



# ICARP

INTEGRATED CLIMATE ADAPTATION & RESILIENCY PROGRAM

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## Technical Advisory Council Quarterly Meeting Meeting Minutes

June 30, 2023 | Zoom Video Conference | 9:30 AM – 2:20 PM

[Public Agenda](#)

[Meeting presentation](#)

### Item 1 | Welcome and Roll Call

Chair Saharnaz Mirzazad introduced the meeting with a land acknowledgement and noted that Sacramento, California is on ancestral Nisenan Tribal Land. She remarked that a land acknowledgement is a formal statement that recognizes and respects Native Americans as traditional stewards of this land and the enduring relationship that exists between Native American tribes and their traditional territories.

Chair Saharnaz Mirzazad began the meeting by recognizing Gloria Walton, the inaugural recipient of Time Magazine's CO2 Earth Awards, which recognizes her leadership and influence in combating the climate crisis.

Gloria Walton expressed her happiness and gratitude for the recognition she received from Time magazine, which highlights the attention major platforms are giving to marginalized communities. Walton emphasized the importance of organizing, particularly in light of recent Supreme Court decisions, and acknowledged that she is a representation of the collective efforts of activists worldwide. She communicated the need for unity and vigilance in standing up for impacted communities and disrupting the status quo and expressed hope for a more inclusive and equitable future.

Several TAC members congratulated Walton on this achievement.

#### Today's agenda:

- Item 1: Welcome & Roll Call
- Item 2: Approval of Draft Meeting Minutes
- Item 3: State Agency Report Out
- Item 4: Bagley-Keene Overview
- Item 5: ICARP Programmatic Updates
- Item 6: Clearinghouse & Cal-Adapt User Needs Assessment Results
- Item 7: Community Economic Resilience Fund
- Item 8: Disaster Resilience & Recovery Planning Panel

- Item 9: General Public Comment
- Item 10: Closing and Meeting Adjourned

**Technical Advisory Council (TAC) Members Present (20):**

Jacob Alvarez, City of Coachella

Veronica Beaty, California Coalition for Rural Housing

Nathan Bengsston, Pacific Gas & Electric (PG&E)

Allison Brooks, Bay Area Regional Collaborative

Kim Clark, Southern California Association of Governments (SCAG)

Shereen D'Souza, California Environmental Protection Agency (CalEPA)

Alex Ghenis, Sustain Our Abilities

Jenn Phillips, California Natural Resources Agency (CNRA)

Virginia Jameson, California Department of Food and Agriculture (CDFA)

Denise Kadara, Allensworth Progressive Association

Saharnaz Mirzazad (Chair), Governor's Office of Planning & Research (OPR)

Sona Mohnot, Greenlining Institute

Lori Nezhura, Governor's Office of Emergency Services (CalOES)

Jonathan Parfrey, Climate Resolve

Michelle Passero, The Nature Conservancy

Rohan Radhakrishna (Linda Helland), California Department of Public Health (CDPH)/California Health & Human Services Agency (CalHHS)

Roberto Carlos Torres, Institute for Local Government

Gloria Walton, The Solutions Project

John Wentworth, Town of Mammoth Lakes

Wilma Wooten, County of San Diego

**Absent (4):**

Grant Davis, Sonoma County Water Agency

Jana Ganion, Blue Lake Rancheria

David Loya, City of Arcata

Darwin Moosavi, California State Transportation Agency

## Item 2 | Approval of Draft Meeting Minutes

Allison Brooks noted that there was an article highlighting the fact that the state of New Jersey is the only state in the United States that has built a curriculum around climate change into the public school system. She noted that this is something she would love to see a discussion about and sees an opportunity to integrate in California.

Sloane Viola noted that Staff would follow up to explore this further.

### Public Comment

None.

### Action

Gloria Walton moved to approve the April 14<sup>th</sup>, 2023 meeting minutes, with a second from Allison Brooks.

The TAC voted to approve TAC meeting minutes from April 14<sup>th</sup>, 2023, with 17 ayes, 0 noes, and 3 abstaining.

