

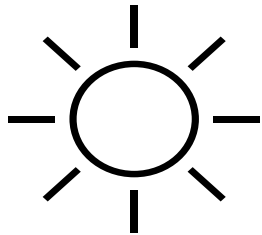
Sustainability Programs 2024 Year-End Update

Sustainable Energy Program/Peak Rewards,
Affordable Housing Energy Efficiency

Jessica Kneifl
Energy Services
January 17, 2025

2024 Summary Headlines

Sustainable Energy Program



Peak net demand reduction exceeded 5-year average.



Heat pump installs increased by 143%.

Affordable Housing

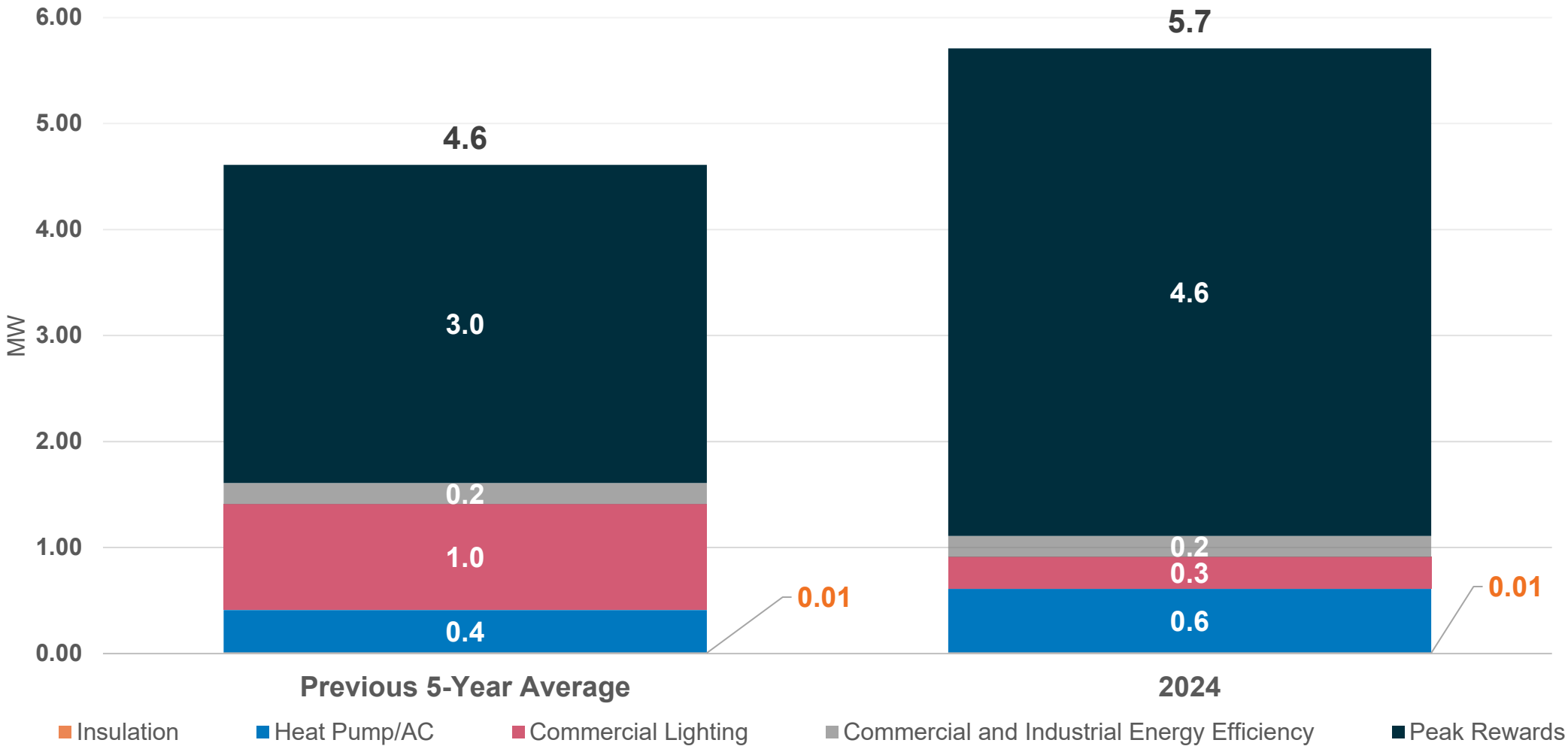


LES leads the way in energy-efficiency partnerships for affordable housing.

