**ENERGY EFFICIENCY**

Anticipating an EMISSIONS reduction of 714 MTCO2e PER YEAR.

Annual reductions EQUIVALENT to:
- CO2 Emissions of 149 PASSENGER VEHICLES.
- Electric use of 107 HOMES.
- Total energy use of 37 HOMES.
- Carbon sequestered annually by 585 ACRES OF U.S. FORESTS.
- 3.0 RAILCARS worth of COAL.
- Emissions avoided by recycling 267 TONS OF WASTE

Anticipating a LIGHTING POWER DENSITY (LPD) of 0.7 WATTS/SF. This is 42% MORE EFFICIENT than code. Current code adapted by Ohio allows for 1.2 Watts/SF for university building types.

Installing LED LUMINARIES throughout entire project.

Incorporating ENERGY EFFICIENT DESIGN such as variable refrigerant flow systems, dedicated outside air systems, geothermal heat exchange, light dimming, vacancy/occupancy sensors, and daylight harvesting.

Incorporating approx. 19 MILES of geothermal piping underground for GEOTHERMAL HEAT EXCHANGE.

Using PLUG LOAD CONTROLS that allow receptacles to be controlled on/off based on room occupancy. This reduces energy waste due to ‘vampire’ loads of electric devices left on when people leave a room.

**ENERGY SAVINGS**

LCC 2008 - 130.7 kBtu/yr-sf
LCC 2016 - 69.8 kBtu/yr-sf

**WATER SAVINGS**

46% water use reduction.

**RECYCLING PROGRAM**

47% of total waste is being diverted from the landfill.

**GREEN GROUP**

Student organization geared toward campus sustainability.

**SUSTAINABLE SITE**

Incorporating GREEN INFRASTRUCTURE DEMONSTRATIONS into the Master Plan such as pervious pavement, raingardens, and stormwater basins.

Utilizing SUSTAINABLE MAINTENANCE PRACTICES such as Integrated Pest Management fuel-efficient and low emitting equipment.

Converting 95% of campus existing forest and natural features.

Striving for a SMOKE FREE campus.

Planting with NATIVE PLANT palette.

Using DARK SKY site lighting.

**AWARDS**

2012 LEED SILVER New Construction Holden University Center
2014 LEED SILVER Commercial Interiors C Building Renovation
2010 BELLWETHER AWARD Planning, Governance & Finance for Energy Efficiency Program
2012 CRAIN’S CLEVELAND BUSINESS EMERALD AWARD Champions of Sustainable Business Strategies
2011-2014 ASHE STAR REPORTER AWARD