



ADVANCED POWER & ENERGY PROGRAM
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March 12, 2018

AASHE STARS LETTER OF AFFIRMATION

UCI INNOVATION A: Oak View (CA): An Emerging Advanced Energy Community

To Whom It May Concern:

I write to confirm the innovative nature of the UCI-led project to demonstrate a pathway for converting low-income neighborhoods into models of energy efficiency, the details of which are described elsewhere in this credit.

The project has been acknowledged by the California Energy Commission, which awarded UCI's Advanced Power and Energy Program and its partners a grant to design a replicable, economic and safe method for transforming low-income communities into low-energy-use communities. The project is pioneering on many levels, more specifically for its potential to improve quality of life, strengthen community partnerships, and encourage wider adoption of advanced energy technologies.

- This advanced energy community project is unique because it has the potential to significantly improve the quality of life of individuals in disadvantaged communities who are impacted by high exposure to pollutants, low energy efficiency, and have little access to renewable power and zero emission transportation technology.
- The design is being developed in close partnership with community organizations that include the Ocean View School District, the Orange County Community Housing Corporation, Jamboree Housing, Republic Services, and Zodiac Aerospace. These organizations are the most important low-income housing, educational, and industrial organizations in the Oak View community.
- The design includes a host of energy-efficiency measures and integrates solar PV; renewable gas production; shared-use battery-powered electric vehicles that utilize smart charging, vehicle-to-grid operation, and zero emissions mobility; stationary battery energy storage; and a smart energy management and control system to support the community and interact with the utility grid network.

Professor Jack Brouwer, Associate Director of the Advanced Power and Energy Program (APEP), and APEP Associate Development Engineer Robert Flores are leading the Oak View project in concert with an impressive group of partners representing local government, a technology developer, investor-owned utilities, and a national laboratory.

Sincerely,

A handwritten signature in black ink, appearing to read "Scott Samuelson". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Scott Samuelson
Director, Advanced Power and Energy Program
Professor, Mechanical, Aerospace and Environmental Engineering