



# Integrated Climate Adaptation and Resiliency Program Technical Advisory Council

## Quarterly Meeting Staff Report

March 25, 2022

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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 [ICARP Impact Report and 2020 Program Recommendations](#), ICARP staff implement a suite of programmatic priorities. Quarterly 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

### Development of Resilience Metrics

**Staff Lead:** [Juliette Finzi Hart](#)

#### **Background / Framing Context**

California has long led the nation in climate action, both in reduction of greenhouses gases as well as in preparing for the impacts of climate change. To date, while many state and local agencies have indicators and metrics that identify their progress towards a specific climate action and resilience goal, there is no consolidated set of metrics that demonstrate the State's overall progress in reducing climate risk and increasing resilience.

Since its inception, the ICARP Council has recognized that a suite of comprehensive resilience metrics is vital to help the State understand where action is progressing and where further action is needed. Staff are working with the ICARP Council, state agencies, and interested stakeholders to catalogue existing resilience metrics and identify gaps where new resilience metrics are needed. The goal of the consolidated suite of resilience metrics is to build our collective capacity to track how we are reducing climate risk and increasing resilience across built, social, and natural systems.

#### **Summary of Major 2022 Deliverables**

- Landscape review of the resilience metrics field (Completed)
- Collection of existing state agency metrics (Completed)
- Resilience Metrics Work Group white paper (Completed)
- Compilation of first set of resilience metrics (Completed)

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#### **Updates for 3/25 ICARP Meeting**

- Staff have developed and will present at the 3/25 meeting on a draft of Resilience Metrics white paper for Council input.

#### **Looking Ahead**

- Staff will finalize the Resilience Metrics white paper and track resilience progress in combination with CA Climate Adaptation Strategy implementation reporting.

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

- None at this time.

## **1. Actionable Research and Resilience Metrics (continued)**

### **Fifth California Climate Change Assessment**

**Staff Lead:** [Neil Matouka](#)

#### **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 will coordinate the development of the Fifth California Climate Change Assessment in partnership with the California Energy Commission, California Natural Resources Agency, Strategic Growth Council, and other partners. The Fifth Assessment will include climate data, technical and synthesis reports, decision-support tools, and a first-of-its-kind grant program for tribal research, recognizing the important contributions of first nations to our understanding of the changing environment.

#### **Summary of Major 2022 Deliverables**

- Details and timeline forthcoming

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#### **Updates for 3/25 TAC Meeting**

- Onboarding new staff for the Fifth Climate Change Assessment Program team

#### **Looking Ahead**

- Staff will work with partner agencies to develop a refined implementation plan and timeline, providing greater clarity on anticipated deliverable deadlines, with input from the TAC.

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

- None at this time.

## 1. Actionable Research and Resilience Metrics (continued) Science Advisory Group (SAG)

Staff Lead: [Juliette Finzi Hart](#) / [Nicole Hernandez](#)

### 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 2022 Deliverables

- SAG Best Practices Summary and Recommendations (March 2022)
- Launch Science Advisory Group (Summer 2022)



### Updates for 3/25 TAC Meeting

- At the 3/25 meeting, ICARP Staff will present and solicit feedback on a SAG Best Practices Summary and Recommendations document, which identifies existing California and other states’ science advisory group processes and proposes best practices.

### Looking Ahead

- ICARP Staff will report on progress in launching the SAG at the June 2022 ICARP TAC meeting.

### Follow-ups for Council

- Contact ICARP Staff ([sloane.viola@opr.ca.gov](mailto:sloane.viola@opr.ca.gov)) if you have recommendations on members to consider for inclusion in the ICARP Science Advisory Group.

## 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 local, regional, and statewide climate adaptation planning and decision-making, accessible at [ResilientCA.org](http://ResilientCA.org).

