developed potential measures to be included in the updated Climate Action Plan using the following guidelines:

- Leverage existing city efforts to defray additional costs and staff time as much as possible
- Include successful and applicable measures from the previous Climate Action Plan, as well as greenhouse gas emissions reduction strategies included in state guidance documents
- Incorporate input from city staff across all departments so the measures can be implemented
- Use public input so the measures reflect community priorities
- Create reportable measures so the Climate Action Plan update process is transparent

The project team ultimately identified 22 potential measures, including 34 primary actions and 66 supporting actions, that are proposed for the Climate Action Plan update.

The measures are:

- Wastewater system improvements
- Water system improvements
- Renewable energy at municipal facilities
- Community choice energy
- Nonresidential building energy efficiency and renewable energy
- Residential building energy efficiency and renewable energy
- Building energy benchmarking
- Decarbonize existing buildings
- Solid waste and organic waste diversion
- Traffic calming and optimization
- Transportation demand management ordinance
- Safe Routes to School
- Bikeway system improvements
- Pedestrian system improvements
- Local transportation improvements
- Municipal transportation demand management program
- Increase public zero emission infrastructure
- Zero emission city fleet
- Parking management strategies

- Convert gas-powered leaf blowers
- Increase renewable or alternative fuel construction equipment
- Community forest management

The specific actions detailed in Exhibit 3, include the following information for each measure:

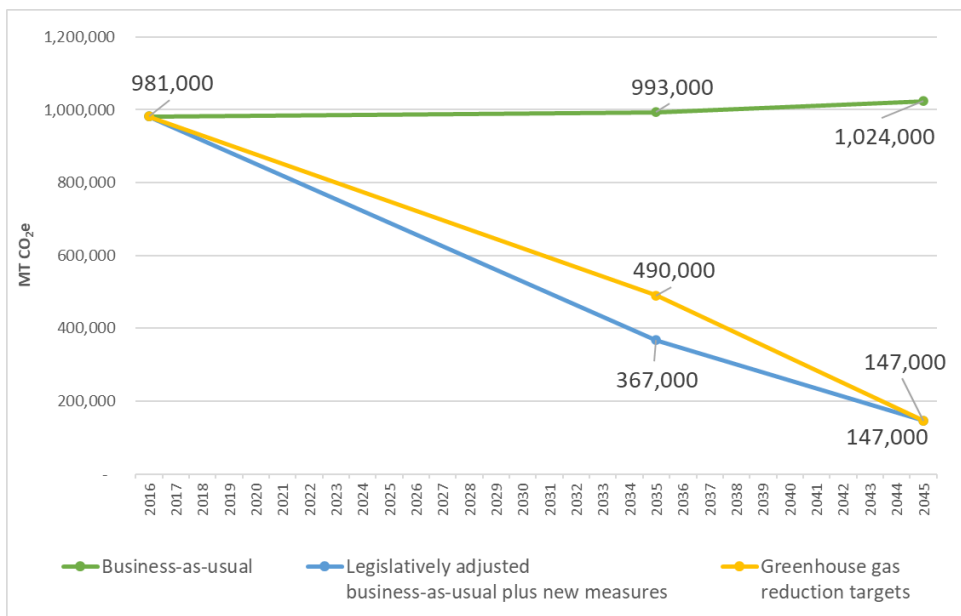
- Title - Short description of the measure (listed above)
- Number - An abbreviated, numerical reference for the measure
- Strategy - The greenhouse gas emissions source of the measure
- Primary action(s) - How the measure will reduce greenhouse gas emissions
- Supporting action(s) - Activities that supports reducing emissions but do not have sufficient data to report as a primary action
- Emissions reduced (2035 and 2045) - How much greenhouse gas emissions the measure will reduce by target year
- Performance metric(s) - What the measure needs to complete
- Monitoring data - How the measure will be tracked and reported
- Responsible department(s) - Which city department will implement the measure
- Co-benefits - Positive external impacts of the measure beyond reducing greenhouse gas emissions
- Timeframe - How long the measure will take to implement
- Equity considerations - How the measure could be implemented equitably

When combined with the federal and state measures within the legislatively adjusted business-as-usual projection, the potential measures proposed for the update of the Climate Action Plan are projected to enable the city to precisely meet its 2045 reduction target.

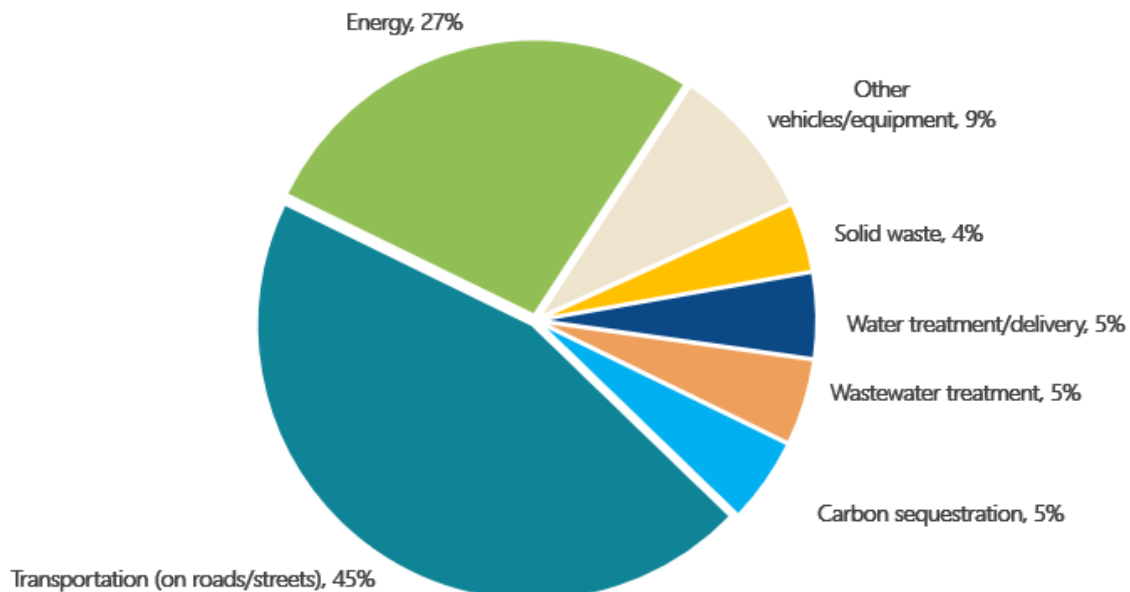
It is important to note that if one measure is relaxed, others would need to be made more stringent to meet the target, and if a measure is removed, other measures would then need to be revised or added.

The chart below shows how the new measures will result in Carlsbad’s emissions reductions meeting the 2045 target.

The chart below shows the percentage of the proposed measures by strategy.



And the chart below shows the percentage of 2045 greenhouse gas emissions reductions each strategy is projected to achieve.



Note: Totals may not equal 100% due to rounding.

Possible climate equity study grant

The harmful impacts of climate change are disproportionately experienced by vulnerable populations, historically underserved communities and people of color, as the Governor’s Office of Planning and Research has reported. Assessments of climate equity need to be added to the Climate Action Plan, to ensure the benefits and opportunities of the proposed measures are distributed equitably throughout Carlsbad. While the list of the proposed measures provided in Exhibit 3 includes equity considerations, these need to be considered further before the update is adopted.

A climate equity analysis, prepared in partnership with community-based organizations, containing localized environmental, socioeconomic and public health indicators would help city staff implement the Climate Action Plan equitably and ensure that related policies and programs target the populations that would be disproportionately impacted.

In August 2023, the San Diego Regional Climate Collaborative, a network for public agencies to advance climate change solutions, applied for a grant from the California Governor’s Office of Planning and Research’s Regional Resilience Grant Program to pay for a climate equity index for Carlsbad and other North County cities. The city submitted a letter of support for this proposal. If the grant is awarded, this work would be done for the city at no cost and would fill a critical gap by providing climate equity data, specific for Carlsbad and funding for robust stakeholder outreach and involvement and would be used as a companion document when implementing the updated Climate Action Plan.

Community Engagement

The city asked the public to help shape the Climate Action Plan Update in early 2022 by providing input on environmental sustainability needs and priorities. This public input was used to develop the list of potential measures to reduce greenhouse gas emissions in the Climate Action Plan Update. The public input received is summarized in Exhibit 4.

Three themes emerged from that public input:

1. Take bold actions to minimize contributions to climate change
2. Consider a range of actions to help reduce greenhouse gas emissions, prioritizing reductions from transportation and energy
3. Promote equity and public awareness to improve quality of life for everyone and encourage people to drive climate action individually

Starting in October, staff began holding meetings with stakeholders to discuss the proposed measures and get feedback, as well as sharing a lay-person's summary of the measures through an online survey where community members can weigh in. To help raise awareness of the Climate Action Plan update, city staff are also visiting local events, community centers, and parks to discuss the proposed measures and invite feedback. The opportunity to give input on the potential measures is being promoted through the city's communication channels, including e-newsletters, social media, a news release and direct emails to interested stakeholders, including those who previously provided feedback.

These efforts are expected to conclude at the end of November. All feedback received will be compiled into a public input summary report and included as an appendix in the updated Climate Action Plan.

Fiscal Analysis

Once the potential Climate Action Plan measures have been refined to incorporate any input from the public and the City Council, the project team will conduct an analysis of the cost of implementing each measure. This implementation cost analysis will provide information on the budgetary impact of implementing the updated Climate Action Plan, such as staffing needs and other potential costs.

The analysis will consider existing versus new or expanded programs, funded versus unfunded costs, costs by department, costs by Climate Action Plan measure, and costs over time. The implementation cost analysis will be included as an appendix to the Climate Action Plan update and presented to the City Council when the update is considered for adoption.

It is anticipated that the Climate Action Plan update will include a number of the measure that must be implemented over the coming years related to program development, creation of ordinances, and additional implementation and monitoring. Many of these programs will be implemented through use of various departmental budgets (i.e., staff resources), while others will require other funding sources (e.g., grants, bonds, etc.) or will require new staffing or staffing reassignments. Because of the nature of a long-range planning program such as the Climate Action Plan update, actual resource needs have not been specifically identified at this time. However, staff will ensure that all available external funding sources are pursued to the extent feasible.

Next Steps

The next steps for the Climate Action Plan update are to:

- Continue the second phase of public engagement to get feedback on the potential Climate Action Plan measures, concluding in November 2023
- Refine potential Climate Action Plan measures, as appropriate
- Develop the draft Climate Action Plan update, the implementation cost analysis, and a draft CEQA document
- Share the formal draft Climate Action Plan Update, related appendices and CEQA document with the community
- Present the final Climate Action Plan update to the Planning Commission, and then to the City Council

The final Climate Action Plan update is estimated to be presented to the City Council in mid-2024.

Environmental Evaluation

The action to receive a report and provide input does not require environmental review because it does not constitute a project within the meaning of the California Environmental Quality Act under Public Resources Code Section 21065, because it has no potential to cause either a direct physical change in the environment.

The direction provided by the City Council on this item is not binding, and any possible future actions, if any, would be subject to City Council approval along with a separate environmental determination.

Exhibits

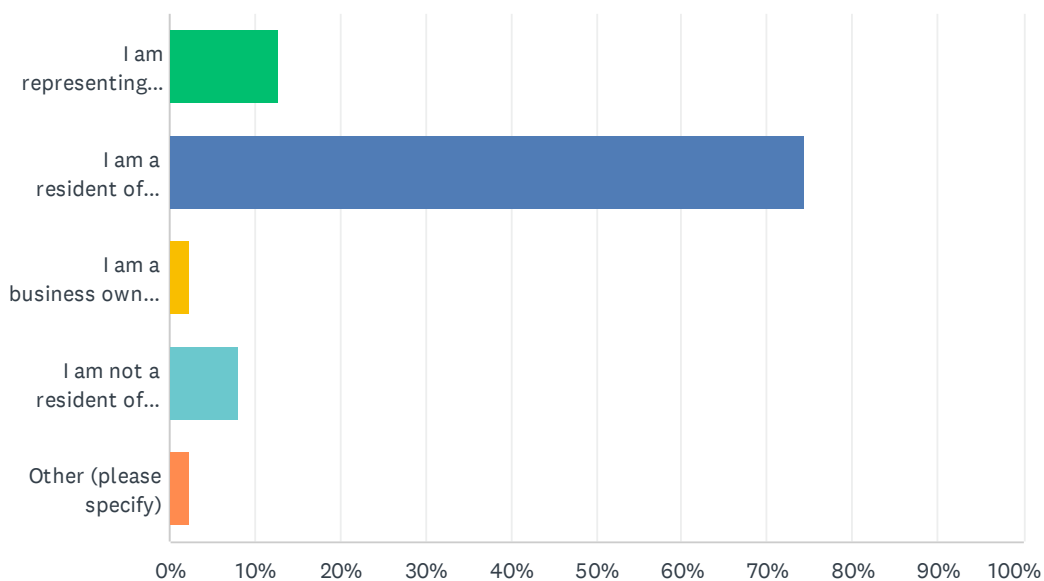
1. City Council memorandum - Status of the Climate Action Plan Update - June 8, 2023
2. Methods for Estimating Greenhouse Gas Emissions and Emissions Reductions in the Carlsbad Climate Action Plan Update – Draft
3. Potential measures proposed for Climate Action Plan update
4. Summary of Phase I public engagement for Climate Action Plan Update

Appendix K – Online Survey Results (Phase II)

The online survey questions and a summary of responses are included in subsequent pages.

