

ROOFTOP SOLAR

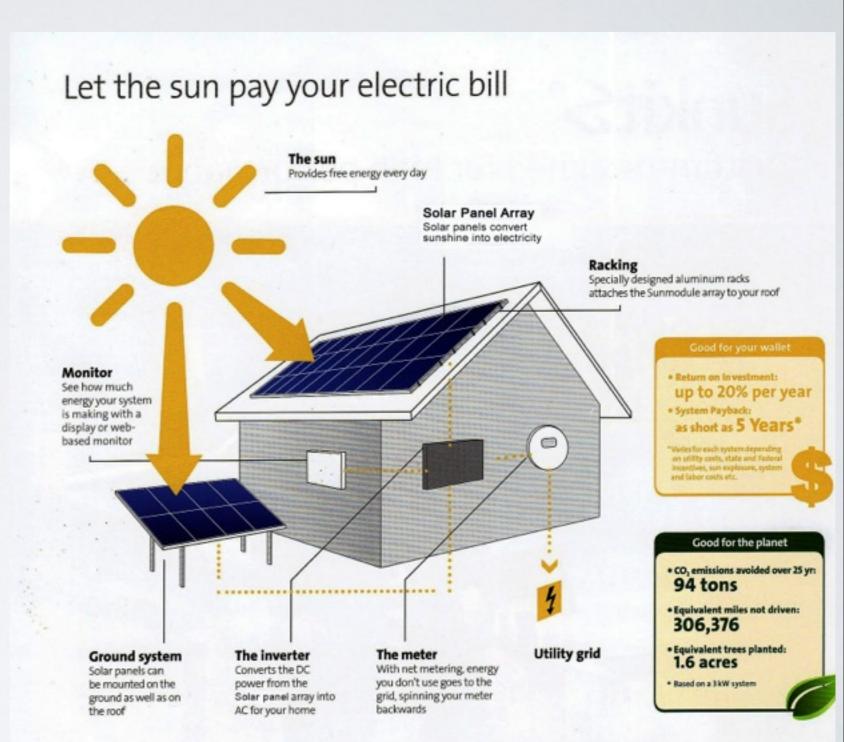
The Renewable Riviera

WHAT IS SOLAR POWER?

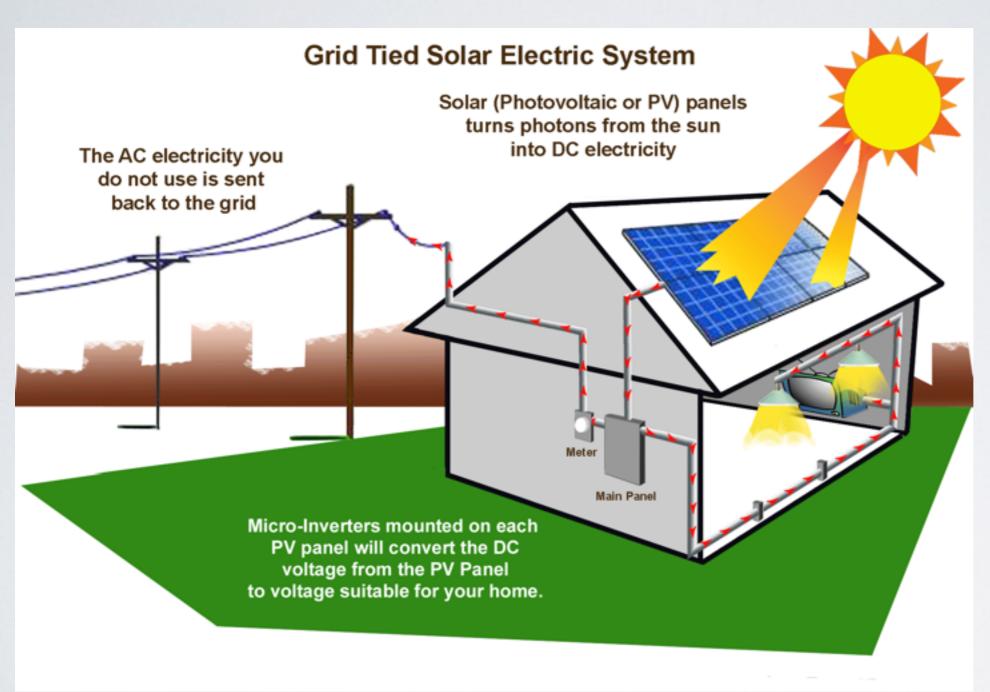
Enough energy from the sun hits the earth every hour to power the planet for a year.

Solar power turns the rays of the sun and turns them into free electricity or free hot water when they shine down upon your roof or ground mounted system.

Your nonpolluting carbon free solar fuel replaces your natural gas, coal or other fossil fuel based fuels.



WHAT IS SOLAR POWER?



Sunlight is made of energy called photons which radiate out from the sun...

Solar panels are made up of several individual cells, each with a positive and a negative layer. That creates an electric field.

Photons strike the cells, and their energy frees some electrons in the semiconductor material.

The electrons create an electric current, which is harnessed by wires connected to the positive and negative sides of the cell.

The electricity created is multiplied by the number of cells in each panel and the number of panels in each solar array.

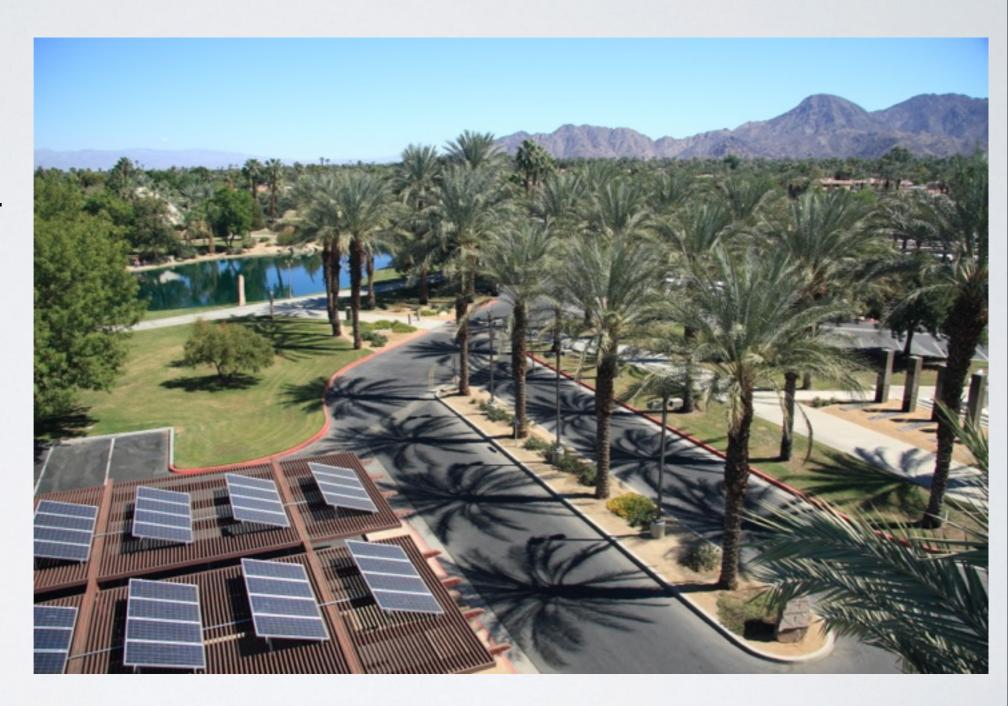
HOW WELL DOES SOLAR POWER WORK?

