

Sustainability Commission AGENDA

Thursday, December 15, 2022 - 6:00 p.m.

Novato City Hall, 901 Sherman Avenue

Chair

Nicole Tai

Vice Chair Chris Yalonis

Members

Tim Blofeld, Bob Brown, Zach Brownstone, Bryn Ichinaga, and Kolby Gleeson

Staff Liaison

Gretchen Schubeck

The Sustainability Commission welcomes your attendance at its meetings, which are held on the third Thursday of each month at 6:00 p.m. Your interest is encouraged and appreciated.

Public Participation Options

Members of the public may provide public comments and participate in Sustainability Commission meetings as follows:

- Written Public Comments: May be submitted via sustainability@novato.org. Written public comments received more than 3 hours before the start of the meeting will be distributed to the Commission prior to the meeting. Written public comments will not be read during the meeting.
- In-person Public Comments: May be made during the meetings, which are held at Novato City Hall, 901 Sherman Avenue.

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the City Clerk at (415) 899-8986. Notification at least 48 hours prior to the meeting will enable the City to make reasonable accommodation to help ensure accessibility to this meeting. The Sustainability Commission may discuss and/or take action on any or all of the items listed on the agenda irrespective of how the agenda items are described.

- A. CALL TO ORDER AND ROLL CALL
- B. APPROVAL OF FINAL AGENDA
- C. PUBLIC COMMENT

Page | 1

There is a three-minute time limit to speak, although the Chair may shorten the time based on the number of speakers or other factors. A speaker may not yield their time to another speaker.

For issues raised during Public Comment that are not on the published agenda, except as otherwise provided under the Ralph M. Brown Act, no action can legally be taken. The Commission may direct that the item be referred to the Staff Liaison for action or may schedule the item on a subsequent agenda.

D. CONSENT ITEMS

D.1 Approve minutes of meeting held November 17, 2022.

E. GENERAL BUSINESS

These items include significant and administrative actions of special interest and will usually include a presentation and discussion by the Commission. They will be enacted upon by a separate vote.

- **E.1 MCE Presentation** Sebastian Conn, MCE Community Development Manager
- **E.2** Sustainability Dashboard Data Presentation Gretchen Schubeck, Sustainability Coordinator
- **E.3** Sustainability and Climate Action Prioritization Tools Presentation *Gretchen Schubeck, Sustainability Coordinator*

F. CONTINUING ITEMS

This section is for items that have previously been discussed at a Commission meeting.

- F.1 Single-Use Foodware Ordinance Gretchen Schubeck, Sustainability Coordinator
- F.2 Reach Code Study Session Subcommittee Bob Brown, Commissioner

G. COMMISSIONER AND STAFF LIAISON REPORTS

This section is used for Commissioners and the Staff Liaison to orally report on topics that can be considered for discussion at a future meeting.

- **G.1** Commissioner Reports
- G.2 Staff Liaison Reports

H. ADJOURNMENT

Materials that are submitted to members of the Commission after the distribution of the meeting's agenda packet will be available upon request.

AFFIDAVIT OF POSTING

I, Gretchen Schubeck, certify that on December 12, 2022, the agenda was posted on the City Community Service Board at 922 Machin Avenue and on the City's website www.novato.org.

/ Gretchen Schubeck /

Gretchen Schubeck, Sustainability Coordinator



Follow us on Facebook, Twitter, YouTube, Instagram, NextDoor & Nixle

Page | 2 Phone No. (415) 899-8900 novato.orq Fax No. (415) 899-8213



Sustainability Commission MINUTES

Thursday, November 17, 2022 - 6:00pm

City Administrative Offices, 922 Machin Avenue, Womack Meeting Room (2nd Floor)

Chair

Nicole Tai

Vice Chair

Chris Yalonis

Members

Tim Blofeld, Bob Brown, Zach Brownstone, Bryn Ichinaga, and Kolby Gleeson

Staff Liaison

Gretchen Schubeck

A. CALL TO ORDER AND ROLL CALL

The Commission was called to order at 6:00pm.