Q1 Please tell us about yourself:

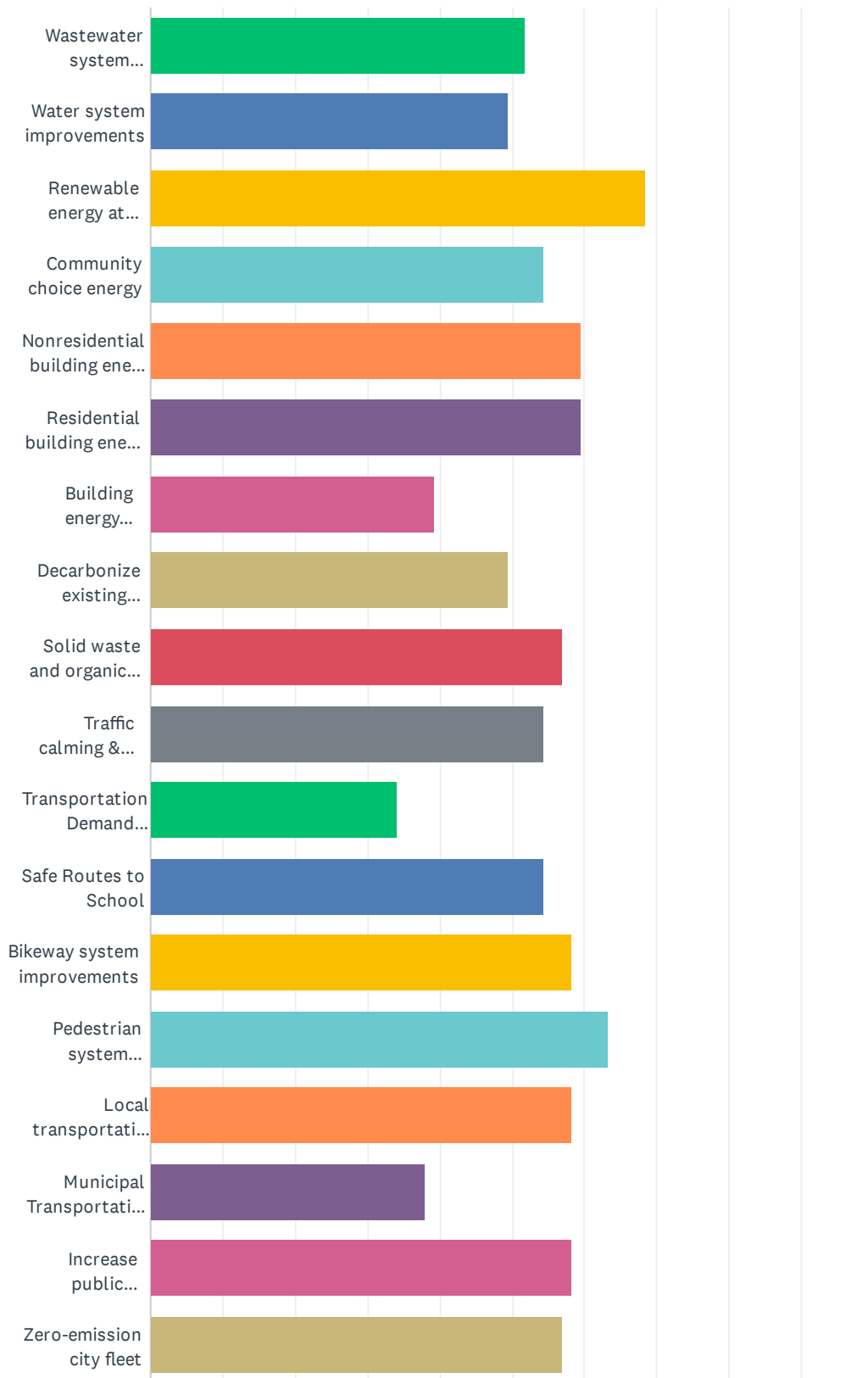
Answered: 86 Skipped: 0



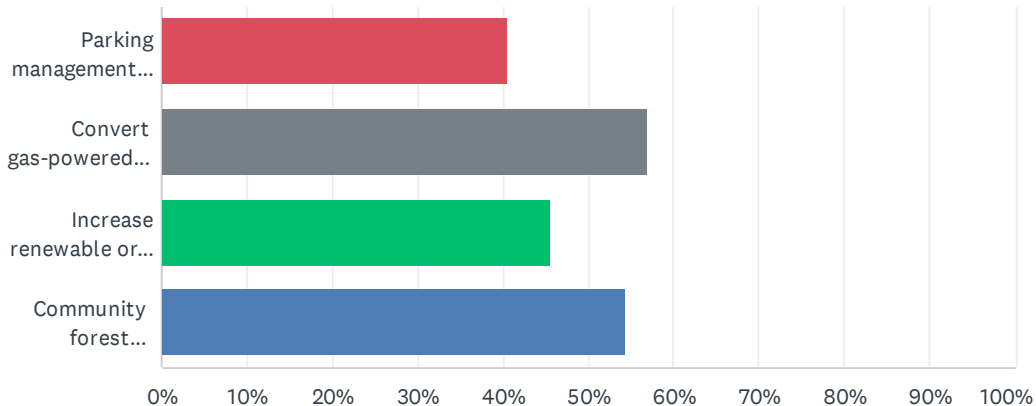
ANSWER CHOICES	RESPONSES	
I am representing an organization	12.79%	11
I am a resident of Carlsbad	74.42%	64
I am a business owner in Carlsbad	2.33%	2
I am not a resident of Carlsbad, but I'm interested in climate issues	8.14%	7
Other (please specify)	2.33%	2
TOTAL		86

Q2 Which proposed actions do you support, and why? Select all that apply:

Answered: 79 Skipped: 7



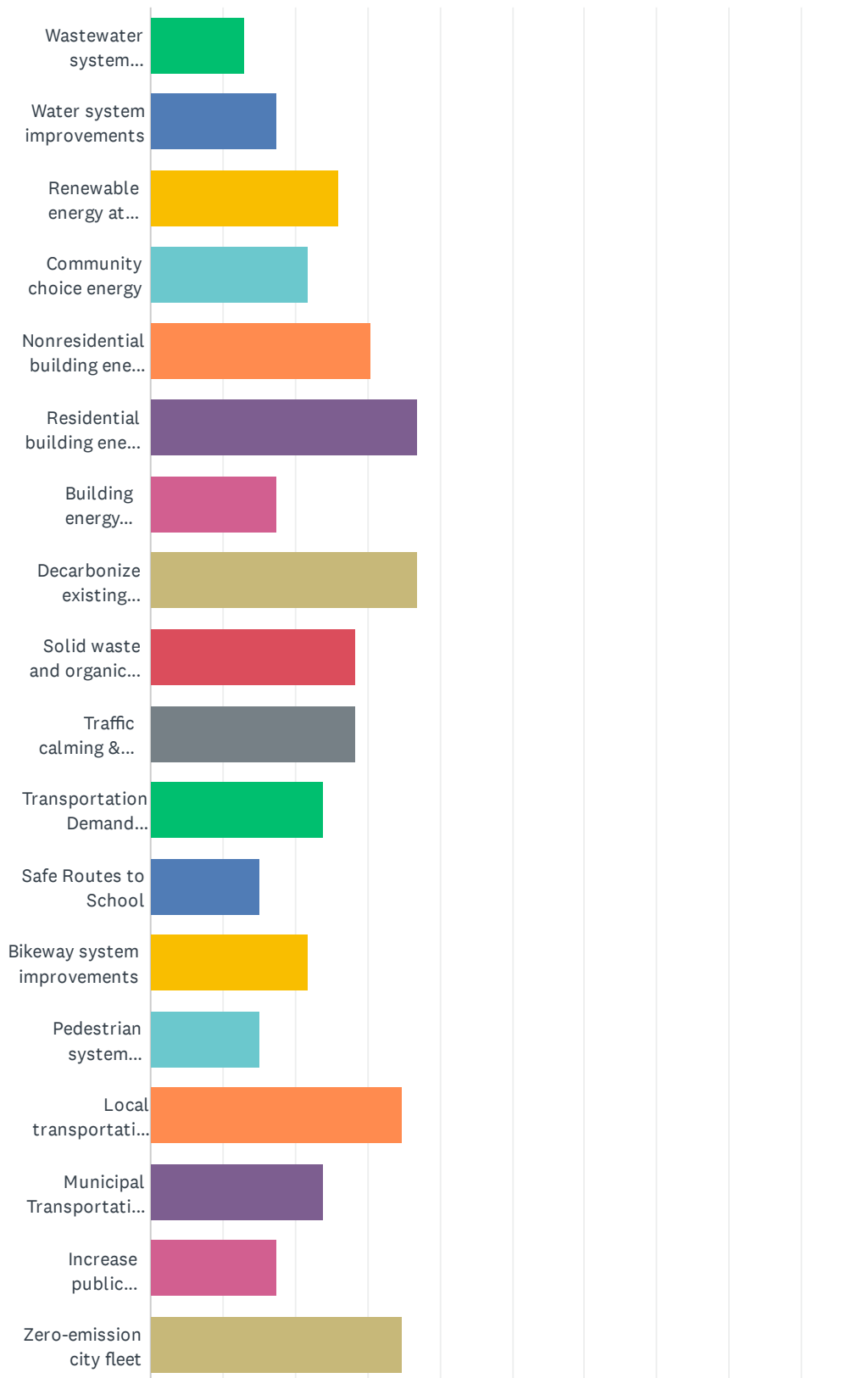
Climate Action Plan Update



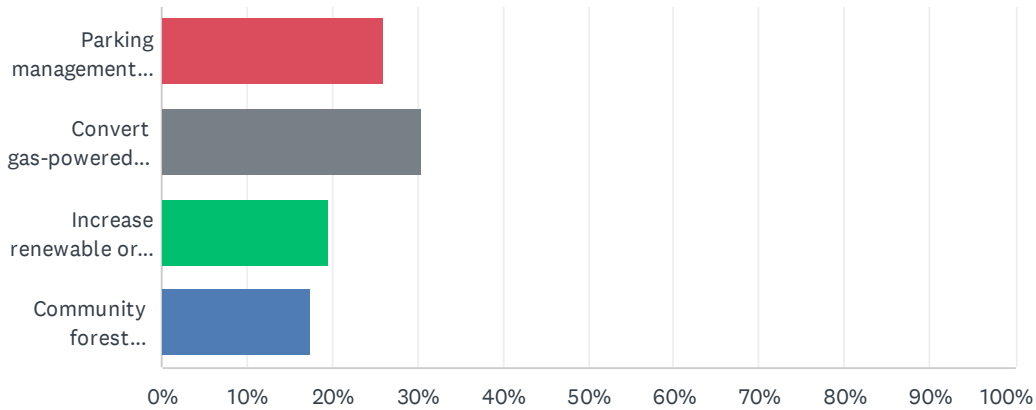
ANSWER CHOICES	RESPONSES	
Wastewater system improvements	51.90%	41
Water system improvements	49.37%	39
Renewable energy at municipal facilities	68.35%	54
Community choice energy	54.43%	43
Nonresidential building energy efficiency and renewable energy	59.49%	47
Residential building energy efficiency and renewable energy	59.49%	47
Building energy benchmarking	39.24%	31
Decarbonize existing buildings	49.37%	39
Solid waste and organic waste diversion	56.96%	45
Traffic calming & operation	54.43%	43
Transportation Demand Management ordinance	34.18%	27
Safe Routes to School	54.43%	43
Bikeway system improvements	58.23%	46
Pedestrian system improvements	63.29%	50
Local transportation improvements	58.23%	46
Municipal Transportation Demand Management program	37.97%	30
Increase public zero-emission infrastructure	58.23%	46
Zero-emission city fleet	56.96%	45
Parking management strategies	40.51%	32
Convert gas-powered leaf blowers	56.96%	45
Increase renewable or alternative fuel construction equipment	45.57%	36
Community forest management	54.43%	43
Total Respondents: 79		

Q3 Do you have concerns about any of the proposed actions. If so, what are those concerns? Select all that apply:

Answered: 46 Skipped: 40



Climate Action Plan Update



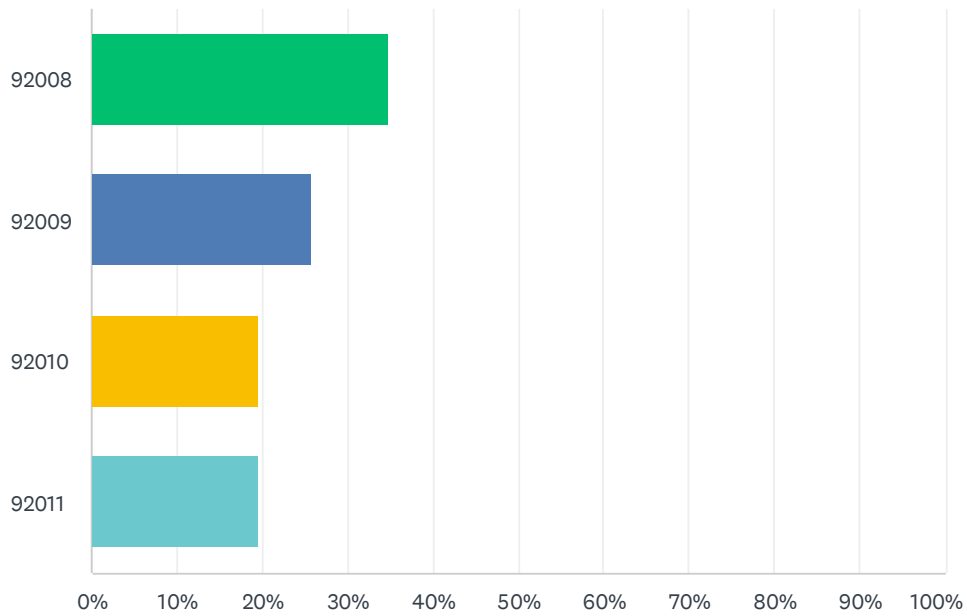
ANSWER CHOICES	RESPONSES	
Wastewater system improvements	13.04%	6
Water system improvements	17.39%	8
Renewable energy at municipal facilities	26.09%	12
Community choice energy	21.74%	10
Nonresidential building energy efficiency and renewable energy	30.43%	14
Residential building energy efficiency and renewable energy	36.96%	17
Building energy benchmarking	17.39%	8
Decarbonize existing buildings	36.96%	17
Solid waste and organic waste diversion	28.26%	13
Traffic calming & operation	28.26%	13
Transportation Demand Management ordinance	23.91%	11
Safe Routes to School	15.22%	7
Bikeway system improvements	21.74%	10
Pedestrian system improvements	15.22%	7
Local transportation improvements	34.78%	16
Municipal Transportation Demand Management program	23.91%	11
Increase public zero-emission infrastructure	17.39%	8
Zero-emission city fleet	34.78%	16
Parking management strategies	26.09%	12
Convert gas-powered leaf blowers	30.43%	14
Increase renewable or alternative fuel construction equipment	19.57%	9
Community forest management	17.39%	8
Total Respondents: 46		

Q4 What organization are you representing? (if applicable)

Answered: 9 Skipped: 77

Q5 Which ZIP Code do you live in if you are a Carlsbad resident?

