



## Dpu energy storage

How will solar energy help DPU?

"DPU is harnessing cutting-edge renewable energy and battery storage technology to reduce its energy burden, and to safeguard our air and environment for future generations." Solar energy will not only conserve taxpayer dollars, it will help DPU avoid 37,000 tons of carbon dioxide (CO2) emissions annually.

What are Fresno's DPU projects?

The DPU projects are part of the City of Fresno's comprehensive plan to lower its energy costs, bolster environmental resiliency, and reduce greenhouse gas (GHG) emissions. At a time of rising electricity costs, these DPU projects will save the City an expected \$100 million in taxpayer dollars by 2045.

How did the DPU approach Smart?

The DPU established a two-pronged approach to address a multitude of revisions of the SMART program that would be handled on concurrent tracks: while the Phase I investigation was conducted, DPU began the second phase of its investigation.

What is the energy storage initiative?

The Energy Storage Initiative, which was launched in 2015, is the state's program to advance ESS by attracting, supporting and promoting storage companies and the development of commercial storage technologies throughout the Commonwealth. Massachusetts has a current ESS goal of 1,000 MWh by December 31, 2025.

How did Fresno get its solar energy & smart battery storage assets?

The City of Fresno procured its solar energy and smart battery storage assets by leveraging the Renewable Energy Aggregated Procurement ("REAP") Program. The REAP Program is managed by SPURR, a joint powers authority dedicated to helping the California public sector control and reduce utility expenses.

An order establishing the Energy Storage Interconnection Review Group (ESIRG) was issued by the DPU as 19-55-E on 2/9/2022. The DPU has been involved procedurally for initial assembly ...

On May 22, 2019, the Massachusetts Department of Public Utilities ("DPU") opened a new docket (D.P.U. 19-55) to investigate the interconnection of distributed generation ("DG") in Massachusetts. (And yes, the DPU intends to include energy storage interconnection in this docket despite defining DG as "technologies that generate electricity".)

FRESNO, CA - The City of Fresno's Department of Public Utilities (DPU) conducted a groundbreaking ceremony today for the development of its on-site solar energy and battery storage portfolio. The projects are currently taking shape at three energy-intensive sites - the Fresno-Clovis Regional Wastewater Reclamation Facility, the Northeast Surface Water ...

At the end of January, the Massachusetts Department of Public Utilities (DPU) approved the state's new three-year energy efficiency plan. For the first time, and with analytical support from CEG, it includes behind-the-meter battery storage. There's a lot to unpack here, but the bottom line is that, despite a few shortcomings in the plan, Massachusetts is once again ...

The Energy Facilities Siting Board (EFSB) is an independent state board that reviews proposed large energy facilities including power plants, electric transmission lines, intra-state natural gas pipelines, and natural gas storage tanks. To obtain EFSB approval, a proposed facility must demonstrate that it would provide a reliable energy supply, with a minimum impact on the ...

Energy storage is just one type of distributed energy resources (DER) that the LA100 study showed is important to increase. DER programs consist of small-scale energy resources connected to the local distribution grid including battery energy storage, local solar and vehicle to grid integration (V2G).

On February 1, 2019, the Massachusetts Department of Public Utilities issued two long-awaited orders in docket D.P.U. 17-146. The orders address a number of issues related to pairing energy storage systems (&quot;ESS&quot;) with net metering facilities and the rights to the capacity associated with net metering and SMART facilities. There are too many issues in these orders to address each ...

Energy storage has been the coming thing for years. Now, it's arrived - as an efficiency measure. At the end of January, the Massachusetts Department of Public Utilities ...

Cranberry Point Energy Storage LLC presented to the Town of Carver's Planning Board and Conservation Commission and received approval of the project's Site Plan and Special Permit and Order of Conditions, respectively ... (DPU). In June 2023, the Massachusetts DPU issued an order approving the project. A notice of the commencement of ...

On June 30, 2023, the Massachusetts Department of Public Utilities (the Department) approved comprehensive zoning bylaw exemptions to two important energy storage projects: Cranberry Point Energy Storage, LLC to construct a 150 MW standalone battery energy storage system in Carver, MA. Medway Grid, LLC to construct a 250 MW standalone battery ...