Commissioners Present: Tim Blofeld, Bob Brown, Zach Brownstone, Kolby Gleeson, Bryn Ichinaga, Nicole Tai, and Chris Yalonis

Staff Present: Gretchen Schubeck, Sustainability Coordinator

B. APPROVAL OF FINAL AGENDA

Upon a motion of Commissioner Yalonis and second by Commissioner Gleeson, the Commission voted 7-0 to approve the final agenda.

AYES: BLOFELD, BROWN, BROWNSTONE, GLEESON, ICHINAGA, TAI, YALONIS

NOES: NONE

Motion carried.

C. PUBLIC COMMENT

None

D. CONSENT ITEMS

Upon a motion of Commissioner Yalonis and second by Commissioner Gleeson, the Commission voted 6-0-1 to approve the meeting minutes of October 27, 2022.

AYES: BROWN, BROWNSTONE, ICHINAGA, GLEESON, TAI, YALONIS

NOES: NONE

ABSTAIN: BLOFELD

Motion carried.

E. GENERAL BUSINESS

E.1 Building Reach Codes – Commissioner Brown

- Commissioner Brown provided a brief overview of the triennial California building code update process as it relates to the adoption of 'reach codes' (local requirements that exceed state building codes).
- In preparation for adoption of the 2022 building code (effective January 1, 2023), Marin County staff facilitated a collaborative process with jurisdiction staff, community organizations, and building industry professionals throughout 2022 to draft three model reach codes. The intent of the reach codes is to reduce greenhouse gas emissions from both the building and transportation sectors, the two largest sources of emissions in Marin County.
- The three model codes focus on new construction, remodels of existing buildings, and electric vehicle charging requirements and are consistent with recommendations outlined in the June 2022 Marin Civil Grand Jury Report entitled "Electrifying Marin's Buildings: A Countywide Approach".
- The Council briefly discussed the Countywide reach code development process at their meeting held July 12, 2022 (as part of a presentation on Building Department process improvements) and indicated that they were not supportive of adopting the reach codes given the deadline to adopt the new building code by the end of the year.
- On November 15, 2022, the City Council held a public hearing to introduce an ordinance adopting the 2022 Building Standards Code without reach codes.
- Commissioner Brown expressed concern that the City Council did not receive a
 presentation on the model reach codes (unlike other Marin jurisdictions) as part of the
 building code adoption process and suggested that the Sustainability Commission host
 a study session on reach codes at a future meeting.

Public Comment

Silke Valentine

Upon a motion of Commissioner Blofeld and second by Commissioner Yalonis, the Commission voted 7-0 to host a study session with a panel of experts on building reach codes at a future Sustainability Commission meeting.

AYES: BLOFELD, BROWN, BROWNSTONE, GLEESON, ICHINAGA, TAI, YALONIS NOES: NONE

Motion carried.

Upon a motion of Commissioner Yalonis and second by Commissioner Tai, the Commission voted 7-0 to establish a subcommittee comprised of Commissioners

Page | 2 Phone No. (415) 899-8900 novato.org Fax No. (415) 899-8213 Blofeld, Brown, and Yalonis to work with staff to develop and agendize a study session on building reach codes.

AYES: BLOFELD, BROWN, BROWNSTONE, GLEESON, ICHINAGA, TAI, YALONIS **NOES: NONE**

Motion carried

E.2 Electric Vehicle Acceleration Strategy - Christine O'Rourke, MCEP Sustainability Coordinator

- O'Rourke provided a presentation on the countywide Electric Vehicle Acceleration Strategy (PowerPoint attached), which is being funded by the Transportation Authority of Marin and is currently out for public review.
- O'Rourke invited Commissioners to provide comment on the *Strategy* and noted that the intent is to finalize the document by the end of 2023.
- Presentation of the Strategy to Marin's City and Town Councils will commence in latewinter/early spring 2023.

