



ICARP

INTEGRATED CLIMATE ADAPTATION & RESILIENCY PROGRAM

Technical Advisory Council June 30, 2023 Quarterly Meeting Staff Report

Table of Contents

1. Actionable Research and Resilience Metrics.....	3
California's Fifth Climate Change Assessment.....	3
Fifth Assessment Tribal Research Program	4
Science Advisory Group (SAG)	5
2. Decision Support Tools and Guidance	6
Adaptation Clearinghouse.....	6
Cal-Adapt	7
Planning and Investing for a Resilient California Guidebook Update	8
Climate Resilience Plan Alignment Toolkit.....	9
3. Building Partnerships and Leveraging Resources	10
Community Planning and Capacity Building Recovery Support Function	10
Community Development Block Grant – Mitigation (CDBG-MIT) Citizen Advisory Committee (CAC)	11
Resilience Planning and Insurance Working Group.....	12
4. Funding and Financing	13
FEMA Cooperative Technical Partners.....	13
Proposition 84 Wildfire Recovery and Resiliency Grants	14
ICARP Extreme Heat and Community Resilience Program.....	15
ICARP Adaptation Planning Grant Program.....	16
ICARP Regional Resilience Planning & Implementation Grant Program	17
5. Climate Equity and Vulnerable Communities.....	18
Vulnerable Communities Platform.....	18
6. Additional Special Initiatives	19
California Climate Adaptation Strategy.....	19
The California Extreme Heat Action Plan.....	20

ICARP Programmatic Priorities

With guidance from the Integrated Climate Adaptation and Resiliency Program (ICARP) Technical Advisory Council, and building on the 2023 ICARP Impact Report, ICARP staff implement a suite of programmatic priorities. Regular programmatic updates, organized by the following Council priorities, are summarized through these quarterly staff reports.

Actionable Research and Resilience Metrics

Grounding California's adaptation and resiliency policy in cutting-edge science is central to ICARP's charge. By identifying and contextualizing projected climate impacts through the CA Climate Change Assessments, supporting and guiding resilience metrics, and convening a Science Advisory Group, ICARP supports state and local efforts to operationalize actionable climate science.

Decision Support Tools and Guidance

ICARP develops and shares tools and guidance to support a community of practice on adaptation and resilience in California. Through the ICARP Climate Services Team, staff support integrated, science-based climate resilience decisions, planning, and implementation at all levels of governance, through tools like the [State Adaptation Clearinghouse](#).

Building Partnerships and Leveraging Resources

ICARP convenes stakeholders across agencies, sectors, and scales to build collaborative partnerships, facilitate integrated climate adaptation and resilience planning, and align funding opportunities. Through the Community Planning and Capacity Building – Recovery Support Function, ICARP staff provides technical assistance and helps communities integrate climate resilience and equity into disaster recovery planning.

Funding and Financing

ICARP's work to scale funding and financing for climate resilience includes supporting state agencies with the integration of climate considerations in existing state programs and investments, as well as making direct investments through multiple grant programs.

Climate Equity and Vulnerable Communities

Climate equity and a focus on vulnerable communities is a core mandate for ICARP, both statutorily and programmatically as defined in [ICARP's vision and principles](#). Building on the Council's leadership to define [Vulnerable Communities](#), and in response to stakeholder needs, ICARP continues to fill critical gaps by developing resources and tools that support equitable adaptation action.

Additional Special Initiatives

ICARP Staff and Council respond proactively to new and emerging issues and opportunities as they align with the ICARP core vision and principles. This includes building new partnerships and initiatives and providing guidance and support for partner efforts to respond in real time to local, regional, and state needs.

