

# **Ab 2868 energy storage**





## Overview

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Assembly Bill 2868 directs the California Public Utilities Commission (CPUC) to encourage the state's three largest electrical utilities to "accelerate widespread deployment of distributed energy storage systems" by adding up to 500 megawatts of new storage capacity supported by "reasonable mechanisms for cost recovery." Does PG&E have a AB 2868 energy storage program?

D.19-06-032, adopted June 27, 2019, implemented the AB 2868 energy storage program and investment framework and approved the AB 2868 applications, with modifications. The CPUC approved PG&E's request for \$6.4 million for its behind the meter thermal energy storage program, and requested the PG&E file a Tier 3 Advice Letter for final approval.

Did PG&E comply with AB 2868?

This Decision determined that PG&E's remaining application proposal and the application proposals from San Diego Gas and Electric Company's (SDG&E) and Southern California Edison (SCE) did not comply with AB 2868 and thus rejected these proposals.

What is the AB 2514 energy storage procurement policy?

In 2013, the CPUC issued Decision (D.)13-10-040 which set an AB 2514 energy storage procurement target of 1,325 megawatts (MW) by 2020. The CPUC's energy storage procurement policy was formulated with three primary goals: Greenhouse gas (GHG) reductions in support of the State's targets.

What does d18-01-003 mean for energy storage?

This rulemaking resulted in D.18-01-003, a decision on multiple-use application (MUA) issues, which developed eleven rules to support MUAs for energy storage. These rules apply to the IOUs 2018 energy storage solicitations.

When will energy storage be available?



This procurement target was set for implementation by 2020, with installations no later than the end of 2024. D.13-10-040 also required Community Choice Aggregates (CCAs) and Energy Service Providers (ESP) to procure energy storage equal to 1 percent of their annual 2020 peak by 2020.

What did the energy storage rulemaking entail?

This rulemaking identified energy storage end uses and barriers to deployment, considered a variety of possible policies to encourage the cost-effective deployment of energy storage systems, including refinement of existing procurement methods to properly value energy storage systems. This rulemaking resulted in two CPUC Decisions, which are:



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### AB 2868 Assembly Bill

[AB 2514, Skinner, Chapter 469, Statutes of 2010).] The CPUC, in implementing AB 2514, established energy storage system procurement targets applicable to the state's three largest electric IOUs totaling 1,325 MW. [See CPUC

### Building Decarbonization

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### AB 2868 Assembly Bill - AMENDED

AB 2868, as amended, Gatto. Energy storage. Existing law requires the Public Utilities Commission (PUC) to determine appropriate targets, if any, for each load-serving entity to procure viable and cost-effective energy storage systems to be achieved by This bill



### Ice-based Thermal Energy Storage for Permanent Load Shifting

mandates IOUs to procure energy storage in three distinct grid domain targets, with some flexibility, among the grid domain targets of



customer sited, distribution-connected, and transmission connected. Following this, the State also passed AB-2868 (AB 2868



**DECISION IMPLEMENTING THE AB 2868 ENERGY STORAGE ...**

energy storage projects pursuant to AB 2868. The behind-the-retail-meter thermal storage program proposal of Pacific Gas and Electric Company is granted with the



[Energy Storage EXPLAINER in California](#)

Energy storage encompasses a variety of different technologies, each serving different roles on the electricity grid. Additional California Storage Targets Bill Mandate AB 2868 (2016) Accelerated the deployment of storage among California's three investor



**PUBLIC UTILITIES COMMISSION OF THE STATE OF ...**

distribution-connected storage investments in compliance with AB 2868,6 and (3) five MW procurement of behind-the- meter (BTM) thermal energy storage in compliance with AB 2868. energy On June 27, 2019, the CPUC adopted D.19-06-032,7 AB 2868





AB 2868 Assembly Bill - AMENDED

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- Voltage range: 691.2-947.2V
- >6000 cycles (100% DOD)
- Rated battery capacity: 216KWH (customizable)
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**STATE OF CALIFORNIA GAVIN NEWSOM, Governor PUBLIC ...**

meeting their respective AB 2514 energy storage procurement target goals and acts on two energy storage programs proposed by SCE pursuant to AB 2868. The issues to be determined are: 1. Are the Applications compliant with the Public Utilities Code (Pub2.

**State by State: A Roadmap Through the Current US ...**

Energy storage resources are becoming an increasingly important component of the energy mix as traditional fossil fuel baseload energy resources transition to renewable energy sources. There are currently 23 ...



**PUBLIC UTILITIES COMMISSION OF THE STATE OF ...**

connected storage investments in compliance AB 2868, 6 and five MW procurement of behind-the-meter (BTM) thermal energy storage in compliance with AB 2868. funding On June 27, 2019, the Commission storage adopted D.19-06-032, 7 up implementing the





Energy Storage Rose From California Crisis

As California's utilities continue to work toward the goals of AB 2514 and the more recent AB 2868, McGinnis says that AES has additional contracts for energy storage projects: a further 40 MW



AB 2868: Energy storage. . Digital Democracy

The bill would authorize the PUC to approve, or modify and approve, programs and investments in distributed energy storage systems, as provided, and would require the ...