E.3 Commission Workplan - Gretchen Schubeck, Sustainability Coordinator

- The development and submission of a workplan is a requirement of all Council Commissions. Committees, and Boards.
- Schubeck presented a draft workplan to guide the work of the Commission for the remainder of the fiscal year (through June 30, 2022).
- Commissioners expressed support for adoption of the workplan but requested that it be amended to note that the workplan is subject to change should urgent issues arise.

Upon a motion of Commissioner Yalonis and second by Commissioner Brown, the Commission voted 7-0 to adopt the Sustainability Commission Workplan for FY 2022-23, as amended.

AYES: BLOFELD, BROWN, BROWNSTONE, GLEESON, ICHINAGA, TAI, YALONIS NOES: NONE

Motion carried

E.4 **COMMISSION MEETING DATES**

- Proposed Commission meeting dates for 2023 are 1/19, 2/16, 3/16, 4/20, 5/18, 6/15, 7/20, 8/17, 9/21, 10/19, 11/16, and 12/14.
- Although the Commission is only required to meet every other month starting in July 2023. Commissioners will hold the monthly dates should a meeting be required.

Upon a motion of Commissioner Gleeson and second by Commissioner Ichinaga, the Commission voted 7-0 to approve the Sustainability Commission meeting dates for 2023.

AYES: BLOFELD, BROWN, BROWNSTONE, GLEESON, ICHINAGA, TAI, YALONIS **NOES: NONE**

Motion carried

Phone No. (415) 899-8900 Page | 3 Fax No. (415) 899-8213 novato.org

F. COMMISSIONER AND STAFF LIAISON REPORTS

F.1 Commissioner Report

- Commissioner Brown noted that the Town of Corte Madera has recently hired a Climate Action and Adaptation Coordinator.
- Commissioner Yalonis invited Commissioners to the VenturePad Holiday Mixer on December 13, 2022 from 6-8pm
- Commissioner Tai noted that the EPA is seeking public comment on a range of issues related to Inflation Reduction Act funding. Deadline is December 5, 2022, and Tai will forward the information to Schubeck to forward on the Commissioners.

F.2 Staff Liaison Reports

None

G. ADJOURNMENT

Upon a motion by Commissioner Gleeson and second by Commissioner Brownstone, the Commission voted 7-0 to adjourn the meeting at 7:50pm

AYES: BLOFELD, BROWN, BROWNSTONE, ICHINAGA, GLEESON, TAI, YALONIS

NOES: NONE

Motion carried.

Page | 4 Phone No. (415) 899-8900 novato.org Fax No. (415) 899-8213



Marin Countywide EV Acceleration Strategy

September 2022

MARIN COUNTYWIDE EV ACCLERATION STRATEGY

- Created by the Marin Climate Energy Partnership
- Funded through TAM's Alternative Fuel Program
- Goal is to accelerate EV adoption to meet targets set in each jurisdiction's Climate Action Plan
- Intent is to develop a plan that can be accepted/adopted by all jurisdictions



PROCESS TO CREATE THE EV ACCELERATION STRATEGY

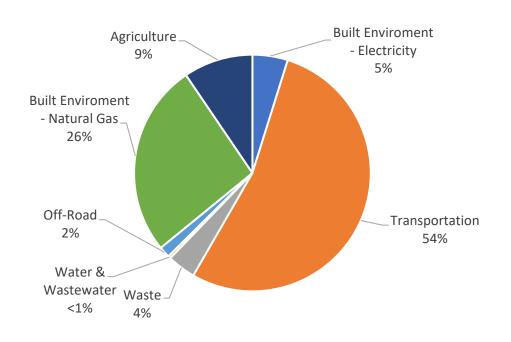
- MCEP subcommittee formed
- Guiding Principles developed
- Outreach conducted to stakeholders (jurisdictions' staff, community leaders, nonprofits, State agencies) to understand barriers and challenges to widespread EV adoption
- Reviewed other agencies' plans and guidance from regional and State agencies

