



Redflow Limited ACN 130 227 271

9 March 2021

Redflow signs its largest global battery sale to supply energy storage in California

Highlights:

- **Largest single sale and deployment of Redflow batteries globally**
- **2MWh energy storage system comprising 192 Zinc-bromine flow batteries to be provided to Anaergia for Rialto Bioenergy Facility in California**
- **More than US\$1.2 million (excluding taxes) to be received by Redflow for the system**
- **Establishes Redflow's presence in California, where substantial opportunities exist to offer energy storage solutions to the Californian and US energy market**

Redflow Limited (ASX: RFX; **Redflow**) is pleased to announce that it has signed an agreement with Rialto Bioenergy Facility, LLC to supply an energy storage system comprising 192 zinc-bromine flow batteries to support two megawatt hours (MWh) of energy and reduce peak energy use at Anaergia's Rialto Bioenergy Facility (**Facility**) as part of the Facility's microgrid. The Facility is a project developed by global waste recovery leader Anaergia Inc. (**Anaergia**).

The microgrid project was funded in part by a grant from the California Energy Commission and consists of the batteries, a biogas conditioning system to support a 2.0MW biogas-fuelled cogeneration unit, and a microgrid control system.

When fully operational, the Facility will be North America's largest landfill diverted organic waste digester facility. The Facility will convert 700 tons per day of organic waste and 300 tons per day of biosolids into renewable natural gas and Class A fertilizer. The Facility is located 50 miles (80 kilometres) east of Los Angeles and services the organic waste recycling needs of Los Angeles and the Southern California region.

Redflow will provide the Facility with an energy storage system including 192 10 kilowatt-hour zinc-bromine flow batteries and an associated battery management system to enable the Facility to store and supply up to 2MWh of energy during the daily 4-9pm peak tariff period.

Under the contract, Redflow will receive more than US\$1.2 million (excluding taxes) for the system. The total purchase price will be paid in stages including on signing, on shipment, on delivery of goods to site and on practical completion which is expected to occur in Q3 of CY21.

This agreement represents Redflow's largest single sale and deployment of batteries globally.

Anaergia Chief Operating Officer, Yaniv Scherson, said: "Anaergia selected Redflow's zinc-bromine flow batteries because they are uniquely suited to meet the demands of the Rialto site."

Redflow Managing Director & CEO, Tim Harris, said: "Anaergia's Rialto Bioenergy Facility provides the ideal use case for Redflow zinc-bromine flow batteries. Our batteries thrive on heat and hard work, which is exactly what Anaergia requires from them."

"This project also enables Redflow to establish a presence in California, where we can offer commercially-proven zinc-bromine flow battery solutions to the broader Californian and US energy market, which is expected to rapidly transition to renewable energy. We are very excited about the potential for Redflow in California and the broader US market."

The Californian Senate Bill 100 commits the State to decarbonising its electric grid by 2045. A recent study commissioned by the California Energy Storage Alliance (CESA) found California will need to deploy between 45 gigawatts (GW) and 55GW of long-duration energy storage if it is to achieve its target of eliminating greenhouse gas emissions from its electricity sector by 2045, representing over 150 times the energy storage currently built and operational in California since 2010.

Redflow's energy storage system will be delivered in the form of 12 newly designed "Energy Pods" – each containing 16 Redflow ZBM batteries and the power electronics needed to link with external inverters – to meet the Facility's requirements. While each battery has a rated energy storage capacity of 10kWh, in practice, each battery stores about 10.5 kWh of energy, meaning Redflow is comfortable to rate this system at 2MWh for Anaergia.

As well as training Anaergia's electrical contractors to perform the installation, Redflow will provide qualified technicians to support commissioning and site acceptance testing and any required maintenance. Redflow will also provide Anaergia with access to Redflow's battery management system to allow continuous monitoring and reporting.

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

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About Redflow www.redflow.com

Redflow Limited, a publicly-listed Australian company (ASX: RFX), produces small 10kWh zinc-bromine flow batteries that tolerate daily hard work in harsh conditions. Redflow batteries are designed for high cycle-rate, long time-base stationary energy storage applications in the residential, commercial & industrial and telecommunications sectors, and are scalable from a single battery installation through to grid-scale deployments. Redflow batteries are sold, installed and maintained by an international network of energy system integrators. Redflow's smart, self-protecting batteries offer unique advantages including secure remote management, 100 per cent daily depth of discharge, tolerance of high ambient temperatures, a simple recycling path, no propensity for thermal runaway and sustained energy delivery throughout their operating life.

About Anaergia www.anaergia.com/

Anaergia is the global technology leader in recovering value from waste for the municipal, industrial, and agriculture sectors. Through its proven portfolio of proprietary technologies, Anaergia's integrated solutions create value for its customers in the forms of renewable energy, quality fertilizers, and clean water, while dramatically reducing the cost of waste management. Anaergia's affiliates operate out of ten regional locations, including two manufacturing plants. Anaergia's technologies are in use at over a thousand resource recovery facilities worldwide, reducing greenhouse gas emissions while creating new revenue sources for its clients. For more information on Anaergia, please visit www.anaergia.com or contact info@anaergia.com.