

Aggregate Energy Usage Data and Energy Efficiency in Multifamily Affordable Housing

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ELEVATE ENERGY
Smarter energy use for all



Our Mission

We promote smarter energy use for all.



We give people the resources they need to make informed energy choices.



We design and implement efficiency programs that lower costs, and protect the environment.



We ensure the benefits of energy efficiency reach those who need them most.



What we do...

kWh Saved

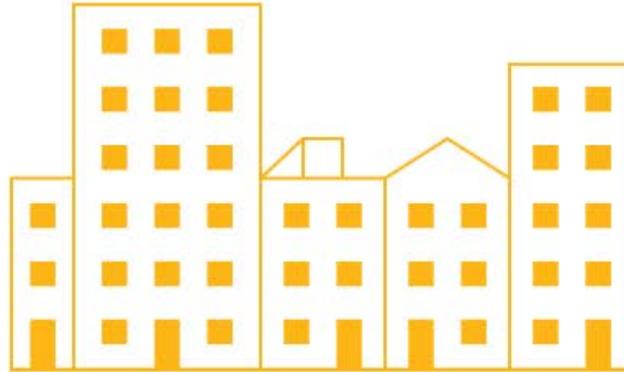


11,374,350



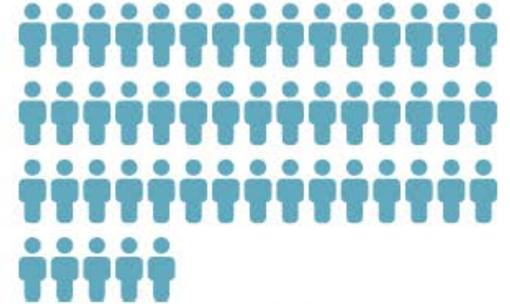
That's enough to run 1,791 refrigerators for one year!

Units Retrofitted



1 7 4 9 9

Jobs Created



516

Gas Therms Saved



4,199,760



That's enough to heat 5,250 average apartment units for one year!

Total Investments in Energy Efficiency



Metric Tons CO2 Saved

37,712



That's the same greenhouse gas emissions released by flying roundtrip from Chicago to Capetown, South Africa 2,835 times!



Energy Efficient Buildings

Making energy efficiency upgrades easy and affordable

Program approach guides property owners through the upgrade process

- Energy assessments
- Cost-effective recommendations
- Financing options through lending partners and assistance in obtaining incentives and rebates
- Construction oversight and quality assurance
- Savings monitoring and reporting





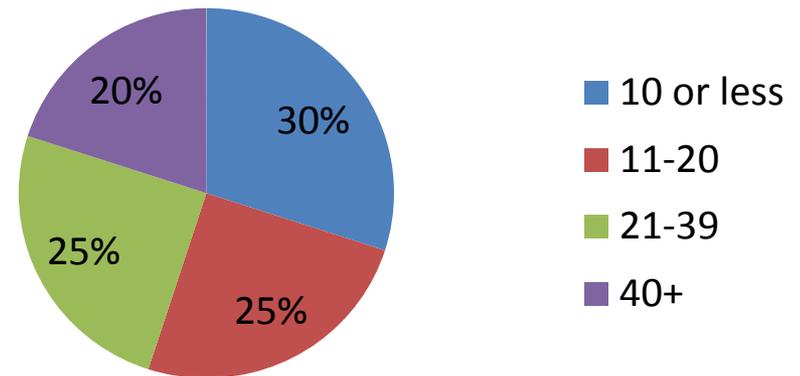
Typical Chicago Multifamily Building

Multifamily buildings:

- Flat-roof walk-ups
- Average building size is 24 units

- ~50%- Central steam boiler
- 25%- Central hot water boilers
- 25%- Individual forced air gas

Units in our Buildings





Our Owners and Retrofits

Owners

- 40% of owners only have one building
- 35% have between 2-9 buildings
- 25% of the building owners have 10 or more buildings

Retrofits

- Boiler replacement & Controls
- Furnace replacement
- Air sealing and insulation



Elevate Makes Energy Efficiency Easy



Elevate Energy is the building owner's advocate, start to finish.



