

**GFO-24-306**

**Applications of Open Data to Support Climate Resilience in California’s Electricity Sector**

**Addendum 01**

**February 27, 2025**

The purpose of this addendum is to notify potential applicants of changes that have been made to GFO-24-306. The addendum includes the following revisions to the Solicitation Manual. Added language appears in **bold underlined** font. Deleted language appears in [~~strikethrough~~] within brackets.

## **Solicitation Manual**

1. **Page 6, Section C. Project Focus, Group 1: Development of Tools and Visualizations for an Updated Cal-Adapt Web Application**

* Updated language, as indicated in strikethrough and bold underline below, to note that updates foundational to Group 1 are currently underway:

This group will develop open-source tools for the Cal-Adapt Data Explorer (cal-adapt.org) that leverage data developed to support California’s Fifth Climate Change Assessment (Fifth Assessment). Because Fifth Assessment data is two orders of magnitude larger than data from the prior generation of climate projections, the Cal-Adapt Data Explorer [~~has recently been~~] **is in the process of being** updated with CEC funding (EPC-21-038)1, **with public roll-out anticipated in June 2025**, to accommodate and enable alignment of new tools with this data.**2**

* Added footnote 2, which reads: **EPC-21-038 prepared a Memorandum on the Data Catalog describing the structure, access points, and current data of the new Data Catalog that will be leveraged to support new tools and visualizations on the Data Explorer:** [**https://efiling.energy.ca.gov/getdocument.aspx?tn=261970&documentcontentid=98468**](https://efiling.energy.ca.gov/getdocument.aspx?tn=261970&documentcontentid=98468)

1. **Page 8, Section C. Project Focus, Group 2: Wildfire Planning Tool Leveraging Long-Term Scenarios Developed for California’s Fifth Climate Change Assessment**

* As noted in bold underline below, clarified that long-term wildfire scenarios produced under agreement EPC-18-026 are an example of, but not the *only*, data that could be used to support Group 2:

This group will design and deliver an open-source wildfire planning tool [~~to transform extensive CEC-funded data products portraying~~] **to portray** long-term wildfire risk **based on CEC-funded climate-related data products** [~~into~~]**, providing** insights that can support energy-sector wildfire mitigation and adaptation planning. **For example,** the long-term wildfire scenarios produced by the Pyregence Consortium under agreement EPC-18-026**4** represent a data-rich resource that can inform exploration of risks to the electricity sector. Currently in a raw file format that has not been optimized for cloud computing, these data portray fire size, fire severity, smoke emissions, fire presence, and number of fires over the California domain through the year 2100 under various climate, vegetation, and land-use scenarios developed as part of the Fifth Assessment.

Leveraging this vast dataset **and/or other publicly available data**, the open-source wildfire planning tool developed by this group will enable users to query and analyze historic and projected wildfire risk in a manner that can inform mid- and long-term planning for wildfire mitigation and grid adaptation projects. For example, IOUs could use this tool for outreach and engagement with communities affected by wildfire-related risks and service disruptions. Complementing the long-term wildfire scenarios produced by EPC-18-026, downscaled climate data developed for the Fifth Assessment may also offer an opportunity to develop a variety of fire-related metrics with this tool.

* Added footnote 4, which reads: **The Scope of Work for EPC-18-026 is available in the back-up materials for the June 2019 Business Meeting of the California Energy Commission:** [**https://web.archive.org/web/20230726112749/https://www.energy.ca.gov/filebrowser/download/928**](https://gcc02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fweb.archive.org%2Fweb%2F20230726112749%2Fhttps%3A%2F%2Fwww.energy.ca.gov%2Ffilebrowser%2Fdownload%2F928&data=05%7C02%7C%7C9d0ec903ca154643f0fd08dd4c600010%7Cac3a124413f44ef68d1bbaa27148194e%7C0%7C0%7C638750697386763244%7CUnknown%7CTWFpbGZsb3d8eyJFbXB0eU1hcGkiOnRydWUsIlYiOiIwLjAuMDAwMCIsIlAiOiJXaW4zMiIsIkFOIjoiTWFpbCIsIldUIjoyfQ%3D%3D%7C0%7C%7C%7C&sdata=JsnLsuSPbPMdGCk6%2FtdYBpm10UDznC%2BXhmN9BKgQbs0%3D&reserved=0)

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