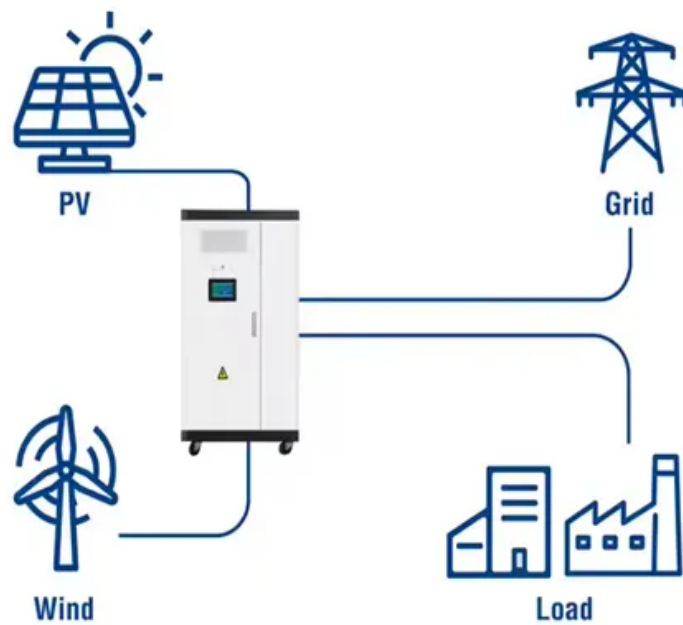


## European Solar and Energy Storage Solutions

# The ranch uses solar power

### Utility-Scale ESS solutions



## Overview

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Renewable America announced a major milestone for its Ranch Sereno Clean Power (RASE) project. After a two-year permitting process, Contra Costa County granted RASE a conditional use permit (CUP) on September 24, 2024, clearing the way for the development of a new solar and storage project in Byron, California.

Renewable America announced a major milestone for its Ranch Sereno Clean Power (RASE) project. After a two-year permitting process, Contra Costa County granted RASE a conditional use permit (CUP) on September 24, 2024, clearing the way for the development of a new solar and storage project in Byron, California.

The project was granted a conditional use permit by Contra Costa County. SANTA CLARA, Calif., Nov. 20, 2024 /PRNewswire/ -- Renewable America (RNA), a leading provider of distributed energy resources, local small utility-scale solar and storage systems, and multi-customer community microgrids projects in California, announced a major milestone for its Ranch Sereno Clean Power (RASE) project.

Its residents say Babcock Ranch is proof that an eco-conscious and solar-powered town can withstand the wrath of a near-Category 5 storm.

SANTA CLARA, Calif., Nov. 20, 2024 /PRNewswire/ -- Renewable America (RNA), a leading provider of distributed energy resources, local small utility-scale solar and storage systems, and multi .

Babcock Ranch, in Florida, runs on solar power and was built to weather the worst storms. After Hurricane Ian, the community didn't lose power or water, and it experienced minimal damage. How many solar panels power Babcock Ranch?

Around 700,000 solar panels power Babcock Ranch. "It's a great case study to show that it can be done right, if you build in the right place and do it the right way," said Lisa Hall, a spokesperson for Kitson, who also lives in Babcock Ranch.

Is Babcock Ranch America's first solar-powered town?

Babcock Ranch calls itself “America’s first solar-powered town.” Its nearby solar array — made up of 700,000 individual panels — generates more electricity than the 2,000-home neighborhood uses, in a state where most electricity is generated by burning natural gas, a planet-warming fossil fuel.

Is Babcock Ranch energy efficient?

The average Home Energy Rating Score (HERS) for homes at Babcock Ranch is 58—which Languell says is “25% more efficient than the Florida Energy Code, which is fairly stringent.” Electric heat pumps are used for all heating and cooling, though natural gas is used in some houses for cooking and water heating.

Can Babcock Ranch withstand storms?

Hundreds of thousands of people in Southwest Florida still don't have electricity or water. But Babcock Ranch, north of Fort Myers, was designed and built to withstand the most powerful storms.

## The ranch uses solar power

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### One Florida community built to weather hurricanes ...

Wilkerson has worked in the solar industry since the 1980s, and one of the things that drew him to Babcock Ranch is its innovative use of solar energy: 870 acres of land owned by the development sport 650,000 ...

### Renewable America Obtains Conditional Use Permit for Ranch ...

2 ???· The project was granted a conditional use permit by Contra Costa County. SANTA CLARA, Calif., Nov. 20, 2024 /PRNewswire/ -- Renewable America (RNA), a leading provider ...



### Renewable America gets go-ahead for new 2.48-MW California ...

1 ??· Renewable America announced a major milestone for its Ranch Sereno Clean Power (RASE) project. After a two-year permitting process, Contra Costa County granted RASE a ...

### Antelope Valley Solar Ranch One

Antelope Valley Solar Ranch One is one of the

largest solar photovoltaic projects in the world, with approximately 3.8 million solar panels. The project is owned and operated by Constellation. The project is a 242-megawatt solar photovoltaic

...



## Renewable America Obtains Conditional Use Permit for Ranch ...

2 ???· SANTA CLARA, Calif., Nov. 20, 2024 /PRNewswire/ -- Renewable America (RNA), a leading provider of distributed energy resources, local small utility-scale solar and storage ...

## How do solar panels work? Solar power explained

Solar inverters convert DC electricity into AC electricity, the electrical current appliances run on when plugged into a standard wall socket. Other types of solar technology include solar hot water and concentrated solar ...



## Agrivoltaic Systems (Pros & Cons To Consider) - greenupside

An agrivoltaic system is a dual land-use system where solar energy and agricultural outputs are produced at the same time. Agrivoltaic describes two complementary land uses-solar power ...

## California Valley Solar Ranch , The Center for Land Use ...

California Valley Solar Ranch is one of two solar power plants in the high and dry Carrizo Plain of Southern California. Construction started in 2011, and was complete in 2013, with the ...



## Renewable America Obtains Conditional Use Permit for Ranch ...

2 ???· Based in Santa Clara, Renewable America has over 320 megawatts MW of solar and 680 MWh of energy storage projects under development throughout California. Learn more at ...

## Back-up Power on the Ranch: Solar Power Systems vs. Generators

This means you will not have power during outages. If your goal is to use solar as your back-up power, then you will have to purchase a system that will automatically disconnect from the ...



## Babcock Ranch: America's First Solar-Powered Town

The electrons generated by the solar field go to the Babcock Ranch substation to power the community. The remaining energy goes to the grid. "The 150 megawatts can power over 30,000 homes and it takes about ...



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