Answered: 66 Skipped: 20



ANSWER CHOICES	RESPONSES
92008	34.85% 23
92009	25.76% 17
92010	19.70% 13
92011	19.70% 13
TOTAL	66

Q6 What business do you own? (if applicable)

Answered: 12 Skipped: 74

Q7 Would you like to receive updates on the City of Carlsbad's Climate Action Plan? If so, please provide your email address:

Answered: 40 Skipped: 46

Appendix L – Community Events and “Pop-Up” Tabling Attended by City Staff (Phase II)

The table below documents the community events and “pop-up” tabling that were attended by city staff and the capacity in which city staff participated as part of the Climate Action Plan Update.

Table A-4. Community Events and “Pop-Up” Tabling Attended by City Staff Climate Action Plan Update

Date	Time	Location	District	Type of Event	Host / Partner
October 18, 2023	2:30-4:30 pm	Village	1	Farmers market	"Host - Carlsbad Village Association Partner - tabled with Library and Cultural Arts"
October 21, 2023	10 am - 12 pm	Dove Library	3	Fix-it clinic	City-sponsored event
October 22, 2023	9:15 am - 12 pm	Stagecoach Park & Community Center	4	Tabling	N/A
October 24, 2023	9:45 - 11:45 am	Dove Library	3	Tabling	N/A
October 24, 2023	3:15 - 5:15 pm	Alga Norte Aquatic Center	2	Tabling	N/A
October 28, 2023	2-6 pm	Village	1	Halloween in the Village	"Host - Carlsbad Village Association Partner - tabled with Library and Cultural Arts"
October 31, 2023	3:45-5:45 pm	Pine Community Center	1	Tabling	N/A
November 1, 2023	10:15 am - 12 pm	Poinsettia Park	3	Tabling	N/A
November 2, 2023	1:30-3 pm	Senior Center	1	Tabling	N/A
November 3, 2023	10:15 am - 12 pm	La Costa Canyon Park	4	Tabling	N/A
November 4, 2023	9 am - 1	Farmers	2	Compost and	Republic Services

Summary of Public Engagement for Climate Action Plan Update

	pm	Building		mulch giveaway	
November 5, 2023	8 am - 4 pm	Village	1	Carlsbad Village Street Faire	Carlsbad Chamber of Commerce
November 15, 2023	4-5 pm	Village	1	Farmers market	"Host - Carlsbad Village Association Partner - tabled with Library and Cultural Arts"
November 17, 2023	10-11:30 am	Library Learning Center	1	Tabling	N/A

Appendix M – Media and Marketing Content (Phase II)

The following includes social media posts, newsletters and newspaper articles that promoted awareness of the Climate Action Plan Update.

City of Carlsbad – Facebook:


<https://www.facebook.com/cityofcarlsbad/posts/pfbid032SCkQJZz6w3RifAWvKLBH79o1QPbLURVaTxiRuTCsWXmN74CPv6JtkPpS5MLKXBtl> – Oct. 18, 2023




Summary of Public Engagement for Climate Action Plan Update

City of Carlsbad – X (Twitter): <https://twitter.com/carlsbadcagov/status/1714793857357910256>– Oct. 18, 2023

← **Post**

 **City of Carlsbad**
@carlsbadcagov

We're updating the city's Climate Action Plan 🌍💚 and have come up with a list of proposed actions for how we can help reduce greenhouse gas emissions generated in our city. Take a look and provide input through 11/17. loom.ly/ER7IHtY



5:01 PM · Oct 18, 2023 · 711 Views

2 Reposts 3 Likes

🗨️ ↻️ ❤️ 📌 ↗️

Summary of Public Engagement for Climate Action Plan Update

City of Carlsbad – Instagram: <https://www.instagram.com/p/CyJz2YaAl5k/>– Oct. 18, 2023

Instagram

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Carlsbad, California

carlsbadcagov We're updating the city's Climate Action Plan and have come up with a list of proposed actions for how we can help reduce greenhouse gas emissions generated in our city. Click the link in the bio and provide input through 11/17.
#Carlsbad #GetInvolved #SustainableCarlsbad
21w

usaf_01 The first action should be to recognize that EVs cause more damage to the environment than combustion engines
21w 10 likes Reply

hollywoodangelbowl
21w Reply

90 likes
October 18, 2023

Log in to like or comment.

Summary of Public Engagement for Climate Action Plan Update

City of Carlsbad – Facebook:

<https://www.facebook.com/cityofcarlsbad/posts/pfbid027Eaee8HfwrhDLWaRnjS6WM4nSf2T3eFrJzRVjNqhmBLdsmhg8D6tz2VcfnfqV92MI>– Oct. 19, 2023

City of Carlsbad ✓
October 19, 2023 · 🌐

A big weekend for high school football here in Carlsbad, and if you're headed to the game, please remember to drive safely and be on the lookout for bicyclists and people crossing the street.

Other news this week includes:

- How we can keep reducing greenhouse gas emissions
- Carlsbad Behind the Scenes: Catching up with code enforcement officials
- New medical cannabis delivery law
- 5 ways to mark Arts and Humanities Month in Carlsbad
- San Diego Startup Week returns to Carlsbad
- Imagine a day without water
- Celebrating Red Ribbon Week in Carlsbad
- What's on the docket for your next City Council meeting

👉 <https://conta.cc/3FJ01CZ>

👍❤️ 11 2 comments

👍 Like 💬 Comment

Summary of Public Engagement for Climate Action Plan Update

City of Carlsbad – X (Twitter): <https://x.com/carlsbadcagov/status/1715194896624009491?s=20>–
Oct. 19, 2023

← **Post**

 **City of Carlsbad**
@carlsbadcagov

This week we're covering updates to medical cannabis delivery law, reducing greenhouse gas emissions, 5 ways to mark [#NationalArtsandHumanities Month](#), [#SDStartupWeek](#) kicks off in [#Carlsbad](#) and more 📍 conta.cc/3FJ01CZ
[#LocalGov](#) [#CarlsbadNews](#)



7:35 PM · Oct 19, 2023 · **934** Views

1 Repost **4** Likes

🗨️ ↺️ ❤️ 📌 ⬆️

Summary of Public Engagement for Climate Action Plan Update

City of Carlsbad – Instagram:

https://www.instagram.com/p/CymqLtygmjj/?utm_source=ig_web_copy_link– Oct. 19, 2023

Instagram

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Sign Up



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Carlsbad, California



A big weekend for high school football here in Carlsbad, and if you're headed to the game, please remember to drive safely and be on the lookout for bicyclists and people crossing the street. Other news this week includes:

- How we can keep reducing greenhouse gas emissions
- Carlsbad Behind the Scenes: Catching up with code enforcement officials
- New medical cannabis delivery law
- 5 ways to mark Arts and Humanities Month in Carlsbad
- San Diego Startup Week returns to Carlsbad
- Imagine a day without water
- Celebrating Red Ribbon Week in Carlsbad
- What's on the docket for your next



72 likes


October 19, 2023

Log in to like or comment.

Summary of Public Engagement for Climate Action Plan Update

City of Carlsbad – Facebook:

<https://www.facebook.com/cityofcarlsbad/posts/pfbid02v7hDi9gLVeMEL438SWX9xYdYfqWwvcgYMWVnPMeXFVDKNYHRZQ8Q8nizA9CnrMRZI>– Nov. 3, 2023




City of Carlsbad ✓
November 3, 2023 · 🌐

The next City Council meeting will take place Tuesday, Nov. 7, starting at 5 p.m. Topics to be discussed include:

- ◆ Assigning city staff to negotiate for the possible purchase of a 16-unit apartment building at 945 Chestnut Ave. that is slated for affordable housing
- ◆ Extending the term of a \$1.5 million loan awarded to a developer building 42 apartments affordable to families with lower incomes so that sewer-related issues can be resolved before construction begins
- ◆ Accepting a \$20,000 federal grant that the Police Department will use for active shooter response training and equipment for police investigators
- ◆ An ordinance to install stop signs in all directions at the intersection of Madison Street and Oak Avenue in the Village
- ◆ Potential ways to reduce greenhouse gas emissions to meet state targets, as part of an update of the city's Climate Action Plan
- ◆ A proposed policy related to City Council travel

If you would like to provide input, you can email council@carlsbadca.gov before the meeting or come in person and fill out a request to speak. All the details in the link https://loom.ly/-yu_HdU



👍❤️ 5 1 comment

Summary of Public Engagement for Climate Action Plan Update


City of Carlsbad – X (Twitter): <https://x.com/carlsbadcagov/status/1720569338166427830?s=20> – Nov. 3, 2023



Summary of Public Engagement for Climate Action Plan Update

City of Carlsbad – Facebook:

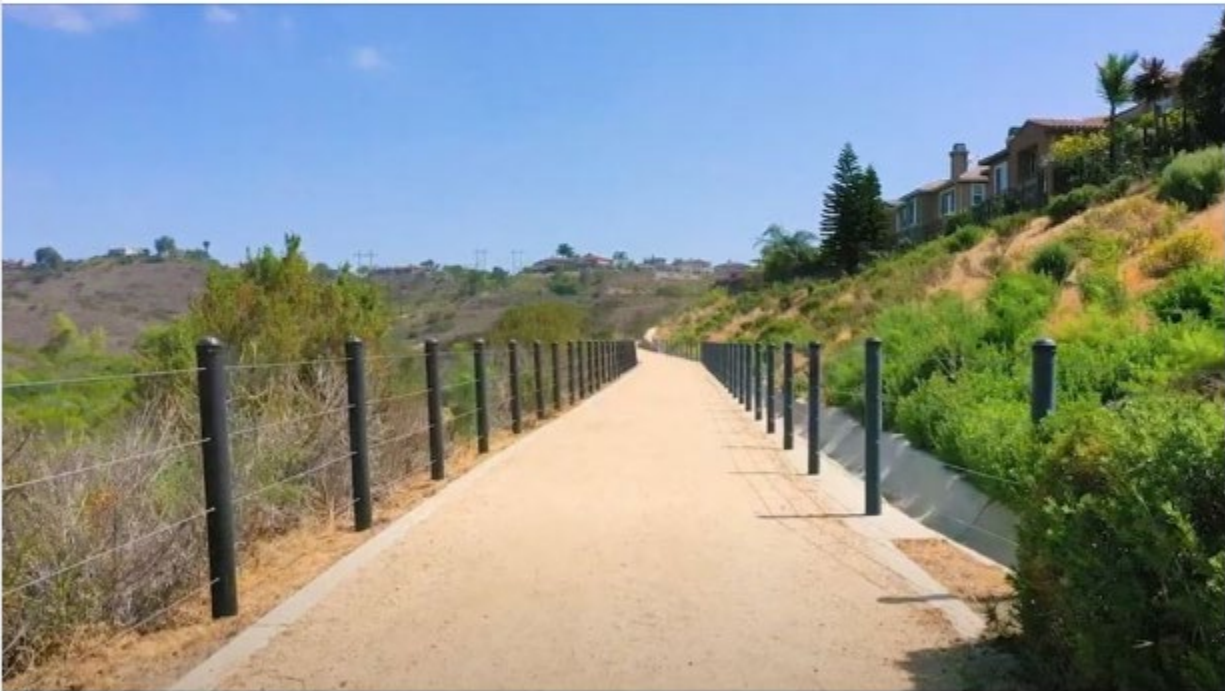
<https://www.facebook.com/cityofcarlsbad/posts/pfbid02fi8LSJZzhXHCLKaZNgx1i9oaYHGfZ4rshTkWgK17ETDaQr5fgK7BLff7YPRVz3AoI> – Nov. 9, 2023


 **City of Carlsbad** ✓
November 9, 2023 · 🌐



We may have a short week due to the Veterans Day holiday, but there is no shortage of news to share, including the latest on two of the City Council's top priorities, plus other important updates:

- Making Carlsbad a more environmentally sustainable city
- New state grant gives a boost to our traffic safety efforts
- City construction projects near you
- Tracing your family's roots with new genealogy tool
- Celebrating Native American Heritage Month
- Meet artist Kelsey Overstreet at Pop-up Art event
- Veterans Day city service schedule
- What's on the agenda for your next City Council meeting
- A very special tribute to the veterans of #TeamCarlsbad

👉 <https://conta.cc/3st7LWw>



 9

 Like  Comment


Summary of Public Engagement for Climate Action Plan Update

City of Carlsbad – X (Twitter): <https://x.com/carlsbadcagov/status/1722801516455563310?s=20> – Nov. 9, 2023

← **Post**

 **City of Carlsbad**
@carlsbadcagov

Heading into **#VeteransDay** holiday with lots of news to share, including environmental sustainability priorities, new grant for traffic safety, planned construction next week, new genealogy resource and more happening in **#Carlsbad** 📍 conta.cc/3st7LWw



