

SCE Zero Net Energy

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Emerging Technologies Program
New Program Development & Launch
Southern California Edison



[ZNE video on Edison.com](#)



Emerging Technologies Program

Seeks to accelerate the introduction of innovative energy efficient technologies, applications and analytical tools in CA

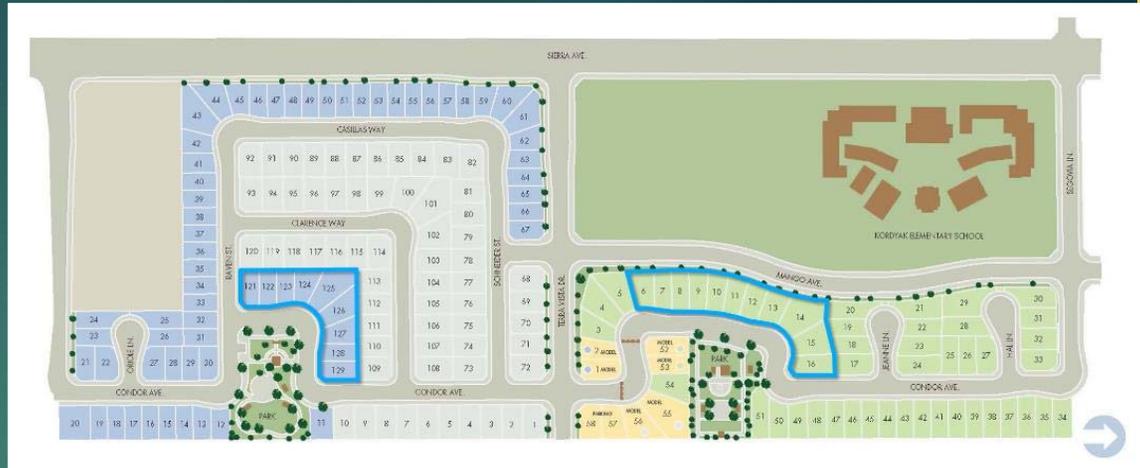
	Project Name	Sector	Type	Vintage	Status
1	Irvine Smart Grid Demonstration (ISGD)	Residential	Community	Retrofit	Complete
2	ABC Green Home 1.0 & 2.0	Residential	Custom Home	New Construction	Complete, In Progress
3	ZNE Home at Edenglen	Residential	Production Home	New Construction	Complete
4	Grid Integration of ZNE Communities	Residential	Production Community	New Construction	In Progress
5	Low Income Multifamily (LIMF)	Residential	Low Income Community	Retrofit	In Progress
6	Low Income Residential Retrofit	Residential	Low Income Home	Retrofit	Complete
7	Solar Decathlon Student Mentorship	Residential	Residential Education	New Construction	In Progress
8	ZNE Recreation Facility Retrofit	Commercial	College Recreation	Retrofit	Complete
9	ZNE Training Facility Retrofit	Commercial	Training Facility	Retrofit	In Contracts
10	ZNE Office	Commercial	Office Development	New Construction	In Contracts
11	ZNE Schools Pilot (Proof of Concept)	Commercial	Education	Retrofit	In Progress

