Integrated Climate Adaptation and Resiliency Program Technical Advisory Council

Item 2: 2022 ICARP Impact Report Outline

January 27th, 2023

1. **Introduction (3 pages, narrative & call-out boxes)**
   a. What is adaptation and resilience and why is it important?
      i. Emphasis on equity
   b. California's climate approach
      i. State planning & coordination
         1. Climate Change Assessments
         2. Sector-based plans
         3. Climate Adaptation Strategy
      ii. Supporting local action
         1. SB 379
         2. Adaptation Planning Guide
      iii. Investments
   c. About ICARP
      i. Overall role and mission (SB 246 (Wieckowski, 2015))
         1. Coordinate regional and local efforts with state climate adaptation strategies
            a. Promoting and coordinating state agency support for local and regional efforts
            b. Informing state-led programs, including state planning processes, grant programs, and guideline development, to better reflect the goals, efforts, and challenges faced by local and regional entities
            c. Tools & guidance
         2. Emphasis on equity
         3. Integrated mitigation-adaptation strategies & solutions
      ii. How ICARP implements – framing language for each plus narrative about how they build on and connect with each other
         1. Policy & programmatic alignment
            a. Graphic on coordination between TAC, IRWG, Agency Deputies, and ICARP Staff
         2. Actionable climate science

3. Climate services
4. Direct investments – Adaptation Planning Grant Program, Regional Resilience Grant Program, and Extreme Heat and Community Resilience Grant Program
            iii. TAC priority areas – framing language for each priority area
1. Actionable Research & Resilience Metrics
2. Decision-Support Tools & Guidance
3. Building Partnerships & Leveraging Resources
4. Funding & Financing
5. Climate Equity & Vulnerable Communities
6. Additional Special Initiatives
    d. Call out boxes
        i. Definitions
        ii. Vision & Principles
        iii. Legislation
        iv. Executive Orders
        v. Climate Budget

2. Narrative Case Studies (1-2 pages each)
    a. Fifth Assessment Research Roundtables
        i. Purpose: Convene subject matter experts to provide feedback on a list of 180 topics that were generated based on public input on climate change research gaps.
        ii. Process/Partnerships: The Fifth Assessment team solicited input on climate change research gaps and priority topics in California during the Summer of 2022 through a public survey. Suggestions were received from State, Local and Federal governments, CA Native American tribes, research institutions, community-based organizations, businesses, residents, and others to include over 600 individual topics. The Fifth Assessment team refined this to a list of 180 topics across six themes. Working with the California Council on Science and Technology, a group of subject matter experts were engaged to offer feedback on the research topics and further refine the list to under 30 climate change research and knowledge gaps that will inform the scope of Fifth Assessment products.
        iii. Innovation and Equity Nexus: Extensive outreach, engagement, consultation, and strategic partnership at an early stage to incorporate diverse perspectives, expertise and knowledge.
    b. Plan Alignment Guides
        i. Purpose:

1. Climate change is already affecting communities, economies, and environments of California, but unified, inclusive, and strategic planning helps build resilience to climate impacts. Plan alignment and integration helps communities adapt to threats such as wildfire, increasing temperatures and extreme heat, sea level rise, drought, and the compounding impacts of flood-after-fire events.
2. The Plan Alignment Guides are part of a suite of collaboration tools for local government staff and decision-makers, tribes and tribal-serving organizations, community members and non-profits, and regional entities to help coordinate and align local and regional efforts around resilience planning. The guides are designed to accelerate local climate action and provides tools and best practices for communities to use to balance multiple planning priorities and local planning requirements, conduct risk and vulnerability assessments to identify opportunities for adaptation, advance equitable outcomes and community engagement that to climate impacts, and seek funding as they plan and implement solutions and strategies to address present and future climate risks.

ii. Process: Plan alignment is based on collaboration and leverages connections, information, and resources to build shared language, data foundations, and processes across planning efforts at any scale. The steps involve defining a shared vision and understanding of planning process requirements and timescales, assessing vulnerability that examines risks within and across the relevant jurisdictions, developing an adaptation framework that integrates agency, community, and scientific perspectives on these risks, and implementing these plans with community-driven evaluation and space to adapt as new information becomes available. The resulting suite of plans share the same data, similar underlying assumptions, aligned visions, and complementary goals, strategies, and actions, and a shared understanding, process, and structure for multiple entities in a community or region to continue to collaborate and align efforts over the long term. In fall 2022, ICARP released new climate resilience resources around plan alignment, including: the wildfire resilience plan alignment guide, the flood-after-fire resilience plan alignment guide, an interactive plan alignment

tool and roadmap, resources to support community engagement and collaboration, and case studies that illustrate the plan alignment process in action.