6:21 PM · Nov 9, 2023 · **987** Views

7 Likes

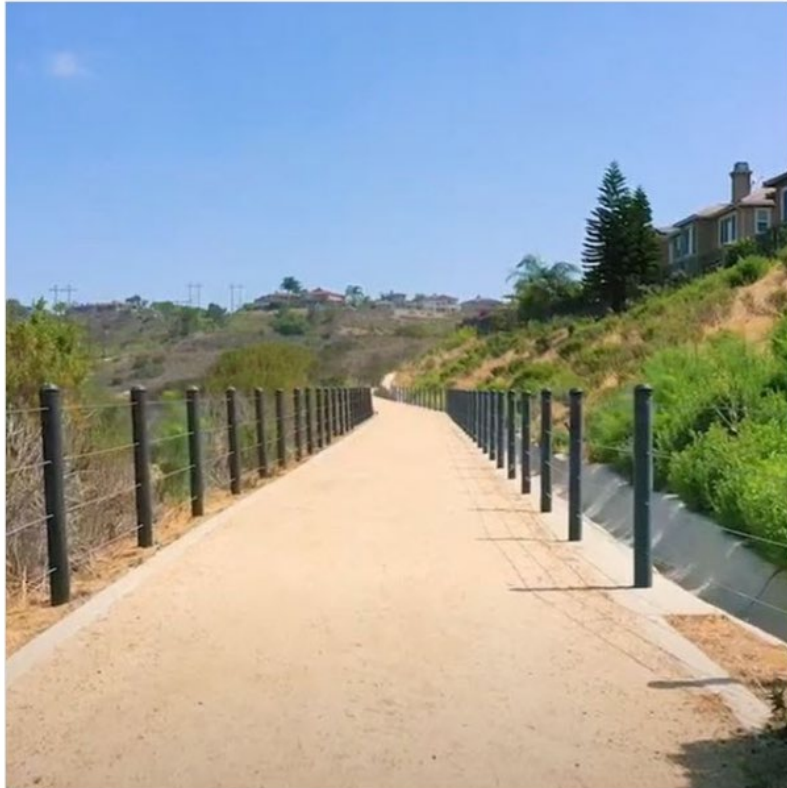
🗨️ ↻️ ❤️ 📌 ↗️


Summary of Public Engagement for Climate Action Plan Update


City of Carlsbad – Instagram: https://www.instagram.com/p/CzctRyOA-1/?utm_source=ig_web_copy_link – Nov. 9, 2023

Instagram

Log In Sign Up



 **carlsbadcagov** • Follow
Carlsbad, California

 **carlsbadcagov** We may have a short week due to the Veterans Day holiday, but there is no shortage of news to share, including the latest on two of the City Council's top priorities, plus other important updates:

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- City construction projects near you
- Tracing your family's roots with new genealogy tool
- Celebrating Native American Heritage Month
- Meet artist Kelsey Overstreet at Pop-up Art event
- Veterans Day city service schedule
- What's on the agenda for your next City Council meeting
- A very special tribute to the veterans

93 likes
November 9, 2023

Log in to like or comment.

City of Carlsbad: [Proposed actions to reduce greenhouse gas emissions ready for review](#) – Oct. 18, 2023



Proposed actions to reduce greenhouse gas emissions ready for review

The city is updating its [Climate Action Plan](#) to advance the community's goal of promoting a sustainable environment and align with updated statewide targets to reduce greenhouse gas emissions. State targets have been updated since the city first adopted the Climate Action Plan in 2015, and the city has more current information about the amount of greenhouse gas emissions generated by different sources in Carlsbad.

City staff developed a list of proposed actions to reduce greenhouse gas emissions for the updated Climate Action Plan. You can learn more about the [proposed actions](#) and [provide your input](#) until Nov. 17.

Background

To support California's ambitious emissions reduction goals, the City of Carlsbad was one of the first cities in the county to adopt a Climate Action Plan in 2015 that outlined strategies and policies to reduce greenhouse gas emissions in a measurable way.

Climate action plans are comprehensive roadmaps that outline the specific activities that a government agency will undertake to reduce greenhouse gas emissions. Climate action plans generally focus on those activities that can achieve the relatively greatest emission reductions most cost-effectively.

These plans typically include:

- Specific city-sponsored initiatives and actions that the city controls directly, such as operations at city buildings and the types of cars in the city's fleet.
- Policies to direct, guide or influence actions of third parties, such as a requirement to recycle food scraps and energy efficiency standards for new building construction.

In early 2022, the city asked the public to shape the Climate Action Plan Update by providing input on environmental sustainability needs and priorities. This public input was used to help develop a list of proposed actions to reduce greenhouse gas emissions. A summary of the [proposed actions](#) is available on the city's website.

[Provide your input](#) by Nov. 17. Join the [mailing list](#) to be notified of project updates.

City of Carlsbad: [City Manager's Update](#) – Oct. 19, 2023



How can we keep reducing greenhouse gas emissions

Our beautiful natural environment is one of the things our residents love most about Carlsbad. That's why it's no surprise that protecting the environment is one of the main goals of the [City Council's 5-Year Strategic Plan](#).

This week, city staff released a [list of actions](#) being considered to further reduce greenhouse gas emissions, part of a comprehensive update to the city's [Climate Action Plan](#). Carlsbad is proud to be one of the first cities in the region to develop a Climate Action Plan with [measurable goals](#), back in 2015.



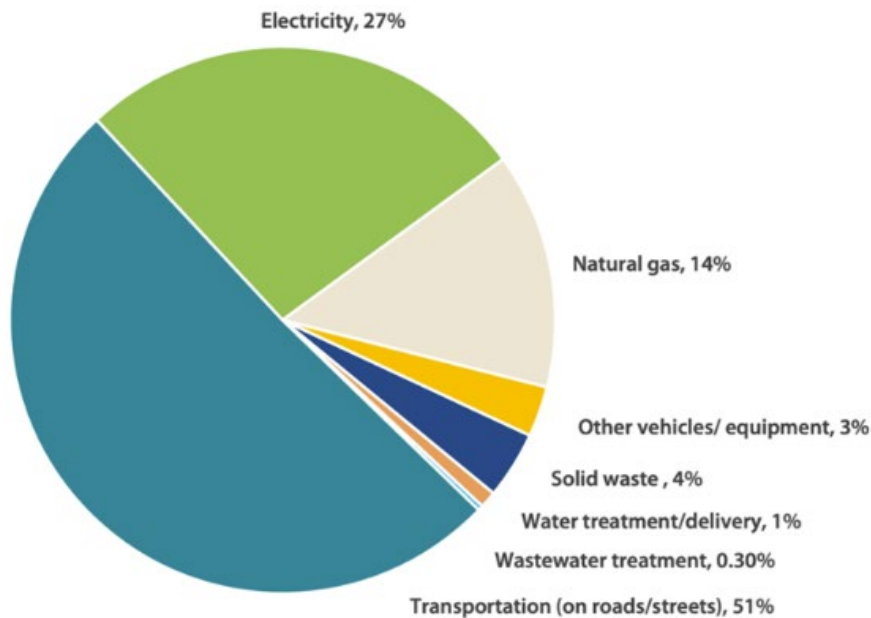
City of Carlsbad: [City Manager's Update](#) – Nov. 9, 2023



Making Carlsbad a more environmentally sustainable city

We've been talking a lot about the importance of reducing speeding, which is the number one cause of injury collisions in Carlsbad. Aside from improving traffic safety, reducing speeding also lowers greenhouse gas emissions from cars, which are by far the largest source of GHGs in Carlsbad.

Sources of GHGs in Carlsbad



Energy Policy Initiatives Center, University of San Diego, 2023

San Diego Union-Tribune: [Update underway for Carlsbad's climate action plan](#) – Nov. 9, 2023

CARLSBAD

Update underway for Carlsbad's climate action plan



Carlsbad is updating its climate action plan to reduce greenhouse gas emissions. (Luis Sinco/Los Angeles Times)

BY PHIL DIEHL
NOV. 9, 2023 3:33 PM PT



CARLSBAD — Zero-emission city vehicles, improved bicycle and pedestrian routes, and better transportation management systems are among measures proposed for Carlsbad's updated climate action plan.

Carlsbad's goal is to reduce its greenhouse gas emissions from 2016 levels by 50 percent in 2035 and 85 percent in 2045, said Senior Program Manager Katie Hentrich in a presentation Tuesday to the City Council.

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Top Doctor: If You Eat Banana Every Day, This Is What Happens
Sponsored by GundryMD

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- 1** Chula Vista bars official facing criminal charges from serving on any committees. She's seeking re-election.
Dec. 6, 2023
- 2** Two eight-story apartment buildings proposed for last two vacant blocks near Oceanside pier
June 4, 2023
- 3** Chula Vista and Republic Services reach agreement over costs associated with trash strike
July 3, 2022

Appendix N – Additional Comments (Phase II)

Includes all additional comments that were received.

From: mike_bullock@earthlink.net
To: [Katie Hentrich](mailto:Katie.Hentrich@carlsbadca.gov); [Council Internet Email](mailto:Council.Internet.Email@council.oceansideca.org); council@oceansideca.org
Cc: "Michele Cyr"; "Tom Lichterman"; "Hope Nelson"; "Bill Fowler"; "Pete Penseyres"; "Esmeralda Gonzalez Jimenez"; "Chih-Wu Chang"; "David Hall"; "Diana Aguirre"; "Jan Neff-Sinclair"; "Jane Marshall"; "Joan Bullock"; "Luke Tesluk"; "Mary Meyers"; "Shirley Anderson"; "Vince Loughney"; "Russ Cunningham"; "Steve Birdlebough"; becollins92@gmail.com; [Sierra Conscom Ron Askeland](mailto:Sierra.Conscom.Ron.Askeland)
Subject: Additional Information on Carlsbad's Responsibility in Updating Their Climate Action Plan
Date: Sunday, November 12, 2023 6:30:30 PM
Attachments: [image002.png](#)
[image008.png](#)
[image009.png](#)
[image011.png](#)

Katie Hentrich, Senior Program Manager
katie.hentrich@carlsbadca.gov, 442-339-2623

Senior Program Manager Hentrich,

Initial Statement

The people that are getting a copy of this email may not agree with my comments. I am copying them only because I think they might be interested in climate change and what is happening in Carlsbad. I have not gotten their permission to send them a copy of this email.

I have reviewed the video of the meeting. I have downloaded the staff report, which consists of many documents that, taken together, provide various forms of information about what is apparently being considered to amend the current CAP.

Additional Information

I have now read the entire Staff Report, including the additional documents, inspiring these additional statements.

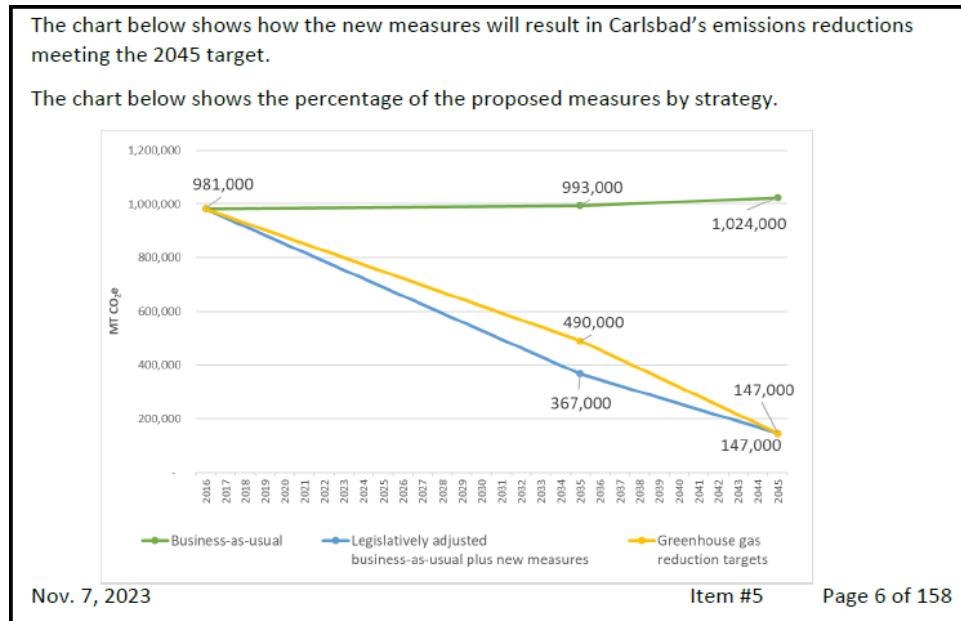
In my email below I compute that the official CA Plan to achieve the 2030 CA mandate, which is 40% below 1990 (about the same as in 2019) level, would mean a value of 540,000 MT, by 2030.

Specifically, here is what I wrote, as shown below:

Note that the SB 32, CA 2030 mandate, which uses the 1990 reference year emission level, is using the level of emissions that is about the same level as the 2019 value (shown in the yellow line and the blue line), which is, as shown, 900,000 Metric Tons (MT). (The 2019 value being nearly the same as the 1990 value is not shown by the plot, but it is a fact.)

40% below that (either the 1990 level or the 2019 level) is required by the CA mandate (SB 32), for the year of 2030 and that would be 540,000 MT. Clearly, the plot shown in the Carlsbad report is inconsistent with the official work of CA, which is the CARB Scoping Plan. To be consistent, it would need to show a plot achieving 540,000 MT by 2030. Carlsbad needed to understand the significance of the 2022 Scoping Plan and incorporate its work quickly into its plans for revision.

Looking further down in the report, I see this:



The blue line comes close to 540,000 MT in 2030. For me, this is good news. However, showing this plot does not indicate how the Carlsbad CAP Update will achieve that 2030 value. Still, it is encouraging to me to see this plot because the blue line, for 2030, is close to the CA Climate Mandate for 2030. It should be noted, however, that there is an effort going on in the CA legislature to

increase the 40% value to 55%. This shows that the Carlsbad CAP will need robust measures that can be adjusted as needed to get a larger driving reduction. Please don't blame CA for the increase. The need to increase the reduction is driven by climate science.

TDM (Transportation Demand Management)

The heart of the current TDM in both the Oceanside and the Carlsbad CAP is the idea that companies in the City would submit TDM plans that would be approved by the City and then implemented by the companies. The TDM measures would reduce driving. The TDM plans would be company measures to reduce SOV (single occupancy vehicle) commuting.