Grid Integration of ZNE Communities

Fontana



Collaboration

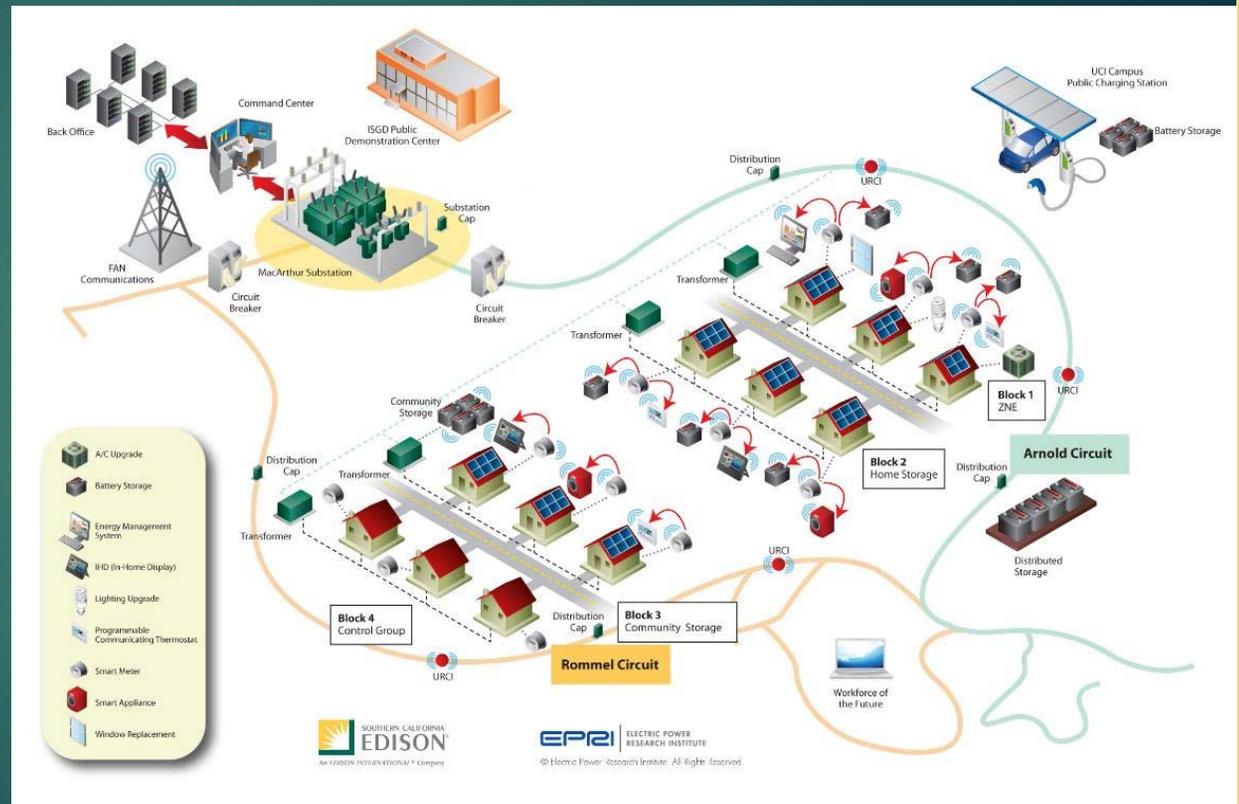
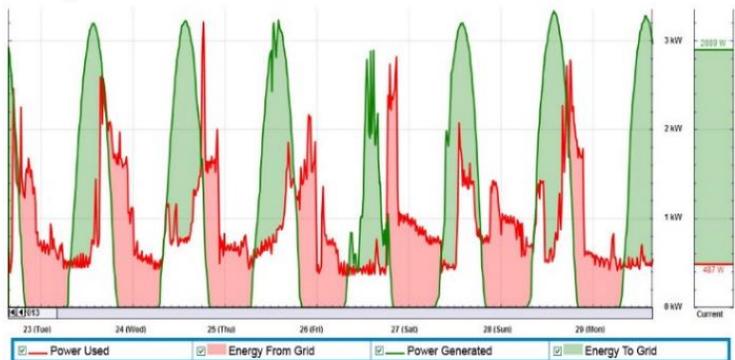