### Summary of Major 2022 Deliverables

- [ResilientCA Adaptation Planning Map \(RAP-Map\)](#) incorporated cities update (Summer 2022)
- Updated SB 1 CalTrans Adaptation Planning Grants case study series (June 2022)
- Solicitation and execution of 2022 web development contract (June 2022)
- User experience assessment (September 2022)
- Climate Resilience Plan Alignment Guides update (December 2022)
- Investing in Adaptation Topic Page update (December 2022)

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### Updates for 3/25 TAC Meeting

- Release of the web-development solicitation is imminent. The solicitation will request support for user assessments, updates and ongoing maintenance and operations, and future integrations with other State platforms.
- User Analytics 12 Month Report Highlights
  - **Top 5 resources (by user visits), in order:** The RAP-Map (2,054), the Coastal Plan Alignment Compass (1,233), the Pacifica State Beach Managed Retreat Educational/Project Example (379), Senate Bill 379 (313), and the SB 1 Case Study: Urban Cooling Strategies for Los Angeles Neighborhoods Serviced by the Orange Line (262).
  - **Page visits:** Currently, the online Adaptation Planning Guide (APG) is the most popular area of the site, followed by the Land Use and Community Development page (where the RAP-Map is housed). The Search Page has seen a 38% decline in visitors compared to the rest of the site.

### Looking Ahead

- ICARP Staff expects to begin integration of the Plan Alignment Guides into the Adaptation Clearinghouse in April 2022 ([see plan alignment guides section](#)). A beta version of the tool will be available later in the spring for user testing.

### Follow-ups for Council

- None at this time.

## 2. Decision Support Tools and Guidance (continued)

### Planning and Investing for a Resilient California Guidebook Update

Staff Lead: [Juliette Finzi Hart](#)

#### 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 2022 Deliverables

- Develop an updated version of the Planning & Investing for a Resilient California Guidebook, hosted online in a living document format (Summer 2022).

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#### Updates for 3/25 TAC Meeting

- ICARP Staff is updating the Planning and Investing for a Resilient California Guidebook to incorporate updated climate science information and adaptation best practices.

#### Looking Ahead

- ICARP Staff will refine the draft and work with agency partners to identify examples of state adaptation efforts.

#### Follow-ups for Council

- None at this time.

## 2. Decision Support Tools and Guidance (continued)

### Climate Resilience Plan Alignment Guides: Wildfire, Flood-After-Fire, and Coastal

**Staff Lead:** [Nikki Caravelli](#), [Taylor Carnevale](#), & [Sarah Samdin](#)

#### **Background / Framing Context**

ICARP staff are developing a suite of climate resilience plan alignment guides to support local climate resilience planning efforts. Local communities are responsible for developing and maintaining an array of plans – from the General Plan to local hazard mitigation plans and climate adaptation plans, to hazard-specific plans such as sea level rise strategies or community wildfire protection plans.

The goal of the ICARP plan alignment guides is to support alignment of local planning efforts, allowing local planners to achieve climate resilience goals, reduce duplication, and avoid policy conflicts. Staff are currently working on a series of guides, including a Wildfire Resilience Guide, a Flood-After-Fire Guide, and an update to the existing [Coastal Plan Alignment Compass Guide](#) (“Coastal Compass”). These guides will summarize requirements and best practices, discuss strategies to leverage various stages of different planning and implementation processes, and identify crosswalk opportunities and tricky spots to avoid.

#### **Summary of Major 2022 Deliverables**

- Develop the print and interactive, online Wildfire Resilience Plan Alignment Guide and the Flood-After-Fire Plan Alignment Guide. (Fall 2021 - Summer 2022)
- Update the Coastal Plan Alignment Compass Guide. (Summer 2022 - Fall 2022)
- Convene a Plan Alignment Advisory Group of state, local, and federal agencies and stakeholders to guide content development. (Fall 2021 – Summer 2022)
- Convene a Plan Alignment Local Government Focus Group to identify user needs and beta-test the guides. (Winter 2021 – Summer 2022)

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#### **Updates for 3/25 TAC Meeting**

- Held the first Local Government Focus Group meeting in January 2022.
- Launched the web and design process with the Contractor Team in January 2022.
- Held a third Plan Alignment Advisory Group meeting in March 2022.
- Finalizing draft content for the Wildfire and Flood-After-Fire Plan Alignment Guides, with input from the Advisory Group.

#### **Looking Ahead**

- The Wildfire and Flood-After-Fire Guides (beta version) will be integrated into the Adaptation Clearinghouse in early summer 2022 for focus group user testing.

