

Solar impact on Mortgage

	<u>4 kW Solar Install Retrofit</u>	<u>4 kW Solar Install New Construction</u>
System Cost	\$15,000	\$12,000 (\$10,600 with NSHP Rebate)*
GC 15% mark up	\$0.00	\$1,800
Total	\$15,000	\$13,800
<u>Minus 30% Federal Tax Credit</u>	<u>(\$4,500)</u>	<u>(\$4,140)</u>
Net Cost to Home Owner	\$10,500	\$9,660
Monthly cost if added to mortgage (30 years @ 4.25%)	N/A	\$49.00 per month
Monthly cost with PACE financing (20 years @ 8.5%)	\$91.00 per month	N/A
Monthly cost of \$500,000 mortgage (30 years @ 4.25%)		\$2,460.00
Monthly cost of \$509,660		\$2,509.00

\* Developer may be eligible for further rebates of up to \$0.35 per watt (\$1,400.00 for 4kW), depending on New Solar Homes Partnership (NSHP) available funds and reduction of incentive levels as capacity is used

Company ?



Ratings & reviews ?



EQUIPMENT

Panel manufacturer ?

LG ↗

Hanwha Q Cells ↗

Suniva, Inc. ↗

Trina Solar Energ... ↗

Trina Solar Energ... ↗

Hyundai ↗

Panel rating ?



FINANCING OPTION



Cash Purchase ?

Cash Purchase

Cash Purchase

Cash Purchase

Cash Purchase

Cash Purchase

Cash Purchase



Purchase with Loan ?

**LOAN**

**LOAN**

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SOLAR COSTS & BENEFITS

Net system price ?

\$32,032

\$26,656

\$29,488

\$30,422

\$35,845

\$34,206

Price per Watt (\$/W) ?

\$3.25

\$3.20

\$2.95

\$2.99

\$3.79

\$3.34

Down payment ?

Monthly payment year 1 ?

\$309

\$225

\$360

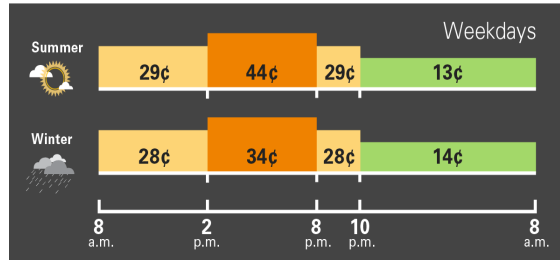
\$141

\$305

\$359

First year, first month electricity cost calculated by EnergySage...

### TOU-D-A Pricing and Time Periods



Monthly Baseline Credit: 10¢ per Baseline kWh | Daily Basic Charge: 3¢  
Minimum Daily Charge: 33¢

**Summer Rates:**  
June through September, 4 months

**Winter Rates:**  
October through May, 8 months

**Price/kWh:**

- Super Off-Peak
- Off-Peak
- On-Peak

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### Retrofit Install

### New Construction

### Net Monthly Financed Cost

SCE cost offset *	\$137.00	\$137.00
Monthly solar cost **	(\$91.00)	(\$49.00)
Monthly savings	\$46.00	\$88.00

\* SCE cost offset based on 6,000 kWh of annual production @ a blended pro forma rate of \$0.2733 per kWh. Pro forma rate is net of Nonbypassable Charges (NBCs) of \$0.0261 per kWh.  
6,000 x \$0.2733 = \$ 1,640 annual cost offset; \$1,640 / 12 = \$137 monthly cost offset.

\*\* Monthly solar cost based on 8.5% fixed interest rate for retrofit install and 4.25% for new construction.