1. Actionable Research and Resilience Metrics

California's Fifth Climate Change Assessment

Staff Lead: [Neil Matouka](#) / [Elea Becker Lowe](#)

Background / Framing Context

Preparing California for the impacts of climate change requires detailed and accurate forecasts of their location, severity, and onset. At the direction of [SB 1320 \(Stern, 2020\)](#) and with funding from the [2021 Climate Budget](#), ICARP is coordinating the Fifth California Climate Change Assessment in partnership with the California Energy Commission, California Natural Resources Agency, Strategic Growth Council, and other expert and community partners. The Fifth Assessment will include the next generation of downscaled climate change projections and modeling, technical research reports, regional and topical synthesis reports, decision-support tools, and a first-of-its-kind tribal research program.

Summary of Major 2023 Deliverables

- Q1-Q4: Produce new climate data and scenarios that will inform hydrologic and wildfire modeling, and sea level rise projections.
- Q1-Q2: Launch original climate research funding opportunities, including a Core Climate Research Program, a new round of the Electric Program Investment Charge research grants program and the Tribal Research Grants Program.
- Ongoing: Robust community engagement to gather input on the scope of regional and statewide research products and embed equity in the State's climate research.

Updates for June 30 ICARP Meeting

- UC Berkeley's California Institute for Energy and Environment (CIEE), in partnership with the California Natural Resources Agency, released a Request for Proposal, for the Fifth Assessment's Core Climate Research. This research will address knowledge gaps related to the State's understanding of, and ability to adapt to, climate impacts.

Looking Ahead

- In Q3, the Fifth Assessment will hold in-person regional sessions in each of the nine Fourth Assessment regions to support the development of author teams for the regional reports.

Follow-ups for Council

- Councilmembers are invited to participate in and help promote the Fifth Assessment summer regional engagement; contact Neil Matouka (neil.matouka@opr.ca.gov).

Fifth Assessment Tribal Research Program

Staff Lead: [Patricia Kennedy](#)

Background/Framing Context

Indigenous communities are on the frontlines of those experiencing and adapting to climate change. Through the Fifth Assessment Tribal Research program, California is investing in tribally led climate change research initiatives throughout the Fifth Assessment products.

This program will:

- Engage with tribes early, often, and meaningfully throughout the Fifth Assessment, offering continued Government to Government Consultation.
- Support tribal led research and assessments focused on climate change goals as identified by the State and Tribes through a tribal grant program.
- Form a Tribal Advisory Group to guide the integration of traditional knowledge and tribal-led research into the State's Climate Assessment research portfolio.
- Support information sharing and learning amongst and within Tribes.
- Consider appropriate and respectful inclusion of Tribal Expertise and Traditional Knowledge(s) (TEK/TK) in the Fifth Assessment Products.

Summary of Major 2023 Deliverables

- Ongoing: Convene the Tribal Advisory Group.
- Q2: Release Final Grant Funding Opportunity of the Tribal Research Grant Program.
- Q4: Finalize Round 1 Grant Agreement and release Round 2 Draft Agreements.
- Q2-Q4: Launch community focused engagement to kick-off regional and tribal report scoping.
- Q4: Scoping and RFI process for TEK/TK and Tribal Synthesis Report.

Updates for June 30 ICARP Meeting

- ICARP has announced the membership of the Tribal Advisory Group.
- The Tribal Research Grant Program released a Request for Proposals.

Looking Ahead

- The team will spend the Summer and Fall scoping the Tribal Synthesis Report, collaborating with Tribes on Indigenous Knowledge, and tribes' involvement in regional reports.

Follow-ups for Council

- None at this time.

Science Advisory Group (SAG)

Staff Lead: [Ben McMahan](#)

Background / Framing Context

Actionable science is foundational to California's climate agenda and supports science-informed policies and investments to respond to accelerating climate impacts. While many state agencies have science advisory bodies that provide valuable, sector-specific guidance, there have been many calls to convene statewide and multi-sector science advisory bodies that provide consistent climate science guidance across state agencies and inform statewide climate adaptation and resilience decision making.

As the state's primary hub for coordination on adaptation and resiliency across local, regional, and state efforts, and with funding through the 2021 Climate Budget, ICARP will convene the ICARP Science Advisory Group (SAG) to promote alignment of the state's deployment of climate science in resilience planning, policy, and investments. The SAG will significantly advance ICARP's goal of providing relevant, actionable data and research to support robust climate adaptation and resilience planning and policy.