iii. Innovation: Plan alignment ideally starts early on in the planning process and continues throughout all stages, but the guides are designed such that this alignment can begin at any phase. This is responsive to community needs and recognizes that different communities or agencies may vary in the approach and sequencing they use in their planning and engagement process. This 'menu of ideas' is available to agencies, who can select the best tools and sequence for implementing plan alignment concepts. The guides do include examples of best practices and tips for success, and they align with the four-phase approach in the California Adaptation Planning Guide and General Plan Guidelines to break the content into manageable steps.

iv. Partnerships: Agency partners have provided ongoing contributions and feedback during the development of the plan alignment guides (plan alignment advisory group). Some of the most compelling examples of partnerships in this space are examples that demonstrate plan alignment in action (https://dev.resilientca.org/challenges/12/) including conservation and development, municipal climate action and adaption planning, and transportation and infrastructure planning.

v. Equity Nexus: Some communities may be better positioned to adapt to climate risks, while frontline communities are disproportionately impacted by systemic socioeconomic and environmental inequities that amplify and exacerbate climate impacts. The plan alignment guides can also be used to help create an equitable, climate-resilient community, which includes identifying vulnerable communities, helping build community adaptive capacity in these communities, ensuring that community engagement is equitable and inclusive, and prioritizing procedural, distributional, and structural equity throughout planning and implementation processes. Targeted technical assistance and community collaboration around climate services and decision support resources can help communities or agencies leverage the planning process and resources to build capacity across the community, and support

planning and decision making in frontline communities. Jurisdictions can focus on frontline communities, particularly in cases where outside expertise or technical assistance would help complete one or more plans and use this process of collaboration to build long-term community capabilities to adapt, especially in disproportionately vulnerable communities.

c. Stakeholder engagement for Adaptation Planning Grant Program and Regional Resilience Grant Program

    i. Purpose: Convene interested parties to engage in the development of ICARP grant programs.

    ii. Process/Partnerships:

        1. Adaptation Planning Grant Program:

            a. Over the course of a 9-month period, from March 2022 to November 2022, the Adaptation Planning Grant Program staff undertook a statewide engagement process, engaging over 450 people, organizations and state partners through public workshops, surveys and interviews to inform and support the development of the Program.

            b. APGP staff released the APGP Engagement Summary in July 2022. APGP staff notified the public of the release of the Draft Guidelines on September 28, 2022 for a 30-day Public Comment period. Staff then hosted four public workshops where staff presented the Engagement Summary findings and Round 1 Draft Guidelines.

            c. During the public comment period, OPR received 273 unique comments and since then has made over 1,595 edits to the Round 1 Draft Guidelines.

        2. Regional Resilience Grant Program:

            a. During the summer of 2022, the ICARP team held 8 public listening sessions, conducted interviews, and released an online survey to gather feedback and input to inform the RRGP's guidelines. During these sessions, the team heard from a wide range of stakeholders, including community groups, local and regional government agencies, Tribal communities and governments, and state and federal agencies. Through the listening sessions, key informant interviews, and survey responses, the

ICARP team received comments from representatives from 141 individual agencies and organizations.

  b. In October, ICARP released the RRGP Engagement Summary, a synopsis of the feedback received through listening sessions, interview, and online surveys.

 iii. Innovation:

  1. Adaptation Planning Grant Program

   a. Embedding equity into the program goals, and objectives – prioritizing vulnerable communities and pursuing funding targets.

   b. Inclusive program eligibility -eligible applicants and eligible activities are purposefully broad to encourage maximum inclusivity.

   c. Phased application approach to:

    i. Give prospective applicants opportunity to share their preliminary ideas

    ii. Give staff a rough estimate of how many folks are interested in applying

    iii. Opportunity for staff to redirect applicants to additional funding sources

    iv. Establish a point of contact for prospective projects

   d. Leveraging Climate Services and interagency partnerships to innovate first-of-its-kind ICARP technical assistance program.

  2. Regional Resilience Grant Program

   a. Providing guidance on multi-scale regional partnerships to build capacity.

   b. Leverage agency partnerships to inform gaps in resilience funding.

 iv. Equity Nexus:

  1. Adaptation Planning Grant Program:

   a. Through the engagement process APGP refined programmatic goals and priorities to more meaningfully embed equity throughout the grant process:

   b. Explicitly and meaningfully prioritize equitable outcomes, particularly in the most vulnerable

communities, by establishing an inclusive funding program that removes barriers for Applicants and ensures that awardees represent a wide geographic, economic, and population diversity.

c. Encourage communities to equitably plan for and respond to multiple climate risks by centering the needs of vulnerable communities and supporting an all-risk approach to adaptation planning. These grants encourage communities to conduct integrated planning activities.

d. Support integrated social and physical infrastructure planning to achieve community resilience. The program provides flexible funding to meet multi-sector/issue planning needs that intersect with climate risks.

e. Build statewide capacity to plan for and implement equitable planning strategies by supporting peer-to-peer learning, communities of practice, information sharing, and publishing replicable case studies in the State Adaptation Clearinghouse.

f. Embed equity into the planning process, from project visioning through project evaluation, by increasing opportunities for shared decision-making, utilizing inclusive processes, and actively remedying historic underinvestment by fairly distributing access to the benefits and privileges associated with community investment.

