

Featured Resources

Snapshot: Each of these resources are relevant to the deployment of energy storage systems for local governments.

Disclaimer: Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the Governor's Office of Planning and Research (OPR). In addition, the views and opinions of authors expressed and presented herein do not necessarily state or reflect those of OPR, its state partners, or the State of California.

- **General and Academic Energy Storage Systems Resources**

- [2020 Strategic Analysis of Energy Storage in California](#): This analysis was prepared for the California Energy Commission by UC Berkeley School of Law, UC Los Angeles, and UC San Diego. Funded by the Public Interest Energy Research (PIER) Program, this report assesses current energy storage technologies, discusses the diverse policies affecting deployment in California, and outlines critical technology gaps, future research needs, and policy reforms.
- [California Energy Commission Tracking Progress: Energy Storage](#): The CEC tracks the progress of the deployment of energy storage systems as California works to transform its energy system to meet its climate goals.
- [Charging Ahead | An Energy Storage Guide for Policymakers](#): Released by the Interstate Renewable Energy Council, this document aims to provide state policymakers and regulators with systematic, foundational information on advanced energy storage—a new generation of technologies characterized by flexible operating capabilities and diverse applications—as well as more specific guidance on key issues for consideration in the policymaking context.
- [City of Anaheim Energy Storage System Plan](#): The City of Anaheim completed an Energy Storage Plan defining how they are used on the grid, the current technologies available and the currently defined uses for the technology.
- [Economic Analysis Case Studies of Battery Energy Storage with SAM](#): The National Renewable Energy Laboratory considers customer sited behind-the-meter storage coupled with photovoltaics (PV) and presents case studies of the financial benefit of customer-installed systems in California and Tennessee.
- [Energy and Environment Guide to Action - State Policies and Best Practices for Advancing Energy Efficiency, Renewable Energy, and Combined Heat and Power](#): The 2015 edition of the Energy and Environment Guide to Action published by the Environmental Protection Agency includes guidance on the development policies and programs that

can reduce greenhouse gas emissions, lower energy costs, improve air quality and public health, and achieve economic development goals. The document includes resources and information relevant to energy storage systems, as well as various links to funding opportunities.

- [Energy Storage - The Benefits of “Behind-the-Meter” Storage:](#) The National Rural Electric Cooperative Association (NRECA) Cooperative Research Network (CRN) conducted the Smart Grid Demonstration project. Behind-the-meter energy storage were evaluated through two closely related technology demonstration projects involving storage at several electric distribution cooperatives (co-ops) and Great River Energy (GRE), a generation and transmission (G&T) electric cooperative in Minnesota.
- [Energy Storage Association | A Vision for 2025:](#) The Energy Storage Association released a white paper describing how a confluence of forces and continued advancement in grid planning and operations will drive the deployment of more cost-effective advanced energy storage systems in the U.S. by 2025.
- [Energy Storage Interconnection Proposal:](#) The California Independent System Operator (ISO) is committed to helping facilitate the development of energy storage. This document outlines current policy issues with existing interconnection rules, as well as overview of how storage interconnection relates to utilities and the grid.
- [Energy Storage Procurement Guide:](#) Produced by Sandia National Laboratories with assistance from Clean Energy Group/Clean Energy States Alliance, the Energy Storage Procurement Guide is designed to give specific examples of the elements that should be included in a solicitation for the procurement and installation of a battery energy storage project that is designed to provide backup power during outages.
- [Energy Storage Safety Strategic Plan:](#) The U.S. Department of Energy’s Office of Electricity Delivery and Energy Reliability (OE) developed develop a high-level roadmap to enable the safe deployment energy storage by identifying the current state and desired future state of energy storage safety.
- [Energy Storage Technologies White Paper:](#) In 2016, the Port of Long Beach produced this white paper which outlines the different available energy storage technologies, how they work, and the relative pros and cons of each.
- [Making Sense of Energy Storage | How Storage Technologies Can Support a Renewable Future:](#) Authored by the Environment America Research & Policy Center in New York, this white paper aims to make sense of why and when energy storage is used, what it currently looks like, and what policymakers and the public can do to get the most benefit from energy storage in their respective jurisdictions.

- [Recovery Act: Smart Grid Investment Grant \(SGIG\) Program](#): The American Recovery and Reinvestment Act of 2009 included measures to modernize our nation's energy and communication infrastructure and enhance energy independence. This Department of Energy webpage includes lists of funding storage projects nationwide, as well as case studies that include energy storage system development and integration with the grid.
- [Rooftop Solar and Energy Storage | A Review of Existing Statutes, Proceedings, Initiatives and Issues in California](#): This report prepared by the Center for Sustainable Energy focuses on the deployment of energy storage systems with rooftop solar PV panels. The report also focuses on the major statutory, regulatory, and policy drivers behind the deployment of energy storage systems in California.
- [State Strategies for Advancing the Use of Energy Storage](#): This paper by the National Governor's Association highlights recent advances in battery technologies, as well as state and federal policy incentives that have spurred a surge in advancing energy storage installations.
- [The Economics of Battery Energy Storage](#): Published by the Rocky Mountain Institute (RMI) this report includes meta-study of several energy storage studies and tools developed over the past decade and a summary of their findings. The report is intended to help overcome the many cost, regulatory, business-model, and procedural barriers to making energy storage a meaningful component of the U.S. electricity future.