Summary of Major 2023 Deliverables

- Q1: Finalize SAG structure
- Q2: SAG recruitment based on feedback from Q1 TAC meeting
- Q3-Q4: Convene SAG
- Q4: Brief report on updated structure/orientation of SAG

Updates for June 30 ICARP Meeting

- Staff updated an inventory of existing working groups, and are reaching out to develop cadence and structure of connections across this network.

Looking Ahead

- In Q3, staff will finalize initial SAG coordination network and identify gaps and growth opportunities for future discussion.

Follow-ups for Council

- None at this time.

2. Decision Support Tools and Guidance

Adaptation Clearinghouse

Staff Lead: [Nikki Caravelli](#)

Background / Framing Context

ICARP's enabling statute, SB 246 (Wieckowski, 2015), charges ICARP with creating and managing a clearinghouse of climate adaptation information. The Adaptation Clearinghouse is the State of California's consolidated searchable database of resources for statewide, local, and regional climate adaptation planning and decision-making at [ResilientCA.org](#).

Summary of Major 2023 Deliverables

- Q2: Completed User Needs Assessment
- Q2: Completed city layer of the ResilientCA Adaptation Planning Map (RAP-Map)
- Q2: Executed two-year contract and initiation of two-year redevelopment plan.
- Ongoing: database quality control and updates.
- Q3: Updated online Coastal Compass.

Updates for June 30 ICARP Meeting

- As part of the User Needs Assessment, staff conducted a user study, including user interviews and prototype testing, for the Adaptation Clearinghouse.
- The User Needs Assessment contract ends June 30th. The contractor will provide key findings, recommendations, and resources to sustain user assessment activities.

Looking Ahead

- Building on the findings of the User Needs Assessment, the team is developing the scope of work for redeveloping the Clearinghouse beginning in Fall 2023.

Follow-ups for Council

- None at this time.

Cal-Adapt

Staff Lead: Ben McMahan / New Associate Planner, TBD

Background / Framing Context

Cal-Adapt is the State of California's open-source web platform for accessing high-quality, peer-reviewed downscaled climate data and projections. Currently, the web application accesses data from California's Fourth Climate Change Assessment and provides data visualizations, features, and tools for many local climate-related risks, including projected changes in sea level, wildfires, temperature, precipitation, snowpack, and more. These valued resources guide decisionmakers at state, regional, and local levels when planning for and implementing climate adaptation projects to promote resiliency to climate change.

With funding from the 2021 Climate Budget, the California Energy Commission (CEC) and OPR will expand Cal-Adapt into the Cal-Adapt Enterprise with new climate data from California's Fifth Climate Change Assessment that includes features for a broad range of stakeholders who need easily accessible data visualizations and tools, while also providing a more powerful analytics engine to serve highly technical, data-intensive needs. In coordination with the CEC, ICARP will oversee maintenance and development of interactive visualizations and tools for a broad base of users such as local and state decision makers and community-based organizations.

Summary of Major 2023 Deliverables

- Q1-2: User needs assessment activities to inform Cal-Adapt redevelopment priorities and strategic direction.
- Q2-3: Data visualization prototypes and architecture for revised Cal-Adapt visualizations.
- Q3-4: Develop/initiate development contract to update Cal-Adapt and integrate updated data visualizations.

Updates for June 30 ICARP Meeting

- As part of the User Needs Assessment, staff conducted a user study, including user interviews and prototype testing, for Cal-Adapt.
- The User Needs Assessment contract ends June 30th. The contractor will provide key findings, recommendations, and resources to sustain user assessment activities.

Looking Ahead

- The User Needs Assessment will inform the scope of work for the development contract for an update to Cal-Adapt, and identify priority areas for prototype visualization development.

Follow-ups for Council

- None at this time.