How well does it work in the South Bay?

You'd think the desert like out in Palm Springs or Death Valley would be best for solar.

It works great due to heavy AC and electrical use, but...

Heat is the enemy of solar efficiency



HOW WELL DOES SOLAR POWER WORK?





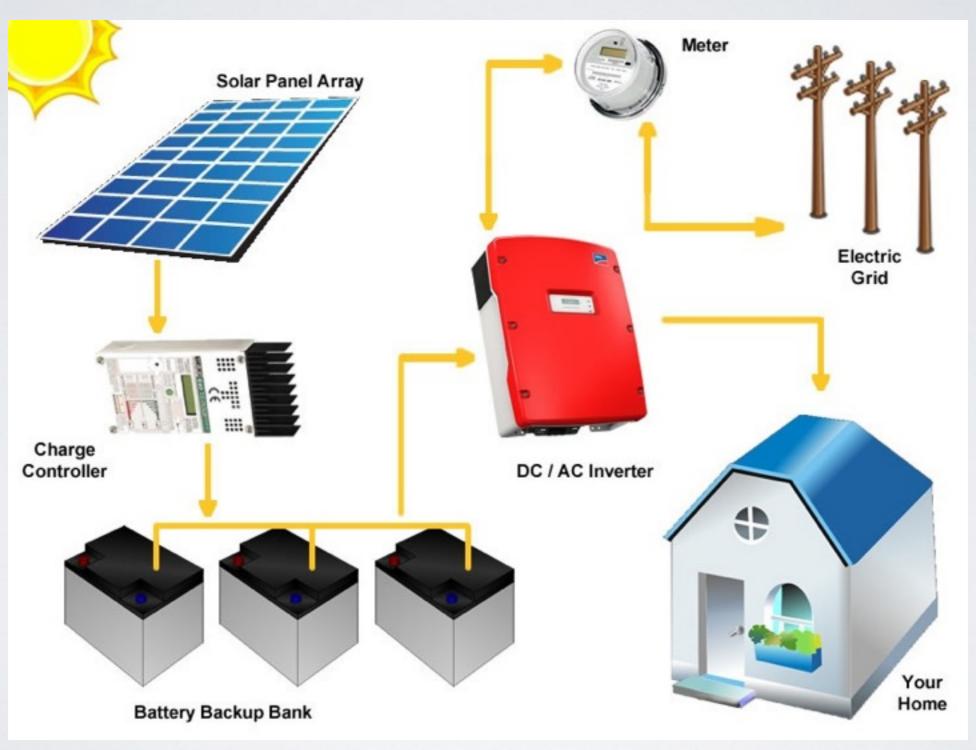




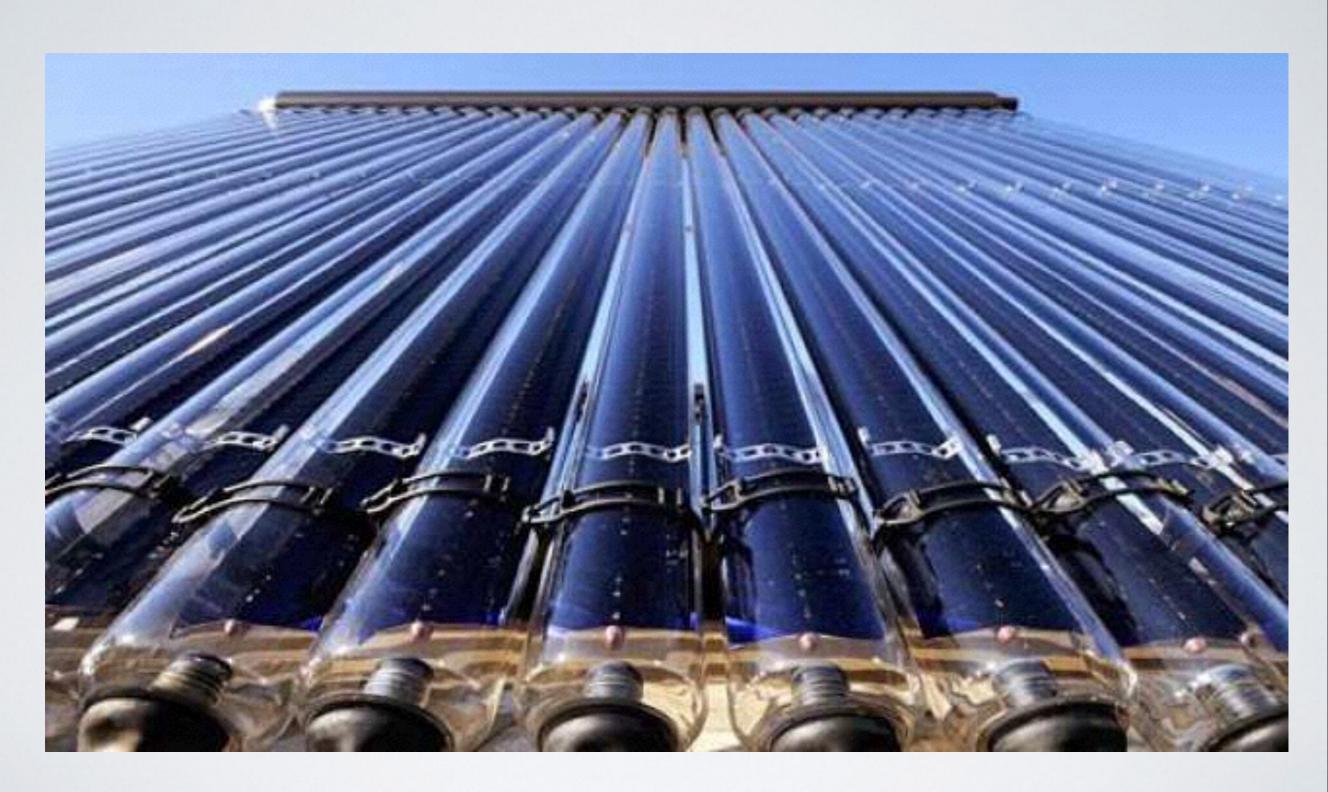
GREENTHE GRID OR GO IT ALONE?