Representatives from Flatiron Energy presented an overview of their plans for the construction of a battery energy storage structure at 284 Eastern Ave. during Tuesday night's planning board meeting. The project will require a major site plan review from the planning board, as well as a number of special permit and variance recommendations ...

The Massachusetts Department of Public Utilities (DPU) regulates this process by requiring utilities to have standardized interconnection tariffs. DER Interconnection Seminars Calendar As part of an agreement filed by the DG Working Group in September 2013 utilities host Interconnection Workshops on a monthly basis.



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The DPU also approved each company's strategic plan for making the infrastructure investments necessary to accommodate other energy efficient projects, such as heat pumps and battery storage systems, that will improve the state's ability to electrify, supporting the state's clean energy goals.

FRESNO, Calif. - Oct. 23, 2023 - The City of Fresno Department of Public Utilities (DPU) conducted a ground-breaking ceremony today for the development of its on-site solar energy and battery storage portfolio, which is now taking shape at three energy-intensive sites - the Fresno-Clovis Regional Wastewater Reclamation Facility, the Northeast Surface Water Treatment ...

This page discusses the configurations of net metering facilities paired with energy storage systems that are eligible to net meter. This page summarizes the findings from D.P.U. 17-146-A. ... File a municipality energy contract to the DPU ; This page, Energy storage and net metering, is offered by Electric Power Division;

DPU 22-59: Cranberry Point Energy Storage, LLC: Petition of Cranberry Point Energy Storage, LLC, pursuant G.L. c. 40A, § 3 for a Comprehensive Exemption from the Operation of the Town of Carver Zoning Bylaws in Connection with the Construction and Operation of a Battery Energy Storage System and Switchyard. Issued on: 6/30/2023. Carver: ...

The DPU will establish an Energy Storage Interconnection Review Group ("ESIRG") focused on the implementation aspects of interconnecting ESS to the grid. The DPU has directed their Distributed Generation and Clean Energy Ombudsperson to work with relevant stakeholders, who include the distribution companies, the Department of Energy ...

FRESNO, Calif. - Oct. 23, 2023 - The City of Fresno Department of Public Utilities (DPU) conducted a ground-breaking ceremony today for the development of its on-site solar energy ...

On August 11, 2022, the Commonwealth of Massachusetts enacted G.L. c. 164, § 92B-92C, through An Act Driving Clean Energy and Offshore Wind, St. 2022, c. 179, § 53, that requires investor-owned electric distribution companies operating in Massachusetts (Eversource, National Grid, and Unitil) periodically to each submit an ESMP with the DPU. The first ESMP filings are ...

The DPU oversees the public safety from transportation and gas pipeline-related accidents, and the energy facilities siting process. The DPU seeks to promote safety, security, reliability of service, affordability, equity, and greenhouse gas emission reductions. Learn about services offered by the DPU divisions

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Once completed, the Fresno-Clovis project, with 17 MWDC of solar and 2.3 MWDC of battery storage, will be one of the largest behind-the-meter solar energy and battery storage projects in California. The DPU



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projects represent a core part of the City of Fresno's comprehensive plan to lower energy costs, bolster environmental resiliency, and ...

As of February 15, 2024, the EDCs reported 569 MWh of installed energy storage with an additional 8,806 MWh of storage under development. The DPU established a two-pronged approach to address a multitude of revisions of the SMART program that would be handled on concurrent tracks: while the Phase I investigation was conducted, DPU began the ...

Most of the current research on energy storage technologies considers energy storage in the same medium as a whole, while in practical applications, large capacity energy storage systems consist of multiple storage units [6] addition, the operating state of energy storage units has a significant impact on the cycle life, energy conversion efficiency, regulation ...

The 680-megawatt lithium-ion battery bank is big even for California, which boasts about 55% of the nation's power storage capacity, according to data from the U.S. Energy Information Administration.

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The DPU largely accepted the utilities' proposals, despite concerns raised by the Massachusetts Attorney General's Office, Department of Energy Resources, and several environmental and ...

contrast, DDS directly accesses storage devices from the DPU. 1Files are a common approach for data systems to manage data in secondary storage, e.g., DB pages and logs [15, 19] and KV records [20, 25] are often persisted in?les. ... Energy-efficient CPU PCIe Switch Network Hardware Accelerators RAM Host PCIe peers

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