2. Regional Resilience Grant Program

a. Intentional outreach and engagement to under resourced communities.

b. Ensuring accessibility and flexibility through the public comment and application phases.

c. Setting funding goals for regional diversity.

d. Encouraging multi-scale regional partnerships to build capacity and strengthen community engagement.

e. Establishing funding set asides for tribal entities and disadvantaged communities.

d. Resilience Funding Opportunities Gantt Chart

i. Purpose: The ICARP TAC identified a need for a resource to assist potential applicants in navigating state resilience funding opportunities. Entities interested in funding to support their

resilience efforts have abundant opportunities for implementation funding through the administration's unprecedented investments in climate action. However, TAC members noted that navigating these opportunities is a significant challenge, both from the large quantity of individual programs, but also the variability in application timelines and requirements. The TAC requested that ICARP Staff collaborate with partners to develop a Gantt chart that visualizes the timelines for state funding programs to allow potential applicants to more strategically plan their applications for state funding.

    ii. Process: ICARP Staff leveraged the coordinating structure of the Interagency Resilience Work Group, Agency Resilience Deputies Group, the State Grants Portal, and directly contacted grant programs to gather information about program eligibility and timelines. Staff then created several Gantt Charts to visualize grant timelines: one universal chart, and several organized for different types of applicants. The Gantt Charts are available through the Clearinghouse's Investing in Adaptation Topic Page.

    iii. Innovation: This resource consolidates information on state funding opportunities and visualizes it in a way that compares timelines across programs to support strategic planning for the year ahead. Development of this resource leveraged the interagency coordination structure of ICARP, demonstrating the value of the program, the TAC, and its working groups in identifying opportunities and supporting coordination and alignment.

    iv. Equity Nexus: Resources that make it easier to access state funding opportunities will ensure that these investments benefit communities that are most vulnerable. The applicant-specific versions of the Gantt Chart also enable nonprofits or tribes to assess opportunities available to them without having to take additional steps of researching all the programs listed in the universal chart.

3. **2022 Milestones and Accomplishments (2-3 pages, bullets)**
   a. Fifth Assessment
      i. Launched website
      ii. Kickoff webinar
      iii. Research round tables

      iv. Research process webinar
       v. Final list of priority research gaps
      vi. Fifth Assessment Tribal Research Program
1. Tribal listening sessions,
2. Tribal Research Draft Guideline workshops
3. Government to government consultation with 5 Tribes and informal consultations with several other Tribes.
4. Tribal Advisory Group nomination process and establishment
5. Tribal Research Program Draft Grant Guidelines

b. Resilience Metrics
       i. Resilience Metrics White Paper

c. Science Advisory Group
       i. Best Practices Summary and Recommendations informed by research and conversations on state agencies' advisory group structures

d. Adaptation Clearinghouse
       i. Updates to RAP-Map
      ii. User needs assessment
     iii. UC Berkely web development contract
     iv. Integration of OPR's new wildfire planning resources (Wildfire Hazard Planning Technical Advisory and WUI Planning Guide)
      v. User analytics

e. Cal-Adapt
       i. Met with agencies to identify needs and develop recommendations
      ii. User needs assessment
     iii. Coordination with Fifth Assessment

f. Plan Alignment
       i. [details captured in narrative section, above]

g. Community Planning and Capacity Building - Recovery Support Function
       i. Dixie Fire Collaborative & Plumas County

h. CDBG-MIT
       i. Policy brief on aligning disaster recovery and hazard mitigation funds
      ii. CDBG-MIT Action Plan Amendment

i. Insurance Working Group
       i. Pivot to extreme heat insurance pilot

j. FEMA CTP

    i. Closed out CTP 2020 grant
    ii. Awarded CTP 2022 grant
    iii. Case studies
    iv. Flood management conference presentation
  k. Prop 84
    i. Grantees submitted case studies
    ii. Close out of grants
  l. Adaptation Planning Grants
    i. Agency interviews to identify alignment opportunities and best practices
    ii. Draft guidelines released
    iii. Launched intent survey
  m. Regional Resilience Grants
    i. Listening Sessions
    ii. Engagement Summary
    iii. Interagency Regional Climate Grant Work Group
  n. Vulnerable Communities Platform (VCP)
    i. Inventory mapping, data, tools, and related work
    ii. Stakeholder meetings
    iii. Interagency Technical Working Group survey and interviews
    iv. Re-engaged Community Resilience Work Group key stakeholders to inform VCP framework
  o. Adaptation Strategy
    i. Strategy released
    ii. Implementation report development
  p. Extreme Heat Action Plan
    i. Draft Action Plan release
    ii. Stakeholder engagement
    iii. Action Plan Released
    iv. Extreme Heat Symposium