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

- Please contact ICARP Staff ([sloane.viola@opr.ca.gov](mailto:sloane.viola@opr.ca.gov)) if you are interested in serving on the Advisory or Local Government Focus Groups.

### 3. Building Partnerships and Leveraging Resources

#### Community Planning and Capacity Building Recovery Support Function

Staff Lead: [Clay Kerchof](#)

#### 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 long-term wildfire resilience and disaster recovery.

#### Summary of Major 2022 Deliverables

- Engage stakeholders from wildfire-affected and at-risk communities to solicit feedback on local planning and capacity needs for long-term disaster recovery and wildfire resilience (Ongoing).
- Convene local governments as part of Wildfire Recovery Peer Learning Network to build a cohort of wildfire-impacted and at-risk communities, accelerate information exchange, and connect communities to funding opportunities (Ongoing).
- Develop a case study on the initial impact of the peer learning network for the Adaptation Clearinghouse. (Winter 2022)

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#### Updates for 3/25 TAC Meeting

- Hosted kickoff event for the Wildfire Recovery Peer Learning Network, including 37 participants from a dozen jurisdictions.
- Finalizing an initial case study on the establishment and objectives of the Peer Learning Network.

#### Looking Ahead

- Developing a CPCB Local Disaster Recovery Planning Toolkit, which includes resources on key recovery planning issues developed by the CPCB team. Appendices include: whole community planning for equitable recovery; best practices for recovery planning; funding opportunities for recovery planning. (Summer 2022)
- Presentation to the TAC from the Peer Learning Network on key findings and initial solutions at the Q3 meeting (September).

#### Follow-ups for Council

- Please contact ICARP Staff ([sloane.viola@opr.ca.gov](mailto:sloane.viola@opr.ca.gov)) if you are interested in sharing needs and priorities for wildfire resilience and long-term recovery and redevelopment and/or interested in participating in the learning network.

### 3. Building Partnerships and Leveraging Resources (continued)

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

Staff Lead: [Clay Kerchof](#)

##### 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 2022 Deliverables

- Three CAC meetings in 2021, including: a formal TAC vote on serving as the CAC (August 18); a presentation on CDBG-MIT policy development and program guidelines (September 10); and an interagency panel on aligning hazard mitigation funding between HCD, Cal OES, and CAL FIRE, facilitated by OPR (December 10).
- A [policy discussion memo](#) drafted for the TAC on alignment and differences between hazard mitigation funding sources.
- A discussion memo that provides a funding alignment and timeline roadmap from mitigation and preparedness through relief and long-term recovery to support the CAC at the June 2022 meeting.
- At least two additional CAC meetings in 2022, at the June and December meetings.

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##### Updates for 3/25 TAC Meeting

- Drafting a policy brief on aligning disaster recovery and hazard mitigation funds to build off the interagency hazard mitigation funding panel, as described above.

##### Looking Ahead

- CDBG-MIT CAC meetings will take place at the June and December 2022 meetings to highlight CDBG-MIT grantee challenges and successes.
- Additional interagency alignment agenda items can be organized as needed.

##### Follow-ups for Council

- None at this time.

### **3. Building Partnerships and Leveraging Resources (continued)**

#### **Resilience Planning and Insurance Working Group**

**Staff Lead:** [Clay Kerchof](#)

#### **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. This subgroup explores opportunities to improve community climate resilience by better reflecting landscape-scale adaptation strategies in insurance considerations.

#### **Summary of Major 2022 Deliverables**

- Insurance primer that describes key insurance principles (Completed, Spring 2021)
- Planning primer that describes key planning principles (Completed, Fall 2021)
- Working Group Roadmap (Winter 2022)
- A workshop with key experts and stakeholders in insurance and resilience planning convened by the working group (Summer 2022)
- A case study that synthesizes the work and findings of the working group (Fall 2022)



#### **Updates for 3/25 TAC Meeting**

- ICARP and CDI have internally approved a roadmap for the Resilience Planning & Insurance Working Group, which will guide the Working Group's development of a scope of work for 2022.

#### **Looking Ahead**

- The Working Group will finalize a scope of work that results in a workshop, presentation to the full TAC, and a case study. The presentation to the TAC is scheduled for September 2022.

