**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

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**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

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**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**
- $1,155,000 returned 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

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

**Percentage of Homes by Age and Size**

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