4. 2023 Work Plan (1-2 pages, bullets)
  a. Q1
    i. Fifth Assessment
      1. Kickoff regional and topical reports scoping process
      2. Solicit Core Climate Research proposals
      3. Rolling release of downscaled climate change projections and modeling
      4. Tribal Research Program
        a. Tribal Research Grant Guidelines Round 1
        b. Convene Tribal Advisory Group

        c. Kickoff Tribal Synthesis Report scoping and regional scoping with tribal listening sessions

        d. Government to Government Consultation

  ii. Adaptation Clearinghouse
1. User Needs Assessment report/results
2. RFP for web development contract

  iii. Science Advisory Group
1. Framework and initial membership finalized

  iv. Adaptation Planning Grant Program
1. Application Launch

  v. Regional Resilience Grant Program
1. Draft guidelines released for public comment

  vi. Extreme Heat and Community Resilience Program
1. Kick off stakeholder engagement for Extreme Heat grant program

  vii. Vulnerable Communities Platform
1. Prototype VCP (beta) based on initial regional/vulnerability framework
2. Initiate feedback process with Community Resilience Working Group and Interagency Technical Working Group

  viii. Adaptation Strategy
1. Year 1 Implementation Report released

b. Q2

  i. Fifth Assessment
1. Core Climate Research awards
2. Continued release of downscaled climate change projections and modeling
3. Tribal Research Program
    a. Tribal Research Grant Awards Round 1
    b. In coordination with the Tribal Advisory Group, develop a workplan and basic guidance for Fifth Assessment when working with Tribes and Traditional Knowledge(s), also known as TEK, ITEK, and IK
    c. Tribal Advisory Group to convene monthly
    d. Continued engagement on Tribal Synthesis Report
    e. Government to Government Consultation

  ii. Cal-Adapt
1. User Needs Assessment report/results
2. Data visualization prototypes and development plans

  iii. Community Planning and Capacity Building - Recovery Support Function
    1. Peer Learning Network Roundtable
  iv. Adaptation Planning Grant Program
    1. Awards Announced
  v. Regional Resilience Grant Program
    1. Final guidelines and application launch
  vi. Vulnerable Communities Platform
    1. Revised VCP (1.0)
    2. Develop mechanism to incorporate community feedback on map platform
    3. Regional network/community engagement
    4. Pilot communities solicitation
  vii. Adaptation Strategy
    1. Case studies developed and published on the Clearinghouse

c. Q3
  i. Fifth Assessment
    1. Public community-level engagement on regional and topical scoping process
    2. Tribal Research Program
      a. Tribal Research Grant Round 1 work commences
      b. Tribal Research Grant Round 2 scoping
      c. Government to Government Consultation
  ii. Plan Alignment Guides
    1. Coastal Plan Alignment Guide
  iii. Clearinghouse & Cal-Adapt
    1. Execute web development contracts
  iv. Community Planning and Capacity Building - Recovery Support Function
    1. Peer Learning Network Roundtable, Case Study
  v. Adaptation Planning Grant Program
    1. Round 2 Outreach and Engagement
  vi. Regional Resilience Grant Program
    1. Awards announced
  vii. Extreme Heat and Community Resilience Program:
    1. Stakeholder engagement summary
  viii. Vulnerable Communities Platform
    1. Regional network/community engagement

2. CRWG and ITWG review of 1.0 process and results of engagement
        3. VCP 2.0 development plan
    ix. Extreme Heat Action Plan
        1. Draft implementation report
  d. Q4
    i. Fifth Assessment
        1. Finalize scope of regional and topical reports
        2. Tribal Research Program
            a. Tribal Research Grant Round 2 Draft Guidelines
            b. Finalize Tribal Synthesis Report scope and draft guidelines
            c. Government to Government Consultation
    ii. Plan Alignment
        1. Extreme heat plan alignment guide
    iii. Science Advisory Group
        1. Report on year 1 of new framework
    iv. Community Planning and Capacity Building - Recovery Support Function
        1. Peer Learning Network Roundtable, Case Study
    v. Adaptation Planning Grant Program
        1. Draft Round 2 Guideline Release
    vi. Regional Resilience Grant Program
        1. Round 2 Outreach and Engagement
    vii. Extreme Heat and Community Resilience Program
        1. Draft Guidelines released
    viii. Vulnerable Communities Platform
        1. VCP 2.0 released
            a. Include regional characterization of vulnerability and case studies of communities illustrating impacts
            b. Include Case studies of communities
        2. Implementation plan for targeted technical assistance and climate services development