Aye: Nathan Bengtsson, Allison Brooks, Kim Clark, Shereen D'Souza, Alex Ghenis, Jenn Phillips, Virginia Jameson, Denise Kadara, Saharnaz Mirzazad, Sona Mohnot, Lori Nezhura, Jonathan Parfrey, Rohan Radhakrishna, Roberto Carlos Torres, Gloria Walton, John Wentworth, Wilma Wooten

Abstain: Jacob Alvarez, Veronica Beaty, Michelle Passero

*Minutes approved.*

## Item 3 | State Agency Report Out

Jenn Phillips provided an update for the California Natural Resources Agency (CNRA). She began with budget updates for CNRA's climate package, stating that 95% of the package was protected in the final agreement, amounting to \$51.4 billion. She then outlined specific investments within the package, including funds for drought and water resilience, wildfire and forest resilience, climate resilience, and energy. She expressed excitement about collaborating with various departments and agencies to implement these investments. Ms. Phillips also highlighted a request for research proposals related to [climate change impacts](#) and a new [carbon sequestration and climate resiliency registry](#), both of which are open for feedback. Additionally, she mentioned the public comment period for the ["Outdoors for All" strategy](#) aimed at expanding access to parks and outdoor spaces.

Shereen D'Souza provided an update for the California Environmental Protection Agency (CalEPA). She mentioned that there are still some uncertainties regarding aspects of CalEPA's budget, particularly related to the greenhouse gas reduction fund. She highlighted the progress of the Office of Environmental Health Hazard Assessments in implementing

the extreme heat ranking system, in collaboration with various organizations and invited engagement with this initiative. Additionally, she mentioned the water board's efforts to promote conservation as a long-term approach, recognizing the unpredictable nature of droughts and the need for shifting conversations, incentive programs, and regulations to address ongoing drought conditions in the coming years.

Rohan Radhakrishna provided an update on behalf of California Health & Human Services Agency (CalHHS). He mentioned CalHHS's ongoing work to support the Governor's Executive Order on access and equity, including promoting climate resiliency. CalHHS has been involved in defining and refining standards for data collection by race, ethnicity, sexual orientation, and gender identity. Recognizing the impact of climate hazards throughout the year, CalHHS has collaborated with farmworker advocates and rural community groups to connect them with state funds and programs. He shared a [disaster assistance resource guide](#) developed in collaboration with the Office of Emergency Services and highlighted the efforts of the Department of Public Health in putting together an outline for a report on climate-related health equity outcomes. The report aims to inform government entities of the potential impact of climate change on public health outcomes and propose strategies to advance health and racial equity while reducing emissions and building resilience. Mr. Radhakrishna also referenced a virtual tribal climate and health funding fair and provided updates on hiring, data analysis, heat action planning, and social media posts to [raise awareness about the health impacts of extreme heat](#).

Virginia Jameson provided an update from the California Department of Food and Agriculture (CDFA). She shared how approximately \$5.5M in funding was restored for the urban agriculture program, which CDFA is just launching. An additional \$5M was allocated for the underserved and small producers programs, which will be for drought and flood relief focused on socially disadvantaged farmers, ranchers, and small producers. An additional \$5M was allocated for a new organic transition program, extending it into a second year. She shared about an additional \$50 million allocated for the healthy soils program to help make California's farms and ranches more resilient. Finally, the farm to school program retained a total of \$60 million. Ms. Jameson then spoke about an upcoming report on below-ground biodiversity and its integral role in sustaining agricultural systems in the face of climate change.

Jacob Alvarez discussed his work during the pandemic, which was focused on distributing harvest boxes to schools to address potential food shortages. He also expressed excitement about CDFA's report on below-ground biodiversity and spoke to the importance of communicating the impacts of land destruction on the biodiversity. Finally, he highlighted the impact of the Salton Sea drying up on earthquake patterns.

JR DeLaRosa provided an update on behalf of the Governor's Office of Emergency Services (CalOES). He started off by inviting interested individuals to reach out to him and Lori for more information on FEMA grant opportunities and deadlines, including the Building Resilient Infrastructure and Communities program and the Flood Mitigation Assistance program. He emphasized their efforts in preventing floods in response to atmospheric rivers, winter storms, and snowmelt, with a dedicated team analyzing both long-term data

and real-time information. They aim to operationalize their approach in dealing with climate change during disasters and plan to share their lessons learned with others.

Nathan Bengsston shared how PG&E has been actively responding to the Tulare flooding situation, mentioning that a significant issue that has arisen is the strength of third-party water management infrastructure, both in terms of coordination and the reliability of existing infrastructure. He asked if this is part of the ongoing continuous improvement conversation.

JR DeLaRosa confirmed that the quality of infrastructure will be included as one critical element. He added that another issue that arose was a lack of real-time data on stream flows in some areas, creating blind spots.

Nathan Bengsston mentioned that PG&E was very gratified to have gone through the FEMA Bridge Grant process and would be more than happy to share about their experience with anyone who is interested.