Technology



Monitoring

Real-Time Power Demand
Net Energy = 10.1 kWh sold



Multi-Family Retrofit Lancaster

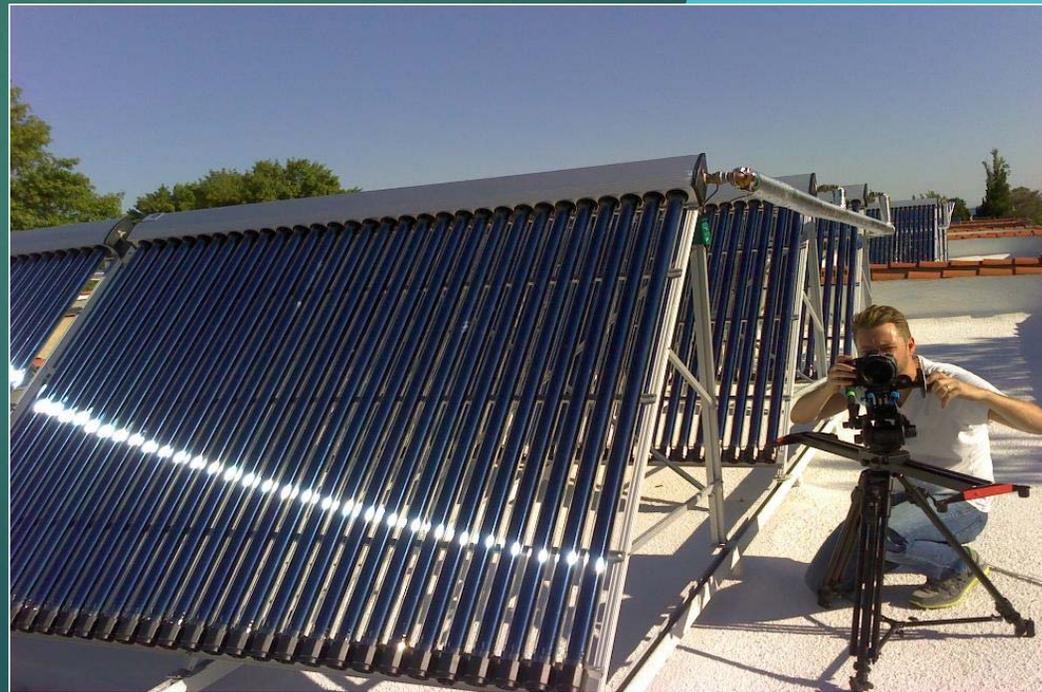
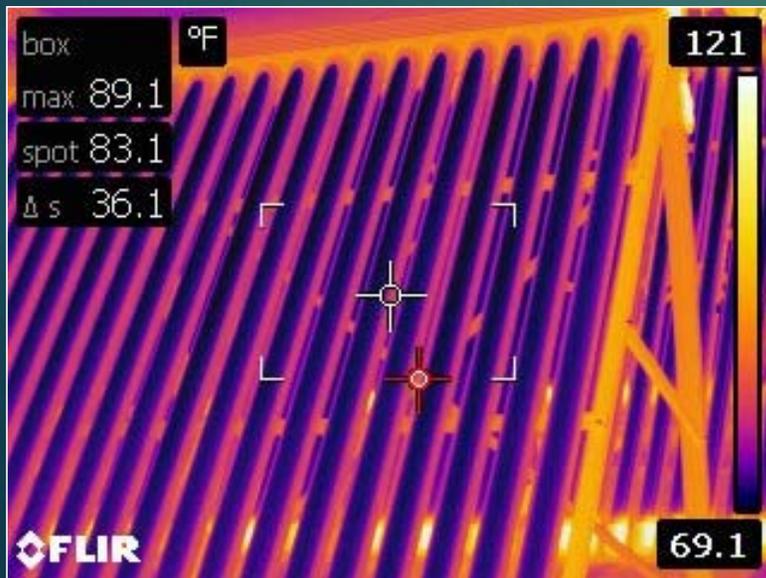


1,000s of existing multi-family units across California



A Team Effort

The Electric Power Research Institute (EPRI) is the project lead, with the California Energy Commission, Southern California Edison, SoCal Gas, BIRAEnergy, and LINC Housing are project stakeholders.



