STEM is Silver

Clark College's new STEM Building has a LEED Silver certification. Here are a few environmentally friendly aspects of the building and its construction:

- The building is cooled by water pumped from the local wellfield through a campuswide hydronics (water-based heating and cooling) system. This same water is used to heat the building with help from high-efficiency gas boilers, then is circulated back to irrigate the campus landscaping. This creates a "closed circuit," where the water is continually pumped from, and then returned to, the land—a system that eliminates waste and reduces energy costs.
- Bike lockers on the lower level and a shower on the first floor encourage bike commuting.
- Bottle-filling stations on each floor allow students and

visitors to eschew single-use bottled beverages in favor of reusable drink containers.

- The windows of south wall are made of double-paned glass filled with Argon gas and coated with a low-E value film to reduce the light and heat load. Additionally, metal sunshades block the higher sun during the hotter days of summer, but allow the lowered sun in winter to strike the glass directly and increase available natural lighting and heat. The sunshades also reflect light up into the corridors to reduce the need for artificial lighting during the day.
- Almost 99 percent of the construction waste was recycled.

Photo: Clark College/Hannah Erickson