Energy Conservation

In 2014 we committed to reducing our water consumption and relying entirely on renewable energy sources by 2035. Achieving this ambitious goal requires us to make pursuing opportunities for energy efficiency and generation integral to both our short and long-term strategic planning.

Getting Started

In 2014 we benchmarked our buildings' energy performance and measured them against similar buildings, with similar climates. We use this baseline data each year to track our progress towards reducing our portfolio's water and energy use and to identify unanticipated increases in water or energy consumption.

Conserving Water

- Installing low-flow toilets and fixtures in all apartments
- Controlling resident use of outdoor water spigots
- These simple steps reduced our annual water consumption by 27% since 2013
- Total water cost savings since 2014 is $1,021,4315

Increasing Energy Efficiency

- We conducted blower door tests on every apartment to identify and seal leaks
- Installing LED fixtures throughout our portfolio
- With help from EverSource we are replacing antiquated Electric Thermal Storage heaters with high efficiency air source heat pumps
- The total kilowatt savings since 2014 is 2,378,700 kilowatt-hours
- Total energy costs savings since 2014 is $1,102,369

Generating Electricity

- Generating our own solar powered electricity is an important piece of our renewable goal for 2035
- In 2018 our first solar arrays, generating 465,937 kilowatts, came online at Harper Acres
- In 2019 our 245-kilowatt project went live at Forest View Apartments – generating 991,436 kilowatts
- Our third project, a 113-kilowatt array at North and Gilsum Apartments will be online in late 2020 – generating 332,834 kilowatts

Since 2014, Keene Housing has saved the equivalent of:

- Greenhouse gas emission from 373 passenger vehicles driven for one year

OR

- Carbon dioxide emissions from 1,775,228 pounds of coal burned