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

- None at this time.

### **3. Building Partnerships and Leveraging Resources (continued)**

#### **Technical Assistance for Integrated Adaptation Planning**

**Staff Lead:** [Juliette Finzi Hart](#) & [Nikki Caravelli](#)

#### **Background / Framing Context**

ICARP staff provide climate resilience technical advice and support, upon request, to local and regional governments in support of statewide planning objectives and requirements, such as safety and housing element General Plan updates, alignment between resilience and local hazard mitigation planning, climate adaptation and resiliency planning, and other regulatory requirements. A priority objective is to help local and regional governments across the state implement integrated planning concepts to achieve more holistic and effective climate-resilient outcomes.

#### **Summary of Major 2022 Deliverables**

- Local and regional workshops as requested (Ongoing)

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#### **Updates for 3/25 TAC Meeting**

- Staff is building out the Climate Services team and identifying the suite of climate service products and offerings, including continued technical assistance.

#### **Looking Ahead**

- Plan integration workshops with local communities.

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

- Please contact ICARP Staff ([sloane.viola@opr.ca.gov](mailto:sloane.viola@opr.ca.gov)) if you are interested in holding a plan integration workshop.

## 4. Funding and Financing

### FEMA Cooperative Technical Partners

Staff Lead: [Sarah Samdin](#)

#### Background / Framing Context

ICARP received a Cooperative Technical Partners (CTP) grant from FEMA to provide coordination support to align federal Hazard Mitigation Assistance (HMA) funding with state resilience goals. This 18-month partnership supports identification of projects that strengthen California's portfolio of nature-based, social and environmental justice projects. Eligible project types include natural infrastructure to build coastal resilience, urban greening, wildfire mitigation, and transportation-related planning and implementation 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 2022 Deliverables

- Work with State agencies to identify eligible hazard mitigation projects, with nature-based solutions to support the development of a California-support project pipeline for FEMA HMA funding (Ongoing)
- Develop case studies that document lessons learned and highlight challenges and opportunities with aligning state/federal priorities and programs (Spring 2022)

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#### Updates for 3/25 TAC Meeting

- ICARP staff will close out the CTP FY20 grant at the end of March 2022. ICARP is finalizing three case studies that will be submitted to FEMA and posted on the Adaptation Clearinghouse.

#### Looking Ahead

- In April, ICARP staff will launch a second round of CTP funding. Through this grant, ICARP staff will identify opportunities for alignment of the new Adaptation Planning Grant Program with HMA eligibility.
- ICARP staff was invited to submit a subapplication for CTP FY22 funding and will begin developing a scope of work with FEMA.

#### Follow-ups for Council

- Please contact ICARP Staff ([sloane.viola@opr.ca.gov](mailto:sloane.viola@opr.ca.gov)) if you have BRIC or HMGP project concepts.

## 4. Funding and Financing (continued)

### Proposition 84 Wildfire Recovery and Resiliency Grants

Staff Lead: [Clay Kerchof](#)

#### 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 2022 Deliverables

- Administer planning grants to wildfire-affected communities (Fall 2022). Grantees include:
  - Los Angeles County
  - Sonoma County
  - City of Ventura
  - Town of Paradise
- Develop a case study for the Adaptation Clearinghouse on how Proposition 84 grantees have incorporated wildfire resilience practices into their ongoing long-term disaster recovery planning and programs and how each of these projects offer demonstrations of integrated climate resilience planning for other California communities. (Spring 2022)

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#### Updates for 3/25 TAC Meeting

- All grants are active as of July 1, 2021.

#### Looking Ahead

- ICARP Staff will schedule a roundtable for grantees in Summer 2022, closer to their grant close out dates.

#### Follow-ups for Council

- None at this time.

## 4. Funding and Financing (continued)

### 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. This capacity gap is likely to prevent communities from developing and implementing plans that build resilience and reduce future risk. 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.

#### **Summary of Major 2022 Deliverables**

- Details forthcoming

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#### **Updates for 3/25 TAC Meeting**

- ICARP Staff is conducting initial one-on-one interviews with state planning grant programs to identify opportunities to align grant programs and gather best practices.