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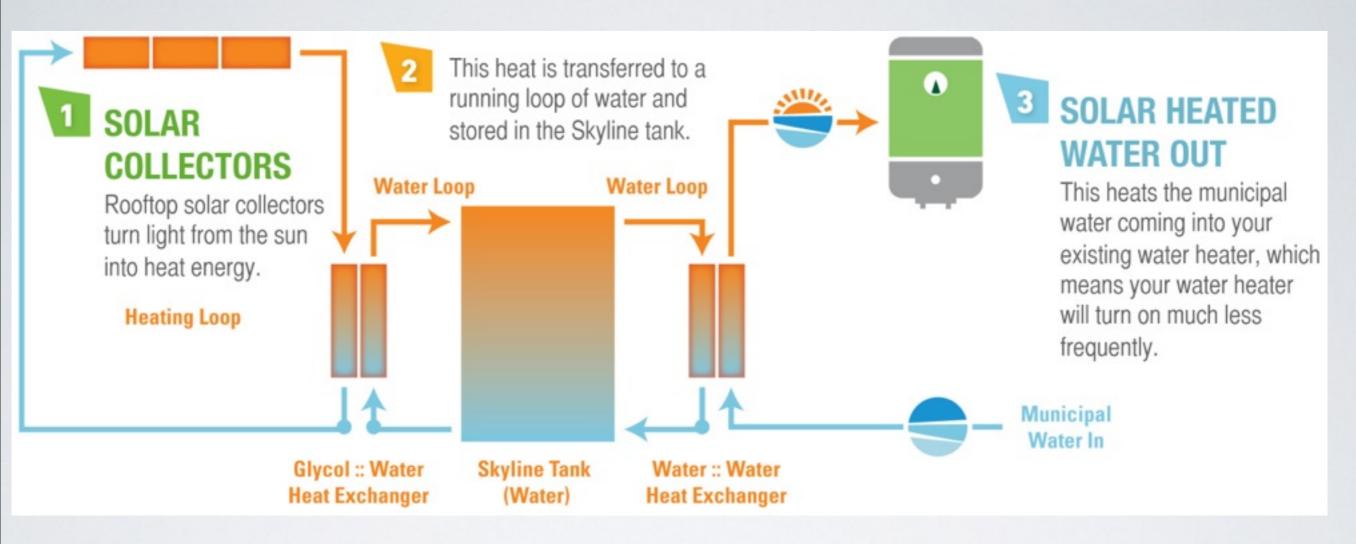
SOLAR HOT WATER



SOLAR HOT WATER



SOLAR HOT WATER



SOLAR THERMAL HOT WATER SYSTEMS HEAT ALL THE WATER YOU USE IN YOUR HOME FROM THE HEAT OF THE SUN

SOLAR HOT WATER FOR YOUR POOL OR SPA

HOW IT WORKS

The fuel from the sun is being used to do TWO primary jobs with the Amazing Solar Hot Tub Kit.

- Power a 12v circulation pump (solar electric)
 - Heat the water (solar thermal)

Basically we take water from your hot tub to the 12v circulation pump. This pump operates at 3 to 5 GPM (gallons per minute) depending on the size of the solar electric panel (bigger panel, more flow) and how much sun is hitting said panel. The pump we use can move water as high as 60 feet of head. It requires more power to go higher. Our 68 watt solar electric panel does really well up to 20 feet of head.

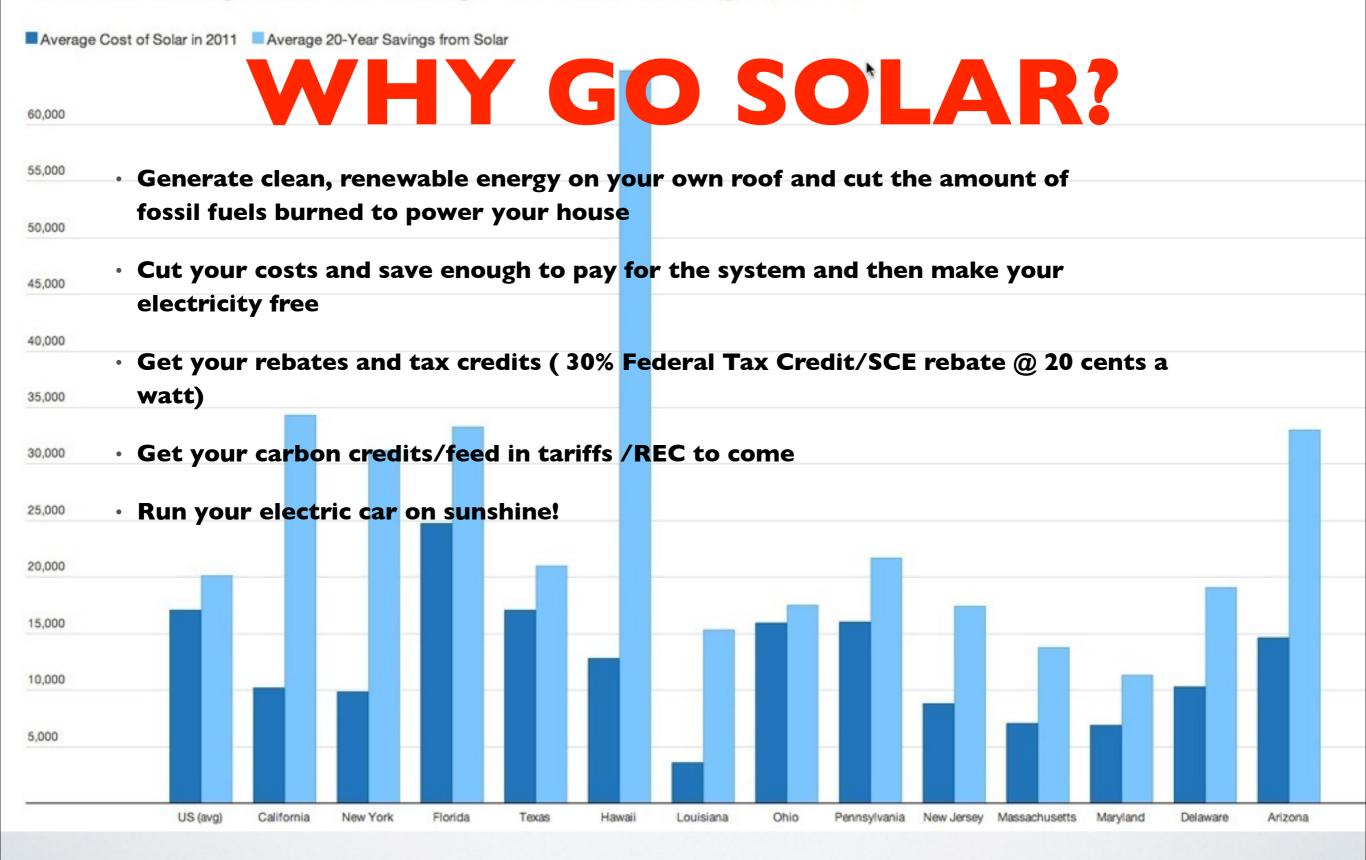
The Solar Thermal panel(s) now come into play. The water from the circulation pump is pushed thru the solar thermal panels and this is where we gain the heat in