The measure with the most potential is to correctly manage car parking, for the equal benefit of both drivers and non-drivers. There are serious problems, for both cities, with how they are working on TDM, as follows:

1. The requirement for a TDM Plan would only be applied to new companies or companies that needed a new permit. This would be a very small percentage of employers. The net VMT reduction would therefore not be significant, unless the TDM practice became widespread, by choice.
2. **Neither Oceanside nor Carlsbad mentions in their CAP that they themselves are significant employers and therefore they could create TDM Plans.** (Perhaps they don't realize this or perhaps they have, but they have chosen to keep quiet and hope that no one in the public notices this oversight.)

Both problems could be solved if the City admitted that they had employees and then proceeded to implement a managed car parking system, using a vendor that will not charge the employer (the City) and will create a car-parking system that is favored by a super majority of both drivers and non-drivers. This provides an implementation strategy. Both cities need to start the implementation (RFP Process) immediately, because conforming to the CARB Scoping Plan means that there can be very little so-called "free" parking, by 2030. As I have mentioned, the ACE Parking CEQ is anxious to submit a proposal to do this car parking system. (I can document this fact, upon request.) The vendor will have the ability to implement the same system at all kinds of locations, as shown in my car parking paper. They will be motivated to do that. Just as the Uber system has spread to most providers of ride purchase, the provider of a good car parking system will attempt to do all parking. The private sector gives us the best chance of rapid change. The problem is that governments are very resistant to change, regardless of what they might say. I wrote the paper that defined the "all purpose" car parking system in response to Oceanside Councilman Jerry Kerns giving me a disk showing me an Oceanside Transit Center proposal that had housing, retail, and employment, as well as the existing train and bus service. He understood that the parking should be shared but he did not know how that could be done. He asked me what should be done. This was back in 2008. Although Councilman Kern did not know how the parking could be managed, he thought that I might, as a systems engineer, be able to figure out how the parking system should be defined. The paper that resulted caused me to be placed on an Urban Planning Panel at the Air and Waste Management Association convention, in 2010, in Calgary, Canada.

What 5 Measures?

As I looked at the video of the November 7th, I saw the words "5 Measures Added". However, reading the Staff Report, I never saw what those 5 measures were. I did see this:

Next Steps

The next steps for the Climate Action Plan update are to:

- Continue the second phase of public engagement to get feedback on the potential Climate Action Plan measures, concluding in November 2023
- Refine potential Climate Action Plan measures, as appropriate
- Develop the draft Climate Action Plan update, the implementation cost analysis, and a draft CEQA document
- Share the formal draft Climate Action Plan Update, related appendices and CEQA document with the community
- Present the final Climate Action Plan update to the Planning Commission, and then to the City Council

The final Climate Action Plan update is estimated to be presented to the City Council in mid-2024.

Were the "5 Measures" these "5 Actions?" As I show in my email below, there is a long list of poorly defined measures that appears, but that list cannot be the "5 Measures".

Measures to Reduce Driving and Their Conformity to Official CA Policy

In the Carlsbad November 7th Staff Report, I see this critically important list of promising but poorly defined measures:

Table 20 Summary of 2035 and 2045 GHG Emissions Reductions from Measures in Carlsbad CAP

CAP Strategies	Federal and State Regulations and CAP Measures	Emissions Reduction (MT CO ₂ e)	
		2035	2045
Transportation	T-1 Traffic Calming & Optimization	1,334	746
	T-2 Transportation Demand Management Ordinance	3,254	4,589
	T-3 Safe Routes to School	70	39
	T-4 Bikeway System Improvements	566	324
	T-5 Pedestrian System Improvements	547	307
	T-6 Local Transportation Improvements	N/A	N/A
	T-7 Municipal Transportation Demand Management Program	92	51
	T-8 Increase Public Zero Emission Vehicle Infrastructure	Supporting California Advanced Clean Car II	
	T-9 Zero Emission City Fleet	1,059	592
	T-10 Parking Management Strategies	4,653	7,821
	OR-1 Convert Gas-Powered Leaf Blowers	396	386
	OR-2 Increase Renewable or Alternative Fuel in Construction Equipment	4,698	15,081

The measures that have the potential to bring the Carlsbad CAP into compliance with the official CA Plan (the CARB Scoping Plan of late 2022) that is designed to achieve the official CA Climate Mandate of 2030 (SB 32) are T-2 and T-10. Ignoring OR-1 and OR-2, which do not belong on the Transportation list, results in T-2 and T-10 being nearly 70% of the Transportation total. This shows the importance of car parking, since the most powerful TDM measure is operating the employee car parking for the equal financial gain of all the employees, regardless of whether they chose to drive a car to work. Since non-drivers will not pay to park, the system is a way that employees can get paid extra, for each time they get to work without driving. With an "Add-In" amount added into the earnings of those employees that drive every day, they system can be operated so that no one loses money. As stated above, the ACE Parking CEO wants to provide this solution.

Please read Appendix E of the CARB Scoping Plan and realize the there can be no more "free" parking in Carlsbad, by 2030. TDM and "Parking Management Strategies" can be designed to bring the new CAP into compliance with the official CA Plan to achieve the official CA mandate, for 2030. I have looked at Carlsbad's work so far on Parking Management. It is far off the mark. It will not lead to what is needed. Regarding parking management, Carlsbad needs to start over. The proper way forward is simpler than the path you are on. Please allow me to help you define that solution in a Requirements Document that will support a fair RFP process. Your employees deserve a system that is economically fair and environmentally sound.

Closing Comments (Same as in the Email below)

I think we should meet to go over this material. I would be happy to help in any way. Carlsbad has an opportunity to be a climate leader.

I could send you the Scoping Plan and its Appendix E. I could send you my reports and the files I use to present the reports. We could also meet so that you can give me your concerns with this message.

Highest regards,



Mike Bullock
1800 Bayberry Drive
Oceanside, CA 92054
760 421 9482

California Democratic Party Delegate, 76th Assembly District (author of 2 adopted resolutions and 5 Platform changes)
Former Elected (now Associate) Member of the San Diego County Democratic Party Central Committee (author of 5 adopted resolutions)

Final title before leaving Aerospace: **Senior Staff Systems Engineer**

Air and Waste Management Association published and presented papers:
Author, **The Development of California Light-Duty Vehicle (LDV) Requirements to Support Climate Stabilization: Fleet-Emission Rates & Per-Capita Driving**
Author, **A Climate-Killing Regional Transportation Plan Winds Up in Court: Background and Remedies**
Co-author, **A Plan to Efficiently and Conveniently Unbundle Car Parking Cost**

Quotes from the Secretary General of the UN:

1. We have a Code Red Climate Emergency.
2. We are solidly on a path to an unlivable planet.
3. We are driving towards Climate Hell with our foot on the accelerator.
4. We are dangerously close to the point of no return.

From: mike_bullock@earthlink.net <mike_bullock@earthlink.net>

Sent: Saturday, November 11, 2023 6:48 PM

To: 'katie.hentrich@carlsbadca.gov' <katie.hentrich@carlsbadca.gov>; 'council@carlsbadca.gov' <council@carlsbadca.gov>; 'council@oceasideca.org' <council@oceasideca.org>

Cc: 'Michele Cyr' <michele.cyr@sbcglobal.net>; 'Tom Lichterman' <tlichterman@cox.net>; 'Hope Nelson' <hopefromthehood@gmail.com>; 'Bill Fowler' <wwfowler@gmail.com>; 'Pete Penseyres' <cyclovet11@yahoo.com>; 'Esmeralda Gonzalez Jimenez' <EGonzalez@oceasideca.org>; 'Chih-Wu Chang' <chihwu.chang@gmail.com>; 'David Hall' <dqhall44@gmail.com>; 'Diana Aguirre' <dra805@gmail.com>; 'Jan Neff-Sinclair' <jan.neff@ymail.com>; 'Jane Marshall' <jmarshall@bps.net>; 'Joan Bullock' <joan_bullock@earthlink.net>; 'Luke Tesluk' <luke.tesluk@gmail.com>; 'Mary Meyers' <m_e_meyers@yahoo.com>; 'Shirley Anderson' <sander1575@aol.com>; 'Vince Loughney' <loughnvj@yahoo.com>; 'Russ Cunningham' <RCunningham@oceasideca.org>; 'Steve Birdlebough' <scbaffirm@gmail.com>; 'becollins92@gmail.com' <becollins92@gmail.com>; 'Sierra Conscom Ron Askeland' <Ron.Askeland@gmail.com>

Subject: Carlsbad's Responsibility in Updating Their Climate Action Plan

Katie Hentrich, Senior Program Manager
katie.hentrich@carlsbadca.gov, 442-339-2623

Senior Program Manager Hentrich,

The people that are getting a copy of this email may not agree with my comments. I am copying them only because I think they might be interested in climate change and what is happening in Carlsbad. I have not gotten their permission to send them a copy of this email.

I have reviewed the video of the meeting. I have downloaded the staff report showing what is being proposed to amend the current CAP.

First off, It disappoints me greatly that the year 2035 is used, in contradiction with the state mandate and climate science. SB 32 established that the first California (CA) mandate is for the year of 2030. NOT 2035. Five years matter. They are critical. There is no state mandate for 2035. Anyone interested in climate change would notice that the articles in newspapers and magazines that are about COP26, COP27, COP28, and so on (the UN's work on avoiding human extinction) speak only of getting larger GHG reduction commitments for 2030. Not 2035. It is extremely dangerous to focus on any year other than 2030.

Based on the Carlsbad City Council meeting of Nov. 7, 2023, no one at the City of Carlsbad seems to understand that our CA mandate is for 2030. If humans don't get their emissions sufficiently low by 2030, we are in danger of having our climate destabilize, resulting in mass starvation and our eventual extinction. This is very serious.

Quotes from the Secretary General of the UN:

1. We have a Code Red Climate Emergency.
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This link will establish that the CA mandate is for 2030:

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It says (with added **highlights**):

The **California Global Warming Solutions Act of 2016: emissions limit**, or **SB-32**, is a California Senate bill expanding upon [AB-32](#) to reduce **greenhouse gas (GHG) emissions**. The lead author is Senator [Fran Pavley](#) and the principal co-author is Assemblymember [Eduardo Garcia](#). SB-32 was signed into law on September 8, 2016, by Governor [Edmund Gerald "Jerry" Brown Jr.](#)^[1] SB-32 sets into law the mandated reduction target in GHG emissions as written into [Executive Order B-30-15](#).

The Senate bill requires that there be a reduction in GHG emissions to **40% below the 1990 levels by 2030**.

Here is the report being discussed:

Meeting Date: Nov. 7, 2023

To: Mayor and City Council

From: Scott Chadwick, City Manager

Staff Contact: Katie Hentrich, Senior Program Manager

katie.hentrich@carlsbadca.gov, 442-339-2623

Subject: Potential Measures to Reduce Greenhouse Gas Emissions for the Climate Action Plan Update

Districts: All

Recommended Action

Receive a report on potential measures to reduce greenhouse gas emissions for the draft Climate Action Plan update and provide feedback to staff as desired.

All the talk about 2035 was contradicted in the City report that says this (**emphasis added**):

State targets

California's Legislature has set the following greenhouse gas reduction targets:

- **2030 - Senate Bill 32 (2016) requires the California Air Resources Board to ensure the**

state's greenhouse gas emissions are reduced to 40% below 1990 levels by 2030.

- **2045** - Assembly Bill 1279 (2022) requires the Air Resources Board to ensure emissions are reduced to 85% below 1990 levels by 2045.

Thanks to the work that was started in 2011 by AG Harris (now VP Harris), Carlsbad cannot ignore the CA Climate Mandates nor the official plan to achieve the CA Climate Mandates, which is the 2022 CARB Scoping Plan. Therefore, Carlsbad must have, for example, nearly all car parking managed (not "free") by 2030. Difficult? Not as difficult as mass starvation. The fact is that the only way to have economic equity and fairness, for car parking, is to have managed parking. "Free" is not managed. By the way, "managed" will be more convenient for drivers than "free" as well as being equitable and environmentally sound. Regardless, it is required because it is in the official CA Plan, the CARB Scoping Plan.

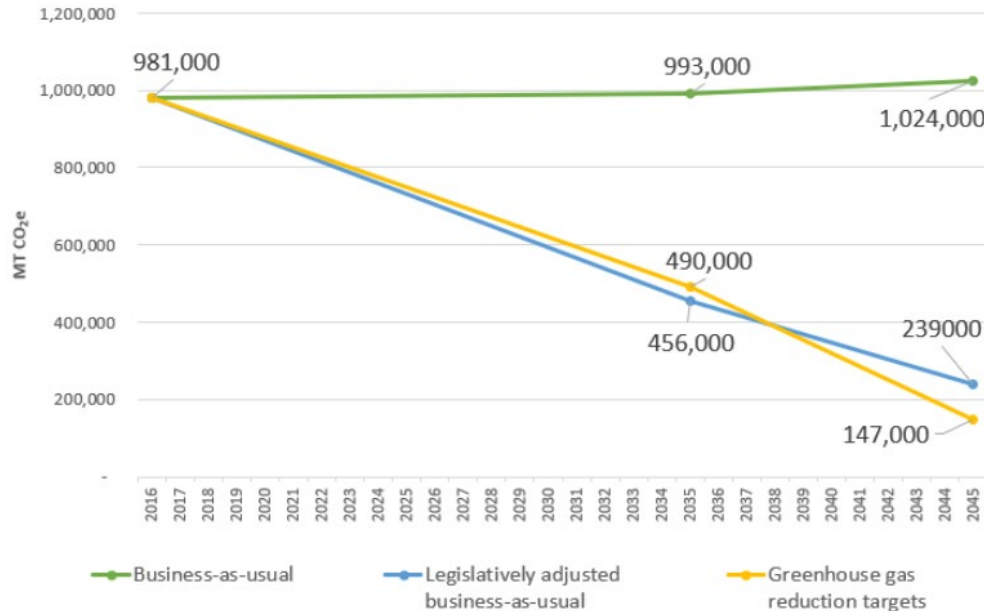
I can show you how to do this ("managed parking") if you are interested.

The Carlsbad Staff report also says this:

2035 being chosen because that is the year that Carlsbad's General Plan anticipates the city will be fully developed or built-out.

