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## **Gaps in the Innovation Ecosystem**

Our CalTestBed FLEXLAB installation led to our investment in designing and building a 672sf home in Chico that produces 2 million more watt-hours than it consumes annually, has superior time-of-day load suppression with its 500 kwh battery and just 7 solar panels.

Lessons learned from the Chico home have resulted in 3 patents pending for advanced but AFFORDABLE windows and envelopes that yield a suite of CBECCs-modelled Net Zero Energy Accessory Dwelling Unit designs with a 288sf Studio targeting \$75-90,000 complete cost and a 1 BR targeting \$120,000.

We are sitting here thinking we have a clean energy solution to California's affordable housing shortage, and yet we have failed to qualify for awards from BRIDGE, ETCC (who suggested we apply to CalNext), and CalNext (who recognized our service to DACs but then turned us down). CalMTA previously brushed us off their doorstep.

We have invested in California, but California has not invested in us taking our next step since our CalTestBed original award of 4 years ago. We have made remarkable progress nonetheless, but we would be so much farther along faster with a little bit of support for our efforts.

Despite working through California Professional Engineers, we anticipate that HCDs pre-approval process will be filled with more no's and sticks than yesses and carrots. I would welcome a pro-active problem solving partner on the public side in serving the public interest in the approval process.

California will be well served in addressing these issues.