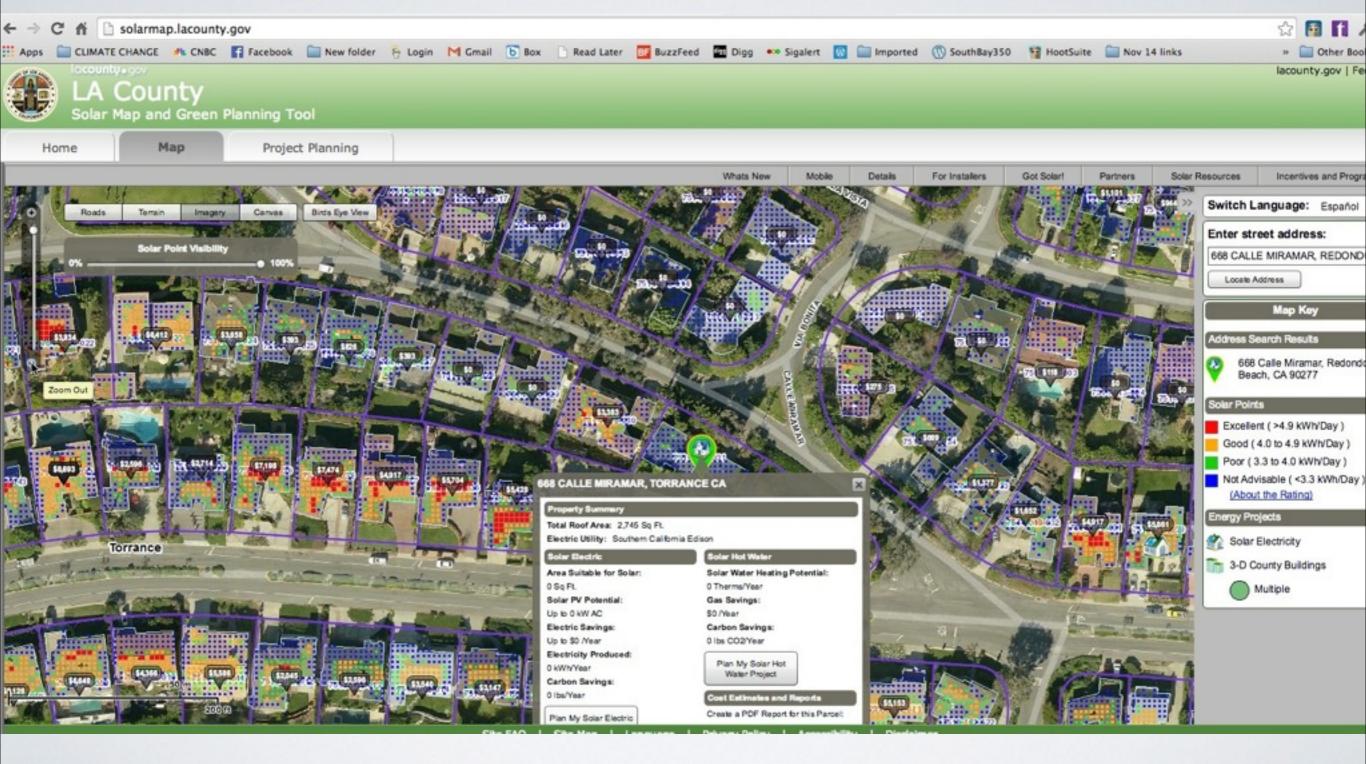
the water. The Amazing Solar Hot Tub Kit features a 4' x 20' solar thermal panel. This 80 sq. ft. panel is rated at 80,000 btu in heating power. Once the water is pushed thru the Solar Thermal Panels it is returned to your hot tub. At peak sun we find up to a 30 degree F increase in tempature from the hot tub source to the return solar heated water.



DEDICATED SYSTEM HEATS & PUMPS THE WATER FOR YOUR POOL OR SPA

Cost of Going Solar & Average 20-Year Savings (2011)