Planning and Investing for a Resilient California Guidebook Update

Staff Lead: – [Ben McMahan](#)

Background / Framing Context

[Executive Order N-19-19](#) calls for embedding physical climate risk into state investment decisions. Successful incorporation of physical climate risk into asset investment decisions requires the consistent application of climate science and downscaled risk projections into asset planning and investment processes. It further requires a similarly consistent decision-making framework to identify and prioritize climate adaptation actions.

To respond to EO-N-19-19, ICARP staff are updating the Planning and Investing for a Resilient California Guidebook ([Resilience Guidebook, 2017](#)), initially developed in response to [Executive Order B-30-15](#). Revisions will include updates to the foundational science that underpins the Resilience Guidebook, as well as updating the adaptation decision-making framework to incorporate discussion of adaptation pathways.

Summary of Major 2023 Deliverables

- Q1-Q2: Engage with agency collaborators regarding needs and gaps, and to identify priority areas for updates.
- Q3-Q4: Interagency coordination and updated strategy for an update to the Guidebook using Fifth Climate Assessment data and general use projections/guidance.

Updates for June 30 ICARP Meeting

- Staff reviewed the current guidebook and identified required content updates (new data, updated information, etc.).

Looking Ahead

- Staff will coordinate with agency points of contact (TAC, IRWG) to identify contributors for the update, and organize coordination meetings and opportunities for guidebook feedback in Q3-Q4.

Follow-ups for Council

- None at this time.

Climate Resilience Plan Alignment Toolkit

Staff Lead: [Nikki Caravelli](#) / Senior Planner, Coastal Resilience TBD

Background / Framing Context

ICARP Climate Services, in partnership with numerous local, regional, state, and federal partners, released the [Climate Resilience Plan Alignment Toolkit](#) in November 2022 on the Adaptation Clearinghouse. The toolkit is a suite of climate resilience plan alignment guides and supporting resources to support local climate resilience planning. The toolkit supports alignment of local and regional planning efforts, allowing planners and other practitioners to achieve climate resilience goals, reduce duplication, and avoid policy conflicts. Current guides focus on wildfire, flood-after-fire, and coastal hazard resilience, and summarize requirements and best practices, discuss strategies to leverage various planning and implementation processes, and identify alignment opportunities and tricky spots to avoid.

Summary of Major 2023 Deliverables

- Q3: Update and publish print and online version of the Coastal Compass
- Q3: Print and distribute plan alignment guide booklets
- Q3-Q4: Outreach and engagement activities

Updates for June 30 ICARP Meeting

- The Plan Alignment Advisory Group is finalizing interagency review of the draft Coastal Compass update.

Looking Ahead

- Staff aim to publish the Coastal Compass online on the Adaptation Clearinghouse by July 31, 2023.
- Staff aim to have printed booklets of all three guides to distribute by July 31, 2023.

Follow-ups for Council

- Councilmembers and interested members of the public can send a note to Nikki Caravelli (Nikki.caravelli@opr.ca.gov) with your mailing address to advance order printed booklets (please specify which guide(s) - wildfire, flood after fire, or coastal).

3. Building Partnerships and Leveraging Resources

Community Planning and Capacity Building Recovery Support Function

Staff Lead: Senior Planner, Wildfire Resilience and Recovery, TBD

Background / Framing Context

In partnership with Cal OES, OPR serves as the lead state agency on the Community Planning and Capacity Building Recovery Support Function (CPCB-RSF), which strengthens the adaptive capacity of local governments to plan for and implement long-term disaster resilience and recovery programs by coordinating information, technical assistance, and funding. OPR, through ICARP, works to integrate climate adaptation and resilience policies into hazard mitigation, emergency management, and disaster recovery programs. To extend the impact of the CPCB-RSF, the ICARP team will lead the development of a peer-to-peer learning network for disaster resilience and long-term recovery planning.

Summary of Major 2023 Deliverables

- Ongoing: Engage stakeholders from disaster-impacted and at-risk communities to solicit feedback on local planning and capacity needs for long-term disaster recovery and resilience.
- Ongoing: Convene local governments as part of Peer Learning Network to build a cohort of disaster-impacted and at-risk communities, accelerate information exchange, and connect communities to funding opportunities.