Advanced Building Diagnostics

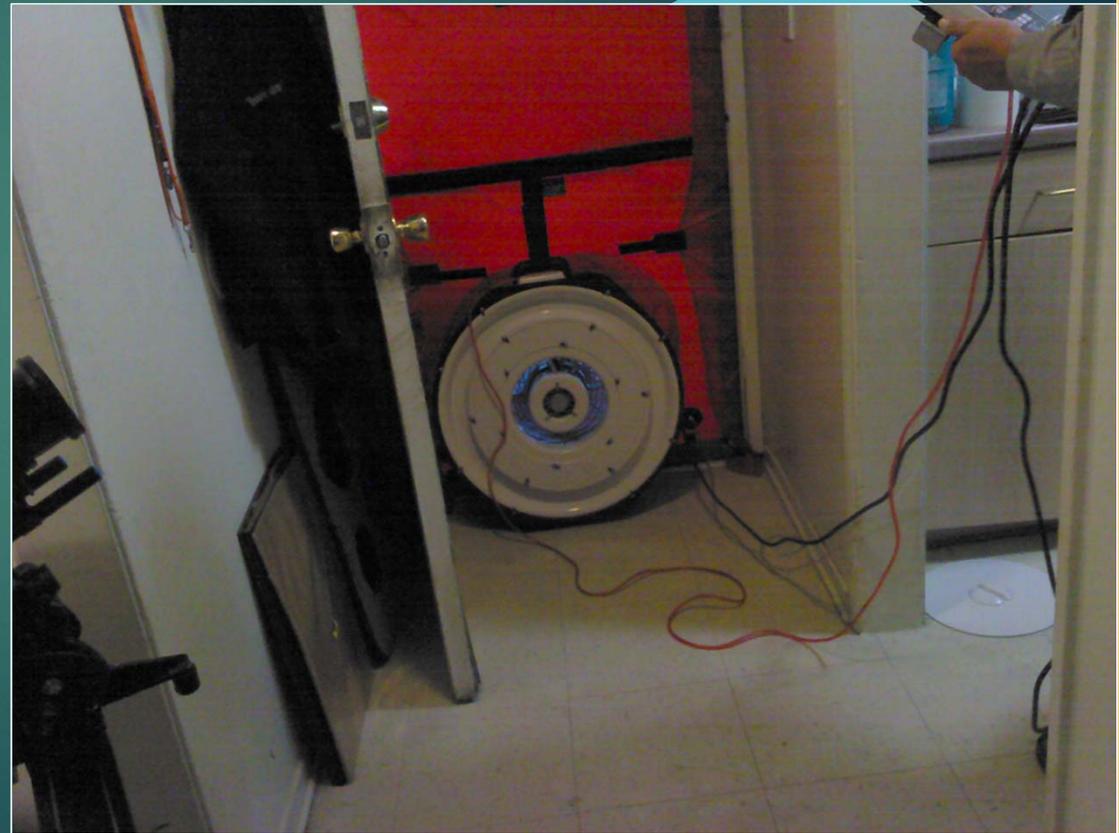
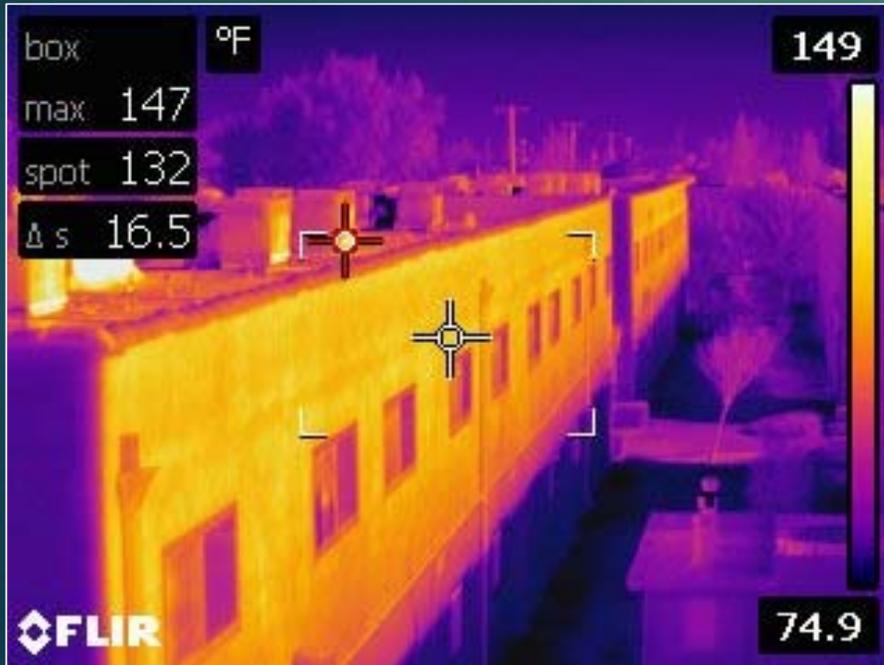
This ZNE Retrofit showcases a range of high-efficiency Demand Side Management (DSM) technologies on 30 units in a 100 unit apartment complex of 1970's low-income multi-family (LIMF) type housing.



Ductwork Sealing / Replacement



Building Envelope: Air Leakage Reduction



A key element of this work is to help develop **replicable** & scalable financial models by identifying and addressing **market barriers**. Detailed results are then **published** and disseminated statewide.



Thank You

Have an emerging technology idea? DSMIdeas@sce.com

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