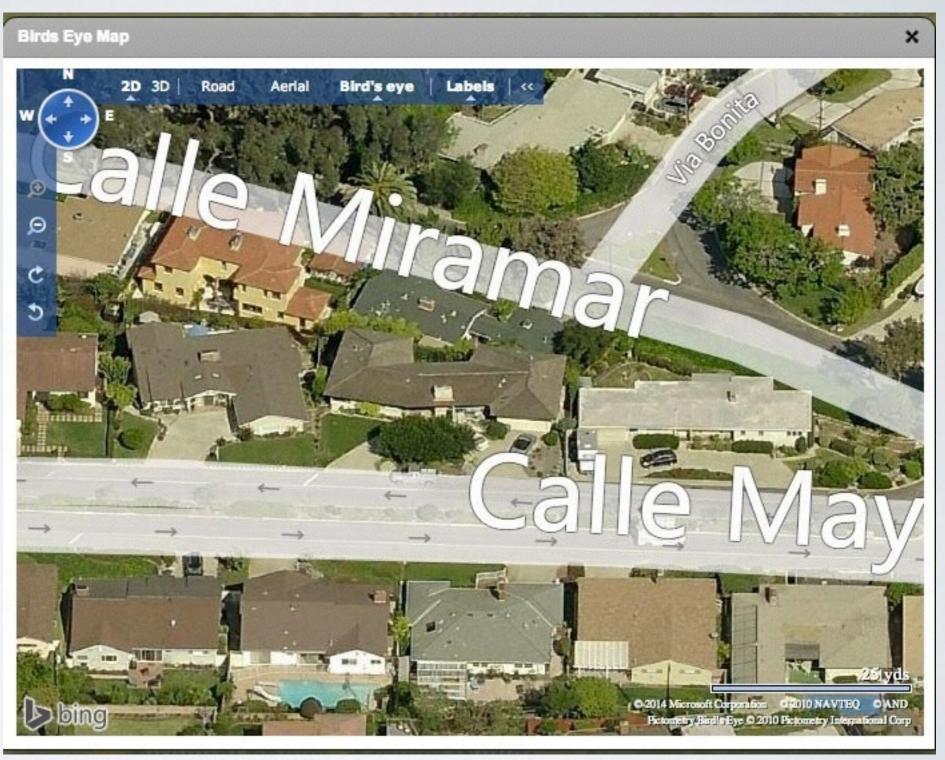


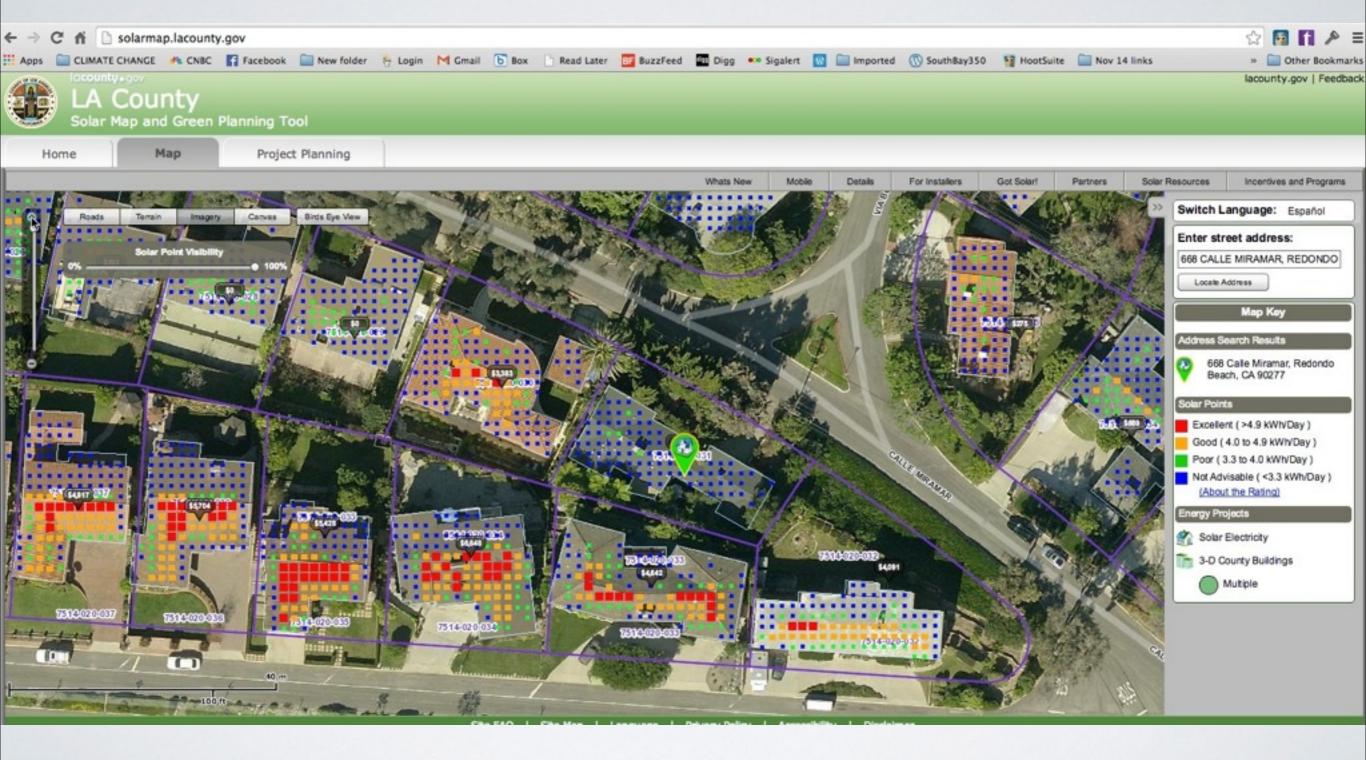


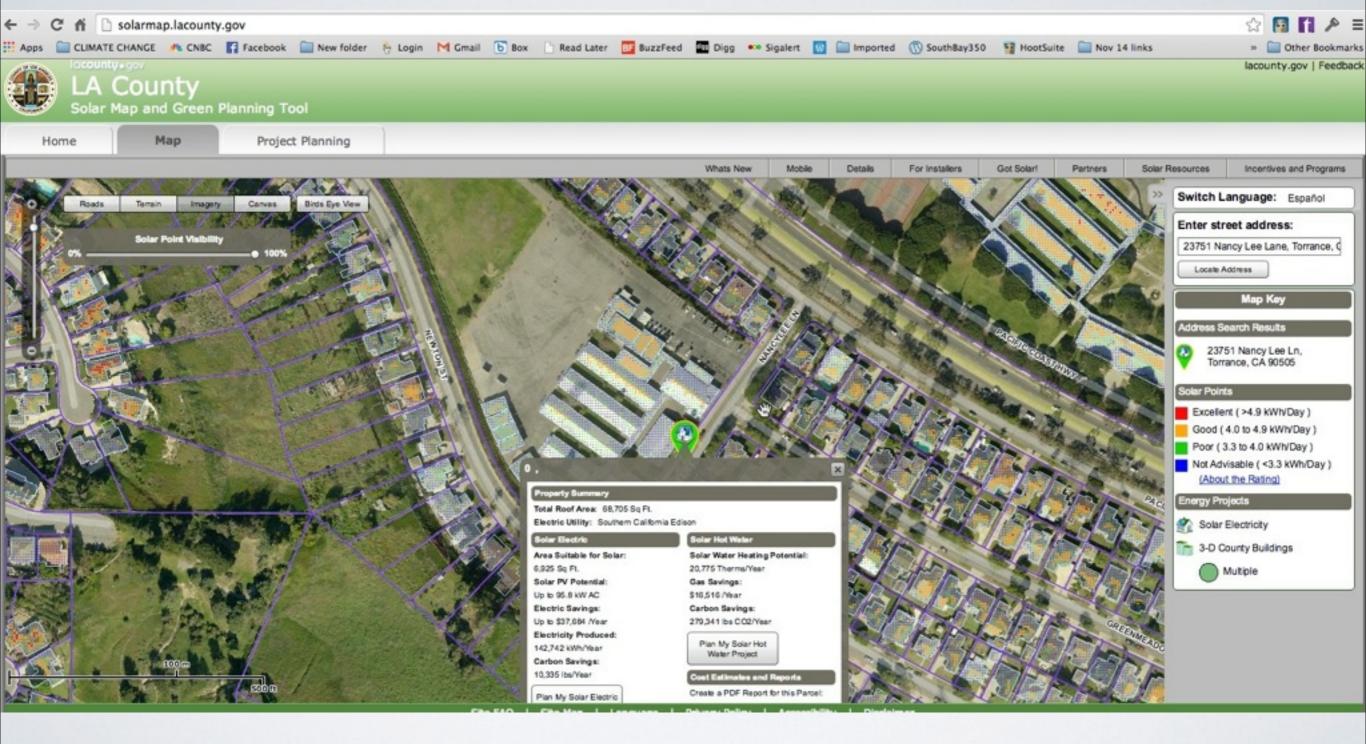
L.A. County's on-line solar tool to see if your roof is good for solar!