Jonathan Parfrey brought up the importance of SB 867 and articulated that the resilience community should weigh in on this measure. While it allocates money for many critical issues, it includes a comparatively small allocation for extreme heat, which disproportionately impacts the most marginalized.

Jacob Alvarez shared that the Coachella Valley just received an excessive heat warning and spoke to his experience with heat warnings.

John Wentworth inquired about legal counsel regarding appropriate engagement with these bond measures.

Saharnaz Mirzazad said she would look into this further.

Denise Kadara spoke to how money is continuously used as a superficial solution for communities of color and the importance of real solutions in the communities that need it most.

## **Public Comment**

Mark Roest noted the potential for permaculture to mitigate the impact of droughts on agriculture and highlighted a small urban agriculture project in San Mateo.

## **Action**

None.

## **Item 4 | Bagley-Keene Overview**

Milad Dalju, Attorney General with the Department of Justice, provided an [overview of the requirements of the Bagley-Keene Open Meeting Act](#). He emphasized the decision to center consensus-building and public participation. He then discussed the types of multi-member bodies that are required to comply with Bagley-Keene, including state bodies created by statute or executive order, advisory bodies of state bodies, and bodies

delegated with decision-making authority. He explained that Bagley-Keene requires all meetings of state bodies to be open to the public. Bagley-Keene also prohibits serial meetings as they deprive the public of the opportunity to participate. He mentioned some exceptions to the open meeting requirement, such as briefings by council staff to one member at a time and conversations between members and non-members that are not part of a serial meeting. Mr. Dalju discussed the requirements for notice and agendas, as well as the rules for remote participation in teleconference meetings. He explained the rights of the public to attend meetings, provide public comment, and record the proceedings. He mentioned the requirements for providing records to members and the public, as well as the reporting of votes. He discussed the exceptions for closed sessions, particularly the pending litigation exception, and the procedural requirements that must be followed in closed sessions.

Wilma Wooten requested a brief overview of which requirements are changing.

Milad Dalju clarified that for the past three years, council members have had the option to participate in meetings remotely from their own homes or offices. However, in two days, the previous teleconference requirements will be reinstated. This means that for future meetings, members will only be able to participate remotely from locations that are open to the public. The addresses of the remote locations where council members participate must be included in the noticed agenda. One main physical location, typically where staff is present, must be designated, and at least one council member must participate from that primary location.

John Wentworth raised concerns about the carbon considerations of Council members and staff driving and flying to a meeting.

Jana Ganion echoed John Wentworth's point and advocated for making remote attendance a permanent option as a matter of equity.

Gloria Walton underscored the two previous comments.

Allison Brooks asked if the public can still participate from a remote location.

Milad Dalju clarified that members of the public are encouraged to participate both in person and electronically.

Allison Brooks asked if they should communicate the option of virtual public participation in the September meeting now.

Milad Dalju emphasized that members of the public must just know they have the option to come in in person, but that they can also encourage members of the public to connect to meetings virtually.

Allison Brooks communicated that she could offer her venue as a location from which members of the public could connect to a meeting.

Milad Dalju stated that an easy place from which members of the public can connect to a meeting is the lobby of a building and emphasized the importance of meeting ADA requirements.

Kim Clark underscored previous comments about equity and accessibility. She inquired if committee members connecting from a remote location need to make the agenda publicly available in advance.

Milad Dalju confirmed that the notice must include all the remote locations and that the noticed agenda must be posted in those locations.

Matt Reed, Staff Counsel for the Strategic Growth Council, spoke to his experience facilitating remote participation locations, offered guidance, and emphasized that it does represent a significant administrative burden.

Jennifer Holman, OPR Chief Counsel suggested revisiting compliance with Bagley-Keene after the Fall when they will know whether the bill to extend the special remote meeting procedures, SB 544, passes or not.

## Public Comment

No comment.

## Action

None.

## Item 5 | ICARP Programmatic Updates

Sloane Viola provided an update on ICARP's programmatic efforts. First, she introduced new staff. She shared some detail on projects under the Actionable Research and Resilience Metrics priority, including the Fifth Assessment's [Request for Proposal for Core Climate Research](#) and a Tribal Research Program Request for Proposals for tribally-led climate research. She then shared updates on ICARP's grant programs, noting that the Extreme Heat and Community Resilience Program concluded listening sessions to inform draft Guidelines and that the Regional Resilience Grant Program is accepting applications until August 29<sup>th</sup>. She also highlighted that the Vulnerable Communities Platform project, under the Climate Equity & Vulnerable Communities priority, had resumed.

