



Helen Sommers Building Sustainability

The Helen Sommers Building is the end result of the 1063 Block Replacement project, one of the state's most energy efficient, sustainable projects. Here are some of the building's most sustainable features:

- 71.4% reduction in CO2 equivalent emissions compared to the average office building. The impact of that is equal to removing 291 cars off the road for a year, or saving all electricity use in 204 homes for a year.
- Concrete mixes used for the project reduced embodied greenhouse gas emissions by 31% compared to average mix designs in the U.S.
- 10.63% of the building's energy is from renewable solar power. This is equivalent to 166,447 kilowatt hours (kWh) per year -- enough energy to power 13 homes for a year.
- Highly efficient LED lighting, controlled by daylight sensors, minimizes unnecessary energy use, saving CO2 emissions equal to burning 141,988 pounds of coal each year. The energy saved from these LED fixtures is enough to power 19 homes for a year.
- A highly reflective roof, reducing the energy needed to cool the building.
- 75% of the heating comes from heat recovery chillers and ground source heat exchangers that use geothermal energy from the earth. The system saves the equivalent greenhouse gas emissions of a vehicle traveling 318,082 miles per year.

Helen Sommers Building By the Numbers



CERTIFIED: LEED Platinum

Platinum



GOAL: Energy Use Intensity (EUI)
of 30.1 kBtu/SF/year
AS DESIGNED: 26.3 EUI

26.3



GOAL: ENERGY STAR Score of 99
TARGET FINDER SCORE: 100

100



GOAL: 35% Potable Water Reduction
AS DESIGNED: 45.5% Reduction

45.5%