



# ICARP

INTEGRATED CLIMATE ADAPTATION & RESILIENCY PROGRAM

## Technical Advisory Council April 14<sup>th</sup>, 2023 Quarterly Meeting Staff Report

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## 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.

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### Updates for 4/14 ICARP Meeting

- The Fifth Assessment Team published a list of [26 research topics](#) that will inform the scope of future research products, including CNRA's Core Climate Research Program, CEC's Tribal Research Grants, and a suite of reports to synthesize Fifth Assessment data and key takeaways at a regional and statewide scale.

### Looking Ahead

- ICARP staff will initiate engagement to develop the scope of the Fifth Assessment Regional and Topical Synthesis Reports.

### Follow-ups for Council

- None at this time

## **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.

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### **Updates for 4/14 ICARP Meeting**

- The Tribal Research Program is standing up a Tribal Advisory Group
- Tribal Research Grant Draft Guidelines are posted

### **Looking Ahead**

- The Fifth Assessment Tribal Research Grant Program will issue funding awards for tribally-led research

### **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 and initiate recruitment
- Q2-4: Convene SAG
- Q4: Brief report on updated structure/orientation of SAG

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### Updates for 4/14 ICARP Meeting

- The goal of the updated SAG structure is to leverage the subject matter experts of existing advisory groups and working groups, and to identify areas where representatives of these existing bodies could respond to emergent priorities or anticipate new areas of concern through a general integrated working group forum

### Looking Ahead

- Recruit SAG representatives from existing advisory groups and working groups and from priority thematic areas where advisory groups and working groups are not yet active.

### Follow-ups for Council

- Interested Council members should contact [Ben McMahan](#) to provide feedback or nominate advisory groups and working groups for inclusion.

## 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)
- Q3: Updated online Coastal Compass
- Q2: Executed two-year contract and initiation of two-year redevelopment plan.
- Ongoing: database quality control and updates.

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#### Updates for 4/14 ICARP Meeting

- 132 cities in the Los Angeles region were reviewed and added to the RAP-Map in Q1. Of these, at least 53 cities have assessed climate vulnerability/risk and developed adaptation strategies and goals. At least 29 have updated and adopted safety elements in the last few years. Remaining city-layer updates will be complete in Q2.
- 16,832 individuals visited the Adaptation Clearinghouse in 2022.
- The Adaptation Clearinghouse now has 1017 unique resources in the searchable database.
- The most viewed resources throughout 2022 (after the Plan Alignment Toolkit, Adaptation Planning Guide, and Topics pages):
  - Senate Bill 379 (Planning/Policy resource)
  - Urban Cooling Strategies for Los Angeles Neighborhoods Served by the Orange Line (SB1 Adaptation Planning Grant Case Study)
  - California's Wildfire and Forest Resilience Action Plan (State Plan)
  - Urban Heat Island Reduction Plan (CivicSpark Case Study)
  - Chumash Climate Change Transportation Vulnerability Assessment (SB1 Adaptation Planning Grant Case Study)

#### Looking Ahead

- User needs assessment activities have mostly wrapped up, but final reporting and recommendations will not be available until Q2.
- Staff are finalizing the redevelopment plan informed by the user needs assessment and will execute a web development contract in Q2.

#### Follow-ups for Council

- For early User Needs Assessment insights and recommendations contact [Nikki Caravelli](#).

## Cal-Adapt

Staff Lead: 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

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### Updates for 4/14 ICARP Meeting

- User needs assessment is underway, with additional opportunities to weigh in on Cal-Adapt strategic priorities in Q1-2

### Looking Ahead

- Staff presentation of user needs assessment results at Q2 TAC meeting to discuss key findings and strategic priorities (for both Cal-Adapt and the Adaptation Clearinghouse)

### Follow-ups for Council

- If you are interested in contributing input on Cal-Adapt re: specific gaps or needs, or larger strategic vision, contact [Ben McMahan](#)

# 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

- Q1-2: Engage with agency collaborators regarding needs and gaps, and to identify priority areas for updates
- Q4: Draft update to Guidebook released for feedback and input.

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## Updates for 4/14 ICARP Meeting

- None at this time

## Looking Ahead

- Ongoing updates in 2023 will connect to updated data from the 5<sup>th</sup> CA Climate Assessment and ongoing VCP development.

## Follow-ups for Council

- If you are interested in contributing information or feedback on the Guidebook update, please contact [Ben McMahan](#)



## 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 goal of the toolkit is to support 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

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### Updates for 4/14 ICARP Meeting

- The Climate Resilience Plan Alignment Toolkit was viewed over 1000 times during its first four weeks (Q4 2022), and since then has become the second-most visited resource after the Adaptation Planning Guide. The interactive decision-support tool is the most-visited resource in the toolkit, averaging 12-13 visits a week.
- ICARP Staff presented on equitable climate resilience planning, plan alignment, and the Climate Resilience Plan Alignment Toolkit at the UC Davis Wildfire Resilient Structures Conference and Tradeshow in Q1.
- Staff are currently working on updating the Coastal Plan Alignment Compass Guide (“[Coastal Compass](#)”).

### Looking Ahead

- The final Coastal Compass draft will likely be available in late Q2

### Follow-ups for Council

- To support or inform the Coastal Compass update, or request a plan alignment presentation or toolkit demonstration, please contact [Nikki Caravelli](#).

