



## ASX RELEASE

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# Redflow awarded US Dept of Energy funds for 34.4MWh project

Redflow Limited (ASX: RFX), a global leader in clean energy storage, is pleased to announce that the U.S. Department of Energy (DOE) has approved funding for a 34.4 MWh long-duration energy storage (LDES) microgrid project in which Redflow has been named as the battery provider. The project will form part of the DOE's US\$325m LDES program which seeks to advance critical clean energy technologies, expand the adoption of renewable energy resources, and strengthen America's energy security.

A link to the DOE announcement can be found here <https://www.energy.gov/articles/biden-harris-administration-announces-325-million-long-duration-energy-storage-projects>. A link to the specific projects under the announcement, including the Children's Hospital Resilient Grid with Energy Storage where Redflow is named as the LDES provider can be found here: <https://www.energy.gov/oced/long-duration-energy-storage-demonstrations-projects-selections-award-negotiations>

The Children's Hospital Resilient Grid with Energy Storage (CHARGES) project will enable the Valley Children's Hospital in Madera, California, to replace diesel generators with cleaner, more cost-effective resources at the facility, and provide a roadmap for other hospitals and critical infrastructure throughout the country to implement similar projects. Redflow will collaborate on the system with its project development partner, Faraday Microgrids. The project is being sponsored, and expected to be co-funded by, the California Energy Commission (CEC).

Valley Children's Hospital in Madera is the only full-service pediatric facility in California's Central Valley and regularly faces extreme heat conditions, drought, coastal smog, and poor air quality. The 34.4 MWh long-duration energy storage and solar microgrid will enable the hospital to better serve the region's residents, even during power interruptions. This project also represents an important step toward meeting California's goal of installing 45-55 GW of LDES by 2045 to support grid reliability and its clean energy transition.

**Redflow CEO and Managing Director Tim Harris said:** "Our batteries are ideally suited for daily use in the Central Valley's extreme heat, and we're proud to provide the resources the hospital needs to ensure safe, reliable operations. This combination of our technology leadership, Faraday's trusted microgrid solutions, and the funding provided by the CEC and DOE all assist in transitioning communities to a cleaner, more energy-efficient future. We are

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delighted to see another project from our fast-growing pipeline of opportunities progress forward and ultimately support another community with its transition to renewable energy.”

The system is expected to maintain critical hospital operations during utility outages or shortages not attributable to earthquakes. In the event of obligatory natural gas or fuel cell shut-offs during seismic events, the systems will maintain facility operations for at least 18 hours after earthquakes.

Following the funding announcement, it is expected that CEC will proceed to negotiate funding agreements with the DOE, to seek the approval of its CEC Commissioners for the provision of matching funding, and then negotiate delivery agreements with Faraday Microgrids and Redflow.

Under the current project proposal, Redflow aims to supply 34.4 MWh of zinc-bromine flow batteries, enclosed in its modular energy pods, in late 2025. The timetable is indicative only and subject to final approvals and legal documentation.

In addition to Redflow batteries, the microgrid will be paired with other renewable energy resources to support decarbonisation, result in cost savings for the hospital, provide resilient infrastructure for the hospital in case of natural disasters and power outages, and provide overall grid benefits.

**Faraday CEO David Bliss said:** “We’ve set strong performance goals for this installation. Our team is looking forward to building upon our partnership with Redflow to deliver this and other projects, such as the 20 MWh battery and 5 MW solar microgrid for the Paskenta Band of Nomlaki Indians. We’re confident in our partnership’s capabilities to successfully deliver large, resilient, dispatchable 24/7 clean energy microgrids to health care facilities, tribes and other large grid customers throughout California and the United States.”

*This announcement was authorised for release by the Chairman of the Board of Redflow Limited.*

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## About Redflow

Redflow, a publicly listed Australian company (ASX: RFX) with offices in Australia and the US, designs and manufactures long-duration zinc-bromine flow batteries for stationary commercial, industrial, and utility applications. Redflow batteries are modular, scalable, fire-safe, and capable of 100% depth of discharge. They can also operate in a wide range of environments without supplemental heating or cooling and offer an extended life with minimal degradation over time. The company’s smart, self-protecting storage technology offers unique advantages, including a hibernation feature, secure remote management, a simple recycling path, and sustained energy delivery throughout its operating life. Redflow’s energy storage solutions have been in use for more than a decade at more than 250 sites in over 9 countries.

For further information, please visit: [www.redflow.com](http://www.redflow.com)