

Stanton Energy Reliability Center Public Q&A

Who is W Power?

W Power is a California certified woman-and-minority owned business enterprise (“WMBE”) focused on doing business in California’s energy industry.

W Power develops, builds, owns and operates community energy reliability centers (CERC). In California, W Power owns one center in Delano. In addition, W Power has developed another center in Tulare.

W Power believes in building lasting partnerships with the communities we serve. The ultimate result is an environmentally responsible, cost effective and reliable energy future for California. This is critical to California’s sustained economic health and maintaining the quality of life that our neighbors enjoy.

What is the Stanton Energy Reliability Center (SERC)?

The Stanton Energy Reliability Center (SERC) is a modern and innovative solution to the specific energy challenges of California.

Utilizing General Electric’s EGT™ Hybrid technology that has been jointly developed



with Wellhead, SERC will integrate a GE Battery Energy Storage System (BESS) with a GE LM6000 gas turbine to provide a state-of-the-art hybrid reliability resource for SCE’s customers.

At a high level, the primary focus of the EGT design is to add the battery’s charging and discharging capability *within* the existing range of the gas turbine as an integrated system, similar to the way a hybrid vehicle works.

This design results in a system that offers a very high level of responsiveness to grid reliability issues (typically caused by the intermittency of solar energy and wind energy) while reducing greenhouse gas emissions and facilitating greater renewables penetration on the electrical grid.

SERC will have a small footprint and will be blended into its surroundings. W Power has worked closely with the City of Stanton on architectural treatment, aesthetics, and landscaping design for the facility.

How was this location selected?

This location was identified as an area with a high need for this type of community infrastructure improvement as a result of exhaustive studies conducted by those charged with maintaining the safety and reliability of California’s energy grid.

What are the economic benefits?

The project will provide an economic boost for the local community by creating union construction jobs with millions of dollars in payroll. The project will pay hundreds of thousands of dollars in annual property taxes which will help fund community programs and priorities.

SERC has offered two scholarships to local high school students pursuing further education in science, technology, engineering and math. SERC has also financially sponsored landscaping for the Stanton Central Park and has committed to support ongoing park maintenance and improvements.

In addition to creating jobs and generating new tax revenue, local businesses and suppliers will benefit from the purchase of construction materials, supplies and services bringing substantial economic growth to the region as a result of our “Buy Local/Hire Local” program.

Where are you in the process?

The project is early in the process. Our permit application was filed with the California Energy Commission on October 26, 2016 and can be viewed at www.energy.ca.gov/sitingcases/stanton. We are committed to being good neighbors and to reaching out to all stakeholders.

Will the project hire locally and employ local union contractors?

The project is committed to using qualified union contractors to ensure a high-quality and competitive project and, to the extent practical, maximize participation by local labor. Through our “Buy Local/Hire Local” program, we remain committed to buying locally from neighboring suppliers whenever practical.

How will the facility address California's Climate Change Goals?

The selected technology will make significant contributions to California's efforts to reduce greenhouse gases (GHG) to 1990 levels by 2020. By enabling the maximum use of renewable resources (such as wind and solar), the SERC provides an exciting opportunity to help California meet its climate change goals.



How can we maximize the amount of renewable generation that will be used to replace the energy lost from the shutdown of San Onofre Nuclear Generating Station (SONGS)?

This is an extremely complex question that the numerous state agencies with a stake in managing our energy grid are working on. The loss of SONGS impacted both energy availability and local system reliability. SONGS handled a great deal of the ongoing power needs of the region with little backup necessary. The utilities are working to replace this power with as much renewable power as possible, but as mentioned, wind and solar power don't always provide consistent, reliable power.

The SERC allows a greater share of the SONGS replacement power to be from renewable sources, by providing a backup system when wind and solar power are not generating enough energy. This energy reliability center will provide for our grid reliability needs which are paramount to our quality of life and the health of our economy, while mitigating the community impacts of large, always-on gas plants.

What will the project look like?

The project has been designed to blend in with its surroundings. This is one of the exciting aspects of the SERC. The facility will be built with a number of different architectural treatments to reflect nearby buildings and surroundings. Working closely with the City of Stanton, this project is being designed to blend nicely into the Stanton community, as can be seen in the visual simulations contained within this Q&A.