



## How to maximize the ROI of your solar investment

### Fact Sheet

Koolbridge Solar primary market focus is on the new Residential Sector, where over 90,000 new homes a month are projected. Builders and homeowners alike are demanding increased efficiencies and economic value. HUD forecasts new home growth in the United States will average 100,000 per month during this decade. Of these new homes, 15% are installing solar systems in their new homes. Additionally, 85% (918,000) new non-solar built homes can become Solar Ready and have access to energy utilization data. There are approximately 132 million existing homes in the United States that are potential solar ready customers. By readying new homes for future solar panel installation or battery backup, the growth potential for investors and the Company is enormous, as is the market for upgrading existing homes.

Solar photovoltaic (PV) power will eventually dominate global energy. The main reason is because solar PV is different from every other source of electricity, in ways that make it uniquely well-suited to 21<sup>st</sup>-century needs. As of right now, solar provides 1% of the world's electricity. And today, smart investors have an opportunity at some red hot gains off of short-term solar play as solar use expands. There is no way around it, solar is becoming a force to be reckoned with. It's no longer a foolhardy speculation on Wall Street. Solar firms are growing faster and faster.

#### Consider these key figures:

- Through Q1, 2015, nearly one-fourth of cumulative residential solar installations

have now come on-line without any government incentives.

- The residential and utility PV market segments each added more capacity than natural gas industry brought on-line.
- Collectively, more than 51% of all new electric generating capacity in the U.S. came from solar in Q1, 2015.
- More than 5 GWdc of centralized PV has now been procured by utilities based on solar powers economic competitiveness with fossil-fuel alternatives.
- Another record year in 2015 is expected with installations reaching 7.9 GWdc, a 27% increase over 2014.
- The fastest growth is projected to come from the residential segment, followed by non-residential segment.

#### Solar PV is different from other energy sources – in one crucial way:

- First, a solar cell has no moving parts, so operation and maintenance costs tend to be very low. It has to be kept clean, but that's about it.
- Second, a solar cell requires no fuel — so fuel costs are zero. Once the initial investment is paid off, and subtracting modest O&M costs, the power produced is free.
- And third, a solar cell generates power without any pollution.

#### Why solar is growing so rapidly with new home construction:

- Differentiates their communities from other builders and the existing home resale market.

- The retrofit market demonstrates the demand.
- Solar homes sell faster and for more money than comparable non-solar.
- Higher pride of home ownership and lower cost of operation.
- Energy packages make the most sense aesthetically and financially when they are designed and built in the construction and mortgage of the home.

**Benefits of Solar to Home Builders and Buyers:**

- Homes are more competitive compared to fossil fuels.
- Solar homes sold 20% faster than the equivalent non-solar.
- Buyers are more interested in solar than the equivalent non-solar.
- 88% of homebuyers are looking for energy efficient features on their new homes.
- Homes with solar sell for higher prices – increased sales.
- Solar homes sold for 17% more than similar homes without solar.
- More satisfied customers—increased Customer Satisfaction.
- Homeowners with solar typically have lower monthly energy costs which results in higher satisfaction.



**For additional information, please contact:**

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**Home Solar Cost Justification (5kw of PV panels, two-7 kw inverters and 2- batteries**

Initial cash outlay:	
5 kw PV Panels	\$2750
Inverters	\$1400
Smart Load Center	\$ 600
Solar Combiner	\$ 250
2-Back up Batteries	\$1600
Installation	\$2000
<b>Total</b>	<b>\$8600</b>
Yearly Cost Savings grid electric saved (6000 kwh \$ 600	
ROI	6.9%
Increase in home resale value	17%

**Home Solar Cost Justification (5kw of PV panels, two-7 kw inverters and 2- batteries with upfront 30% government subsidy**

Initial cash outlay:	
5 kw PV Panels	\$2750
Inverters	\$1400
Smart Load Center	\$ 600
Solar Combiner	\$ 250
2-Back up Batteries	\$1600
Installation	\$2000
<b>Total</b>	<b>\$8600</b>
Minus Government 30% Subsidy	-\$2580
Annual Savings in grid power	\$ 600
ROI	\$11.95%
Increase in home resale value	17%

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