

Solar Energy South Africa

Stone edge farm microgrid Serbia

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[Stone Edge Farm Winery's Vision](#)

In this overview of the Stone Edge Farm Estate and Winery Microgrid, Mac McQuown discusses his vision for the Stone Edge Farm Microgrid, and the first true test of the microgrid: the 2017 Sonoma wildfires. It was through this test that Heila co-founder Jorge Elizondo further developed the vision for the company. [Read Story](#)

» News

Stone Edge Farm, the home of Mac and Leslie McQuown, is a beautiful 15-acre organic farm and vineyard located in Sonoma, California. Our microgrid is unique in terms of its three modes of operation with reference to the grid. Craig Wooster discusses Stone Edge Farm MicroGrid Project at Intersolar, Solar Builder Mag July 2015 [Meet the 80](#)



Events

Join Stone Edge Farm and vintners of the Moon Mountain District in Sonoma for a spectacular master class and tasting showcasing the exquisite, small production wines produced in this special AVA. Meet the vintners and taste among the vines at the historic Monte Rosso Vineyard in our beautiful mountainside setting.

Stone Edge Farm MicroGrid - An independent ...

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Stone Edge Farm

Stone Edge Farm (SEF) is owned by a wealthy retired financial expert (<https://sefmicrogrid/>). This small (7 ha) winery in Sonoma CA showcases multiple mature and near-mature technologies. Its main loop is a 480 Vac 3-phase system with 7 points of common coupling to Pacific Gas and Electric distribution.

Stone Edge Farm Microgrid Wins California's

Join us at Microgrid 2019 in San Diego. The 16-acre Stone Edge farm describes itself as a "demonstration farm for what is possible," at the cutting edge of soil, water, air and energy conservation. Cover crops and extensive composting ensure soil and plant health, and monitoring technologies have cut water use in half.



Stone Edge Farm's microgrid and the future of energy

Stone Edge Farm has developed a state-of-the-art microgrid that integrates energy generation - solar, microturbine, and hydrogen fuel cells - with storage - batteries and hydrogen - and real time monitoring and control.



Experiences from the Stone Edge Farm Microgrid

Stone Edge Farm (SEF) Microgrid Project
Introduction Capabilities

- o Grid-tie mode:
- o Peak shaving and load shifting
- o Frequency and voltage response as a single entity
- o Decentralized optimization
- o Island mode:
- o Decentralized power sharing
- o Master swapping
- o Seamless islanding / reconnection capabilities



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