Abby Edwards provided an update on the ICARP Adaptation Planning Grant program. The grant program aims to support communities in developing adaptation plans to address climate risks and strengthen resilience. In the first round, there was overwhelming demand for funding, and 13 projects were selected based on their alignment with program objectives and potential impact. Abby presented an overview of the selected projects, which focus on equity, collaboration, and tailored strategies to address climate impacts. She mentioned ongoing efforts to provide feedback and redirect projects to alternative funding sources.

Wilma Wooten inquired about resources and technical assistance for applications from smaller jurisdictions that might need more support.



Abby Edwards responded that for the second round of funding, ICARP will provide application technical assistance.

Michelle Passero inquired if staff had considered how to position the grantees for effective implementation.

Abby Edwards emphasized that this was a key consideration and that eligible activities included developing grants for federal funding, building this into the planning process.

Jonathan Parfrey commended ICARP's work and referred to [Climate Resolve's study of SB 379 implementation](#). He emphasized that the study shows the importance of engaging various agencies, tribes, and nonprofit organizations in the planning process.

John Wentworth asked if Abby Edwards could share some of the challenges that she saw in the applications.

Abby Edwards spoke to the question of how they can better support rural communities, the role of consultants and how they work on proposals, and the accessibility of tools and data.

Jacob Alvarez emphasized the importance of thinking about technical assistance, not just in applications, but also in the implementation phase.

### **Public Comment**

No comment.

### **Action**

None

## **Item 6 | Clearinghouse & Cal-Adapt User Needs Assessment Results**

Nikki Caravelli described the findings from the Cal-Adapt and Adaptation Clearinghouse User Needs Assessment. The assessment aimed to understand user experiences and improve the accessibility and integration of resources to optimize investments moving forward. The contractor identified four archetypes representing user personas: the risk resistor, the optimist opportunist, the community champion, and the barrier buster. She described how the assessment highlighted the need for more approachable and accessible content, streamlined navigation, and expert assistance for users. She identified funding challenges and the integration of funding information as important areas of focus. Finally, Caravelli concluded with next steps, including updating the Adaptation Clearinghouse and presenting detailed results at an upcoming meeting.

Kim Clark spoke to the usefulness of the Local Climate Change Snapshot and API tools.

Veronica Beaty stated that she appreciated the framework of the four user personas.



Wilma Wooten emphasized the value of the tools in providing information but also expressed the need for climate change resources that people can implement themselves.

Virginia Jameson spoke to worries about risk in the agriculture sector and emphasized the importance of this work for the food and agriculture sector.

Allison Brooks expressed that she would like to see more interpretation of the data in terms of emerging trends.

Michelle Passero asked about the messaging around adaptation and mitigation and their separation rather than integration.

Nikki Caravelli agreed with the comment about messaging and highlighted that the Adaptation Clearinghouse does include resources that adopt a more integrated approach.

Sloane Viola read a question from the chat regarding when the Fifth Assessment data will be integrated into Cal-Adapt, before sharing an [FAQ fact sheet](#) and clarifying that much of the data is already being integrated.

## Public Comment

Mark Roest proposed a knowledge base for designing sustainable economies, with a focus on California, that integrates information about the ecosystem and tribal knowledge. He proposed linking different databases and educational resources to provide a comprehensive resource accessible to the public for transitioning to a sustainable economy.

Michael Wolff, Senior Environmental Scientist at the Department of Food and Agriculture, emphasized that there are low hanging fruit, such as chill hour calculators, that would be relatively easy to implement. He inquired if the User Needs Assessment included agricultural stakeholders.

Nikki Caravelli expressed that she is fairly confident the User Needs Assessment did include agricultural stakeholders but would have to confirm.

Michael McCormick stated that ICARP and Cal-Adapt should focus more on creating more detailed vulnerability assessments to meet the requirements of SB 379, rather than just providing climate risk snapshots. This will then allow local governments to have the tools and data to conduct their own vulnerability assessments and support region-wide assessments.

## Action

None.

