



## Hydrostor engages AECOM to bring its long duration bulk energy storage solution to Australia's NEM in support of Finkel blueprint

**TORONTO, August 8, 2017** – Hydrostor Inc., a global leader in Compressed Air Energy Storage (CAES), today announced it has engaged the services of AECOM in Australia to support its entry into the market. AECOM is a premier, fully integrated global infrastructure firm, and Hydrostor's EPC partner in the deployment of its Adiabatic CAES systems globally. The engagement with AECOM's Australia team will assist Hydrostor's early stage project development efforts across the National Electricity Market (NEM). This work includes market assessments and site identification for deployment of the Hydrostor Terra™ solution in Queensland, New South Wales, Victoria and South Australia.

Hydrostor's CAES technology delivers the lowest installed cost per kWh available for bulk energy storage today. At half the cost of competing battery technologies, Hydrostor Terra™ is uniquely positioned to support several of the key outcomes outlined in Dr. Alan Finkel's report on the future security of the NEM.

First, Hydrostor Terra™ supports power system security. By utilizing synchronous equipment, the system provides essential security services in the form of physical inertia, system strength and voltage control. As thermal synchronous generators retire, Terra™ can play a vital role in delivering these essential services.

Second, Hydrostor's technology can help maintain system reliability as the penetration of variable renewable electricity (VRE) generators, like wind and solar, increases and thermal generators are retired. Hydrostor Terra™ has the flexibility to provide fast ramp rates and long duration dispatchable capacity more cost effectively than gas-fired generators. The system can also be paired with VRE generators to support renewables integration and avoid curtailed power output.

Lastly, Hydrostor Terra™ can help Australia lower its emissions and meet its international commitments. Unlike coal- and gas-fired alternatives, Hydrostor's bulk energy storage technology is emissions-free. Terra™ enables the transition away from fossil-fuel generation by delivering the same essential security services and dispatchable capacity, without the trade-off of increased emissions.

"Hydrostor's entry into the Australian market changes the conversation on cost effective, emission-free alternatives to fossil-fuel generation and limited storage technologies," said Curtis VanWalleghem, CEO of Hydrostor. "Hydrostor Terra™ beats natural gas to deliver essential services and dispatchable capacity, while offering longer duration and longer life storage of 30+ years versus batteries, at half the cost. Terra's sizing and siting flexibility also offers significant advantages over pumped hydro."

Terra™ can be deployed at any site within proximity to a body of water, including inner-city and urban areas, or using a surface pond as part of a closed loop system. Terra™ can also be installed in legacy mine sites or at retired coal-fired plants, repurposing site infrastructure for conversion

to energy storage and putting mine workers and coal plant operators back to work. Learn more about Hydrostor Terra™ at: [www.hydrostor.ca](http://www.hydrostor.ca)

**About Hydrostor Inc.**

Hydrostor Inc., a global leader in Compressed Air Energy Storage (CAES), offers long-duration bulk energy storage systems that enable utilities and electricity system operators, as well as commercial and industrial customers, to cost-effectively and reliably address the issues of reserve capacity, peak shaving, transmission congestion and renewables integration. Hydrostor Terra™ is a low-cost utility-scale storage solution that is emission-free, can be deployed at any site in proximity to a body of water, and has an unlimited cycle life over 30+ years. Learn more: [www.hydrostor.ca](http://www.hydrostor.ca).

**Contact Hydrostor:**

Alex Fuentes  
Vice President Business Development  
[alex.fuentes@hydrostor.ca](mailto:alex.fuentes@hydrostor.ca)