http://
solarmap.lacounty.gov/

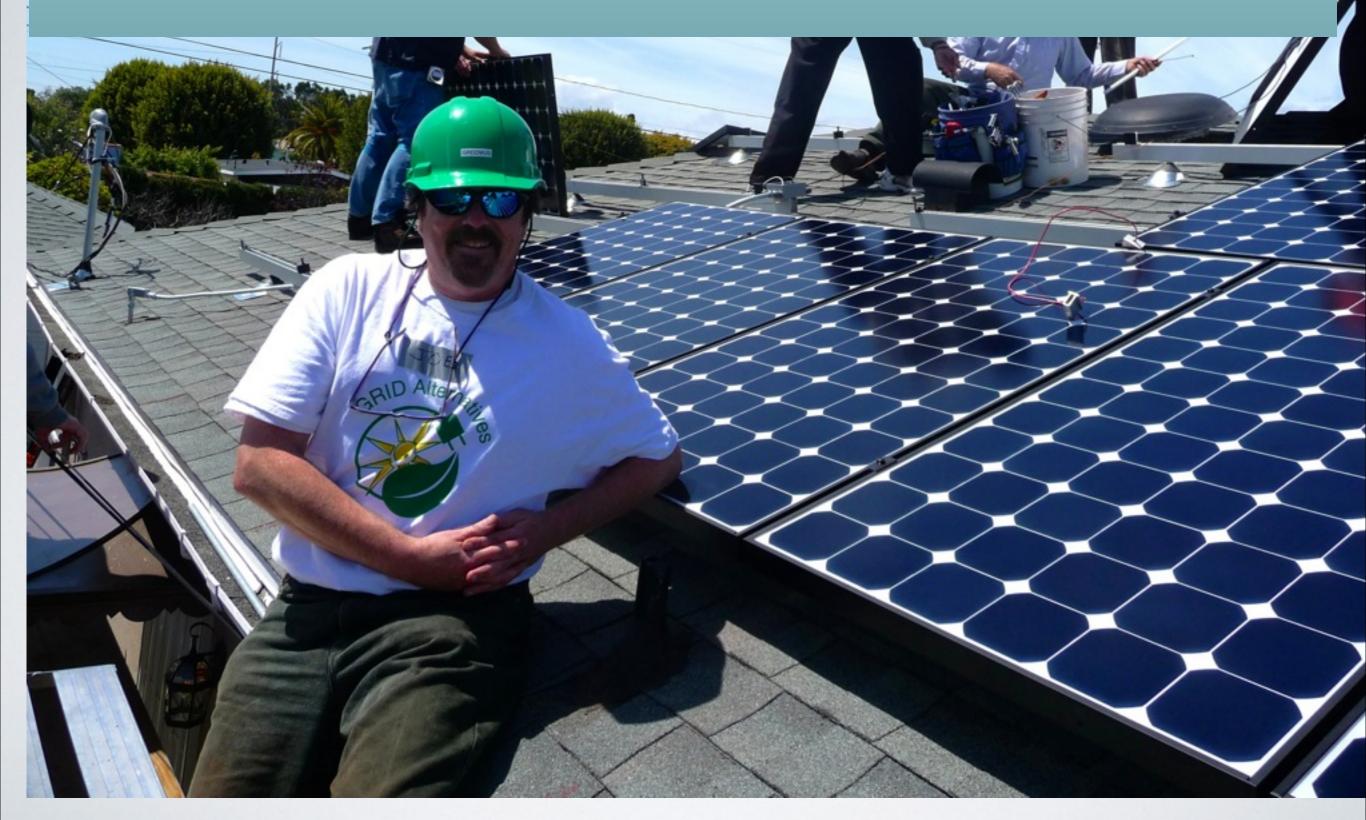
Good place to start but plenty of other solar calculators out there. Everyone will give you a free estimate







WHAT DOES IT COST & HOW LONG DOES IT TAKE FOR MY HOUSE TO GO SOLAR?



OWNING SOLAR VS LEASING

Leasing can mean no money down, no charge for installation, and locking in a rate for electricity below SCE's. You'll pay your bill to the solar company. Beware the inflation escalators

Buyers get the 30% tax credit and a payback period after which all their electricity is free. Payback period fastest the more your bill is.

Payback period for staying with Utility power - NEVER

New great reason to buy in 2014: The new PACE financing program - paying for solar over 20 years as a tax assessment!

WHAT DOES IT COST & HOW LONG DOES IT TAKE FOR MY HOUSE TO GO SOLAR?

Go on line or look at your electric bill to see how many kWH your house uses a month. You'll base how many kilowatts your solar system needs to produce on what you use.

To purchase a 3kw - 4kw solar PV system costs today from \$12,000 to \$15,000

Two days of installation for average size house including - racking, panels, wiring, inverter, connection to breaker box, and BOS

25 year warranty - no moving parts, no maintenance, nothing to break, tests show lasts 30-40 years



Home Energy Renovation Opportunity

Low Cost Financing is Now Available to Homeowners in Western Riverside County

- No Credit Score Requirements
- Low, Fixed Payments
- Over 150,000 Eligible Products
- Make Payments with Your Property Taxes
- Balance Transfers to New Property Owner Upon Sale*
- Interest is Tax Deductible**

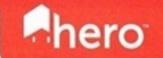
Learn More

HERO is now available in cities and counties throughout California.

HERO tinancing communities

APPLY NOW

Sample Property Tax Bill: San Bernardino County





2013 ANNUAL SECURED PROPERTY TAX BILL

Mailed to

SMITH, JOHN

PO BOX 123 SAN BERNARDINO CA 92407

Bill Numb

080123456

FISCAL YEAR JULY 01,2013 TO

172 West Thrid Street, San Bernardino, CA 92415. (909) 387-8308

www.MyTaxCollector.com

PROPERTY ASSESSMENT

CNTL-0000001

77 02-107		Description	Assessed values		
TAN			Land Improvements Fixtures Improvement Penalty	63725 191175	
oer	Tax Rate Area	Total Tax Rate	Personal Property Personal Property Penalty Homeowners Exemption	7000	
56	0018001 1.205800		Other Exemptions	7000	
			Net Value	247900	

Owner(s) of Record

Parcel Number

0123-456-78-0-000

AS OF JAN.01,2013 SMITH JOHN CO.DOE.JANE S

Property Address

12345 MAIN STREET SAN BERNARDINO, CA 92415

First Installment Due			
11-01-2014	\$2,365.42		
Second Installment Due			
02-01-2015	\$2,365.42		
Total Taxes Due	\$4,730.84		

