

<b>DOCKETED</b>	
<b>Docket Number:</b>	19-ERDD-01
<b>Project Title:</b>	Research Idea Exchange
<b>TN #:</b>	239954
<b>Document Title:</b>	An Expanded Cal-Adapt Enterprise - Roles, Responsibilities, and Authorities
<b>Description:</b>	The purpose of this memo is to follow up on a publicly docketed memo (#TN 239123) with additional information to help clarify elements of the expanded Cal-Adapt enterprise that impact multiple funding streams, institutions, and/or grants. Specifically, this memo offers additional details regarding issues related to governance, responsibilities related to the Cal-Adapt website, and data management.
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<b>Submission Date:</b>	10/4/2021 12:20:11 PM
<b>Docketed Date:</b>	10/4/2021

## An Expanded Cal-Adapt Enterprise: Roles, Responsibilities, and Authorities

### Purpose of this Document

The purpose of this memo is to follow up on a publicly docketed memo ([#TN 239123](#)) with additional information to help clarify elements of the expanded Cal-Adapt enterprise that impact multiple funding streams, institutions, and/or grants. Specifically, this memo offers additional details regarding issues related to governance, responsibilities related to the Cal-Adapt website, and data management.

### Overview of Expanded Cal-Adapt Enterprise

The Cal-Adapt enterprise is expanding beyond the interactive visualizations and web application features that have been made available through prior and ongoing California Energy Commission (CEC)-funded grants (e.g., PIR-17-012, PIR-17-014, EPC-17-033), as well as a Strategic Growth Council (SGC) grant. The Cal-Adapt enterprise will continue to include features for a broad range of stakeholders who need easily accessible visualizations and data download tools while expanding to provide a “pro” version for users with highly technical, data-intensive needs that will be addressed by a powerful data platform and analytics engine. This expanded effort will make next-generation climate projection data (currently under development through CEC-funded grant EPC-20-006) available in a manner that supports energy sector resilience through a data platform and analytics engine (under development through CEC-funded EPC-20-007). The data platform and analytics engine constitute a “pro” version that will provide critical analytical and computational resources to support electricity sector stakeholders in using climate datasets that are approximately two orders of magnitude larger than what the Cal-Adapt 2.0 web application was designed for.

Initially (early 2022-ca. 2025) the expanded enterprise will be supported by:

- data platform and analytics engine (EPC-20-007) and observation platform (PIR-19-006) grants launched in 2021,
- a grant anticipated to launch in 2022 (under Group 3 of a Climate Resilient Transition solicitation), and
- anticipated support from the Governor’s Office of Planning and Research (OPR).

### Governance

Cal-Adapt development will be directed by staff at CEC and OPR, who will rely on a combination of internal resources and competitively awarded grant agreements to execute the vision of the State of California and brand Cal-Adapt as a product of the State. It is imperative that the Cal-Adapt brand and vision reflects that it is a product of the State of California to preserve continuity, as it is expected that the grant Recipients associated with the Cal-Adapt enterprise will change over time. CEC will designate one of the Recipients to lead the overall Cal-Adapt enterprise as directed by CEC and OPR. This overall Cal-Adapt lead will be responsible for coordinating between Recipients who are in turn responsible for implementing their respective scopes of work in a manner that aligns with state agency direction. This work by the Cal-Adapt lead includes:

- making design decisions that support alignment and harmonization across grants,
- representing Cal-Adapt in the scientific community,

- providing guidance and direction to the developer of Cal-Adapt’s web application to ensure that cloud computing architecture is reflective of high-level best practices and responsive to the needs of multiple elements of the expanded Cal-Adapt enterprise.

From the current time (ca. fourth quarter 2021) through its agreement end-date in 2026, CEC anticipates that the Recipient of EPC-20-007, Eagle Rock Analytics, will serve as the Cal-Adapt lead; however, the State retains sole discretion of assigning and distributing lead roles for items that impact execution of multiple scopes of work.

#### Website

- *Domain name registration:* CEC shall appoint an institution or Recipient with whom the cal-adapt.org domain name is registered. If the domain name is registered with a grant recipient, the Recipient follows the authority of CEC regarding issues related to registration, maintenance, and transfer of domain name at the request of CEC.
- *Hosting, Maintenance and Development:* The responsibility for supporting hosting, maintaining, and developing Cal-Adapt visualizations and the web application resides within Cal-Adapt web application development grants. Moving forward, this responsibility is expected to shift from CEC to OPR, although (as per docketed memo [#TN 239123](#)) a forthcoming EPIC solicitation is expected to provide some resources for hosting in the near-term (beginning ca. Q3 2022). These tasks include the following responsibilities:
  - *Maintenance:* Perform routine maintenance tasks associated with keeping site live, secure and in line with current web standards. Maintain current capacities and technologies associated with cal-adapt.org.
  - *Development:* Provide a basic web presence for other efforts in Cal-Adapt enterprise, including hosting basic content provided by other efforts that contribute to the Cal-Adapt enterprise. Specifically, web application development includes creating the structure and frame on cal-adapt.org to provide access to documentation, other forms of static content (e.g., wikis, notebooks, blogs, documentation), and access to components produced and supported by other grants that contribute to the Cal-Adapt enterprise. To facilitate execution, web application grants also provide log-in credentials to subdomains associated with other (beyond web application) efforts that contribute to the Cal-Adapt enterprise (e.g., analytics engine, observation platform).

#### Data and data management

- *Data management plan:* Each component of Cal-Adapt shall maintain a data management plan, to be approved by their funding agency. The Cal-Adapt lead shall facilitate data coordination between Cal-Adapt components, with ultimate authority for data management vesting in CEC.
- *Data repository:* Analytics Engine grant shall maintain a large data repository of downscaled climate projections at the direction of CEC. Web Application and Observation Platform grants shall be granted access to this repository by Analytics Engine. Web Application and Observation Platform grants may require a different storage type to maintain functionality, alternative storage types to be provided by the grant necessitating this.
- *Data access:* Each component of Cal-Adapt shall be responsible for independently managing access to data supplies in line with their grant responsibilities (i.e. web-application via Application Programming Interface and Data Download Tool, Analytics Engine via cloud buckets).