

Net-Zero Equals Saving Energy ...And Money With A TerraWise Total Energy Efficient Design



TerraWise Homes Solar PV Panel Setup Example.

- 1 Microinverters**
 - are installed beneath each solar module
 - maximize energy harvest
 - send AC power over AC wiring to the AC mains
 - also send performance data via the AC wiring
- 2 Communications Gateway**
 - plugs into an AC outlet
 - collects information via the AC wiring
 - transmits data through a standard broadband router to the Internet
 - collects information and transmits it in 5-minute intervals
- 3 Monitoring**
 - provides monitoring and analysis
 - allows performance data to be viewed from any web browser

Any home that is more energy efficient will have lower energy costs. However, most homes, even those newly constructed, simply do not come close to achieving Net-Zero Energy. This requires a holistic approach to design and construction focused on energy savings, along with energy production. TerraWise Homes can attain Net-Zero and more.

A standard TerraWise Home, with its advanced [Energy Saving Features](#), will surpass most all new builder homes for energy efficiency and savings. With low [HERS Index Scores](#), our homes have lower monthly average power bills than homes of comparable size. Adding an [Integrated Solar Photovoltaic System](#) enhances the energy efficiency (HERS Index of 0 is NET-Zero) with a built-in power generation element providing enough energy on average to create a Net-Zero Home.

Homeowners save money virtually every month in a TerraWise Home. Adding solar achieves Net-Zero Energy allowing homeowners to power their homes for free and even become net-positive while locking in their energy costs for up to 25 years. TerraWise Homes' energy efficient design, combined with local rebates and Federal tax credit programs, reduce the time period required to recoup the average investment of add an Integrated Photovoltaic Solar System. This improves the return on investment (ROI) and allows for even higher savings over the lifetime of the product.

For example, adding the solar investment to a 2,500 square foot TerraWise Home will result in **Net-Zero monthly electric bills instead of the average \$250. That's a savings of \$250 per month for a potential of \$75,000 for the usable life of the solar panels, which include a limited 25 year warranty.***

In addition, the solar systems used by TerraWise Homes feature the latest technology including micro-inverters providing feedback to a website so the efficiency of the Solar Panels can be [monitored in real time](#) and the Energy Savings displayed clearly for the homeowner.

This is only an example and actual performance will vary based on the location of a home, maintenance and lifestyle practices of the homeowners, weather conditions and other factors. However, when following Department of Energy recommended and manufacturer best practices, Net-Zero Energy is highly achievable in a TerraWise Home with solar power.

[Contact us](#) to learn more about how we can help take your new home dreams to **Net-Zero!**

*Results vary based on many factors specific to each home and exact performance cannot be guaranteed and is not implied by this example. See a TerraWise Homes representative for complete details and ClearSky Solar warranty information.



Customer Name:

Account #:

Cycle: 05

Bill Date: 12/02/14

ELECTRIC SERVICE

Billing Rate: Residential Electric Service

Service Address:

Service Period: 10/28/14-11/30/14 **Reading Date:** 11/30/14

Service Point: Residential - Electric

Meter Number	Days Billed	Current Reading	Reading Type	Meter Constant	Consumption
28620709	33	40829	Regular	1	1455 kwh

Customer Charge	\$	5.50
Energy Charge (\$0.06624 per kWh)		96.38
Fuel Cost		63.44
Environmental Charge		0.90
City of Jacksonville Franchise Fee		4.99
Gross Receipts Tax		4.39
Public Service Tax		11.96

TOTAL CURRENT ELECTRIC CHARGES \$ 187.56

\$56.00 of Fuel Cost Is Tax Exempt

ELECTRIC SERVICE

Billing Rate: Residential Tier 1 PV Rate

Service Address:

Service Period: 10/30/14-12/02/14 **Reading Date:** 12/02/14

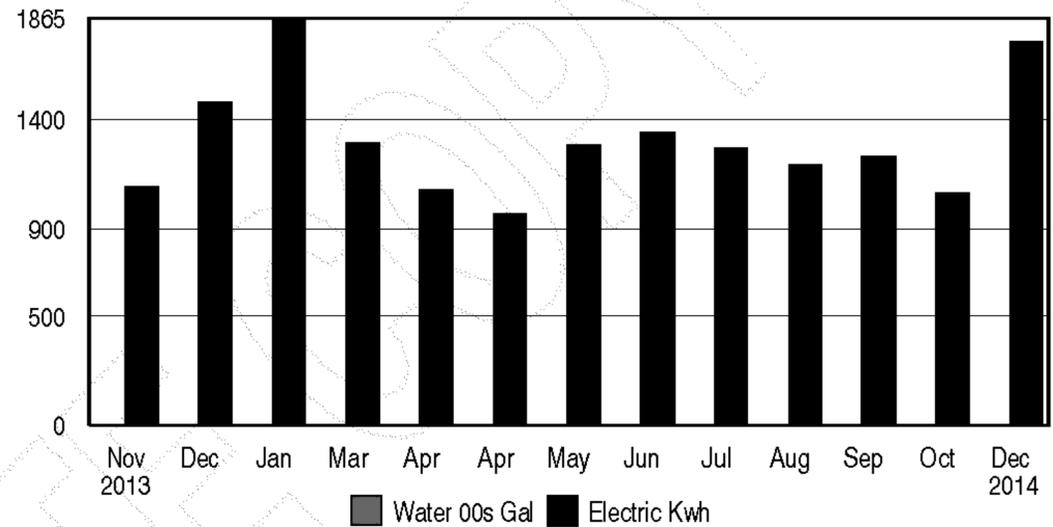
Service Point: Residential Photovoltaic

Meter Number	Days Billed	Current Reading	Reading Type	Meter Constant	Consumption
125462070	33	360	Regular	1	298 kwh
125462070	33	1054	Regular	1	538 kwh

Customer Charge	\$	5.50
Energy Charge (\$0.06624 per kWh)		19.74
Fuel Cost		12.99
Environmental Charge		0.18
Residential PV T1 Credit		-59.43
City of Jacksonville Franchise Fee		0.17
Gross Receipts Tax		0.15
Public Service Tax		0.58

TOTAL CURRENT ELECTRIC CHARGES \$ -20.12

CONSUMPTION HISTORY



	1 year ago	Last Month	This Month	Average Daily
Total Kwh used	1,087	1,057	1,753	53
Total Gallons used				

for double-wide mobile home

for the new 1,594 sq. ft. TerraWise home on the same lot