Visualizing Climate-Related Risks to the Electricity and Natural Gas Systems Using Cal-Adapt
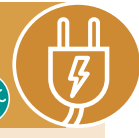
Cal-Adapt is an online, interactive, visualization tool that enables researchers, decision makers, and the general public to explore how climate change will impact specific regions in California. A recommendation in the 2009 California Adaptation Strategy to support local decision-makers and planners in identifying, understanding, and adapting to climate risks spurred the creation of Cal-Adapt. Current research projects are launching updates to 1) climate change visualization tools and data (projected as well as historical) hosted on Cal-Adapt, 2) migrate Cal-Adapt to an open source Application Programming Interface (API) that supports third-party tool development, and 3) implement concerted outreach efforts to ensure that results reach target audiences in the electricity sector and are responsive to their needs.

Screenshot from cal-adapt.org