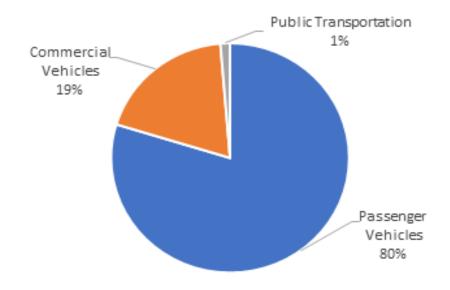


GUIDING PRINCIPLES

- Align with and support local climate action plans.
- Provide equitable access to EV programs and strive for equitable outcomes.
- Coordinate countywide for consistency, efficiency, and cost-effectiveness of program implementation.
- Track and measure progress of EV Strategy actions and adoption rates.
- Strive to capture local economic co-benefits whenever possible.
- Focus government actions on those that most efficiently utilize public funds and resources.
- Leverage regional, state, and federal funds to support EV deployment in Marin County.
- Support acceleration of EV sales and charger installation by the private market.

EXISTING CONDITIONS: GHG EMISSIONS (2020 Data)

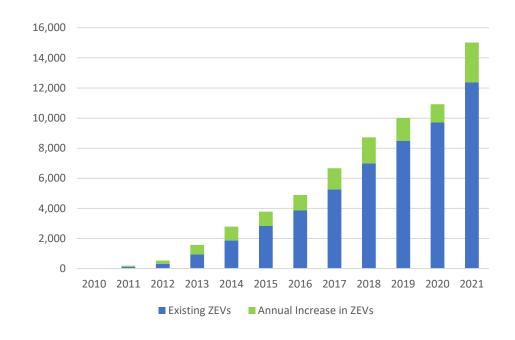




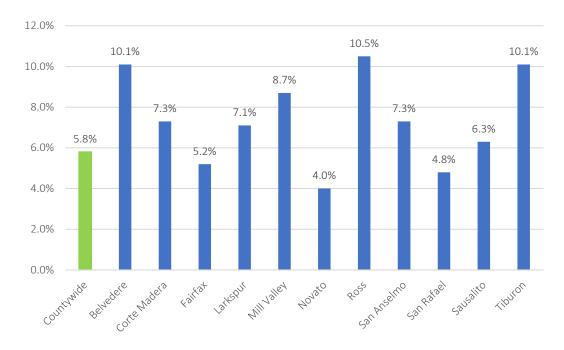
 Countywide, emissions from the Transportation sector is responsible for more than half of community emissions (2020 data)

- Passenger vehicles are responsible for 80% of transportation emissions
- Reducing emissions from passenger vehicles is critical to meeting local and state emissions reduction goals

EXISTING CONDITIONS: ZEV ADOPTION



- 12,369 ZEVs in Marin at the end of 2021
- ZEVs include battery electric (68%), plug-in hybrid (32%), and fuel cell electric vehicles <1%)



- Countywide, 5.8% of registered passenger vehicles are ZEVs
- Statewide, 2.8% of registered passenger vehicles are ZEVs

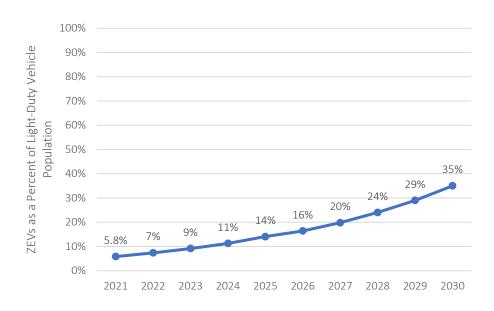
GHG REDUCTION AND ZEV TARGETS

Jurisdiction	GHG Reduction Goal for 2030	ZEV registrations as % of total passenger vehicle registration by 2030
City of Belvedere	40% below 1990 level	35%
Town of Corte Madera	40% below 1990 level	25%
Town of Fairfax	Zero emissions	100%
City of Larkspur	40% below 1990 level	33%
County of Marin	40% below 1990 level (mitigation only)	45%
City of Mill Valley	47% below 1990 level	35%
Town of San Anselmo	45% below 1990 level	25%*
City of San Rafael	40% below 1990 level	25%
City of Sausalito	40% below 1990 level	30%
Town of Tiburon	50% below 1990 level	45%