That is not an adequate excuse to ignore CA's 2030 mandate. The climate scientists are giving us climate-stabilization requirements for the years of 2030 and 2045. The UN's "Committee of Parties (COP)" focuses on 2030. Not achieving the 2030 climate stabilization requirement equates to probable human extinction. Climate science and the state of California (CA), have more weight than the idea that Carlsbad might be "built out" by 2035. It is not an exaggeration to say that taking our focus away from the year of 2030 is suicidal. We have a code red climate emergency, and we cannot afford to be intellectually lazy.

On page 4 of the Carlsbad Report this plot is shown:



This plot does not conform to the California Air Resources Board (CARB) Scoping Plan of December 2022. Read its Appendix E. It says we must reduce driving by 25% with respect to 2018 and to do that we need:

- To double transit service by 2030 with respect to 2018 (Carlsbad has very little control here)
- To replace "free" parking, by 2030 (Carlsbad has full control here)
- To have a fully functional Road Use Charge (RUC), by 2030. (Carlsbad has no control, since a RUC would be a CA policy. However, Carlsbad has voted at SANDAG to ignore CARB's findings, thus caving into the political demagoguery that is used to vilify replacing the very regressive CA gas tax, that has no future due to the electrification of cars, with a means-based Road Use Charge that can be constructed with the features that are needed to make it fair and environmentally sound.)

Note that the SB 32, CA 2030 mandate, which uses the 1990 reference year emission level, is using the level of emissions that is about the same level as the 2019 value (shown in the yellow line and the blue line), which is, as shown, 900,000 Metric Tons (MT). (The 2019 value being nearly the same as the 1990 value is not shown by the plot, but it is a fact.)

40% below that (either the 1990 level or the 2019 level) is required by the CA mandate (SB 32), for the year of 2030 and that would be 540,000 MT. Clearly, the plot shown in the Carlsbad report is inconsistent with the official work of CA, which is the CARB Scoping Plan. To be consistent, it would need to show a plot achieving 540,000 MT by 2030. Carlsbad needed to understand the significance of the 2022 Scoping Plan and incorporate its work quickly into its plans for revision.

After decades of incorrect math, CARB finally got their math correct. However, they do not show their math. I have done the same

math (it has been peer reviewed several times by the Air and Waste Management Association), allowing me to sit on AWMA's urban planning panels. Based on my calculations (available upon request), I know that CARB's math is correct.

The CARB Scoping Plan of late 2022 is the official state plan for achieving the CA 2030 mandate and it shows that CA (Note: Carlsbad is in CA.) must have no "free" parking, by 2030. Do you have a plan to make that happen, by 2030? I fear you have no strategy to make that happen, by 2030. Please read the CARB Scoping Plan and bring Carlsbad into compliance with the law. I speak here of the law, as it has been shown by the AG Harris work that commenced with her letter to SANDAG in 2011. (I can show you that letter.) A detail here is that failure to conform to the CA Plan to achieve the CA 2030 mandate would make the CEQA significance threshold be exceeded in the CAP's EIR. AG Harris stated that the CA climate mandates are about climate stabilization and that climate stabilization is the objective of CEQA. At the November 7th meeting, your City Attorney sounded very unworried about the legal issues surrounding the significance threshold of a non-conforming CAP Update. Physics will not be kind to us if we ignore the concept of a significance threshold and of climate destabilization. Climate destabilization is an environmental impact that is extremely negative and unacceptable, since it will almost certainly leave only microbiology forms of life on our planet.

On page 5 the report shows 22 proposed measures, without any detail whatsoever. Here they are (emphasis added):

The measures are:

- Wastewater system improvements
- Water system improvements
- Renewable energy at municipal facilities
- Community choice energy
- Nonresidential building energy efficiency and renewable energy
- Residential building energy efficiency and renewable energy
- Building energy benchmarking
- Decarbonize existing buildings
- Solid waste and organic waste diversion
- Traffic calming and optimization
- **Transportation demand management ordinance**
- Safe Routes to School
- Bikeway system improvements
- Pedestrian system improvements
- Local transportation improvements
- Municipal transportation demand management program
- Increase public zero emission infrastructure
- Zero emission city fleet
- **Parking management strategies**

The final measure, "Parking Management Strategies" conforms to the CARB Scoping Plan, which clearly indicates that we can have no "free" parking by 2030. The listed measure is not a commitment. The problem is also that it is very late to not have the specific measure, and to have the strategy to implement the specific measure fully described. How would this be accomplished? I have been describing this measure for over 10 years and one of the recipients of my work has been Carlsbad. I have been ignored. However, I can't give up. I have 5 grandchildren.

I could show you the papers I have written on the car parking system that is needed. However, I will paste in words from another email, that shows many of the car parking features that are needed and some ideas about how this could be implemented:

Here's how the Scoping Plan gets the large (25%) needed driving reduction:

1. Double transit service, with respect to 2019 levels, by 2030,
2. A RUC, fully implemented by 2030,
3. Priced Parking, fully implemented by 2030.

"Priced Parking" needs refinement, if we want to be politically astute, with an attention to details. And we have no time for generalities. It is time for details.

To steer developers to compliance, we should proceed in this way, after asserting the legal requirement:

1. We should recommend *managed parking* and point out that so-called "free parking" is not free, because such a scheme lowers wages, increases rent, and increases the cost of many items, including food. And that instead of "free parking" we need managed parking, with these features:
2. Parking should be managed so that it earns money for those for whom the parking is built or for those who are losing money because the parking is being provided. Opening an account, for easy deposit, would be encouraged. Employees would get an "add-in" payment, if that is needed, so they break even. The data needed to compute earnings would also be collected automatically. For example, employees might be required to carry a FOB, when they go to work. If a train system has car parking, it

- would be helpful to have all riders carry a FOB, which would also make it easy to automatically charge the fare, beside pay the car parking earnings.
3. All parking is shared. That means that it is available to everyone with a license plate, so they can be billed. Opening an account that associates the license plate with an account would be encouraged, for the easy flow of money.
 4. Parking is value priced, with the exception being on-street, when the occupancy is lower than an agreed-upon threshold, like, for example, 50%. When occupancy is below the threshold, the parking could be free.
 5. Parking pricing includes congestion pricing to keep the occupancy rate from exceeding an agreed-upon value.
 6. Parking is fully automated, so there is no more to do than for so-called "free" parking.
 7. Data collection to support the earnings calculations is also fully automated, such as being at a work site.
 8. The entire system is provided (designed, installed, and operated) by a vendor, selected in an RFP (Request for Proposal) process.
 9. The best place to have the first system is at a place of employment, noting that a municipal government is an employer, and that the system should not cost the employer any money. (ACE Parking, for example, is willing to do the system at no cost. They would take small percentage of the revenue, leaving earnings, for those for whom the parking is built.)
 10. The vendor would be skilled a monetizing unused parking and monetizing data.
 11. Privacy would be protected, as it should likewise be specified for a Road Use Charge.
 12. The vendor would be skilled at providing solar canopies, providing charging stations, and buying and selling electricity.

I have explained this system to the CEO of ACE Parking. He wants to supply the solution. He will submit a proposal. That is documented in a file I have, available upon request.

I have presented this at many technical conferences, so it is peer reviewed. The next Conference is here: . <https://web.cvent.com/event/413d9419-4773-496c-8591-8879904f60bc/websitePage:ce1aee6f-c63f-4a65-a485-f1627b3da134> I may change the name to "Managed Parking", a name I got from Toll Brothers. Toll Brothers has not ruled out "Managing" (as they say) the parking at the Oceanside Transit Center.

What this does not show is the various algorithms that compute the earnings. One important fact about the algorithms is that they do not use whether the owner drove. Therefore, it can be shown that drivers are not being treated worse than non-drivers. The email message below was written in response to my reading the UT's description of the meeting.

Closing Comments

I think we should meet to go over this material. I would be happy to help in any way. Carlsbad has an opportunity to be a climate leader.

I could send you the Scoping Plan and its Appendix E. I could send you my reports and the files I use to present the reports. We could also meet so that you can give me your concerns with this message.

Highest regards,



Mike Bullock
1800 Bayberry Drive
Oceanside, CA 92054
760 421 9482

California Democratic Party Delegate, 76th Assembly District (author of 2 adopted resolutions and 5 Platform changes)
Former Elected (now Associate) Member of the San Diego County Democratic Party Central Committee (author of 5 adopted resolutions)

Final title before leaving Aerospace: Senior Staff Systems Engineer

Air and Waste Management Association published and presented papers:
Author, *The Development of California Light-Duty Vehicle (LDV) Requirements to Support Climate Stabilization: Fleet-Emission Rates & Per-Capita Driving*
Author, *A Climate-Killing Regional Transportation Plan Winds Up in Court: Background and Remedies*
Co-author, *A Plan to Efficiently and Conveniently Unbundle Car Parking Cost*

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From: mike_bullock@earthlink.net <mike_bullock@earthlink.net>

Sent: Friday, November 10, 2023 7:10 PM

To: 'Hope Nelson' <hopefromthehood@gmail.com>; 'Teresa Acosta'; 'Bill Fowler' <wwfowler@gmail.com>; 'Pete Penseyres' <cyclovet11@yahoo.com>

Cc: 'Michele Cyr' <michele.cyr@sbcglobal.net>; 'Tom Lichterman' <tlichterman@cox.net>

Subject: Carlsbad working to update climate plan

Reality: *This year 'virtually certain' to be warmest in 125,000 years, EU scientists say*

There does not seem to be enough concern in Carlsbad. What about our younger residents? Our children are at high risk.

Here is the article:

Carlsbad working to update Climate Plan

City wants to reduce emissions by 85% from 2016 to 2045 (Bullock note: this is not enough, and it obscures the fact that our first climate stabilization requirement is for the year 2030.)

By Phil Diehl

CARLSBAD

Zero-emission city vehicles, improved bicycle and pedestrian routes, and better transportation management systems [Maybe there is some hope here. I will need to try to find out.] are among measures proposed for Carlsbad's updated climate action plan.

Carlsbad's goal is to reduce its greenhouse gas emissions from 2016 levels by 50 percent in 2035 [Bullock note: 2035 is the wrong date. (The 50% is about right, for 2030.) 2030 is correct and has been for over 10 years. CA's SB 32 Climate Mandate for the year is 2030. How to achieve that is in the CARB Scoping Plan. That Plan is the official CA Plan. Carlsbad may think it can ignore the CA climate mandates. However, AG Harris established otherwise, starting that effort back in 2011. Carlsbad thinks CA doesn't matter. Or else they are out of touch with CA and with Climate Science.] and 85 percent in 2045, said Senior Program Manager Katie Hentrich in a presentation Tuesday to the City Council.

*"Several of the proposed measures **will take many years** to design and implement [I could give them the car parking strategy and plan right now. The CARB Scoping Plan makes it clear that "free parking" does not comply with the official CA Plan. Do they know? Besides getting rid of bad car parking systems, we need a RUC, which is not Carlsbad's responsibility, although they vote against it at SANDAG, AND we must double transit service with respect to 2019, by 2030, which is also not Carlsbad's responsibility. However, increased transit service will not be cost effective if parking is not fixed. The bottom line in both Carlsbad and Oceanside is that Democrats seem to be failing humanity.]," Hentrich said, though many of the suggestions are expansions or continuations of programs the city already has underway. Bicycle and pedestrian routes, for example have been expanded in recent years.*

Carlsbad's climate action plan is 8 years old, "and in the world of climate change that is pretty outdated," she said. Evidence is mounting rapidly to show the dramatic effects of human activities on the warming planet.

About a dozen speakers addressed the City Council on the issue; most of them supported the update. The final version is expected to go to the council for approval in mid-2024.

"There is a climate emergency," said resident Vanessa Forsythe, who encouraged the city to act quickly and equitably. Measures need to be fair to people of all incomes, races and classes, said Forsythe and other speakers.

Not everyone was in support. One resident, Mike Borrello, said, "There is no climate emergency," adding that the city can't afford the measures, and that it's "all nonsense."

State goals for greenhouse gas reduction are another example of Sacramento's overreach, said Borrello, who has spoken before on other issues such as affordable housing mandates.

"I'm a taxpayer, and I won't consent to this stuff," Borrello said.

Most other residents and City Council members praised Hentrich and the city staff for their work on the issue. Some urged the city to do more.

"Please also consider an anti-idling measure," said resident Paige DeCino. Idling vehicles are a significant and easily targeted source of greenhouse gas emissions. She also encouraged the city to speed up its transition to electric police cars.

Others asked the city to stop the use of gasoline-powered leaf blowers, prohibit synthetic turf on athletic fields and cease the use of leaded aviation fuel at McClellan-Palomar Airport, though some of the suggestions were outside the city's authority. The airport, for example, is owned by San Diego County and overseen by the Federal Aviation Administration.

Councilmembers Carolyn Luna and Melanie Burkholder asked about the costs of the measures, which are not detailed in the proposal presented Tuesday. Hentrich said a cost analysis is being prepared.

"That's a concern," Luna said. "Carlsbad is balancing so many things. I'm looking forward to the fiscal analysis, that's what I'm going to focus on."

The timing of the measures' implementation was another issue raised by the council, and Hentrich said annual progress reports will be presented.

Mayor Keith Blackburn said he's been a slow convert to the importance of climate issues, but that whenever he talks to high school students it's one of the first things they bring up.

"I ask only that everything be balanced," Blackburn said. "Get it done affordably and balanced with the city's other priorities."

He also praised Hentrich's work and said she's been called the city's "environmental Clark Kent," a reference to the comic book hero Superman's alter ego.

philip.diehl@sduniontribune.com

Not very encouraging. The year 2035 is incorrect. The correct year is 2030. The later year (2045) is dangerous because it takes away attention that should be devoted, 100%, to the 2030 CA Mandate.

Here is the article:

http://enewspaper.sandiegouniontribune.com/infinity/article_share.aspx?guid=c5b45992-6ddf-4391-aebe-56922e33e9c2

The speakers from the public that understand we have a crisis are off the mark in that they don't seem to know that there is a CA Mandate and a CA Plan. There is one denier.

Maybe its better than I suspect, just reading the article.

