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Company/Organization: Keene Housing

### Challenge or Opportunity:

Keene Housing has recently joined the US Department of Energy's Better Building's Challenge. As such, we have committed to reducing energy consumption in our portfolio by 20% over the next ten years. The first step toward this 20% reduction was to establish a baseline of historical energy performance against which we can track our progress.

### Approach or Solution:

The undertaking includes 441 units comprising 18 sites. Keene Housing analyzed propane, piped liquid propane, heating oil, electricity and water consumption over a 12-24-month time period for each property. Utility data was gathered from directly from the utilities that service the sites.

Keene Housing established the relative energy performance of each asset. By understanding the energy use intensity (EUI) of a building relative to its peers, we is now able to prioritize more extensive analysis at each of the sites and effectively address and prioritize energy efficiency and capital planning efforts.

The key metrics we are tracking include the following:

- ✓ \$/apartment
- ✓ \$/Square Foot
- ✓ MBTU/Square Foot
- ✓ BTU/Square Foot/HDD—heating energy only
- ✓ BTU/Square Foot/10,000—baseload energy
- ✓ kWh/Square Foot/
- ✓ Gallons of Water/Person / Day

### Impact:

Through benchmarking, we have established our priority sites and identified our savings targets.

Long term goal is to reduce consumption by 20%. This means that by 2025 we will reduce our current consumption by the follow amounts annually.

612,700 kWh

40,427 gallons of propane

446 gallons of heating oil

3,000,000 gallons of water