

# **Energy Savers: Your one stop shop for energy efficiency upgrades**

*Peter Ludwig*

*Energy Efficiency Programs Manager*

*CNT Energy*



# Energy Savers: One Stop Shop

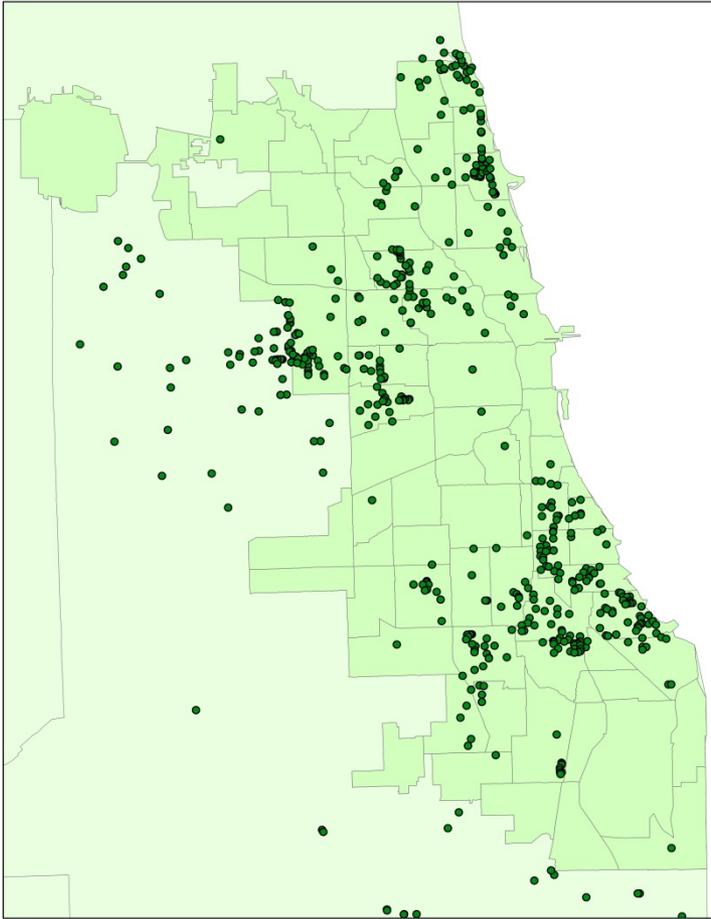
- Energy Analysis
- Cost-effective energy-saving recommendations
- Low-cost financing through our partner, Community Investment Corporation
- Align scope and assist Owner in accessing appropriate utility rebates and programs
- Construction Management & Oversight
- Track building performance to ensure savings

**energy savers**

A one-stop energy efficiency shop for multifamily building owners



# Energy Savers Success!



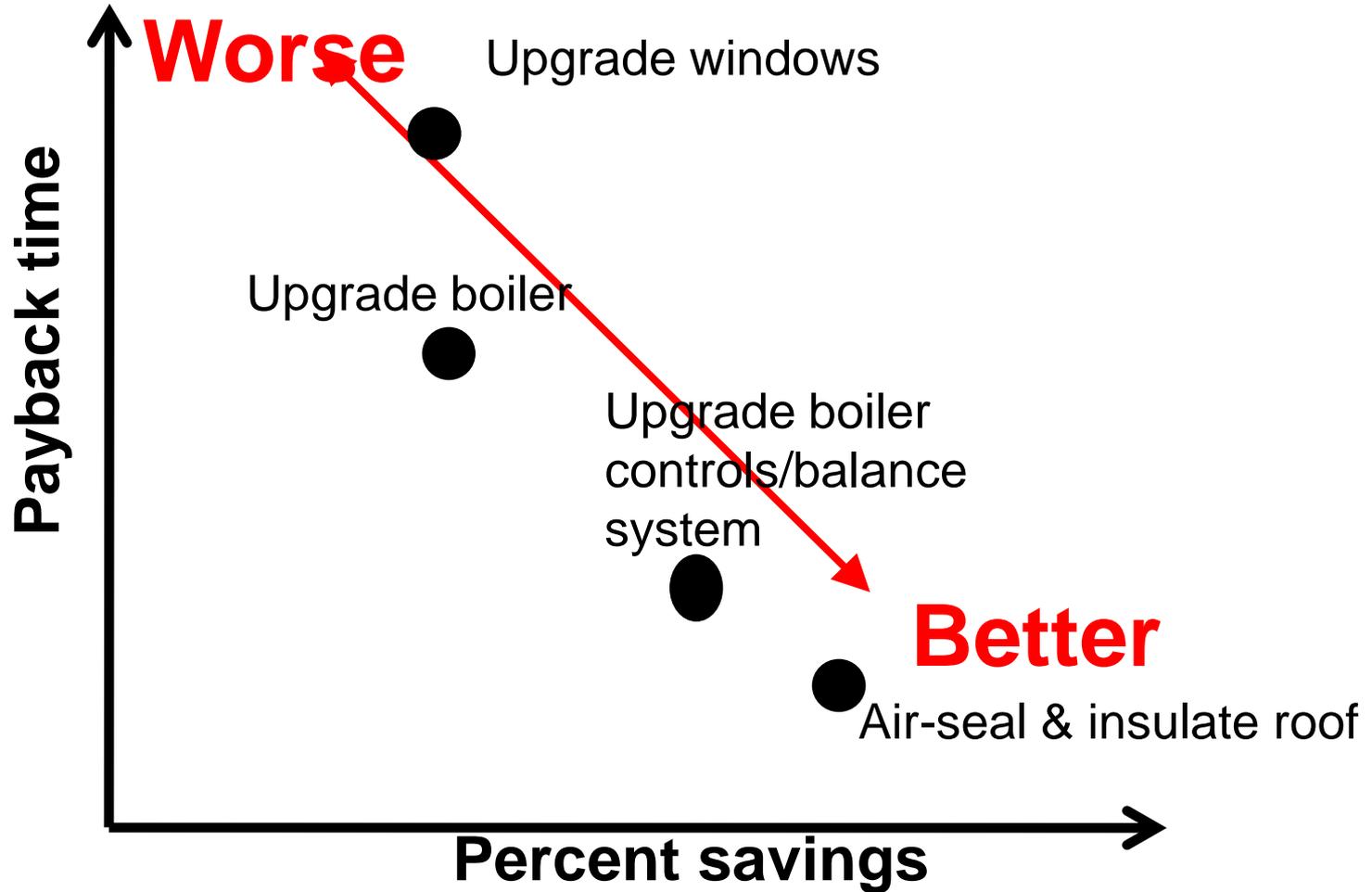
- 7,500 units upgraded for efficiency
- 350 jobs created
- 1,714,800 gas therms saved
- Collective savings of over \$6 million

