

Case Study

SA Water's Zero Cost Energy Future

Project Details

Client name
SA Water

Order date
March 2019

Delivery date
December 2020

Contract Type
Design & Construct

Contract value
Approximately \$300 million

Key Personnel

Program Director - Leon Cocchiaro

Program Manager - Vishnu Nair

Construction Manager -

Stephen Donaldson

Program Services Manager - Ben Birch

Project Manager (Zone A) - Scott Norton

Project Manager (Zone B) - Joe Devries

Project Manager (Zone C) - Alex Dreckow

Project Manager (Zone D) - Josiah Martin

Project Manager (Zone E) - James McCole

Project Manager (Zone F & G) - Jon Stringer

“Enerven and SA Water are continuing to work towards a Zero Cost Energy Future

The Customer

SA Water provide world-class water services to over 1.7 million customers across the state, including water sourcing, treatment and supply, sewage removal from homes and businesses, and sewage treatment and recycling. It is an immensely energy intensive industry, with SA Water's 18/19 energy bill coming in at \$80 million.

SA Water have always had a proactive approach to energy reduction and reducing their environmental footprint. They have developed an ambitious program of work that will see the energy they generate and export to the market off-set the cost of the electricity they draw from the grid and network charges, to achieve a zero-net outcome. The program is aptly named Zero Cost Energy Future. Sustainably reducing operational expenses, such as electricity, will enable SA Water to keep water service charges as low and stable as possible for their customers.

The Opportunity

There are seven initiatives as part of the Zero Cost Energy Future program and Enerven are working on the Solar PV and Energy Storage piece; delivering the infrastructure that will bring SA Water closer to their overarching goal. As part of the project Enerven will be installing 242GWh of solar generation and 35MWh of storage across a number of SA Water's sites around both metropolitan and

regional South Australia.

As energy specialists, the team at Enerven has the capabilities to develop solar and storage solutions that provide the most efficient, reliable, and cost-effective energy supply for our customers. This includes all elements of design, engineering, procurement, construction, maintenance and operation. We have access to a significant resource pool, covering all disciplines required for complex technical projects. Our dedicated team has the skills and experience to collaborate with SA Water and deliver a bespoke solution that meets their needs.

The Solution

The next phase of the project will involve the design, procurement, construction and commissioning of approximately 154MW of roof and ground mount solar panels and 34MWh of storage. This will be rolled out across approximately 80 SA Water locations in both metropolitan and regional South Australia.

“We are thrilled to have been awarded this contract, and to be continuing work on this important project with SA Water,” said Enerven General Manager Richard Amato.

“Like Enerven, SA Water has a long history in South Australia and cares about its long-term future,” he said.





The solution continued...

“To help SA Water on its way to a more sustainable future on the first phase of this project has been a real privilege, so we’re extremely proud to have the opportunity to continue that work in the next phase.

“From the design and the determination of the technical requirements to the procurement of equipment and project construction, we have been able to deliver SA Water an innovative one-stop solution for this project.”

Enerven’s vision for our customers is “Connecting you with tomorrow” and this project is another example of how we are helping our customers to achieve this through the delivery of complex and innovative solutions.

Enerven has demonstrated capability and systems to deliver large projects with multiple locations across the state and to tight timeframes, with experience on projects such as the nbn rollout, Lincoln Gap Wind Farm and the Bungala Solar Farm. We will be drawing heavily on our extensive project management skills to deliver this complex and innovative solution for SA Water.

Why Enerven?

Our experience in the market place, combined with expertise and industry knowledge, makes Enerven attractive to industry leaders such as Oz Minerals, Lendlease, AGL and BHP Billiton for their energy infrastructure needs.

Enerven invest heavily in the latest technology and the professional

development of our staff, which means we combine experience and history with innovation and technology to deliver solutions that address the evolving energy distribution requirements of the community.

With a strong supplier and partner network behind us, our highly skilled staff work closely with you to fully understand your specific needs and vision, and will tailor a solution to suit.

Delivering the highest standard of work in a safe and environmentally sustainable manner is our top priority, and we have an outstanding track record to prove it. We focus on building long-term relationships with our clients, we’re committed to working with you for the lifecycle of your project and beyond.

Who We Are

Enerven, an SA Power Networks Company, provides a range of construction and maintenance services, including HV transmission line construction, to clients both within SA and nationally. We believe innovations and technology will continue to drive efficiencies, but no more so than the experience, knowledge and capabilities of our people.

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