

## Sisters of St. Dominic at Malverne



In addition to providing financial benefits, solar power helps the environment in numerous ways:

- Reduce dependence on fossil fuels
- Reduce GHG emissions, including CO<sub>2</sub>, SO<sub>x</sub>, NO<sub>x</sub>, and particulate matter
- Breathe cleaner air
- Preserve natural ecosystems

Thank you for your environmental stewardship!

### Energy & Environmental Benefits

30-Year Average Annual System Production (kWh)	9,550
30-Year Total Solar Energy Production (kWh)	286,510



Equivalent # of Cars Removed from the Road for 1 Year:

42



Equivalent # of Trees Planted:

5,183



Reduction in CO<sub>2</sub> (lbs) - Carbon Dioxide Contributes to Global Warming:

445,658

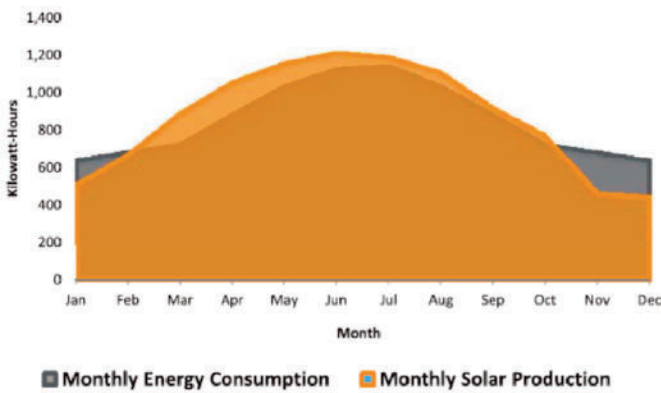


Reduction in Oil Consumption (gallons):

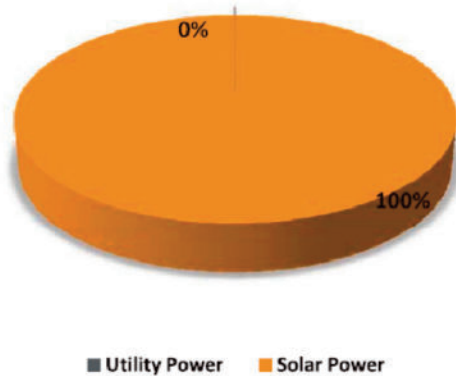
19,745

System Size	9.135 Kilowatts	Current Energy Usage (kWh)	10,103
System Production (kWh)	10,297	Usage to be Covered by Solar	102%
		Electric Bill Before Solar	\$168
		New Lower Electric Bill	\$10

Solar System Production vs. Energy Consumption



New Annual Energy Mix



## Sisters of St. Dominic at Amityville



In addition to providing financial benefits, solar power helps the environment in numerous ways:

- Reduce dependence on fossil fuels
- Reduce GHG emissions, including CO<sub>2</sub>, SO<sub>x</sub>, NO<sub>x</sub>, and particulate matter
- Breathe cleaner air
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### Energy & Environmental Benefits

30-Year Average Annual System Production (kWh)	27,796
30-Year Total Solar Energy Production (kWh)	833,877



Equivalent # of Cars Removed from the Road for 1 Year:

123



Equivalent # of Trees Planted:

15,086



Reduction in CO<sub>2</sub> (lbs) - Carbon Dioxide Contributes to Global Warming:

1,297,070

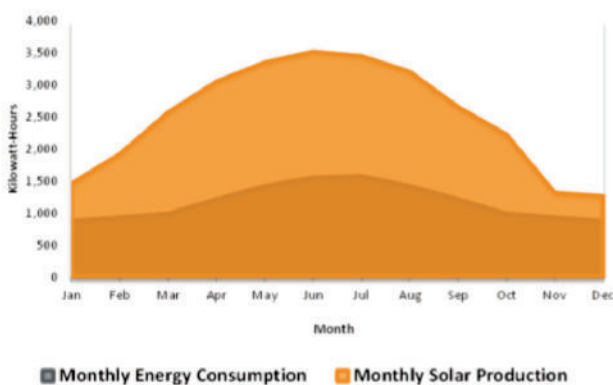


Reduction in Oil Consumption (gallons):

57,466

System Size	25.515 Kilowatts	Current Energy Usage (kWh)	14,000
System Production (kWh)	29,969	Usage to be Covered by Solar	214%
		Electric Bill Before Solar	\$198
		New Lower Electric Bill	\$10

Solar System Production vs. Energy Consumption



New Annual Energy Mix