Legal Descriptions

TRACT 1 LOT 2

Important Messages

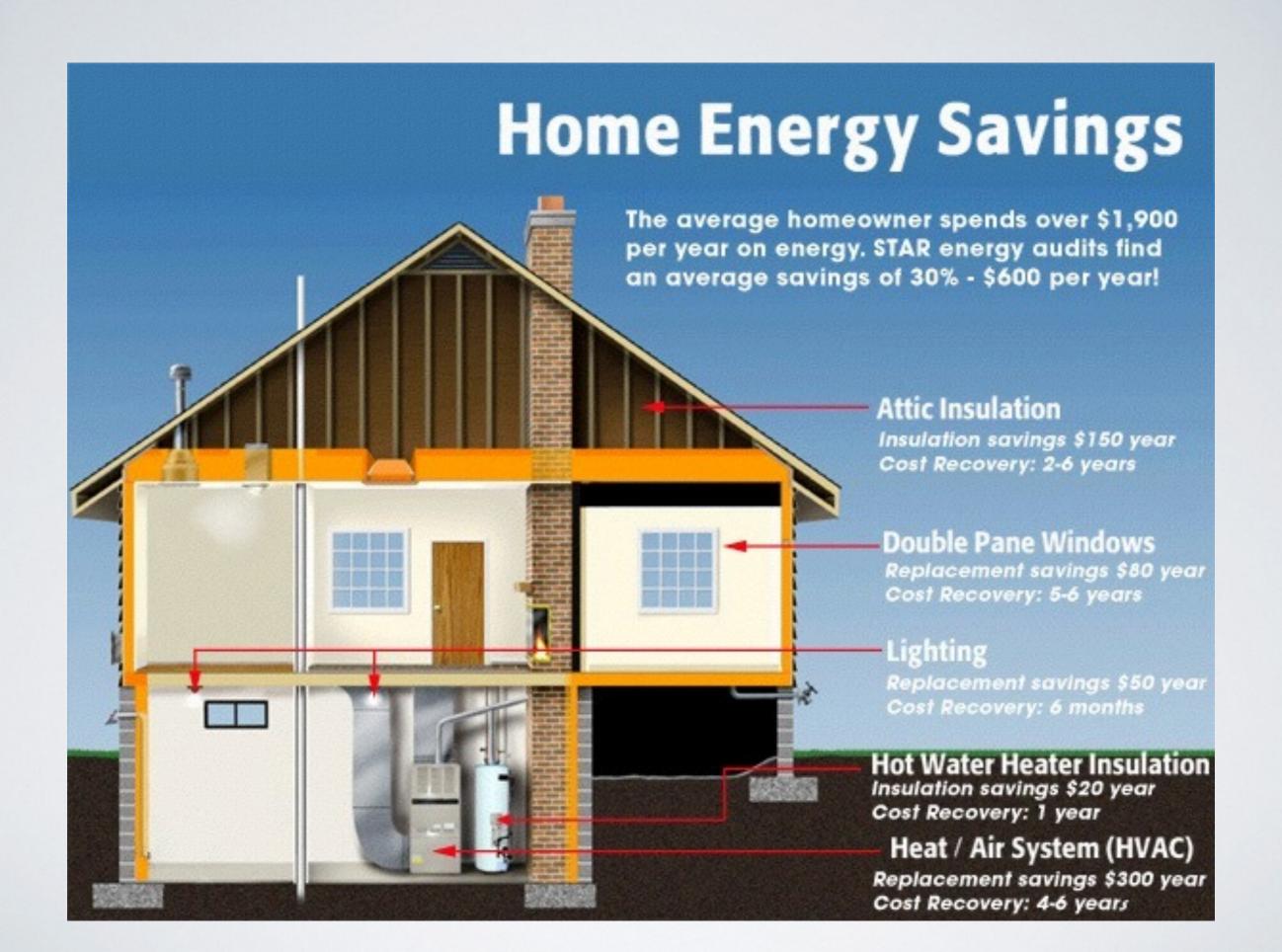
TAX DISTRIBUTION

Service Agency	For Inform	nation Call	
GENERAL TAX LEVY			2479.00
'CO VECTOR CONTROL		909-388-4000	5.63
'HIGHLAND LANDSCAPE & LIC	HT	909-864-8732	23.74
'HIGHLAND PARAMEDIC TAX		909-862-3031	19.30
SAN BONO COMM COLLEGE B	OND	909-888-6511	45.85
SCHOOL BONDS			0.00
REDLANDS UNIFIED BOND		909-307-5300	116.26
SCHOOL STATE REPAYMENT			0.00
SB VALLEY MUNI STR CBT SVC		909-387-9200	347.06
SANBAG HERO FINANCING		800-969-4381	1694.00

HERO First Payment Due: November 2014

MAKING YOUR HOUSE ENERGY EFFICIENT BEFORE





About Us

Energy Audits

Efficiency Upgrades

Heat and Cooling

Solar

Other Services

Incentives

News

Contact Us





WELCOME TO OUR SITE!

You are just four simple steps from a healthier home...

Comprehensiv Energy Audit 2 Your Report or Treatment Plan

3 Energy Efficient Upgrades

4 Third Party Verification

Energy Audits



A comprehensive

home energy audit,

commercial or multi-

family energy audit is

the first step toward

improving the energy

building Our building

saving money and

efficiency in your

Health



Poor indoor air quality can come from the attic, crawlspace and

attic, crawlspace and outside. We can fix these problems with Air sealing the building envelope, proper duct Comfort



We treat the problem B and not the symptom through the proper your installation of attic, wall and floor do insulation. In addition, the we ensure proper

duct design and

halanaina ta maka

Environment



By making your home more energy efficient you will lower your carbon footprint and do your part to help the environment.