Updates for June 30 ICARP Meeting

- None at this time.

Looking Ahead

- Staff will re-convene the Peer Learning Network and resume roundtable convenings once the Senior Planner position is filled.

Follow-ups for Council

- None at this time.

Community Development Block Grant – Mitigation (CDBG-MIT) Citizen Advisory Committee (CAC)

Staff Lead: Senior Planner, Wildfire Resilience and Recovery TBD

Background / Framing Context

With support from the ICARP TAC, OPR signed an MOU with HCD on August 19, 2021 to enable the ICARP TAC to serve as the Citizen Advisory Committee (CAC) for the 2017/2018 Community Development Block Grant Mitigation (CDBG-MIT) grant program. CDBG-MIT is a federal program that funds planning and infrastructure projects that reduce disaster risks and promote community resilience in disaster-impacted communities. HUD requires state grantees to convene a CAC to promote transparency and engage stakeholders on how to use and implement these one-time community hazard mitigation funds. The CAC represents an opportunity for dialogue with agencies, grantees, and external stakeholders to inform program implementation and align the program guidelines other state hazard mitigation funding sources, including those administered by Cal OES and CAL FIRE.

Summary of Major 2023 Deliverables

- Q2 & Q4: Convene the Citizen Advisory Committee to provide feedback on CDBG-MIT.

Updates for June 30 ICARP Meeting

- The Q2 TAC meeting will feature a discussion of Plumas County's recovery efforts through CDBG and CDNG-DR, which will emphasize data and information needs to support long-term recovery planning.

Looking Ahead

- No updates anticipated at this time.

Follow-ups for Council

- None at this time.

Resilience Planning and Insurance Working Group

Staff Lead: [Braden Kay](#)

Background / Framing Context

[SB 30](#) (Lara, 2018) created the CA Climate Insurance Working Group to explore innovative insurance strategies with the aim of reducing climate risk. Given the shared programmatic goals of reducing climate risk, ICARP and the California Department of Insurance (CDI) created a collaborative subgroup of the ICARP Council and the SB 30 Climate Insurance Working Group. In Spring 2022, this group identified extreme heat risk transfer as the team's focus and best fit for a CDI-ICARP partnership.

Summary of Major 2023 Deliverables

- TBD: New work plan for the CDI-ICARP partnership on extreme heat risk transfer.

Updates for June 30 ICARP Meeting

- ICARP and CDI have resumed staff-level coordination on climate and insurance.

Looking Ahead

- Staff will update the Council on the updated scope and opportunities for participation in the Resilience Planning and Insurance Working Group.

Follow-ups for Council

- None at this time.

4. Funding and Financing

FEMA Cooperative Technical Partners

Staff Lead: [Sarah Samdin](#)

Background / Framing Context

ICARP has received three Cooperative Technical Partners (CTP) grants from FEMA to provide coordination support to align federal Hazard Mitigation Assistance (HMA) funding with state resilience goals. The partnership supports identification of projects that strengthen California's portfolio of nature-based, social and environmental justice projects. With a specific focus on hard-to-reach priority project types, as identified by FEMA, these pilot projects will help shape a pipeline of projects that may be eligible for future FEMA funding.

ICARP, in partnership with CalOES, provides technical assistance to state partners who are new to the federal HMA space, and helps identify innovative projects for FEMA's Building Resilient Infrastructure and Communities ([BRIC](#)) Program. This partnership advances California's climate resiliency goals, as well as the Governor's priority of leveraging state and federal funding.

Summary of Major 2023 Deliverables

- Q3: Case Study documenting lessons learned, promising practices, and challenges with aligning a state climate resilience funding program with FEMA HMA eligibility. ICARP's APGP seeks to serve as proof of concept of how align state and federal funding opportunities.

