

Transforming the Market

Moving Existing Homes and Communities towards Zero Net Energy

PACE is moving the existing residential market to Zero Net Energy (ZNE) much quicker than we realize. Because PACE is meeting consumers "where they are" during key decision points and providing successful behavior interventions, a significant shift towards high efficiency products is occurring. Coupled with an already strong appetite for solar, and a strong value proposition, many homes are nearing ZNE or shifting from net consumers to net producers. For homeowners, the transition to a ZNE home means not only stronger control over utility costs, but healthier and more desirable homes. For communities, the proliferation of ZNE means greater resiliency to climate risks and natural disasters, a lower environmental footprint, and the ability to rethink their role in the energy grid.

Two trends towards ZNE:

NON-SOLAR HOMES
More easily and more affordably achieve ZNE as the combination of **MORE EFFICIENT SYSTEMS** and **INCREASED PROLIFERATION OF SOLAR** occurs.

EXISTING SOLAR HOMES
Shift from **NET CONSUMERS** to **NET PRODUCERS** as more efficient systems replace older ones.




Changes at the Community Scale

 Communities are **SHIFTING TOWARDS LOWER ENERGY INTENSITY** as PACE accelerates the adoption of energy efficiency and solar.

 The shift to ZNE is **CREATING COMMUNITIES THAT ARE MUCH MORE RESILIENT TOWARDS CLIMATE RISKS** such as heatwaves, fire and the associated health and infrastructure impacts.

Case Study: City of Riverside

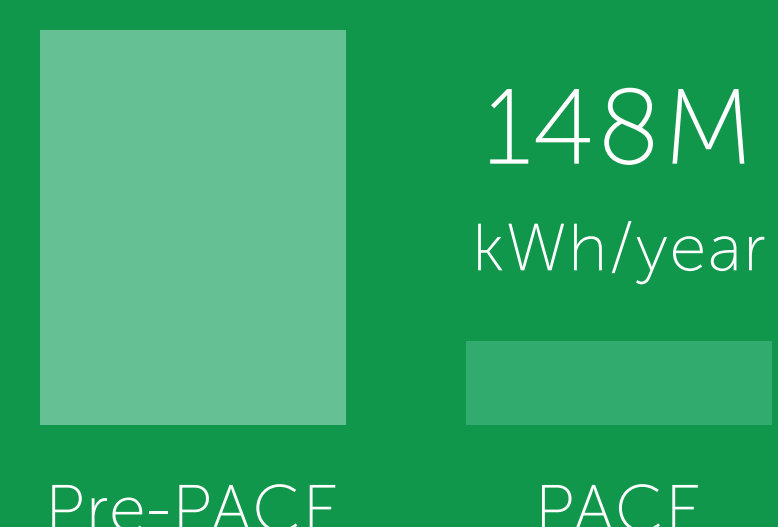
Reductions Per Home

 **2,591 KWH/YEAR**
reduction from solar generation

 **4,362 KWH/YEAR**
reduction from energy efficiency

Residential Energy Demand Per Home

700M
kWh/year



\$2.6 BILLION
Local Economic Stimulus

146K TONS
Annual CO2 Reduced

108 MEGAWATTS
Locally Installed Rooftop Solar

*City of Riverside's Electric Financial Statements 2013-2014