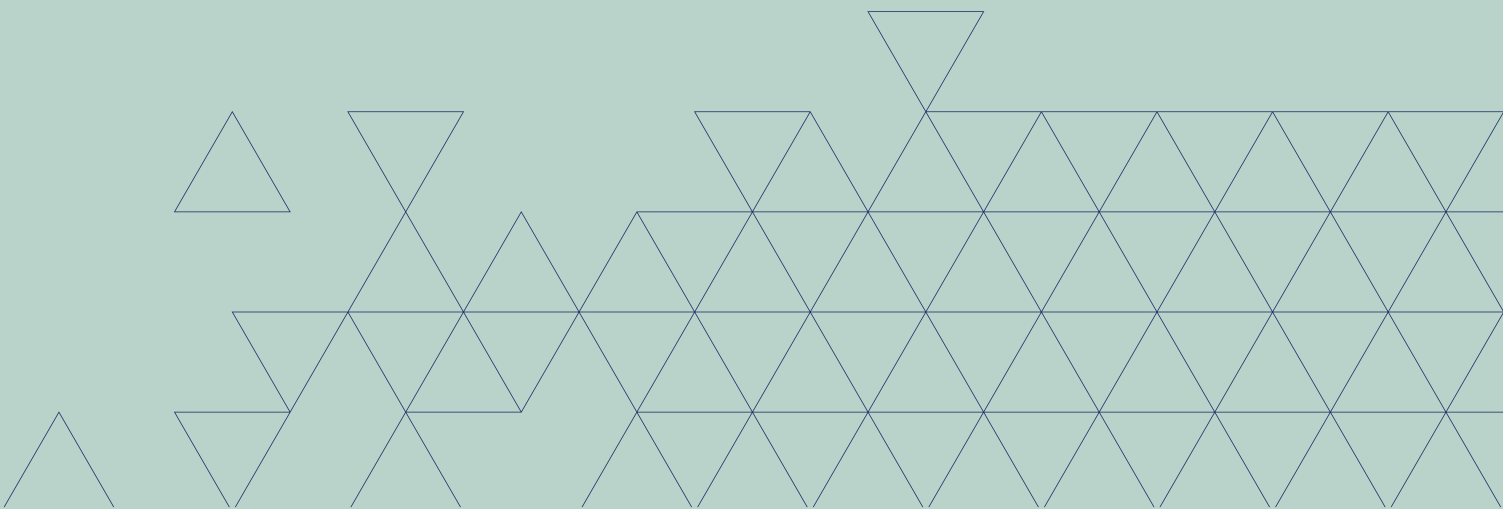


OMNETRIC






A Siemens Company

Community Energy equation

Demonstrating the economic viability of the
Community Energy concept



Community Energy equation demonstrating the economic viability of the Community Energy concept

	Scenario 1: Individual approach	Scenario 2: Community Energy approach
 Average home(s)	1	100
 Solar capacity	5 kW	500 kW
 Storage capacity	8 kW	800 kW
 Relationship to the grid	<ul style="list-style-type: none"> • 7,870 kWh of solar production annually • Battery storage shaves over 100% of peak time of use charges with smart management • House-by-house installation and interconnection 	<ul style="list-style-type: none"> • 7,954,054 kWh of solar production annually • Battery storage shaves over 100% of peak time of use charges with smart management • Leverages project cost efficiencies and ability to aggregate solar production and battery storage
 Benefits	<ul style="list-style-type: none"> • Net present value over 25 years including battery replacement: USD 7,296 • Average electricity bill savings of USD 2,700 per year over 25 years • Hedges against future electricity price increases reaching upwards of 3% per year • Enhanced self-sufficiency and reduced environmental impact 	<ul style="list-style-type: none"> • Saves USD 3,900 in capital costs per household compared to scenario 1, a 17.5% discount, even factoring in land acquisition costs • Net present value over 25 years including battery replacement and land leasing costs: USD 10,485 per home • Average electricity bill savings of USD 2,700 per year over 25 years • Hedges against future electricity price increases reaching upwards of 3% per year • Provides those without ability to install solar an opportunity to take advantage of solar + storage benefits • Enhanced community engagement, self-sufficiency, and reduced environmental impact • Offers an aggregated resource that can be utilized for demand response and/or grid ancillary services

Source: Based on research and modelling using National Renewable Energy Laboratory's System Advisor Model (NREL SAM): <https://sam.nrel.gov> and its U.S. Photovoltaic Prices and Cost Breakdowns: Q1 2015 report: <http://www.nrel.gov/docs/fy15osti/64746.pdf> for the San Diego, California region.

About OMNETRIC

OMNETRIC is dedicated to helping energy providers reap the benefits of the digital energy system by integrating their energy operations with IT to support their business goals.

Our global team of engineering, IT, security and data experts brings extensive industry experience to help customers discover and exploit data intelligence to capitalize on industry change, and realize new business models.

Helping customers since 2014, we are an inventive, technology services company.
For more, visit www.omnetric.com.

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