#### **Looking Ahead**

- Details forthcoming

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

- None at this time.

## 5. Climate Equity and Vulnerable Communities

### Vulnerable Communities Platform

**Staff Lead:** [Lisa Hu](#)

#### **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 investments 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 synthesis, analysis, and comparison with existing policy guidance, vulnerability assessments and approaches & existing data platforms and tools; (2) convening an interagency state technical workgroup to knit together existing statewide data; (3) robust stakeholder engagement with vulnerable communities through listening sessions and pilot community partnerships, with ongoing input from frontline communities; and (4) technical assistance and support from ESRI.

#### **Summary of Major 2022 Deliverables**

- Compilation of existing statewide datasets (Ongoing)
- External draft beta platform launch (Ongoing, 2022)

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#### **Updates for 3/25 TAC Meeting**

- Ongoing research and stakeholder meetings to inventory existing mapping, data platforms, and tools, as well as state agency vulnerable community definitions and guidance.
- Ongoing VCP Interagency Technical Workgroup meetings

#### **Looking Ahead**

- Stakeholder engagement will continue , including targeted listening sessions.
- Solicitation forthcoming to fund pilot communities to co-develop the VCP.
- Launch of user focus groups to coordinate stakeholder needs across Climate Services products.
- Continued work with ESRI and OPR teams on platform configuration process, including technical development and assessment of long-term plan.

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

- None at this time.

## 6. Additional Special Initiatives

### California Climate Adaptation Strategy

**Staff Lead:** [Nuin-Tara Key](#)

#### **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 2022 Deliverables**

- Kick-off webinar, 10 stakeholder engagement workshops, and tribal consultation meetings (Completed, Spring-Fall 2021)
- Release draft Strategy for public comment and review (Oct-Nov 2021); public comment webinar and three workshops, two tribal listening sessions and continued tribal consultation. (Ongoing)
- Finalize and release web-based Strategy (Spring 2022)

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#### **Updates for 3/25 TAC Meeting**

- No updates.

#### **Looking Ahead**

- California Climate Adaptation Strategy website launched.

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

- None at this time.

## 6. Additional Special Initiatives (continued)

### The California Extreme Heat Action Plan

Staff Lead: [Taylor Carnevale](#)

#### Background / Framing Context

California’s best climate science projects that every corner of the state will be impacted in years and decades to come by higher average temperatures and more frequent and severe heat waves. These changes will pose a risk to every region and sector across natural, built, and social systems.

The 2022 Extreme Heat Action Plan outlines a strategic and comprehensive set of state actions to mitigate the health, economic, ecological, and social impacts of increasing average temperatures and heatwaves. Early in the update to the [2021 California Climate Adaptation Strategy](#), the California Natural Resources Agency (CNRA) and ICARP identified a need for a comprehensive, interagency approach to extreme heat. To close this gap, the state committed to updating the “[Preparing California for Extreme Heat Guidance and Recommendations](#)” report released in 2013.

More information regarding the Extreme Heat Action Plan can be found [here](#).

#### Summary of Major 2022 Deliverables

- Inventory of ongoing and planned state-level work related to extreme heat adaptation (Completed, Summer 2021).
- Discussions with state agencies to set future actions, objectives, and goals (Completed, Summer 2021 – Winter 2022).
- Extreme Heat Listening Sessions (Completed, Spring 2021 – Winter 2022)
- Development of Extreme Heat Action Plan (Ongoing, Summer 2021 – Spring 2022)

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#### Updates for 3/25 TAC Meeting

- ICARP and CNRA released the draft Extreme Heat Action Plan on January 10<sup>th</sup>.
- To solicit public input on the draft action plan, the Governor’s Office of Planning and Research and the California Natural Resources Agency held two Extreme Listening sessions on January 24<sup>th</sup>.
- Extensive public input collected over the course of 2021 guided the substance and organization of the Extreme Heat Action Plan, and included ten regional workshops, numerous consultations with tribal nations, and three Extreme Heat listening sessions held in March, July, and August 2021.

#### Looking Ahead

- ICARP and the California Natural Resources Agency will finalize and release the Extreme Heat Action Plan in Spring 2022.

#### Follow-ups for Council

- None at this time.