# Energy Analysis

- Building the relationship
- Addressing owner's needs
- Identifying savings opportunities
- Conveying benefits of energy efficiency



# Best Payback



# Cost-effective Recommendations

<b>Sample Energy Efficiency Investments</b>			
Based on a typical three-story, 24-unit masonry structure with 24,000 square feet of heated space.			
	<b>Cost</b>	<b>Annual savings</b>	<b>Simple payback</b>
<b>Building envelope</b>			
Air seal and insulate roof	\$15,500	\$4,500	3.4 years
<b>Mechanical systems</b>			
Replace boiler	\$24,000	\$2,020	11.9 years
Install boiler controls with outdoor reset control	\$4,500	\$1,440	3.1 years
Replace radiator and main line air vents	\$2,800	\$850	3.3 years
<b>Electrical/lighting</b>			
Compact fluorescent lamps	\$160	\$60	2.7 years
<b>Total for all measures</b>	<b>\$46,960</b>	<b>\$8,870</b>	<b>5.3 years</b>
<b>Total Savings on Energy Costs</b>			
<b>Savings over 5 years</b>		<b>\$44,350</b>	
<b>Savings over 10 years</b>		<b>\$88,700</b>	
<b>Savings over 15 years</b>		<b>\$133,050</b>	

# Quality Installation is crucial

CNT Energy helps owners:

- Develop an implementation plan
- Solicit and help review bids from contractors
- Monitor installation
- Ensure quality



# Ensuring ongoing savings

CNT Energy will:

- Review energy bills
- Provide annual performance report
- If building is not performing as well as expected, we will perform a building tune-up



# What are the benefits?

- Increased cash flow
- Average 30% energy savings
- Savings of \$10,000/year for a typical 24-unit building
- Tenant comfort and retention
- Improved HVAC systems: higher efficiency, better maintenance, longer life
- Access to low cost financing & we will help access relevant utility rebates



# Success Story: 7549 S. Essex

**Building owner:** Checkmate Realty and Development

**Building type:** 4-story, 23-unit brick apartment building

**Financing:** CIC low-interest loan of \$85,000

## Energy efficiency upgrades completed

- Air sealing
- Roof cavity insulation
- Replaced aging, inefficient boiler
- Installed new boiler controls
- Water heater replaced with 95% efficiency rated unit
- Insulated heating and hot water pipes

# Success Story: 7549 S. Essex

## Energy savings

- Projected energy savings: 33%
- Projected annual cost savings: \$13,630
- Projected simple payback: 4.5 years



# For more information

## Energy Savers Team

- 1-855-ESavers (372-8377)
- 773-269-4037
- [info@energysaversprogram.org](mailto:info@energysaversprogram.org)
- [www.cntenergysavers.org](http://www.cntenergysavers.org)

# Thank you

Peter Ludwig  
Energy Efficiency Programs Manager  
CNT Energy  
773.269.4048  
[peter@cntenergy.org](mailto:peter@cntenergy.org)