Updates for June 30 ICARP Meeting

- CTP staff joined an interagency State Mitigation Partners Working Group, convened by the Department of Housing and Community Development and attended by the Department of Forestry and Fire Protection, CalOES, the Department of Water Resources, and the California Earthquake Authority. This group identifies opportunities for coordination and alignment, shares lessons learned, and provides thought partnership for innovative policy and program design.
- CTP staff is also developing a Tribal User Needs Assessment through a CTP FY22 award to better understand the opportunities and challenges tribes face when integrating planning initiatives and building resilience to climate-induced changes, disasters, and hazards. This assessment will serve as the foundation for future OPR resources or initiatives designed to help tribes and other communities plan collaboratively, align resources, and collaborate to advance climate action.

Looking Ahead

- CTP staff will draft a case study that documents lessons learned, promising practices, and challenges with aligning FEMA HMA eligibility with ICARP's APGP Round 1 Grant Program.

Follow-ups for Council

- None at this time.

Proposition 84 Wildfire Recovery and Resiliency Grants

Staff Lead: Senior Planner, Wildfire Resilience and Recovery TBD

Background / Framing Context

The Proposition 84 Wildfire Resiliency and Recovery Planning Grants are a collaborative effort between the Office of Planning & Research, the Strategic Growth Council, and the Department of Conservation. The grants support community wildfire resilience and recovery planning efforts in four California jurisdictions. Grantee activities vary depending on local context, need, and scale, but the overarching goals of the program are to: 1) support land use planning activities at the local and region levels that advance climate adaptation and resilience efforts specific to wildfire risk reduction; 2) advance local understanding and consideration of vulnerable communities in an adaptation context; and 3) support local or regional capacity building to incorporate climate adaptation and resilience into wildfire planning and recovery.

Summary of Major 2023 Deliverables

- Q1: Conclude grant close-out activities for the Prop 84 awardees:
 - Los Angeles County
 - Sonoma County
 - City of Ventura
 - Town of Paradise
- Q1: Post case studies to the Adaptation Clearinghouse.
- Q2: Convene awardees in a panel at a TAC meeting to discuss their challenges and lessons learned in the wildfire resilience and recovery planning process.

Updates for June 30 ICARP Meeting

- The Q2 TAC meeting will feature a panel for Prop 84 awardees to share details of their projects, elevate local needs, and highlight lessons learned.

Looking Ahead

- No updates anticipated; this project has concluded.

Follow-ups for Council

- None at this time.

ICARP Extreme Heat and Community Resilience Program

Staff Lead: [Braden Kay](#)

Background / Framing Context

Extreme heat is a public health, climate resilience, and social equity problem that will impact every community in California. Historically, the lack of guidance and support to plan and implement heat interventions has hindered bold local action to address these unique risks. The Extreme Heat and Community Resilience Program builds capacity for heat action planning and project implementation in the most heat-burdened communities by providing funding and technical support. The program also drives the state's work to implement California's Extreme Heat Action Plan, a comprehensive, coordinated response across state agencies for advancing equitable outcomes, including reducing economic and health disparities associated with extreme heat.

The Extreme Heat and Community Resilience Program will invest in local, regional, and tribal heat reduction and mitigation efforts. This program will fund projects that mitigate the impacts of extreme heat or the urban heat island effect by adopting strategies, including, but not limited to, heat action plans, providing mechanical or natural shade, increasing building and surface reflectance, providing passive or low-energy cooling strategies, and promoting evaporative cooling.

Summary of Major 2023 Deliverables

- Q1: Program Engagement Kickoff at the Quarter 1 Technical Advisory Council Meeting.
- Q2: Program Engagement through focus groups and listening sessions; Guideline development and refinement.
- Q3: Public Engagement Summary Release.
- Q4: Draft Guideline Release and Public Comment.

Updates for June 30 ICARP Meeting

- The EHCRP engaged in a series of nine General, Regional, and Tribal Listening Sessions to help inform the development of the program. Following these sessions staff will conduct focus groups to dive deeper into program elements.

Looking Ahead

- The EHCRP will release a summary of the Spring and Summer public engagement.

Follow-ups for Council

- Invitation to participate in focus groups for the ECHRP throughout the summer; contact Braden Kay (braden.kay@opr.ca.gov).