Read More



MAKING YOUR HOUSE ENERGY EFFICIENT BEFORE YOU GO SOLAR







Comprehensive Energy Audit

2 Your Report or Treatment Plan 3 Energy Efficient Upgrades 4 Third F

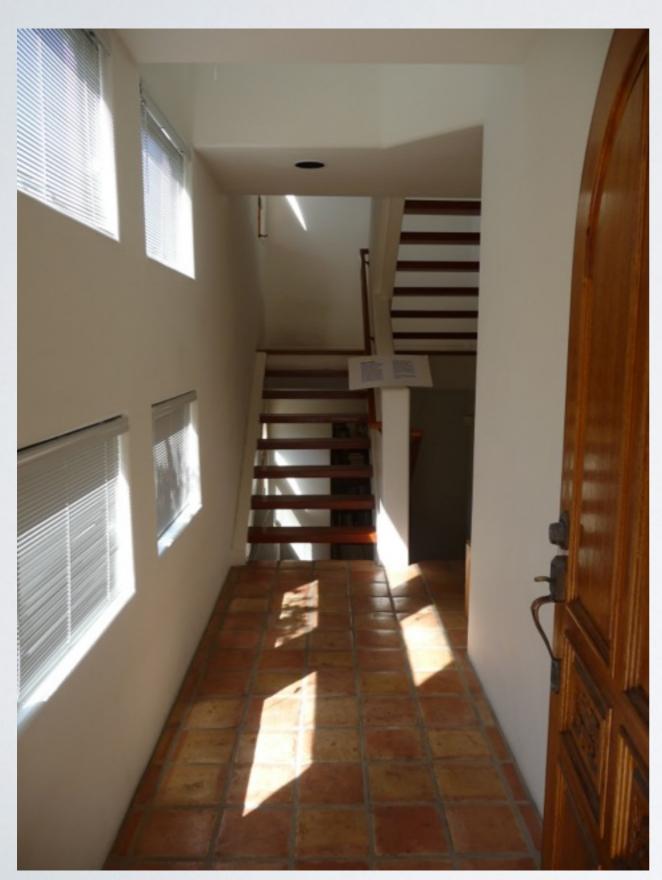






Nest builds a schedule you can adjust.

THE NELSON HOUSE



- Built to use both passive solar and PV solar power
- Sustainable, low energy use, small carbon footprint
- solar electricity, solar hot water, recycled materials,

THE GREEN IDEA HOUSE



Hermosa Beach remodel increased size of the house by nearly 60% Upgrades achieved the goal of reducing the energy load by more than 80% House now generates as much energy as it uses and releases no carbon emissions.





THE GREEN IDEA HOUSE

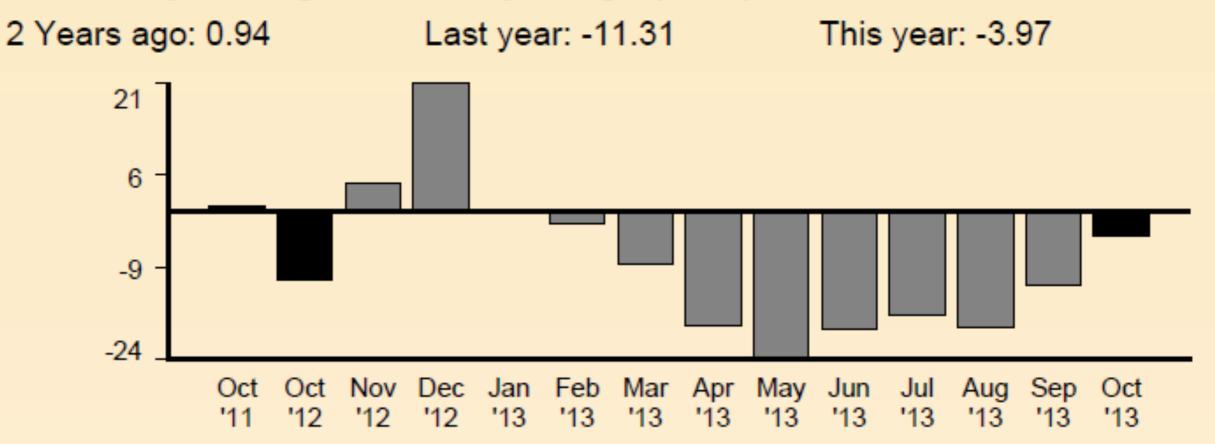


- · Architectural design elements that capitalize on the abundance of natural sunlight.
- Solar panels long overhangs on the roof act as a natural umbrella when the sun is higher in the summer months.
- Phase-change drywall installed throughout employs a "catch and release" use of natural sunlight, absorbing the heat when temperatures are high and releasing it when temperatures drop.
- Excess water from bathing and doing laundry is redirected straight to their landscape via a "laundry to landscape" irrigation system.

WHAT DOES IT COST?

Fortunato Green Idea House SCE Bill

Your daily average electricity usage (kWh)



Time of Use

Net Metering

Zeroing out your bill

WHAT DOES IT COST?

Fortunato Green Idea House SCE Bill

Details of your new charges

Your rate: TOU-D-TEV

Billing period: Oct 7 '13 to Nov 6 '13 (30 days)

•		
Delivery charges		
Energy-Winter On Peak		
Lvl 1 (1% to 130% of bsln)	-220 kWh x \$0.04236	-\$9.32
Lvl 2 (more than 130%)	-225 kWh x \$0.22781	-\$51.26
Energy-Winter Off Peak		
Lvl 1 (1% to 130% of bsln)	1 kWh x \$0.04236	\$0.04
Lvl 2 (more than 130%)	1 kWh x \$0.22781	\$0.23
Energy-Winter Sup Off Pk		
Lvl 1 (1% to 130% of bsln)	161 kWh x \$0.06485	\$10.44
Lvl 2 (more than 130%)	163 kWh x \$0.06485	\$10.57
DWR bond charge	-119 kWh x \$0.00493	-\$0.59
• • • • • • • • • • • • • • • • • • •		
Generation charges		
DWR	440 1115 - 40 00007	\$0.40
DWR energy credit	-119 kWh x -\$0.00097	\$0.12
SCE		
Energy-Winter On Peak	000 134% 40 44454	* 05.00
Lvl 1 (1% to 130% of bsln)	-220 kWh x \$0.11454	-\$25.20
Lvl 2 (more than 130%)	-225 kWh x \$0.11454	-\$25.77
Energy-Winter Off Peak	4 144% \$0 00000	¢0.00
Lvl 1 (1% to 130% of bsln)	1 kWh x \$0.06093	\$0.06
Lvl 2 (more than 130%)	1 kWh x \$0.06093	\$0.06
Energy-Winter Sup Off Pk	404 1145 40 00407	\$5.40
Lvl 1 (1% to 130% of bsln)	161 kWh x \$0.03187	\$5.13
Lvl 2 (more than 130%)	163 kWh x \$0.03187	\$5.19
Energy Charge Total		-\$80.30

Additional information regarding your Net Consumption/Generation:

- Your cumulative energy charge total as of previous month: -\$1,425.04
- Your current month energy charge total: -\$80.30
- Your cumulative energy charge
 Year-to-Date: -\$1,505.34
- Your cumulative kWh Year-to-Date:
 -3,749 kWh
- Your winter Level I allowance: 382.00kWh
 - 57.72% applied to On-Peak
 - 0.26% applied to Off-Peak
 - 42.02% applied to Super Off-Peak

WHERE TO FIND OUT MORE

Joe Galliani - <u>joe@creativegreenius.com</u> www.creativegreenius.com

Dency Nelson - <u>dln52@verizon.net</u>

Robert Fortunato Green Idea House www.greenideahouse.com