Village Energy Use

Home Characteristics

76.68 to 107.82 years old
1,414.61 to 3,573.91 sq. ft.
Mostly Two Stories
Mostly Single family
20,849 residential buildings

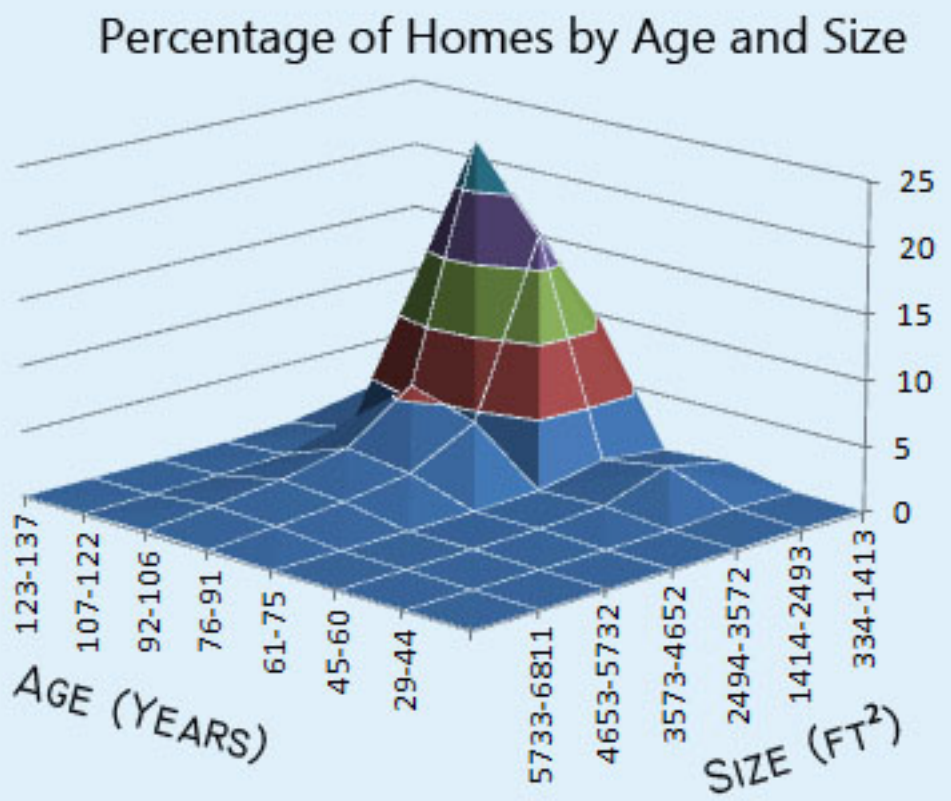
Average Energy Use Per Year

8,900 kWh electricity
950 therms natural gas

Reasonable Energy Reduction

25% on retrofitted homes
15% by behavioral changes

Sample data taken from 305 semi-randomly selected Oak Park homes



In-home electricity monitors will allow residents to monitor their electricity use in real-time, so that they can keep track of their electricity use, and maximize their energy savings.

Reduction Per Household Electricity Per Year

2,225 kWh (retrofit)
1,335 kWh (Behavior)
3,226.5 kWh saved
$0.15/kWh = $483

Natural Gas Per Year

237.5 therms (retrofit)
142.5 therms (behavior)
344.375 therms saved
$1.65/Therm = $568

Modifying existing homes with insulation and more energy efficient appliances will prevent energy from being wasted to air leakage and old, inefficient appliances.

Expected Impact Per 10% of Oak Park Homes Achieving This:

6.7 million kWh reduction

$1,005,000 returned to economy
3,510,800 lbs carbon (1,755 tons)

700 Thousand therm reduction

$1,155,000returned to Economy
9,412,200 lbs carbon (4,706 tons)

Totaling

$2.2 million in the hands of consumers and 6,500 tons of carbon emissions prevented