## 3. Building Partnerships and Leveraging Resources

### Community Planning and Capacity Building Recovery Support Function

Staff Lead: [Beth Hotchkiss](#)

#### 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.

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#### Updates for 4/14 ICARP Meeting

- None at this time

#### Looking Ahead

- Staff will re-convene the Peer Learning Network and resume roundtable convenings

#### Follow-ups for Council

- None at this time

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

Staff Lead: [Beth Hotchkiss](#)

### **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

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### **Updates for 4/14 ICARP Meeting**

- None at this time

### **Looking Ahead**

- The Q2 TAC agenda will include an update and discussion on CDBG-MIT

### **Follow-ups for Council**

- None at this time

## Resilience Planning and Insurance Working Group

Staff Lead: Extreme Heat and Community Resilience Program Manager, TBD

### 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

- Q2: New work plan for the CDI-ICARP partnership on extreme heat risk transfer

### Updates for 4/14 ICARP Meeting

- Staff is resuming coordination with the Department of Insurance

### Looking Ahead

- ICARP and CDI Staff will scope and develop a work plan for the working group

### Follow-ups for Council

- Contact [Sloane Viola](#) if you are interested in participating in this working group.

## 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 newest pre-disaster infrastructure funding program, 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.

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#### Updates for 4/14 ICARP Meeting

- CTP staff is working with the APGP team to co-host a webinar with CalOES on March 8th to discuss how APGP funding can be used to develop FEMA HMA eligible projects.

#### Looking Ahead

- Continued outreach and engagement with state climate and disaster resilience funding programs to support alignment with FEMA HMA eligibility

#### Follow-ups for Council

- None at this time

## Proposition 84 Wildfire Recovery and Resiliency Grants

Staff Lead: [Beth Hotchkiss](#)

### 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

- Conclude grant close-out activities for the Prop 84 awardees:
  - Los Angeles County
  - Sonoma County
  - City of Ventura
  - Town of Paradise
- Post case studies to the Adaptation Clearinghouse (March 2023)
- Convene awardees in a panel at a TAC meeting to discuss their challenges and lessons learned in the wildfire resilience and recovery planning process (TBD 2023)

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### Updates for 4/14 ICARP Meeting

- Staff is concluding grant close out for the final awardee

### Looking Ahead

- Staff anticipates convening the Prop 84 awardee panel at the Q2 TAC meeting

### Follow-ups for Council

- None at this time

## ICARP Extreme Heat and Community Resilience Program

Staff Lead: Interim [Abby Edwards](#) ; Extreme Heat and Community Resilience Program Manager; TBD

### 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: Draft Guideline Release
- Q4: Draft Final Guidelines and Application Materials

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### Updates for 4/14 ICARP Meeting

- Staff kicked off formal engagement at the Q1 Technical Advisory Council meeting.

### Looking Ahead

- After the TAC formal engagement launch, staff will host a series of listening sessions and workshops to inform the program guidelines.

### Follow-ups for Council

- None at this time.

# 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 Draft Guidelines
- Q4: Round 2 Application and Final Guideline Development

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## Updates for 4/14 ICARP Meeting

- Staff launched the APGP January 6, 2023. Staff hosted a 3-part workshop series to support application development. Applications close March 31, 2023.

## Looking Ahead

- Staff will review applications in April with an interagency review panel consisting of 12 state agencies and departments. Staff will announce awards in May.

## 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) that will invest \$250 million over three funding rounds to help fill local, regional, and tribal adaptation planning and resilience needs, and support the development of a pipeline of climate resilient projects. Available to local, regional, and tribal governments, the Regional Resilience Grant Program will support regions in advancing resilience through three major activities: capacity-building, planning, and project implementation. Grants will be available both competitively and on a formula basis.

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
- Q3: Round 1 grant awards
- Q3: Round 2 draft guidelines outreach

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## Updates for 4/14 ICARP Meeting

- Staff held 7 regional and community-specific workshops on the draft guidelines and accepted public comments through March 3, 2023. Over 270 people registered to attend the workshop series.

## Looking Ahead

- Staff will incorporate feedback into the final version of the RRGP guidelines to be released April 26, 2023.

## Follow-ups for Council

- None at this time.

## 5. Climate Equity and Vulnerable Communities

### Vulnerable Communities Platform

Staff Lead: [Ben McMahan](#)

#### 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
- Q1: 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: VCP 1.0, regional and community engagement around priority climate risks and community input and inclusion on VCP
- Q4: VCP 2.0 with regional vulnerability scenarios and community case studies, implementation plan for targeted climate services

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#### Updates for 4/14 ICARP Meeting

- Presented VCP regional framework to CRWG for feedback and establish cadence and process for input

#### Looking Ahead

- Staff will present VCP regional framework and vulnerability scenarios at Q2 TAC meeting

#### 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

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#### Updates for 4/14 ICARP Meeting

- Adaptation Strategy Annual Implementation Report released

#### Looking Ahead

- CNRA and ICARP Staff will initiate scoping efforts for the 2024 Strategy update

#### Follow-ups for Council

- None at this time

## The California Extreme Heat Action Plan

Staff Lead: Extreme Heat and Community Resilience Program Manager, TBD

### 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

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### Updates for 4/14 ICARP Meeting

- None at this time

### Looking Ahead

- None at this time

### Follow-ups for Council

- None at this time