

# wittehaus

Wittehaus  
1908 Oaklawn Ave

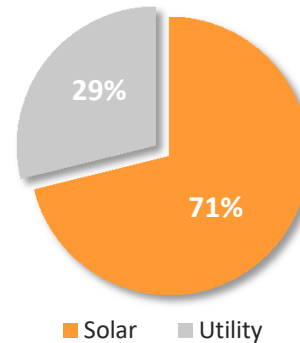
## Home Solar Power

### Solar System Design

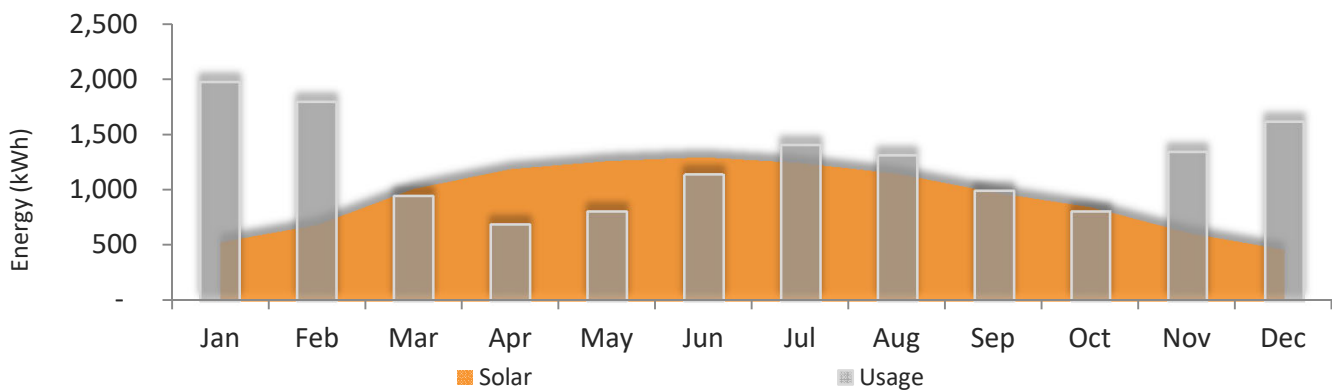
Module	REC 315-blk-blk
Quantity	32
Size (kW)	10.08
Inverter	SolarEdge
Monitoring	SolarEdge
Location	Roof Mount

Annual Production<sup>1</sup> 11,250 kWh

### Annual Energy Mix



### Solar Production vs Home Energy Usage<sup>2</sup>



Prepared by: Sara Marston | 919.257.7938 | smarston@southern-energy.com



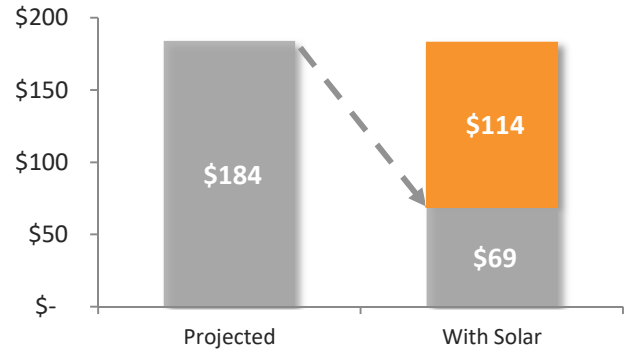
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## Price & Incentive Summary

Turnkey System Price	\$	31,654
Federal Tax Credit <sup>3</sup>	\$	(8,230)
<b>Net System Cost</b>	<b>\$</b>	<b>23,424</b>
Monthly Mortgage Addition <sup>4</sup>	<b>\$</b>	<b>121</b>

## Utility Bill Impact

monthly lifetime average



First Year Savings:

**\$962**

Live energy monitoring can help you save an additional 10% on your energy bills



30 Year Savings:

**\$41,182<sup>5</sup>**

No annual maintenance is required over the lifetime of your system

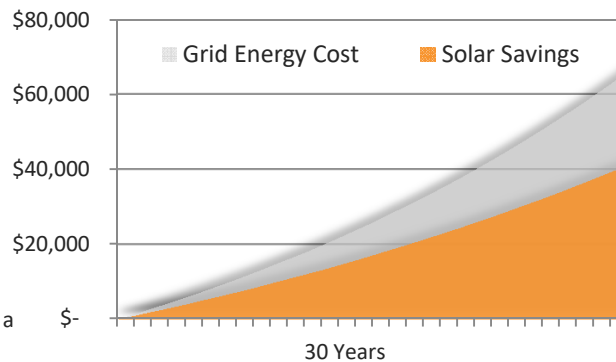
## Home Value Impact<sup>6</sup>



**\$17,100 +**

On average, homes with solar sell for a premium of \$2.68 per watt

## Lifetime Savings



## Environmental Impact<sup>7</sup>



4,959

Tree Seedlings Planted



460,482

Miles Not Driven

<sup>1</sup> Annual production based on system size and output calculations from National Renewable Energy Laboratory's PV Watts calculator Version 2

<sup>2</sup> Based on Average Residential Annual Energy Usage in North Carolina for Investor Owned Utilities; Crowley & Quinlan, Clean Energy Data Book, NC Sustainable Energy Association, 2011

<sup>3</sup> 30% federal tax credit for residential properties under Section 25D of the Energy Policy Act of 2005 (P.L. 109-58)

<sup>4</sup> Assumes 30 year term, with 4.00% interest rate, and 20.00% down payment

<sup>5</sup> Assumes current energy rate plus 3.0% annual escalation rate assumption over a 30 year period

<sup>6</sup> Ben Hoen, Sandra Adomatis. Appraising into the Sun: Six-State Solar Home Paried-Sale Analysis. Rep. Berkeley: Lawrence Berkely National Laboratory, 2015. Print.

<sup>7</sup> Lifetime environmental impact calculated from EPA's "GHG Equivalencies Calculator - Calculations and References"

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