## Item 7 | Community Economic Resilience Fund

Mary Collins discussed the Community Economic Resilience Fund (CERF) program and its objectives, which include promoting regional economic resilience and sustainable growth, supporting inclusive planning, and aligning investments and priorities. She highlighted the need for a different approach to economic planning in California due to the diverse challenges faced by the state's economy. She then emphasized the importance of regional collaboration, inclusive planning, and aligning investments and priorities across different programs and funding sources. Ms. Collins described the CERF program, which consists of 13 collaboratives receiving \$5M each to establish regional planning tables and incorporate various factors like economic equity and climate resilience. She also mentioned the \$25M tribal program designed to support tribal planning efforts. Ms. Collins stressed the need to bridge planning with implementation and mentioned the Catalyst fund, which aims to support projects beyond development, such as conducting environmental impact analyses and negotiating community benefits agreements. She discussed the timeline and funding allocation for the Catalyst program (previously the Predevelopment fund), as well as its connection to overall CERF implementation. Ms. Collins shared a [link for the CERF mailing list](#) for participants who wish to receive updates from the program.

Michelle Passero asked how this effort complements other climate resilience and climate action plans in the region.

Mary Collins acknowledged the challenge of crossover of regional boundaries and emphasized the need for collaboration and sharing of research among different programs.

Virginia Jameson highlighted a project in the San Joaquin Valley that brings together key collaborators from diverse sectors to talk about how they can accelerate a transition to a net zero economy. She encouraged TAC to invite Karen Warner to present at a future meeting.

Jonathan Parfrey asked if OPR feels it is empowered to reject proposals that are not up to par for climate resilience and adaptation.

Mary Collins responded that OPR does feel empowered to reject proposals and that the use of scoring rubrics enables a fairer process.

Jonathan Parfrey shared that he has seen many proposals that are just existing plans with minor changes to align them with climate goals. He advocated for ensuring plans have a strong focus on climate.

Mary Collins responded that she agrees that this is a challenge and that OPR learned from the pilot program.

### Public Comment

Mark Roest shared about his work with a series of developing technologies that could accelerate the decarbonization process and empower people to reduce their expenses

through the conversion to electric vehicles and solar installations. He expressed that he would like to talk about this in more depth.

## Action

None.

## Item 8 | Disaster Resilience & Recovery Planning Panel

Clay Kerchof provided an update on behalf of the Department of Housing and Community Development (HCD). He spoke about the latest action plan amendment, which includes small grants awarded by the Department of Housing and Urban Development (HUD) to California. California received a total of \$24.4M from HUD and HUD prescribed how much should be allocated to disaster recovery and mitigation. He highlighted some of the challenges of this limited funding. He then articulated some of the financing barriers to multifamily housing projects and the resulting decision to prioritize single-family homes. He concluded by inviting public comment on the [draft Action Plan Amendment](#) through August 8.

Tracey Ferguson (AICP), Planning Director for Plumas County, provided an update on long-term recovery in Plumas County after the 2021 wildfires. She emphasized that housing is the greatest unmet need. She discussed short, medium, and long-term recovery efforts and the challenges they faced. She explained how various groups and partnerships were formed to address the impacts and prioritize projects, including infrastructure, economic development, and housing, then highlighted a draft recovery vision statement and the five top recovery values. She concluded the presentation by previewing recovery projects and plans for a recovery coordinator to oversee implementation and long-term progress.

Michael Maguire introduced the Wildfire Resilience and Recovery Planning Grants Program, a partnership between the Strategic Growth Council, the Department of Conservation and the Office of Planning and Research. He described how the program awarded unspent or returned Proposition 84 funds to four applicants for planning activities that support resilient recovery in communities affected by wildfires in California from 2017 to 2020. The four grantees, City of Ventura, Los Angeles County, Sonoma County, and the Town of Paradise, received varying amounts of funding and worked on projects such as updating climate action plans, developing wildfire safety programs, implementing forest resource ordinances, and updating general plans and housing elements.

Susan Hartman, a Community Development Director for the Town of Paradise, discussed how they utilized the Prop 84 funds for various projects after the devastating Camp Fire in 2018. Their objectives included updating the housing element, creating master accessory dwelling unit (ADU) plans, and implementing fire-smart landscape plans. The housing element update incorporated fire resiliency policies, while the master ADU plans focused on building fire-resistant homes. The fire-smart landscape plans aimed to ensure safe and appropriate landscaping practices. The projects had positive outcomes, such as providing a model for other jurisdictions, supporting grant applications, and engaging local organizations. She articulated how the project highlighted the need for flexibility and

creativity, partnering with specialized agencies, and utilizing online polling for feedback in virtual meetings.

