

LEED O+M: EXISTING BUILDING GOLD 2023

ENERGY

The building is enrolled in a demand response program and could shed up to **50%** of its load to help regulate the grid.

The building's energy use intensity (EUI) is **26 BTU/PERSON**

EMISSIONS

The primary sources of the **4.28k MTCO₂e** emissions for the reporting period June 2022 – May 2023 were



19.7%
HEATING FUEL



35.26%
ELECTRICITY



45.57%
TRANSPORTATION

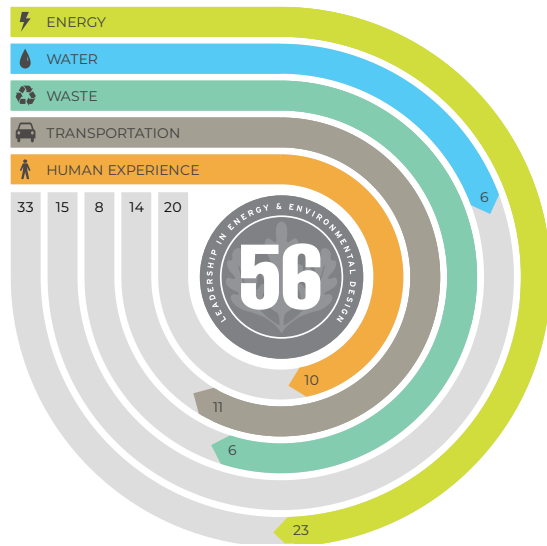
WATER

The calculated Water Use Intensity (WUI) is **29.7 gallons per sf or 6.32k gal per occupant each year.**

SITE

Students measured **100%** of exterior lighting levels at the on and off position to validate low-levels of light pollution.

Over **80%** of the exterior lighting does not trespass off the school grounds.



SUSTAINABILITY POLICIES

The school adopted the following sustainability policies for ongoing operations:

- ➔ Purchasing Policy
- ➔ Facility Maintenance & Renovation Policy
- ➔ Green Cleaning Policy

TRANSPORTATION

On the average week:

 **22%** of students and staff carpool
 **4%** walk
 **4%** arrive in alternative fuel vehicles

Arc Transportation survey:

- ➔ had a 35% response rate
- ➔ translated to 6.51 lbs of GHG emissions
- ➔ average daily commute is 7.88 miles

BUILDING DESCRIPTION

Hathaway Brown is a private all-girls school that serves daycare through 12th grade. The original historic building was built in 1927 and now covers 215,110 square feet.