

# Sustainability in Construction: Student Pavilion proving site

The Student Pavilion is a student activities center and event space operated by students. Using the 74,653 square foot Student Pavilion project as a test site, ASU is developing a new model for design, construction and building ownership by applying Net Zero Energy and Zero Waste goals.

**A Net Zero Energy and Waste building consumes only as much energy as is produced and eliminates solid waste sent to landfills.**

## Process improvements

### 1. Net Zero Energy model

Applies Energy Use Intensity (EUI = kBTU/sf/yr) goals to create a model of highly efficient systems to be used in future buildings and remodels.

### 2. Zero Waste Project Initiation document

Guides project participants including contractors, the design team, and owners and operators to make decisions that align with ASU Zero Waste goals.

### 3. Net Zero Building owner's handbook

Provides all building operators the tools required to maintain the systems and behaviors to support Net Zero energy and waste goals.



[cfo.asu.edu/student-pavilion](http://cfo.asu.edu/student-pavilion)



**Process improvement in action:  
Student Pavilion demolition site achieved 99.91% diversion rate**



14.95 tons of fixtures reused



24.10 tons of hard-to-divert materials recycled



3,353.75 tons diverted locally without any waste to energy



Only 2.96 tons to landfill

**Zero Waste**  
Reduce | Reuse | Recycle