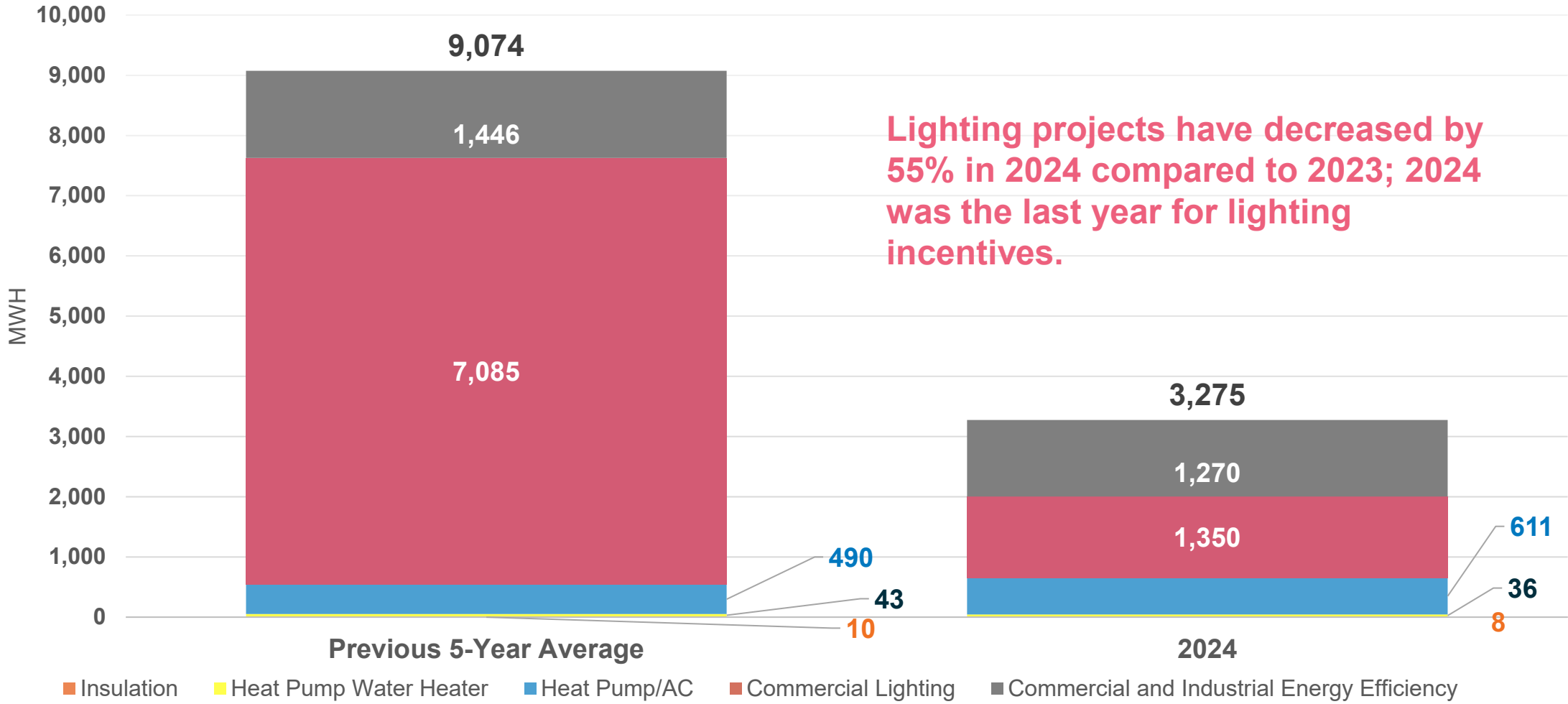
Sustainable Energy Program

2024 Recap

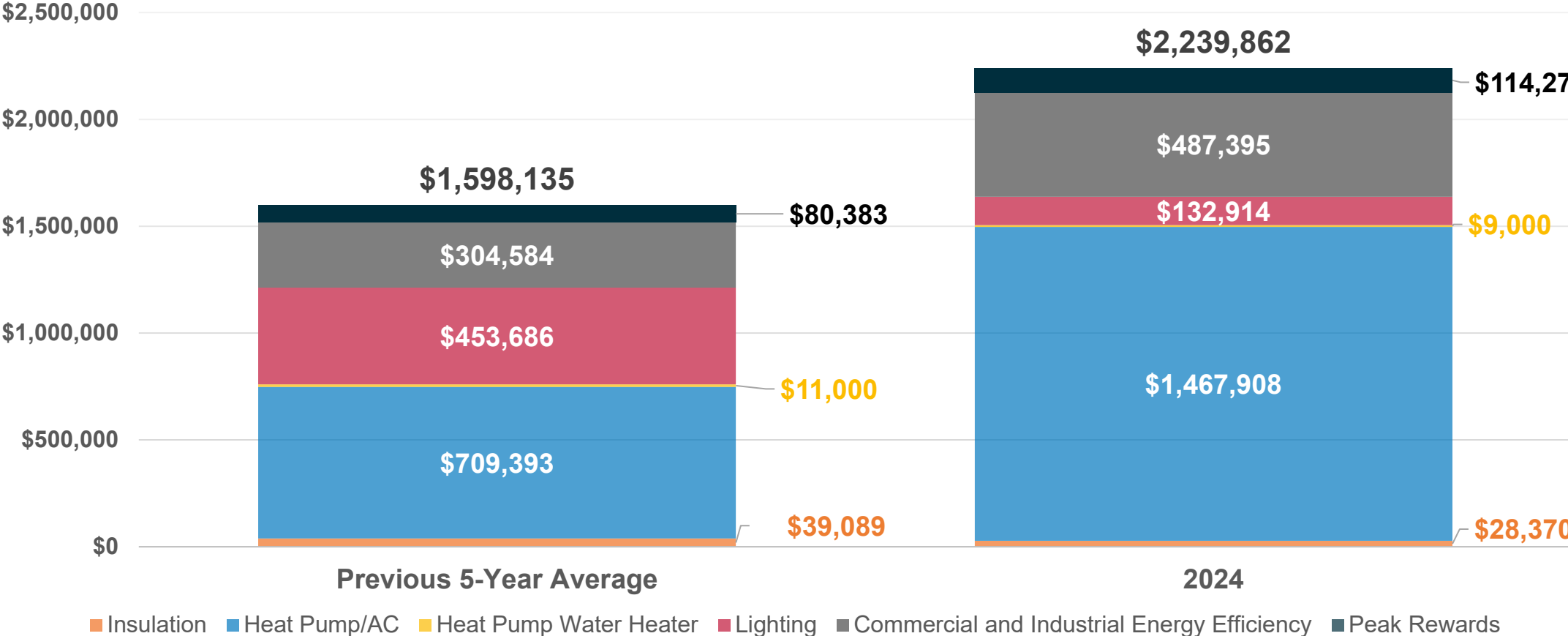
Peak Net Demand Reduction



Net Energy Savings



Obligated LES \$



Obligated LES \$ was 10% below budget due to the decrease in lighting participation.

Heat Pumps Update

- LES/City partnership continues; Nearly \$424,000 in City funds allocated, supplemented by over \$650,000 in LES funds.
- Heat pump installs under the Sustainable Energy Program increased by 143% (compared to previous 5-year average).
- Heat pumps replacing air conditioners increased by 10% under the program as well.



Feedback from Customers

How much influence did the incentives have on your decision to purchase a high-efficiency air conditioner or heat pump?

	2024	Previous 5-Year Average
Little to None	13%	21%
One of Various Factors	58%	55%
Primary Factor	29%	24%

How easy was it for you to learn about and access the LES Sustainable Energy Program?

	2024	Previous 5-Year Average
Difficult	1%	2%
Neutral	17%	17%
Easy	82%	81%

***2,106 surveys sent, received 291 responses (14% response rate)**

Peak Rewards

- Over 4,000 households enrolled.
- Net increase of 450 enrollments compared to 2023.
- Achieved demand reduction of over 4 MW.



Overall SEP Impact (2009-2024)

Incentives	\$34 million
Projects	28,000
Net Peak Demand	36 MW
Equivalent Annual Peak	47 big box retail stores
Net Annual Energy Reduction	147,000 MWH
Equivalent Annual Energy Consumption	15,000+ homes
Annual CO2 Reduction	100,000+ tons
Equivalent Annual Vehicle Emissions	40,000+ cars

Affordable Housing Energy Efficiency

Recap

Single-Family

New
Construction
Multi-Family

Existing
Multi-Family

Guiding Principles

Long-term energy efficient solutions for under-served communities.

Impactful energy and bill savings for customers.

Leveraging partners and other funding sources to maximize impact.