^{*}The Town of San Anselmo has also adopted a local target of 3,000 ZEVs registered in San Anselmo by 2030.

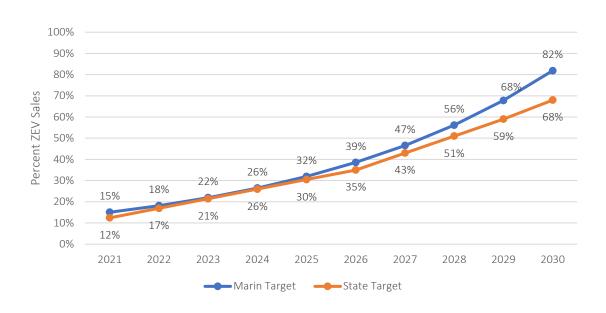
ZEV REGISTRATIONS AND SALES NEEDED TO MEET TARGETS

Projected Marin ZEV Population for 35% Target



- Annual growth rate has averaged 21% over past 3 years
- Need to sustain 21% annual growth rate to get to 35% adoption rate by 2030

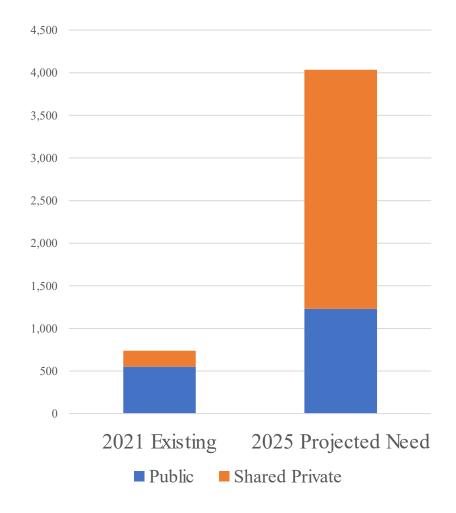
Percent New ZEV Registrations vs. State New Sales Targets



- Advanced Clean Cars II Rule sets annual ZEV sales targets beginning in 2026 to achieve 100% ZEVs by 2035
- To achieve a 35% adoption rate by 2030, new ZEV registrations must exceed State targets

EV CHARGING NEEDS

- According to California Energy Commission data, there are 739 public (75%) and shared private (25%) chargers in Marin
- The number of single-family home chargers is undoubtedly much higher.
- 71% of housing units in Marin are single family home
- Greatest need is for shared private chargers in multifamily buildings and at workplaces
- Opportunity to ensure new multifamily buildings are ready for an all-electric future



EV CHARGING NEEDS

- TAM's Marin County Electric Vehicle Charging Station Siting Plan (2019)
- Level 2 chargers needed:
 - Southern Marin, especially TAM junction, Mill Valley, Strawberry
 - Frontage roads next to Highway 101
 - Shopping centers
 - School parking lots
 - SMART stations
 - Ferry terminals
 - Park and ride lots
 - Marin City and Canal Neighborhood to support equitable EV access and adoption
- Level 3 chargers needed:
 - Terra Linda, downtown San Rafael, downtown Novato, Sausalito, Point Reyes Station, Larkspur/Corte Madera, Mill Valley