ALJ/BRC/mph Date of Issuance 7/5/2019

A.18-02-016 et al. ALJ/BRC/mph 3 The total capacity of the programs and investments in distributed energy storage systems approved by the Commission pursuant to AB 2868 is not to exceed 500 megawatts (MW), divided equally among Pacific Gas and



**SCE AB 2868 Energy Storage Proposal  
LI0B030818FINAL**

The AB 2868 Energy Storage for MASH/SOMAH\*is a proposed behind the meter program targeted at low income multifamily locations that participate in SCE's Multifamily Affordable ...





### Assembly Bill No. 2868

Assembly Bill No. 2868 CHAPTER 681 An act to add Sections 2838.2 and 2838.3 to the Public Utilities Code, relating to energy. [Approved by Governor September 26, 2016. Filed with Secretary of State September 26, 2016.] legislative counsel's digest AB 2868



### 12.8V 200Ah



### ASSEMBLY BILL No. 2868

AB 2868, as amended, Gatto. Energy storage. Existing law requires the Public Utilities Commission (PUC) to determine appropriate targets, if any, for each load-serving entity to procure viable and cost-effective energy storage systems to be achieved This bill

### California Law Will Streamline Permitting for Distributed Energy Storage

The effort to cut red tape from energy storage permitting could become a national model, state storage leaders say. A and the AB 2868 authority given to IOUs to accelerate widespread



### DECISION IMPLEMENTING THE AB 2868 ENERGY STORAGE ...

A.18-02-016 et al. ALJ/BRC/mph PROPOSED DECISION 3 The total capacity of the programs and investments in distributed energy storage systems approved by the Commission pursuant to AB 2868 is not to exceed 500 megawatts (MW), divided equally



**March 22, 2019 To the California Public Utilities and Energy Commissions,**

The SDG& E and SCE proposals for affordable housing energy storage were developed under AB 2868, which directs the PU to "prioritize those programs and investments that provide distributed energy storage systems to public sector and low-income customers." 10 If the PD is adopted as written, then only

**18650** 3.7V  
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**California regulators tee up changes to utility distributed storage**

Requiring utilities to compete meets AB 2868's requirement to "not unreasonably limit or impair the ability of non-utility enterprises to market and deploy energy storage systems," Stevens added.

[Date of Issuance: January 15, 2021](#)

connected storage investments in compliance with AB 2868,6 and (3) five MW procurement of behind-the- meter (BTM) thermal energy storage in compliance AB 2868. energy On June 27, 2019, the CPUC adopted D.19-06-032,7 implementing the AB 2868



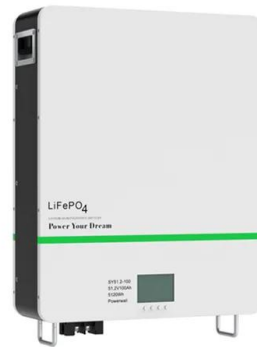
**ASSEMBLY BILL No. 2868**

AB 2868, as amended, Gatto . Local transportation authorities: priority regional highways. Energy storage. Existing law requires the Public Utilities Commission (PUC) to determine appropriate targets, if any, for each load-serving entity to procur e viable and cost



### California PUC finalizes new 500 MW BTM battery storage mandate

The order implements legislation signed into law in 2016, AB 2868, that requires the IOUs to procure distribution connected or behind-the-meter storage with a minimum 10 ...



### DECISION IMPLEMENTING THE AB 2868 ENERGY STORAGE ...

A.18-02-016 et al. ALJ/BRC/mph PROPOSED DECISION (Rev 1) 3 The total capacity of the programs and investments in distributed energy storage systems approved by the Commission pursuant to AB 2868 is not to exceed 500 megawatts (MW), divided



### Decision on Track 2 Energy Storage Issues

their 2018 Energy Storage Procurement Plan applications proposals for 'programs and investments' of up to 166.66 MW in distributed energy storage systems that meet the criteria of AB 2868." TURN explained that the Commission could then evaluate



### 505 VAN NESS AVENUE

SUBJECT: Summary of AB 2868 Behind-the-Meter (BTM) Thermal Storage Program in Compliance with Decision 19-06-032. Dear Mr. Jacobson: Advice Letter 5731-E, 5731-E-A is effective as of January 14, 2021, per resolution E-5073 Ordering Paragraphs.





### [AB 2868: Energy storage. . Digital Democracy](#)

Digital Democracy overview of bill AB 2868: Energy storage. Existing law requires the Public Utilities Commission (PUC) to determine appropriate targets, if any, for each load-serving entity to procure viable and cost-effective energy storage systems to be achieved



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