Summary

Community Electricity Team:

Community Electricity is a Climate Tech start-up that designs, finances, and implements Prosumer Communities. We integrate all-electric, resilient, and transactive affordable housing with electric micro-transit, decarbonizing cities at scale. Community Electricity is also a contractor on the Bassett-Avocado Advanced Energy Community (BAAEC)[1] project funded by the California Energy Commission (CEC). The BAAEC project is implementing a combination of distributed energy systems including community-scale solar and storage, a microgrid resiliency hub, prosumer (producer + consumer) homes equipped with solar PV, battery storage, heat pump water heaters, and electric vehicle charging stations with a community mobility program. Our team will also perform a simulation of a transactive energy network between 50 prosumer homes to demonstrate the benefits of such an ecosystem to advance towards our decarbonization goals.

Community Electricity's experience with the BAAEC project demonstrates the ability to effectively manage and implement large-scale projects with a diverse team of partners. CE has also recently been awarded the Design phase of the "The Next EPIC Challenge: Reimagining Affordable Mixed-Use Development in a Carbon-Constrained Future", another CEC grant. The vision for the EPIC project is to create decarbonization benefits in disadvantaged communities (DACs) while providing affordable, reliable energy in a way that benefits both customers and the electricity grid. The project is a multi-parcel low-rise design in Santa Ana. The proposed design will replace an underutilized, 1960's C-class office complex with 160 apartments in 4 stories.

[1] https://advancedenergycommunity.org/

CE Vision: A world powered by decentralized, decarbonized, democratized, and digitized (4Ds) prosumer communities in which all stakeholders (individuals, organizations, administrations) are incentivized and empowered towards climate action.

Dr. Julie Albright:

Dr. Julie M. Albright is a digital sociologist at Cal State Los Angeles with two counseling degrees and is a faculty member in the Departments of Applied Psychology and Electrical Engineering at the University of Southern California. Dr. Julie Albright is also an author. Her book “Left to Their Own Devices: How Digital Natives are Reshaping the American Dream” touches on the impact of digital technologies on society. Published in April 2019 by Prometheus Books and distributed by Penguin House, it was chosen as a Top 30 Bloomberg Book of the Year. Her following book, “The Cloud Machine”, co-authored by Mr. Dean Nelson, will give readers a peek behind the scenes of global digital infrastructure, its impacts, and implications, and where we're going as a connected world.

As a sociologist at Cal State University, Julie has built connections in the disadvantaged communities of East Los Angeles and the surrounding area through her Civic Learning courses, where students develop and implement community-based projects focused on bridging the digital divide. The area surrounding Cal State LA, East Los Angeles, is a designated disadvantaged community and is 96.2% Hispanic. Dr. Albright also has experience managing large-scale community energy projects: She was the Co-PI for a $121 million Smart Grid Demonstration Project funded by the Dept of Energy (DOE) with LADWP, USC Information Sciences Institute (ISI), the Jet Propulsion Lab (JPL), and UCLA. She is also the former Managing Director of the USC Energy Institute.

The Energy Coalition:

TEC is a California-based 501(c)3 nonprofit with over 45 years of experience designing and implementing strategies that transform energy use, generate capital and inspire people to take responsible energy

actions. TEC is currently managing the Bassett-Avocado Advanced Energy Community (BAAEC) project funded by the California Energy Commission (CEC). The BAAEC project is implementing community-scale solar and storage, a microgrid resiliency hub, advanced energy homes equipped with solar PV, battery storage, heat pump water heaters, a simulation of a transactive energy network, and electric vehicle charging stations with a community mobility program. TEC's experience with the BAAEC project demonstrates the ability to effectively manage and implement large-scale projects with a diverse team of partners.