ICARP Adaptation Planning Grant Program

Staff Lead: [Abby Edwards](#)

Background / Framing Context

In 2021, OPR, through ICARP, received \$25M in the state budget to fund the ICARP Adaptation Planning Grant Program (Adaptation Planning Grant Program) to support local, regional, and tribal adaptation planning across California.

As communities in California experience more frequent, prolonged, and severe impacts of climate change, state, regional, local, and tribal governments are undertaking adaptation and resiliency planning. However, many jurisdictions lack the capacity, tools, guidance, and resources to effectively prepare for climate impacts. To meet this need, the Adaptation Planning Grant Program provides funding to help fill planning needs, provides communities the resources to identify climate resilience priorities, and supports the development of a pipeline of climate resilient infrastructure projects across the state.

Key priorities of the program are to:

- Explicitly and meaningfully prioritize equitable outcomes, particularly in the most vulnerable communities.
- Encourage communities to equitably plan for and respond to multiple climate risks.
- Build statewide capacity to plan for and implement equitable planning strategies.
- Embed equity into the planning process, from project visioning through project evaluation.

Summary of Major 2023 Deliverables

- Q1: Round 1 Application Window
- Q2: Application Review & Awards
- Q3: Round 2 Public Engagement
- Q4: Round 2 Draft Guidelines Release and Public Comment Period

Updates for June 30 ICARP Meeting

- On May 31st OPR will announce Round 1 Applicants to wrap up the Governor's climate month.

Looking Ahead

- APGP staff will begin public engagement for Round 2.

Follow-ups for Council

- None at this time.

ICARP Regional Resilience Planning & Implementation Grant Program

Staff Lead: [Dolores Barajas](#)

Background / Framing Context

The Integrated Climate Adaptation and Resiliency Program is developing a Regional Resilience Planning and Implementation Grant Program (Regional Resilience Grant Program, RRGP) to help fill local, regional, and tribal adaptation planning and resilience needs, and support the development of a pipeline of climate resilient projects. Through the Budget Act of 2021, \$25 million was made available for this program. Available to local, regional, and tribal governments, the Regional Resilience Grant Program will support regions in advancing resilience through three major activities: planning, project implementation and capacity building. Grants will be available both competitively and through set asides supporting disadvantaged and tribal communities.

Key Priorities of ICARP's Regional Resilience Grant Program are to:

- Support regional projects aligned with ICARP priorities that improve regional climate resilience and reduce climate risks from wildfire, sea level rise, drought, flood, increasing temperatures, and extreme heat events.
- Support projects or actions that address the greatest climate risks in the region, particularly in the most vulnerable communities.
- Fill the gaps in climate resilience funding and support sustainable and cohesive climate resilient projects.

Summary of Major 2023 Deliverables

- Q1: Release draft guidelines for public comment (complete)
- Q2: Request for proposals, release round 1 grant application (complete)
- Q4: Round 1 grant awards
- Q4: Round 2 draft guidelines outreach

Updates for June 30 ICARP Meeting

- On June 13th, ICARP staff announced the release of the Round 1 Regional Resilience Grant Program (RRGP) Final Guidelines and application.

Looking Ahead

- Staff will be hosting seven workshops throughout June and July and one-on-one office hours to provide application support. The application period will extend through August 29, 2023. In addition, staff will publish the RRGP public comment summary.

Follow-ups for Council

- None at this time.

5. Climate Equity and Vulnerable Communities

Vulnerable Communities Platform

Staff Lead(s): [Ankitha Doddanari](#), [Mark Hedlund](#)

Background / Framing Context

Building off the 2018 ICARP TAC definition of “vulnerable communities” in the context of climate adaptation, and in response to queries from a range of cross-sector stakeholders, OPR is developing an integrated platform to make this definition actionable for adaptation policy and investment decisions. The goal for the Vulnerable Communities Platform is to develop an open, accessible, and community-grounded platform that holistically identifies the communities most vulnerable to climate change.

