

Bulk Procurement of Bidirectional Charging Containers for Energy Storage in Chemical Plants

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What is bidirectional charging & why is it important?

Bidirectional charging unlocks resilience benefits of EV batteries, offers demand-response capabilities, and can decarbonize backup power. Through V2G, bidirectional charging could be used for demand cost reduction and/or participation in utility demand response programs as part of a grid-efficient interactive building (GEB) strategy.

What is a bidirectional EV?

A bidirectional EV can receive energy (charge) from electric vehicle supply equipment (EVSE) and provide energy to an external load (discharge) when it is paired with a similarly capable EVSE.

Can bidirectional electric vehicles be used as mobile battery storage?

Bidirectional electric vehicles (EV) employed as mobile battery storage can add resilience benefits and demand-response capabilities to a site's building infrastructure.

What is a bidirectional EV battery?

The size of a light-duty EV battery (approximately 15-100 kWh) makes individual bidirectional units ideal for smaller applications like individual buildings, where they can optimize the use of PV and replace or supplement emergency diesel generators. Larger bidirectional EV fleets can be employed for larger applications.

Transform shipping containers into battery energy storage systems (BESS). These containers can house batteries for storing excess energy generated from renewable sources such as solar or ...

This chapter supports procurement of energy storage systems (ESS) and services, primarily through the development of procurement documents such as Requests for Proposal (RFPs), ...

On May 13, 2025, the New York State Energy Research and Development Authority ("NYSERDA") released a draft Index Storage Credit Request for Proposals ...

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The Implementation Plan provides an operating framework for the program, with additional details to be provided in Bulk Energy Storage program solicitations.

Bulk Energy Storage Request for Proposals FAQs during the course of this Procurement cycle. To help you finalize your bids the Bulk Storage RFP Team will be hosting a webinar on February ...

In contrast to stationary storage and generation which must stay at a selected site, bidirectional EVs employed as mobile storage can be ...

This initiative will help meet energy storage goals and complement the growing use of intermittent technologies on the transmission and distribution systems. The RFP will be conducted in two ...

In contrast to stationary storage and generation which must stay at a selected site, bidirectional EVs employed as mobile storage can be mobilized to a site prior to planned outages or arrive ...

Sabine Busse, CEO of Hager Group, emphasized the crucial importance of bidirectional charging and stationary energy storage systems for the energy supply of the ...

Adding Containerized Battery Energy Storage System (BESS) to solar, wind, EV charger, and other renewable energy applications can reduce energy costs, minimize carbon footprint, and ...

Sabine Busse, CEO of Hager Group, emphasized the crucial importance of bidirectional charging and stationary energy storage ...

On July 28, 2025, Governor Kathy Hochul announced the launch of New York State's first bulk energy storage competitive solicitation.

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