Mike

[CAUTION: Do not open attachments or click on links unless you recognize the sender and know the content is safe.](#)

From: [katrina olson](#)
To: [Katie Hentrich](#)
Cc: [Brooke Wedner](#); [Wendy Mihalic](#)
Subject: CAP feedback
Date: Friday, November 10, 2023 11:56:29 AM

Hello Katie,

I responded using your survey but I had a few other thoughts that did not fit into that format. So here goes:

1. **Targets-** would urge bolder targets. Zero carbon by 2035 not 85% by 2045,
2. **Education-** people are sort of willing but they don't know what to do. Make this a public campaign with marketing attached to it. Use your marketing staff or hire someone/intern etc.
 - General education- on carlsbad web page- "what can I do to help with climate change"- with individual actions- links to rebates, information (Encinitas web page has this also. Use social media for this also- Facebook, twitter, instagram (dedicate a student/intern/employee/volunteer etc to this.
 - Individualized feedback from Carlsbad about energy usage compared to peers
 - Businesses
 - Residents- send personalized emails, mail or home visits
 - Consider outreach to high users with progress reports (maybe you already do this?)
 - Public accolades to businesses or individuals who make energy favorable changes- schools, government, developers/builders that they can use for their own marketing, etc.
 - Community Choice Energy- people still don't understand what that is- need to provide education and reassurance
 - regular email blasts to Carlsbad public (residential and business) about climate-related news
3. **Public facing Dashboard** with updated implementation goals/targets and measurements- see Encinitas web page. Could be part of the Education component.
<https://www.encinitasenvironment.org/dashboard>
4. **Transportation**
 - This is by far the most important GHG reducing opportunity, but seems to be the most difficult. It has to be harder for us to drive, or easier to do something else. Or use EV's which not everyone can afford. Change rules for golf carts and encourage use of golf carts/ e-bikes for errands- work with neighborhood stores to have bike racks, recognition of customers who use bikes/golf carts etc.
 - Accelerate Traffic calming measures- roundabouts/ less lanes for driving etc. make people hate driving even more. And use police to enforce speed limits, red lights etc,
 - (I know that speed limit is set by the state on roads based on average speeds but that is a flawed concept- there must be some loopholes..Currently I am afraid to ride my bike because the traffic is so scary. So I drive-even short distances)
 - City planning- People won't want to drive if they live close to where they shop/hang out/eat etc. encourage/incentivize neighborhood pocket shopping areas
 - So many of our roads are 8 lanes- so biking or walking across is problematic- could you

include some pedestrian/bike bridges in city/traffic planning?

5, **Funding**

Include in report funding sources for the needed changes. Do you have a grant writer or accountant assigned to this? Increase tax rate to include a climate tax? The public is concerned about the costs (rightfully so), so we need to be reassured or convinced that the associated costs will be reasonable and fair. Also to find a way to emphasize fair transition for workers who will be impacted- opportunities for “green jobs”, training etc could be included in your plan.

6. **Collaboration** with other cities. Rather than reinvent the wheel- ex. could you collaborate with Encinitas and others- ex work together or pay them for their web content? (Or just copy it).

7. **Be a good example** /walk the walk- convert to all electric vehicles, electric infrastructure in all city buildings and infrastructure by 2035. Use that in Carlsbad marketing.

8. **Trees**- this seems relatively easy and inexpensive. Get neighbors and businesses to adopt a tree. Make it part of a community plan. Developers need to include trees in their plans.

9. **No gas-powered lawn equipment**- leaf blowers, lawnmowers. Advertise and support incentives to convert to electric. Those of us who hire landscape companies should pay special tax?? to support the transition.

Thanks,
Katrina Olson
SanDiego350
231-730-8566

CAUTION: Do not open attachments or click on links unless you recognize the sender and know the content is safe.

From: mike_bullock@earthlink.net
To: Katie_Hentrich; Council Internet Email; council@oceansideca.org
Cc: "[Michele Cyr](#)"; "[Tom Lichterman](#)"; "[Hope Nelson](#)"; "[Bill Fowler](#)"; "[Pete Penseyres](#)"; "[Esmeralda Gonzalez Jimenez](#)"; "[Chih-Wu Chang](#)"; "[David Hall](#)"; "[Diana Aguirre](#)"; "[Jan Neff-Sinclair](#)"; "[Jane Marshall](#)"; "[Joan Bullock](#)"; "[Luke Tesluk](#)"; "[Mary Meyers](#)"; "[Shirley Anderson](#)"; "[Vince Loughney](#)"; "[Russ Cunningham](#)"; "[Steve Birdlebough](#)"; becollins92@gmail.com; "[Sierra Conscom Ron Askeland](#)"
Subject: Carlsbad's Responsibility in Updating Their Climate Action Plan
Date: Saturday, November 11, 2023 6:48:25 PM
Attachments: [image004.png](#)

Katie Hentrich, Senior Program Manager
katie.hentrich@carlsbadca.gov, 442-339-2623

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To: Mayor and City Council
From: Scott Chadwick, City Manager
Staff Contact: Katie Hentrich, Senior Program Manager

katie.hentrich@carlsbadca.gov, 442-339-2623

Subject: Potential Measures to Reduce Greenhouse Gas Emissions for the Climate Action Plan Update

Districts: All

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- **2045** - Assembly Bill 1279 (2022) requires the Air Resources Board to ensure emissions are reduced to 85% below 1990 levels by 2045.

Thanks to the work that was started in 2011 by AG Harris (now VP Harris), Carlsbad cannot ignore the CA Climate Mandates nor the official plan to achieve the CA Climate Mandates, which is the 2022 CARB Scoping Plan. Therefore, Carlsbad must have, for example, nearly all car parking managed (not "free") by 2030. Difficult? Not as difficult as mass starvation. The fact is that the only way to have economic equity and fairness, for car parking, is to have managed parking. "Free" is not managed. By the way, "managed" will be more convenient for drivers than "free" as well as being equitable and environmentally sound. Regardless, it is required because it is in the official CA Plan, the CARB Scoping Plan.

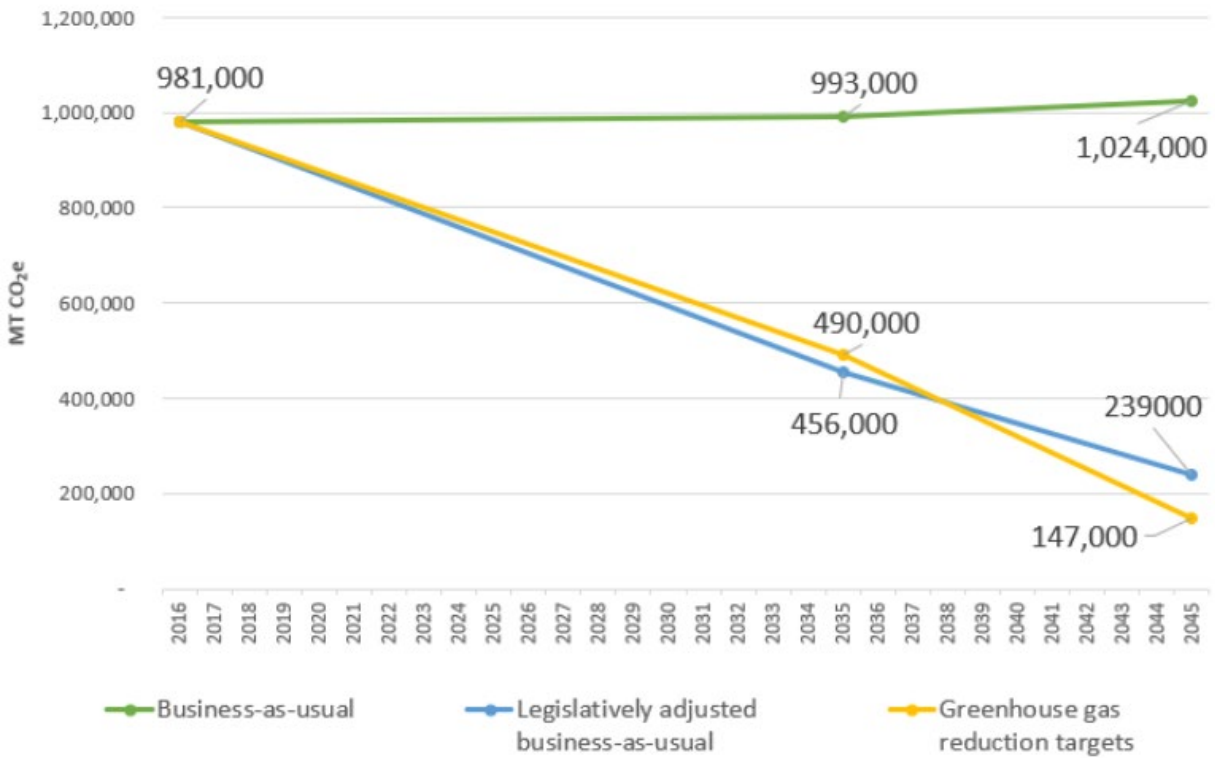
I can show you how to do this ("managed parking") if you are interested.

The Carlsbad Staff report also says this:

2035 being chosen because that is the year that Carlsbad's General Plan anticipates the city will be fully developed or built-out.

That is not an adequate excuse to ignore CA's 2030 mandate. The climate scientists are giving us climate-stabilization requirements for the years of 2030 and 2045. The UN's "Committee of Parties (COP)" focuses on 2030. Not achieving the 2030 climate stabilization requirement equates to probable human extinction. Climate science and the state of California (CA), have more weight than the idea that Carlsbad might be "built out" by 2035. It is not an exaggeration to say that taking our focus away from the year of 2030 is suicidal. We have a code red climate emergency, and we cannot afford to be intellectually lazy.

On page 4 of the Carlsbad Report this plot is shown:



This plot does not conform to the California Air Resources Board (CARB) Scoping Plan of December 2022. Read its Appendix E. It says we must reduce driving by 25% with respect to 2018 and to do that we need:

- To double transit service by 2030 with respect to 2018 (Carlsbad has very little control here)
- To replace “free” parking, by 2030 (Carlsbad has full control here)
- To have a fully functional Road Use Charge (RUC), by 2030. (Carlsbad has no control, since a RUC would be a CA policy. However, Carlsbad has voted at SANDAG to ignore CARB’s findings, thus caving into the political demagoguery that is used to vilify replacing the very regressive CA gas tax, that has no future due to the electrification of cars, with a means-based Road Use Charge that can be constructed with the features that are needed to make it fair and environmentally sound.)

Note that the SB 32, CA 2030 mandate, which uses the 1990 reference year emission level, is using the level of emissions that is about the same level as the 2019 value (shown in the yellow line and the blue line), which is, as shown, 900,000 Metric Tons (MT). (The 2019 value being nearly the same as the 1990 value is not shown by the plot, but it is a fact.)

40% below that (either the 1990 level or the 2019 level) is required by the CA mandate (SB 32), for the year of 2030 and that would be 540,000 MT. Clearly, the plot shown in the Carlsbad report is inconsistent with the official work of CA, which is the CARB Scoping Plan. To be consistent, it would need to show a plot achieving 540,000 MT by 2030. Carlsbad needed to understand the significance of the 2022 Scoping Plan and incorporate its work quickly into its plans for revision.

After decades of incorrect math, CARB finally got their math correct. However, they do not show their math. I have done the same math (it has been peer reviewed several times by the Air and Waste Management Association), allowing me to sit on AWMA’s urban planning panels. Based on my calculations (available upon request), I know that CARB’s math is correct.

The CARB Scoping Plan of late 2022 is the official state plan for achieving the CA 2030 mandate and it shows that CA (Note: Carlsbad is in CA.) must have no “free” parking, by 2030. Do you have a plan to make that happen, by 2030? I fear you have no strategy to make that happen, by 2030. Please read the CARB Scoping Plan and bring Carlsbad into compliance with the law. I speak here of the law, as it has been shown by the AG Harris work that commenced with her letter to SANDAG in 2011. (I can show you that letter.) A

detail here is that failure to conform to the CA Plan to achieve the CA 2030 mandate would make the CEQA significance threshold be exceeded in the CAP's EIR. AG Harris stated that the CA climate mandates are about climate stabilization and that climate stabilization is the objective of CEQA. At the November 7th meeting, your City Attorney sounded very unworried about the legal issues surrounding the significance threshold of a non-conforming CAP Update. Physics will not be kind to us if we ignore the concept of a significance threshold and of climate destabilization. Climate destabilization is an environmental impact that is extremely negative and unacceptable, since it will almost certainly leave only microbiology forms of life on our planet.

On page 5 the report shows 22 proposed measures, without any detail whatsoever. Here they are (**emphasis added**):

The measures are:

- Wastewater system improvements
- Water system improvements
- Renewable energy at municipal facilities
- Community choice energy
- Nonresidential building energy efficiency and renewable energy
- Residential building energy efficiency and renewable energy
- Building energy benchmarking
- Decarbonize existing buildings
- Solid waste and organic waste diversion
- Traffic calming and optimization
- **Transportation demand management ordinance**
- Safe Routes to School
- Bikeway system improvements
- Pedestrian system improvements
- Local transportation improvements
- Municipal transportation demand management program
- Increase public zero emission infrastructure
- Zero emission city fleet
- **Parking management strategies**

The final measure, "Parking Management Strategies" conforms to the CARB Scoping Plan, which clearly indicates that we can have no "free" parking by 2030. The listed measure is not a commitment. The problem is also that it is very late to not have the specific measure, and to have the strategy to implement the specific measure fully described. How would this be accomplished? I have been describing this measure for over 10 years and one of the recipients of my work has been Carlsbad. I have been ignored. However, I can't give up. I have 5 grandchildren.

I could show you the papers I have written on the car parking system that is needed. However, I will paste in words from another email, that shows many of the car parking features that are needed and some ideas about how this could be implemented:

Here's how the Scoping Plan gets the large (25%) needed driving reduction:

1. Double transit service, with respect to 2019 levels, by 2030,
2. A RUC, fully implemented by 2030,
3. Priced Parking, fully implemented by 2030.