Single-Family Affordable Housing

Community Action Partnership/LES Collaboration: Single-Family Affordable Housing

	2020-to-Date
Projects	69
LES Contribution	Over \$300,000 obligated
Projected Annual KWH Savings	79,000
Projected Annual Bill Savings per Customer in 2024	\$80



Collaboration with Affordable Multi-Family Housing Developers

Ben Kunz, Development Associate, Hoppe Development

Hoppe Development: New Mixed Use Multi-Family Affordable Housing

- Completed, January 2025
- 345 N 23rd (9 affordable housing units)
- LES incentivized:
 - High-efficiency heat pumps (18.0 SEER2 and greater)
 - First centralized heat pump water heating system for new multi-family housing.



Estimated Annual Total KWH Savings	16,000
Estimated Annual Savings per Apartment	\$105

Hoppe Development: New Mixed Use Multi-Family Affordable Housing



- To be completed in 2026.
- 1020 S 13th St (125 affordable housing units)
- LES incentivized:
 - High-efficiency heat pumps
 - Heat pump water heaters
 - 3 to 4 times more efficient than a conventional electric water heater

Estimated Annual Total KWH Savings

315,000

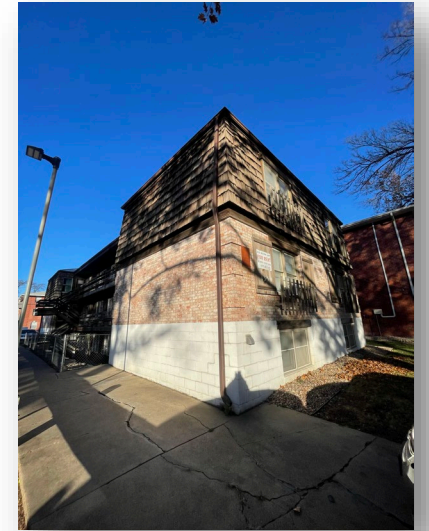
Estimated Annual Savings per Apartment

\$165

Existing Multi-Family Affordable Housing

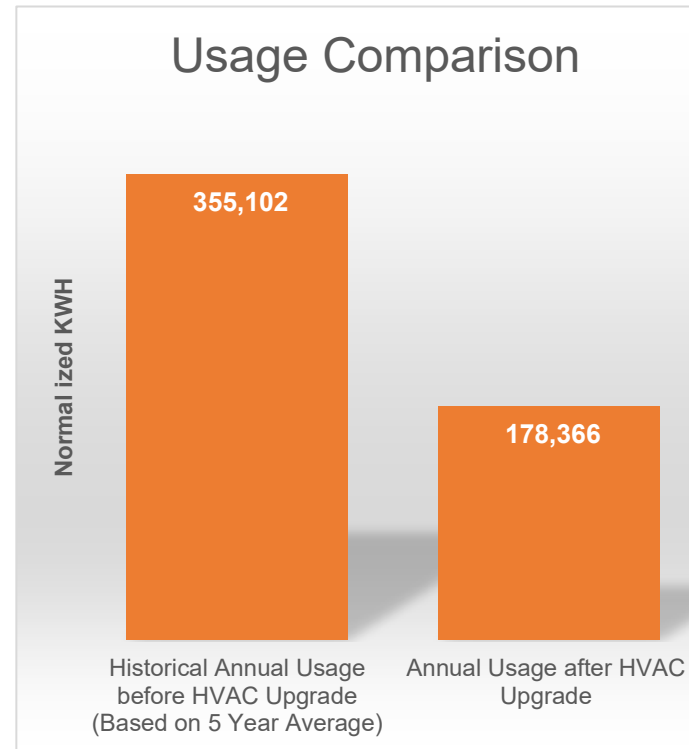
City of Lincoln/LES Collaboration (South of Downtown): Existing Multi-Family Affordable Housing

- 7 projects comprised of over 130 affordable housing units
- Improvements include high-efficiency heat pumps replacing old air conditioning and heat pump water heaters (where possible).



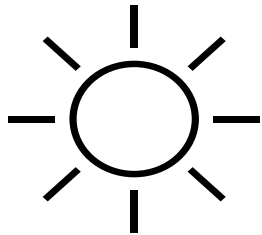
Project Spotlight

- **Number of Apartments: 40**
- **City Contributions: \$600,000**
 - Replacement of bathroom and kitchen plumbing stacks
 - Replace sewer line and water main
 - Exterior tuckpointing
- **LES Contributions: \$100,000**
 - Replacement of 40 window air conditioners/electric furnaces with 40 high-efficiency heat pumps
 - **Annual KWH Savings (Actual): 176,736**
 - **Average Annual Savings per Apartment: \$260**



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Questions?