Introduction

- Provided 32 site visits and 1 intern to hotel properties in Minnesota.
- Identified opportunities for waste and water reduction and energy efficiency.
- Analyzed 27 properties’ utility bill data to generate average resource use footprints and benchmarks.
- Obtained additional original data through collection of nameplate information, surveys completed by hotel managers, and by visual inspection during site visits and internships.
- Focused primarily on low-cost opportunities for resource conservation.
- Explored a handful of larger capital investment projects that, if implemented, would bring more significant resource and cost savings.

Results

Potential Savings Identified:
- 268,800 pounds solid waste
- 9.8 million gallons water
- 7.2 million kWh electric energy
- 702,100 therms natural gas energy

Representing a combined cost savings to our clients of $1 million

Savings Implemented to Date:
- 10,000 pounds solid waste
- 539,200 kWh electric energy
- 215,000 therms natural gas energy

Representing a combined cost savings to our clients of $132,700

Scope

- Properties ranged from 40 to 400 guestrooms; average 98.
- 27 properties provided two years of historical utility consumption data used to generate the water and energy use footprints and benchmarks.
- 1 waste sort was conducted to estimate solid waste makeup.
- The annual resource benchmarks are normalized by dividing the resource total by the number of rooms and average occupancy rate to allow meaningful comparisons of relative resource efficiency across the properties analyzed.