



Integrated Climate Adaptation and Resiliency Program Technical Advisory Council

11/18/21 Resilience Metrics Work Group Meeting Discussion Document

Introduction:

Through the ICARP Resilience Metrics Work Group, the state of CA is working to identify a suite of indicators and metrics that help demonstrate progress towards reducing climate risk and increasing resilience across social, natural, and built systems. In ICARP work group and interagency resilience work group meetings throughout 2020-21, and through an ICARP public survey, ICARP staff collected recommended indicators and metrics deemed important to signifying progress towards a more resilient CA. ICARP [meeting minutes, presentations and recordings of the work group](#) sessions provide an overview of the many rich and substantive discussions.

Concurrent to this ICARP led process, the CA Natural Resources Agency, supported by the CA Governor's Office of Planning and Research, worked with state agencies to update the [CA Climate Adaptation Strategy \(Strategy\) for 2021](#). Through a whole-of-government approach, this Strategy provides a climate adaptation framework that outlines the state's climate adaptation priorities, and identifies goals and actions, accompanied by success metrics and timeframes, to address those priorities. The success metrics identified demonstrate the work underway and/or forthcoming across all state agencies and across sectors, such as water, transportation, public health, emergency response, planning and land use, and natural resources management.

In preparation for the Nov. 18, 2021, meeting, ICARP staff focused on the goals, actions, and success metrics for the first listed priority in the Strategy: *Strengthen Protections for Climate Vulnerable Communities* and compared these to the indicators and metrics identified through the ICARP process. Reviewing the full suite of metrics, ICARP staff proposes that the following subset of indicators and metrics (listed below) best align with the goals of this priority. The color-coding in the list below delineates indicators that were determined to be reflected in the draft Strategy (green), those that may be reflected (black), and those that are not reflected (red).

In preparation for the Nov. 18th, 2021, meeting, please review the actions and metrics in the Draft Strategy for the [Priority: Strengthen Protections for Climate Vulnerable Communities](#) and compare them to the list of indicators and metrics identified below. During the breakout room discussions, we will discuss:

1. Do you agree that the green and black ICARP identified indicators are reflected in the Strategy's priority on strengthening protections for climate vulnerable communities?
2. Are the red ICARP identified indicators still important to demonstrating social system resilience? Assuming yes, what are the appropriate indicators and metrics that the State should measure?
3. Taken in sum, do these indicators and metrics help determine if we have achieved social system [function](#) resilience? If no, what is missing?
4. How does your work contribute to shared social system resilience?



ICARP Identified Indicators

- Climate resilience resources directly allocated for vulnerable populations/ Effective and equitable resource allocation
- Increased public awareness of climate risk and adaptation actions
- Vulnerable communities have regular access to services
- Informed, meaningful and long-term engagement of communities in ongoing adaptation efforts
- Vulnerable communities are part of decision-making
- Language access
- Adaptive and coping capacity
- Human impact is systematically incorporated in every decision, plan, grant, policy, investment
- Climate action plans address health and equity
- Vulnerable communities no longer face disproportionate impacts
- Equity and resilience are co-embedded into the budget processes of local and state governments
- Social cohesion
- Growth of social capital
- Community trust

ICARP Identified Metrics

- Socioeconomic and demographic indicators of vulnerability (income, housing, health, security)
- Track investments in climate vulnerable communities and frontline communities
- Number of state agency plans or grant guidance to identify and reduce vulnerabilities and through increased resources
- Number of resources and/or tools provided to state and/or local jurisdictions to address climate, health, and equity for vulnerable populations
- Number of state climate change, housing, transportation or land use investment plans or programs that incorporate measures to prevent residential and economic displacement
- Types of housing units, affordability, type, density and location with climate adaptation measures for vulnerable populations in high-risk areas