



# San diego s power grid is ready for energy storage





## Overview

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SDG&E's utility-owned battery storage portfolio is expected to reach nearly 480 MW of power capacity and over 1.9 GWh of energy storage by year-end, including the Westside Canal expansion and two additional projects in San Diego County currently being constructed.

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vide backup power in an emergency particularly when paired with a microgrid age projects comply with a national fire safety standard known as NFPA 855. Published in 2020 and updat ◆s stringent safety standards and certifications are unlikely to catch fire. In t e unlikely event of a fire, systems.

SAN DIEGO, March 14, 2025 /PRNewswire/ -- San Diego Gas & Electric (SDG&E) announced today the California Public Utilities Commission (CPUC) has approved an expansion of the company's Westside Canal Battery Energy Storage facility in California's Imperial Valley. This expansion project will add 100.

SDG&E recently completed a major expansion of the Westside Canal Battery Energy Storage System (BESS) project adding 100 megawatts (MW) of energy storage capacity - enough to power up to 100,000 homes during peak demand for four hours. The West Side Canal facility now boasts 231 MW of energy.

Arevon Energy just brought a massive new battery storage project online in San Diego's Barrio Logan neighborhood, and it's built to keep the lights on when the grid gets stressed. The new Peregrine Energy Storage Project clocks in at 200 megawatts (MW)/400 megawatt-hours (MWh), making it one of the.

SDG&E has been rapidly expanding its battery energy storage and microgrid portfolio. We have around 21 BESS and microgrid sites with 442 megawatts (MW) of utility-owned energy storage and another 40+ MW in development. Typically, these battery systems and microgrids are installed on SDG&E-owned.

San Diego Gas & Electric (SDG&E) announced that the California Public Utilities



Commission (CPUC) has approved the expansion of its Westside Canal Battery Energy Storage facility in California's Imperial Valley. The project will add 100 megawatts (MW) to the existing 131 MW capacity, enhancing the.



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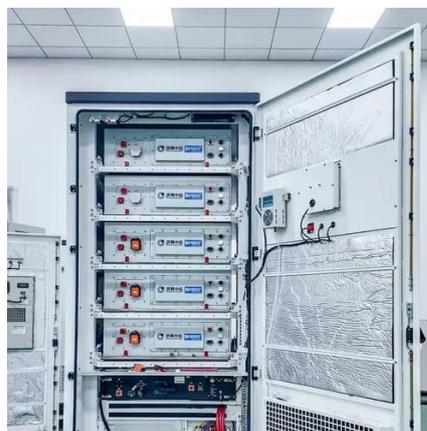


### [Hey San Diego, where is your energy coming ...](#)

The state releases a breakdown of power sources for 2023 as well as SDG& E and San Diego's 2 community choice energy programs.

### [SDG& E Expands Energy Storage Capabilities to Enhance Grid ...](#)

SDG& E's utility-owned battery storage portfolio is expected to reach nearly 480 MW of power capacity and over 1.9 GWh of energy storage by year-end, including the ...



### [FACT SHEET Batteries are Key Battery energy storage ...](#)

Homes and businesses are the source of electricity demand and locating battery storage systems near them efficiently addresses congestion and grid strain while postponing costly upgrades ...

### [SDG& E Unveils Four Advanced Microgrids To Boost Grid ...](#)

The four microgrid and energy storage sites, located in the communities of Clairemont, Tierra Santa, Paradise, and Boulevard, will help address



surging energy demands ...



### [This new San Diego battery can power 200,000 ...](#)

Arevon brings a 200 MW battery project online in San Diego to boost grid stability and store clean energy for 200,000 homes.



### [California's power grid looks steady heading into ...](#)

Power lines traverse a rugged stretch of San Diego County near the town of Jacumba. California's electric grid often comes under ...



### [Battery Energy Storage Systems \(BESS\) and Microgrids](#)

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## [This new San Diego battery can power 200,000 homes during](#)

Arevon brings a 200 MW battery project online in San Diego to boost grid stability and store clean energy for 200,000 homes.



## [Battery Energy Storage Systems \(BESS\) and Microgrids](#)

Battery Energy Storage Systems (BESS) Battery storage works by absorbing electricity when it's abundant on the power grid. It sends excess power back to the grid when it's most needed, ...

## [San Diego County to adopt standards on future ...](#)

On the heels of two fires in recent months at separate battery energy storage facilities, the San Diego County Board of Supervisors on ...



## [World's Largest--For Now--Battery Storage ...](#)

A battery energy storage project in California is set to be the world's largest in terms of generation capacity when the facility is fully ...



## UCSD Microgrid represents more cost-effective, ...

As part of the UC campus-wide initiative to reach net-zero greenhouse gas emissions, the University of California, San Diego built ...



## SDG& E Expands Energy Storage Capabilities to ...

SDG& E's utility-owned battery storage portfolio is expected to reach nearly 480 MW of power capacity and over 1.9 GWh of energy ...

## Peregrine Energy Storage - Peregrine Energy ...

California heavily relies on carbon-emitting fossil-fueled power resources to meet peak energy needs. Battery storage is an essential ...



## SDG& E Strengthens Grid Resilience with 100-MW Storage ...

SDG& E recently completed a major expansion of the Westside Canal Battery Energy Storage System (BESS) project adding 100 megawatts (MW) of energy storage ...



## [One year after a big battery fire in Otay Mesa, questions remain](#)

One year after a stubborn battery fire broke out at the Gateway Energy Storage facility in Otay Mesa, the site has not returned to its previous level of output.



## [San Diego Community Power OKs contract for ...](#)

The Nanjing Jiangbei Energy Storage Power Station, a grid-side energy storage power station in the national New Area, is connecting ...

## [Battery Energy Storage Systems](#)

How does BESS support the electricity grid? BESS can increase flexibility of the grid, provide backup electricity during power outages, and reduce energy costs.



## [SDG& E expands Westside Canal Battery Energy Storage to ...](#)

San Diego Gas & Electric (SDG& E) is expanding its Westside Canal Battery Energy Storage facility in California's Imperial Valley, a move expected to significantly ...



## Battery Energy Storage Systems

A Battery Energy Storage System (BESS) is a technology designed to store electric energy for later use. It stores energy from the electrical grid, solar, ...



## San Diego's power grid is ready for energy storage

The four microgrid and energy storage sites will help address surging energy demands in the San Diego region, especially during hot summer days and the peak evening hours when solar ...

## SDG& E expands battery storage, preps for summer heat

As temperatures climb across the region, San Diego Gas & Electric is ramping up efforts to ensure the power keeps flowing. From long-term infrastructure investments to ...





## Contact Us

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For inquiries, pricing, or partnerships:

<https://iceeng.co.za>

Phone: +27 11 568 9402

Email: [info@iceeng.co.za](mailto:info@iceeng.co.za)

Scan QR code for WhatsApp.