MUNICIPAL FLEETS

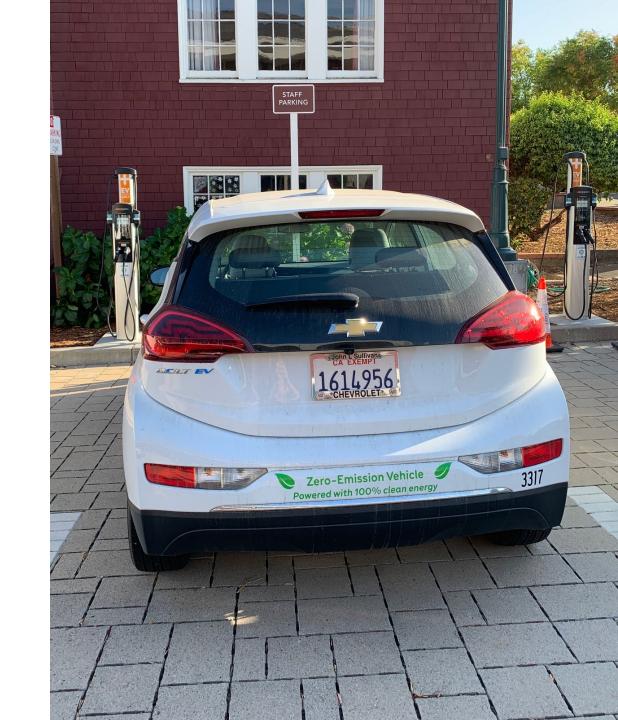
Jurisdiction	BEVs	
City of Belvedere	2 passenger cars and 1 e-bike	
Town of Corte Madera	3 passenger cars and 1 e-bike	
County of Marin	13 passenger cars	
City of Larkspur	2 passenger cars	
City of Mill Valley	6 passenger cars and electric utility carts	
City of Novato	3 passenger cars and 5 e-bikes	
Town of Ross	1 passenger car	
Town of San Anselmo	3 passenger cars and 2 e-bikes	
City of San Rafael	1 parking buggy, 1 utility vehicle, and 4 e-bikes	
City of Sausalito	None	
Town of Tiburon	3 passenger cars, 1 e-bike, and 1 utility cart	

BARRIERS TO EV ADOPTION

Vehicle Technology	 EV range Battery degradation (especially in the used EV market) Lack of diversity in vehicle types (light/heavy duty trucks, police pursuit vehicles) and price points Lack of vehicle availability
Charging	 Not enough publicly accessible charging locations, both Level 2 and 3 Cost to install chargers, especially for trenching and getting electricity to site Low grid capacity or connectivity in certain locations Not enough wayfinding signage for EV charging locations Difficult to retrofit existing multi-family buildings for EV chargers and lack of parking spaces for EVs EV charging cost allocation to residents at multi-family buildings can be complicated with electricity meters Cost and effort to upgrade electrical panel/install Level 2 charger at home Reliability of public chargers
Economics	 Higher initial purchase or lease price of EVs compared to internal combustion engine vehicles Complicated incentives (vehicles and EV chargers) Revenue from public EV chargers does not cover cost of subscription, maintenance, electricity, and depreciation
Perceptions and Behavior	 Misinformation about EV models, range, charging, etc. Resistance to change/fear of the unknown Lack of EV knowledge at car dealerships Lack of knowledge about best times to charge

EV STRATEGY'S ACTIONS

- 35 actions in four areas
- Expectation is that jurisdictions to identify and prioritize specific actions for implementation and provides a sample workplan for this purpose
- Sample Workplan provided in the appendix for this purpose



EV STRATEGY'S ACTIONS

Conduct Robust Community Outreach and Education (4 actions)

- Conduct/support marketing campaigns
- Promote rebates and incentives

Accelerate Public Charging Infrastructure (15 actions)

- Develop a model reach code
- Capital Improvement Plans
- Municipal investment in frequently used properties (community centers, near multifamily buildings)
- E-Bike facilities