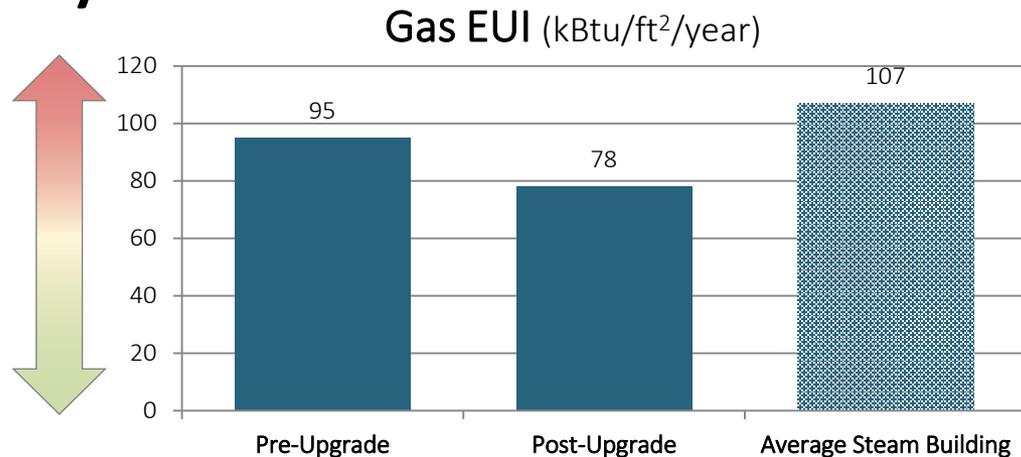


Savings Monitoring and Reporting

Follow-Up/Validate Savings

Energy Usage Data is Key

- Aggregate
- Building Owner
- Tenants



NATURAL GAS	Baseload EUI	Heating Load EUI	Total EUI	Cost* (\$)
Pre-Upgrade (Nov 2009 - Nov 2011)	25	70	95	\$9,476
Post-Upgrade (Jun 2012 - May 2014)	20	59	78	\$7,798
% Savings	21%	16%	18%	18%



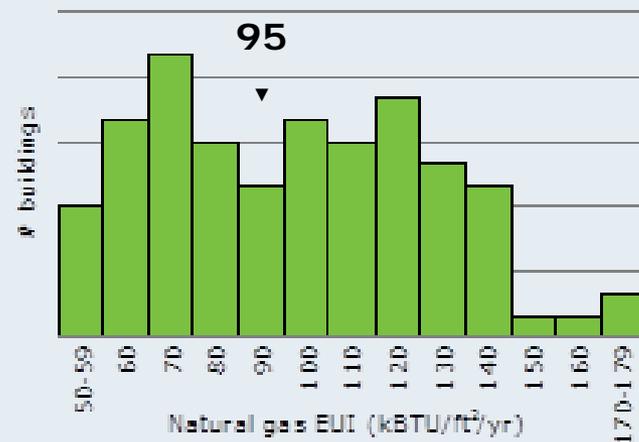
Benchmarking

Energy Usage Data is Key Here Too

Benchmarking

- Best building to benchmark against is your own
- Aggregate/Whole building usage is essential
- Allows local, regional and national comparisons
- EPA Portfolio Manager

Fig. 1 Natural gas EUI of your building and other Energy Savers participants





Closing Take Away

Energy Usage Data is Key

- Let's drive towards solutions that protect data privacy, while providing important information that drives efficiency!





Questions? -- Stay in Touch

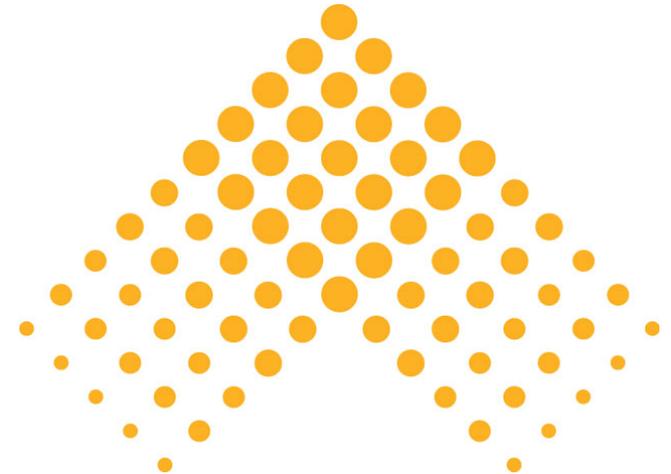
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