Robert Aguero shared about Sonoma County's use of the Prop 84 grant to fund the development of a Forest Resource Ordinance. The project's goal was to develop a science-based planning policy and comprehensive ordinance for tree and forest resources to reduce greenhouse gas emissions, mitigate climate change impacts, promote climate resiliency, and implement the general plan. The county experienced several major destructive wildfire events from 2017 to 2020, leading to a focus on forest resources. Sonoma County has a significant amount of privately held forest land, and the project aimed to protect and enhance these resources through updated regulations. The project involved community engagement, stakeholder workshops, data analysis, and policy development. He described the next steps, which include finalizing the ordinance and seeking adoption by the Planning Commission and Board of Supervisors, followed by the development of an implementation plan.

Jennie Buckingham, a Senior Management Analyst in Housing Services for the City of Ventura, provided an overview of the city's Climate Action & Resilience Plan (CARP) as part of the wildfire recovery grant. The CARP serves as a guide for decision-making and long-term vision, focusing on both mitigation and adaptation strategies to address climate change. The plan includes actions to reduce greenhouse gas emissions, such as promoting low-carbon transportation and renewable energy, as well as measures to enhance resilience, including emergency management and preparation for sea-level rise and extreme heat. The city engaged the community through various in-person and virtual events and an online survey. The CARP was developed in conjunction with other city plans, fostering integrated planning and promoting sustainable infrastructure, climate mitigation, and social equity.

Cameron Robertson, a Senior Planner with the Los Angeles County Department of Regional Planning, presented phase one of the Integrated Wildfire Safety Program and Countywide Community Wildfire Protection Plan. The project was a collaboration between the County Planning and County Fire departments, with the assistance of a consultant. The program aims to address wildfire prevention and protection efforts at the neighborhood and countywide levels. It includes a wildfire risk assessment, a unified land management plan, and a community wildfire protection plan. The project conducted community engagement events, online surveys, and developed a crowdsourcing platform to gather input and identify potential wildfire risk reduction projects. In phase two, they will further engage with local communities and safety groups to develop project priorities. The project aims to enhance regional wildfire mitigation efforts, reduce local fire risk, and build planning and implementation capacity in vulnerable communities countywide.

Allison Brooks expressed her appreciation for the presentations provided by county leadership and communicated that these efforts should be lifted up as effective models to manage risk from hazards. In particular, she highlighted Robert Aguero's policy analysis in Sonoma County as particularly impressive.

Alex Ghenis recommended providing guidance for accessibility features in ADU predeveloped floorplans.

Veronica Beaty thanked everyone for their presentations and particularly thanked the Town of Paradise for their thinking on how more inclusive communities can be rebuilt.

Virginia Jameson expressed that she was struck by the groundwork laid out around managed retreat.

Kim Clark highlighted the use of innovative outreach techniques, such as crowdsourcing and polling.

Jana Ganion highlighted Tracey Ferguson's comments on the spirit of partnership between tribal nations and rural communities.

Saharnaz Mirzazad requested that the panelists respond to one of the discussion questions regarding what federal and state planning support has been the most helpful and what additional federal and state planning resources could be provided.

Cameron Robertson shared about his work with OPR on the ICARP case studies, which will serve as precedents for programs moving forward.

Susan Hartman expressed gratitude for OPR's support with developing a roadmap for dating the Town of Paradise's General Plan elements. She also highlighted support from CalFire as they worked on their safety element.

Saharnaz Mirzazad shared that OPR will be updating the General Plan guidelines this year and invited feedback.

Denise Kadara highlighted the importance of addressing legislative changes in communities affected by disasters such as floods and fires.

Kim Clark asked about the landscape plans in the Town of Paradise.

Susan Hartman emphasized the importance of considering drought-tolerant plants due to the history of droughts in their area and how their fire safe council was able to direct the consultant to relevant research to incorporate into the plans.

## **Public Comment**

Mark Roest shared about the value of ultrahigh performance concrete either for making a whole building or for making a sheath for the building. He also highlighted photovoltaic thin film and its efficiency for building integrated solar. He also expressed that they would like help getting funding.

## **Action**

None.

## **Item 9 | General Public Comment**

Mark Roest (Sustainable Energy Inc., San Mateo) discussed the concept of permaculture thinking. He proposed implementing permaculture methods as a form of terraforming, involving collaboration with tribes and permaculture experts to minimize environmental impact and maximize effectiveness. He mentioned that by emulating the knowledge and wisdom of indigenous tribes, it is possible to achieve resilience, adaptation, and mitigation simultaneously. He also mentioned the cooling effect of forests in the Rio Grande area and the potential for using advanced technologies to fabricate necessary components at lower costs.

## **Item 10 | Meeting Adjourned**

Meeting adjourned at 2:20pm.