EV STRATEGY'S ACTIONS

- Increase Municipal Fleet Electrification (11actions)
 - Fleet replacement strategies
 - Goal to convert to 100% of fleet to EVs by 2030
 - Promote chargers
- Support and Advocate for Policy and Funding that Accelerates EV Adoption (5 actions)
 - Additional funding for municipal needs
 - Support equity priority communities

NEXT STEPS

- Seeking input from community groups and Climate Action Committees this fall
- MarinClimate.org
 https://marinclimate.org/wp-content/uploads/2022/08/Marin-Countywide-EV-Acceleration-Strategy-Pubic-Review-Draft-08-04-22.pdf
- Revise the Strategy
- Bring to city and town councils for acceptance this winter





Marin Countywide EV Acceleration Strategy

September 2022



MARIN COUNTY REACH CODE

- Single family, two-family, townhomes with private garages, and ADUs with dedicated parking: one EV ready space.
- Multifamily: 85% of parking spaces are EV ready with low power Level 2 receptacles, and the remaining 15% of parking spaces must have Level 2 EV chargers installed.
- Hotels and motels: 35% of the parking spaces must be EV ready with low power Level 2 receptacles; 10% must be EV capable; and 10% must have level 2 EV chargers installed.



Sustainability Commission

Fiscal Year 2022-23 Workplan



OVERVIEW

The Sustainability Commission (the Commission) was established by the City Council in March 2022 and Commissioners were appointed in May 2022. The first meeting of the Commission was held in July 2022 and during its establishment year, the Commission will hold monthly meetings. Commission meeting agendas and minutes can be found at novato.org/agendas.

The purpose of the Commission is to serve as an advisory body to the City Council on matters related to reducing greenhouse gas emissions, sea level rise, and other environmental issues including but not limited to, wildfire, tree preservation/replacement, resiliency, and adaptation to climate change.

Commissioner duties include:

- a) Contributing to the development of an updated Climate Change Action Plan for Council approval.
- b) Monitoring and reporting to the Council on the implementation of the Council-adopted Climate Change Action Plan.
- c) Recommending priority sustainability, sea level rise, environmental protection and other environmental issues, and climate-related policies and programs for City Operations and the community at large to the City Council for consideration.
- d) Reviewing the annual Sustainability Program workplan and suggest modifications, as needed. Monitoring, evaluating, and communicating progress toward achieving sustainability and climate-related goals.
- e) Identifying funding opportunities to support implementation of sustainability, sea level rise, environmental protection and other environmental issues, tree preservation/replacement and climate-related priorities, including leveraging regional funding to achieve shared objectives. Advocating for policies and programs that protect the environment, reduce greenhouse gas emissions, and support climate adaptation as part of Council's annual planning, goal setting, and budgeting processes.
- f) Facilitate regular community engagement on sustainability and climate-related initiatives.
- g) Mobilize community action to reduce greenhouse gas emissions by supporting education and outreach efforts.
- h) Identify priority sustainability actions to reduce greenhouse gas emissions in City operations and the Novato community to implement actions that address the challenge of our changing climate.

Name	Term Expiration
Tim Blofeld	October 31, 2025
Nicole Tai	October 31, 2025
Bob Brown	October 31, 2024
Kolby Gleeson	October 31, 2024
Chris Yalonis	October 31, 2024
Zachary Brownstone, Student Commissioner	June 30, 2023
Bryn Ichinaga, Student Commissioner	June 30, 2023

The City's Commission, Committee, and Board Member Handbook requires that: "Each year, the Commissions, Committees, and Boards and shall develop a work plan which contains their goals and objectives for the coming fiscal year. This work plan shall be transmitted to the City Council."

The Commission respectfully submits the following workplan for fiscal year 2022-23 to the Novato City Council. Should unanticipated or urgent matters arise that are not currently articulated in the workplan, the Commission will amend the workplan accordingly.

Goals | Objectives | Outcomes

GOAL 1 - Contribute to the development of an updated Climate Action Plan.