Developing the ICARP Vulnerable Communities Platform consists of several workstreams: (1) background research and comparison with existing policy guidance, vulnerability assessments, and data platforms; (2) convening an interagency state technical workgroup; (3) engagement with vulnerable communities through listening sessions and pilot community partnerships; and (4) technical assistance and support from ESRI.

Summary of Major 2023 Deliverables

- Q1: Compilation of existing statewide and federal datasets, and prototype VCP (beta) using initial regional/vulnerability framework.
- Q2: Engage with Community Resilience Working Group (CRWG) and Interagency Technical Working Group (ITWG) to establish VCP regional framework and process for review and input.
- Q2-3: Regional and community engagement around priority climate risks and community input and inclusion on VCP 1.0.
- Q3-4: Review regional vulnerability scenarios and community case studies, develop implementation plan for targeted climate services.

Updates for June 30 ICARP Meeting

- Staff developed a regional climate risk framework and an updated community engagement strategy, with ongoing coordination from the Community Resilience Working Group and State agency contacts.
- Staff tested platform and data options and created a prototype that demonstrates the regional framework and options for community input on the VCP.

Looking Ahead

- Staff are developing a community/regional engagement strategy to solicit input on the VCP and coordinating with the Fifth Assessment team to assist in workshops for their regional reports.
- Staff will continue development of the VCP prototype and explore options to integrate regional engagement information as events and activities proceed.

Follow-ups for Council

- None at this time

6. Additional Special Initiatives

California Climate Adaptation Strategy

Staff Lead: [Sloane Viola](#)

Background / Framing Context

California is statutorily required to release an updated, comprehensive, statewide climate adaptation strategy every three years ([AB 1482](#), Gordon, 2015). Previous strategies were released in 2009, 2014, and 2018. For the 2021 Update, the California Natural Resources Agency and OPR, through ICARP, partnered to co-coordinate the development of California's 2021 California Climate Adaptation Strategy.

This update to the Strategy links together the state's existing, planned, and resourced climate adaptation efforts, showing how they fit together to achieve broad climate resilience priorities. The Strategy also specifies needed actions, with timeframes and metrics, to drive progress and enable accountability. The Strategy is organized around outcome-based priorities, rather than individual sectors, enabling a coordinated, integrated approach to building climate resilience. The 2021 Strategy will be released as an interactive website that serves as a hub for state climate resilience action. This website will be updated to reflect progress and make adjustments, and will allow for Californians to easily access information on the state's efforts.

Summary of Major 2023 Deliverables

- Q1: Release an annual implementation report and update the Strategy website to reflect progress.
- Q2-Q4: Scope the 2024 update to the State Adaptation Strategy leading up to the release of the Draft in January 2024.

Updates for June 30 ICARP Meeting

- No updates at this time.

Looking Ahead

- The Q3 TAC meeting will include a discussion about the 2024 Adaptation Strategy update.

Follow-ups for Council

- None at this time.

The California Extreme Heat Action Plan

Staff Lead: [Braden Kay](#)

Background / Framing Context

The [2022 Extreme Heat Action Plan](#) provides a strategic and comprehensive set of state actions to adapt and build resilience to extreme heat. It outlines California's all-of-government approach to mitigating the health, economic, cultural, ecological, and social impacts of increasing average temperatures and heat waves. The action plan was developed as part of the state's 2021 update to California's Climate Adaptation Strategy, in recognition of the need for an updated, integrated approach to addressing extreme heat. The Extreme Heat Action Plan provides an update to and expansion of the state's 2013 report on extreme heat ("[Preparing California for Extreme Heat Guidance and Recommendations](#)").

Summary of Major 2023 Deliverables

- Q3: Collect information on implementation progress from state agencies
- Q4: Release an Implementation Report

Updates for June 30 ICARP Meeting

- None at this time.

Looking Ahead

- ICARP Staff will coordinate with CNRA Staff to scope the Extreme Heat Action Plan's implementation report and future updates.

Follow-ups for Council

- None at this time.