"Priced Parking" needs refinement, if we want to be politically astute, with an attention to details. And we have no time for generalities. It is time for details.

To steer developers to compliance, we should proceed in this way, after asserting the

legal requirement:

1. We should recommend *managed parking* and point out that so-called “free parking” is not free, because such a scheme lowers wages, increases rent, and increases the cost of many items, including food. And that instead of “free parking” we need managed parking, with these features:
2. Parking should be managed so that it earns money for those for whom the parking is built or for those who are losing money because the parking is being provided. Opening an account, for easy deposit, would be encouraged. Employees would get an “add-in” payment, if that is needed, so they break even. The data needed to compute earnings would also be collected automatically. For example, employees might be required to carry a FOB, when they go to work. If a train system has car parking, it would be helpful to have all riders carry a FOB, which would also make it easy to automatically charge the fare, beside pay the car parking earnings.
3. All parking is shared. That means that it is available to everyone with a license plate, so they can be billed. Opening an account that associates the license plate with an account would be encouraged, for the easy flow of money.
4. Parking is value priced, with the exception being on-street, when the occupancy is lower than an agreed-upon threshold, like, for example, 50%. When occupancy is below the threshold, the parking could be free.
5. Parking pricing includes congestion pricing to keep the occupancy rate from exceeding an agreed-upon value.
6. Parking is fully automated, so there is no more to do than for so-called “free” parking.
7. Data collection to support the earnings calculations is also fully automated, such as being at a work site.
8. The entire system is provided (designed, installed, and operated) by a vendor, selected in an RFP (Request for Proposal) process.
9. The best place to have the first system is at a place of employment, noting that a municipal government is an employer, and that the system should not cost the employer any money. (ACE Parking, for example, is willing to do the system at no cost. They would take small percentage of the revenue, leaving earnings, for those for whom the parking is built.)
10. The vendor would be skilled at monetizing unused parking and monetizing data.
11. Privacy would be protected, as it should likewise be specified for a Road Use Charge.
12. The vendor would be skilled at providing solar canopies, providing charging stations, and buying and selling electricity.

I have explained this system to the CEO of ACE Parking. He wants to supply the solution. He will submit a proposal. That is documented in a file I have, available upon request.

I have presented this at many technical conferences, so it is peer reviewed. The next Conference is here: . <https://web.cvent.com/event/413d9419-4773-496c-8591->

[8879904f60bc/websitePage:ce1aee6f-c63f-4a65-a485-f1627b3da134](https://www.earthlink.net/8879904f60bc/websitePage:ce1aee6f-c63f-4a65-a485-f1627b3da134) I may change the name to “Managed Parking”, a name I got from Toll Brothers. Toll Brothers has not ruled out “Managing” (as they say) the parking at the Oceanside Transit Center.

What this does not show is the various algorithms that compute the earnings. One important fact about the algorithms is that they do not use whether the owner drove. Therefore, it can be shown that drivers are not being treated worse than non-drivers. The email message below was written in response to my reading the UT's description of the meeting.

Closing Comments

I think we should meet to go over this material. I would be happy to help in any way. Carlsbad has an opportunity to be a climate leader. I could send you the Scoping Plan and its Appendix E. I could send you my reports and the files I use to present the reports. We could also meet so that you can give me your concerns with this message.

Highest regards,



Mike Bullock
1800 Bayberry Drive
Oceanside, CA 92054
760 421 9482

California Democratic Party Delegate, 76th Assembly District (author of 2 adopted resolutions and 5 Platform changes)
Former Elected (now Associate) Member of the San Diego County Democratic Party Central Committee (author of 5 adopted resolutions)

Final title before leaving Aerospace: Senior Staff Systems Engineer

Air and Waste Management Association published and presented papers:
Author, ***The Development of California Light-Duty Vehicle (LDV) Requirements to Support Climate Stabilization: Fleet-Emission Rates & Per-Capita Driving***
Author, ***A Climate-Killing Regional Transportation Plan Winds Up in Court: Background and Remedies***
Co-author, ***A Plan to Efficiently and Conveniently Unbundle Car Parking Cost***

Quotes from the Secretary General of the UN:

5. **We have a Code Red Climate Emergency.**
6. **We are solidly on a path to an unlivable planet.**
7. **We are driving towards Climate Hell with our foot on the accelerator.**
8. **We are dangerously close to the point of no return.**

From: mike_bullock@earthlink.net <mike_bullock@earthlink.net>
Sent: Friday, November 10, 2023 7:10 PM
To: 'Hope Nelson' <hopefromthehood@gmail.com>; 'Teresa Acosta'; 'Bill Fowler' <wwfowler@gmail.com>; 'Pete Penseyres' <cyclovet11@yahoo.com>
Cc: 'Michele Cyr' <michele.cyr@sbcglobal.net>; 'Tom Lichterman' <tlichterman@cox.net>
Subject: Carlsbad working to update climate plan

Reality: ***This year 'virtually certain' to be warmest in 125,000 years, EU***

scientists say

There does not seem to be enough concern in Carlsbad. What about our younger residents? Our children are at high risk.

Here is the article:

Carlsbad working to update Climate Plan

City wants to reduce emissions by 85% from 2016 to 2045 (Bullock note: this is not enough, and it obscures the fact that our first climate stabilization requirement is for the year 2030.)

By Phil Diehl

CARLSBAD

Zero-emission city vehicles, improved bicycle and pedestrian routes, and better transportation management systems [Maybe there is some hope here. I will need to try to find out.] are among measures proposed for Carlsbad's updated climate action plan.

Carlsbad's goal is to reduce its greenhouse gas emissions from 2016 levels by 50 percent in 2035 [Bullock note: 2035 is the wrong date. (The 50% is about right, for 2030.) 2030 is correct and has been for over 10 years. CA's SB 32 Climate Mandate for the year is 2030. How to achieve that is in the CARB Scoping Plan. That Plan is the official CA Plan. Carlsbad may think it can ignore the CA climate mandates. However, AG Harris established otherwise, starting that effort back in 2011. Carlsbad thinks CA doesn't matter. Or else they are out of touch with CA and with Climate Science.] and 85 percent in 2045, said Senior Program Manager Katie Hentrich in a presentation Tuesday to the City Council.

*"Several of the proposed measures **will take many years** to design and implement [I could give them the car parking strategy and plan right now. The CARB Scoping Plan makes it clear that "free parking" does not comply with the official CA Plan. Do they know? Besides getting rid of bad car parking systems, we need a RUC, which is not Carlsbad's responsibility, although they vote against it at SANDAG, AND we must double transit service with respect to 2019, by 2030, which is also not Carlsbad's responsibility. However, increased transit service will not be cost effective if parking is not fixed. The bottom line in both Carlsbad and Oceanside is that Democrats seem to be failing humanity.] ,"* Hentrich said, *though many of the suggestions are expansions or continuations of programs the city already has underway. Bicycle and pedestrian routes, for example have been expanded in recent years.*

Carlsbad's climate action plan is 8 years old, "and in the world of climate change that is pretty outdated," she said. Evidence is mounting rapidly to show the dramatic effects of human activities on the warming planet.

About a dozen speakers addressed the City Council on the issue; most of them supported the update. The final version is expected to go to the council for approval in mid-2024.

"There is a climate emergency," said resident Vanessa Forsythe, who encouraged the city to act quickly and equitably. Measures need to be fair to people of all incomes, races and classes, said Forsythe and other speakers.

Not everyone was in support. One resident, Mike Borrello, said, "There is no climate emergency," adding that the city can't afford the measures, and that it's "all nonsense."

State goals for greenhouse gas reduction are another example of Sacramento's overreach, said Borrello, who has spoken before on other issues such as affordable housing mandates.

"I'm a taxpayer, and I won't consent to this stuff," Borrello said.

Most other residents and City Council members praised Hentrich and the city staff for their work on the issue. Some urged the city to do more.

"Please also consider an anti-idling measure," said resident Paige DeCino. Idling vehicles are a significant and easily targeted source of greenhouse gas emissions. She also encouraged the city to speed up its transition to electric police cars.

Others asked the city to stop the use of gasoline-powered leaf blowers, prohibit synthetic turf on athletic fields and cease the use of leaded aviation fuel at McClellan-Palomar Airport, though some of the suggestions were outside the city's authority. The airport, for example, is owned by San Diego County and overseen by the Federal Aviation Administration.

Councilmembers Carolyn Luna and Melanie Burkholder asked about the costs of the measures, which are not detailed in the proposal presented Tuesday. Hentrich said a cost analysis is being prepared.

"That's a concern," Luna said. "Carlsbad is balancing so many things. I'm looking forward to the fiscal analysis, that's what I'm going to focus on."

The timing of the measures' implementation was another issue raised by the council, and Hentrich said annual progress reports will be presented.

Mayor Keith Blackburn said he's been a slow convert to the importance of climate issues, but that whenever he talks to high school students it's one of the first things they bring up.

"I ask only that everything be balanced," Blackburn said. "Get it done affordably and balanced with the city's other priorities."

He also praised Hentrich's work and said she's been called the city's "environmental Clark Kent," a reference to the comic book hero Superman's alter ego.

philip.diehl@suniontribune.com

Not very encouraging. The year 2035 is incorrect. The correct year is 2030. The later year (2045) is dangerous because it takes away attention that should be devoted, 100%, to the 2030 CA Mandate.

Here is the article:

http://enewspaper.sandiegouniontribune.com/infinity/article_share.aspx?guid=c5b45992-6ddf-4391-aebe-56922e33e9c2

The speakers from the public that understand we have a crisis are off the mark in that they don't seem to know that there is a CA Mandate and a CA Plan. There is one denier.

Maybe its better than I suspect, just reading the article.

Mike

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From: [Paige DeCino](#)
To: [Keith Blackburn](#); [Melanie Burkholder](#); [Carolyn Luna](#); [Priya Bhat-Patel](#); [Teresa Acosta](#)
Cc: [Katie Hentrich](#)
Subject: Followup to Nov. 7 council meeting
Date: Thursday, November 9, 2023 2:44:38 PM

Mayor and Council Members,

During the Q&A session after Katie Hentrich's presentation on Nov. 7, there were some issues brought up that we'd like to respond to.

- While businesses haven't been contacted about electrification, it is possible to phase it in by stipulating the purchase of new electric appliances at the end-of-life for existing (or with remodels) appliances so as to not mandate the replacement of functioning units. This lessens the financial impact to the business owner. To be most effective it needs to be enacted soon so the owners can plan accordingly.
- Along similar lines, as Encinitas did for leaf blowers, give the landscapers plenty of lead time (say 2 years) so they can begin replacing gas leaf blowers at their end of life.
- In regards to rooftop solar for businesses, CEA is partnering with Participate.Energy to install solar plus battery without any credit approval called Solar Plus. Tesla panels and battery will be installed, owned and maintained by Tesla for 25 years at no cost to the business (or homeowner) and the customer will get a discounted, flat kwh rate from CEA. The result is lower rates to the customer and lower GHG emissions to the city with no cost to the city. Over 25 years, the projected savings is \$12,000-\$26,000 to each customer.
- CEA is also implementing a pilot feed-in-tariff program (community solar) to incentivize local, small scale renewable energy projects. These projects will increase local electricity without the need for major grid additions or upgrades.
- As suggested by some, it is imperative that intermediate benchmarks/timelines be included in the CAP to monitor progress to avoid missing any targets at the last minute. Also, start times for implementation need to be included alongside with the benchmarks.
- As mentioned during the meeting, changing behaviors is improved. Better community outreach on Carlsbad's website would help. On the home page add an Environmental Sustainability bubble to directly link to that existing webpage and on that webpage create a CAP dashboard with information residents and businesses can learn about how to move to a cleaner energy future.

Thank you for your consideration.

Best regards,

Paige DeCino/Mike McMahon/Mary Hassing/Barbara Diamond/Lynda Daniels

Paige

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From: [Augustin Dao](#)
To: [Katie Hentrich](#)
Subject: Re: Provide input on the Carlsbad Climate Action Plan Update
Date: Wednesday, November 8, 2023 11:40:22 AM

Hi,

I wanted to congratulate our Climate Clark Kent on a job well done last night!

I've already submitted my survey, and I'm so happy to see that equity is plastered all over the plan. Not only do we need to help those disproportionately advantaged and who need the extra help to transition to a sustainable future because they've been discounted so often in the past, but hopefully we was compensate for our disproportionate contributions to warming as an affluent community as well.

I also wanted to let you know after that public comment about K-12 education from MIT or the UC's that MiraCosta has an Introduction to Climate Change course (PHSN 108) that is based upon the curriculum created by the UC's. I don't know if you want to promote that or just have it as a resource if anyone wants to learn more, but the course is free to take for all high school students who are dual enrolled, as are all of the other classes (including GEOG 108: Environmental Sustainability and Society), and the Promise Grant provides California residents with 2 free years of college as well.

Best,
Augustin Dao

On Wed, Nov 8, 2023 at 8:21 AM Katie Hentrich <Katie.Hentrich@carlsbadca.gov> wrote:

Good morning,

I wanted to send a reminder about providing input on actions proposed for the city's Climate Action Plan Update. If you are interested in providing input, you can learn more about the proposed actions here ([English](#) / [español](#)) and provide your input through this survey ([English](#) / [español](#)). **Please note that the survey will be open through Friday, November 17.**

I'd like to also offer my time to go over any questions or comments you may have. If you'd like to meet or have a larger group you would like me to share this information with, please let me know and we can set something up.

If you have already completed the survey and/or scheduled a meeting with me, please ignore this message and thank you very much for your time.

Please do not hesitate to reach out if there are any questions. **Do you need an interpreter or any other assistance in order to participate?** Please call me at 442-339-2623. **¿Necesitas un intérprete o cualquier otra asistencia para participar?** Comunícate al 442-339-2623.

Thank you very much for your consideration and participation,



Katie Hentrich

she | her | hers

Climate Action Plan Administrator

Environmental Sustainability

City of Carlsbad

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Carlsbad, CA 92008

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442-339-2623 | katie.hentrich@carlsbadca.gov

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