Objectives

- a) Work with staff to confirm timeline for Climate Action Plan update using model Marin Climate and Energy Partnership Climate Action Plan as a template.
- b) Assist with prioritization and gap analysis of General Plan 2035 sustainability and climate-related goals, policies, programs, and measures to inform Climate Action Plan update.
- c) Provide input on community engagement planning and participate in community workshops related to Climate Action Plan update.

Outcomes

- Community workshops held to seek input on Climate Action Plan update.
- Progress report for City Council on Climate Action Plan Update finalized.

GOAL 2 - Identify and recommend priority sustainability actions to reduce greenhouse gas emissions to the City Council for consideration.

Objectives

- a) Identify and evaluate prioritization tools for sustainability and climate actions.
- b) Using confirmed tool from 2a) above, identify priority sustainability actions from General Plan 2035, the 2020 Novato Greenhouse Gas Emission Inventory, and Novato Strategic Plan 2021-2023.
- c) Present and advocate for recommended priority sustainability actions to City Council as part of the 2023 planning, goal setting, and budgeting processes.

Outcome

• Priority sustainability and climate actions confirmed.

GOAL 3 - Monitor, evaluate, and communicate progress toward achieving sustainability and climate-related goals.

Objectives

- a) Provide input on data to be included in Sustainability Dashboard.
- b) Provide feedback on 2021 Greenhouse Gas Emissions Inventory.
- c) Prepare annual report for the City Council.

Outcome

Annual Report to City Council finalized.

GOAL 4 - Facilitate community engagement on sustainability and climate-related initiatives.

Objectives

- a) Work with staff to identify community partners and stakeholders (community organizations, faith-based groups, public agencies, community leaders, businesses, etc.) and document current level of engagement on sustainability/climate-related initiatives.
- b) Identify 'easy wins and explore initiative development opportunities to increase community engagement.
- c) Provide input to staff on community outreach and education strategies.

Outcomes

- Level of engagement and opportunities for increased collaboration with community partners and stakeholders identified and documented.
- Initiatives identified to facilitate community action on 'easy wins'.
- Opportunities identified for increased collaboration.

Fiscal Year 2022-23 Commission Meetings

Date	Agenda Items
07/21/2022	Commissioner Introductions
	Brown Act Training

08/18/2022	 General Plan Overview 2020 Greenhouse Gas Inventory Single-Use Foodware Ordinance 	
09/29/2022	 NMCS Climate Action Coordinator Introduction Regional Gas Station Regulations and Potential for Novato Action Workplan Discussion 	
10/27/2022	Meeting Cancelled	
11/17/2022	 Building Reach Codes EV Acceleration Strategy FY 2022-23 Workplan Review and Adoption 2023 Commission Meeting Dates 	
12/15/2022	 Single-Use Foodware Ordinance MCE Presentation Sustainability and Climate Action Prioritization Tools Sustainability Dashboard Data Presentation 	
01/19/2023	 Building Reach Codes Study Session Community Partners and Stakeholders Assessment Sustainability and Climate Action Analysis and Prioritization 	
02/16/2023	 Community Engagement and Collaboration Strategies 'Easy Wins' and Initiative Options Climate Action Plan Development Timeline Sustainability and Climate Action Analysis and Prioritization 	
Early March	Climate Action Plan - Community Workshop (Special Meeting)	
03/16/2023	 Review Outcomes from Climate Action Plan Community Workshop Sustainability and Climate Action Analysis and Prioritization 	
04/20/2023	Sustainability and Climate Action Priorities2021 Greenhouse Gas Inventory	
Early May	Climate Action Plan - Community Workshop (Special Meeting)	
05/18/2023	 Review Outcomes from Climate Action Plan Community Workshop Climate Action Plan Development Timeline Update FY 2023-24 Workplan Discussion 	
06/15/2023	 Review and Adopt FY 2023-24 Workplan Review Draft Annual Report 	