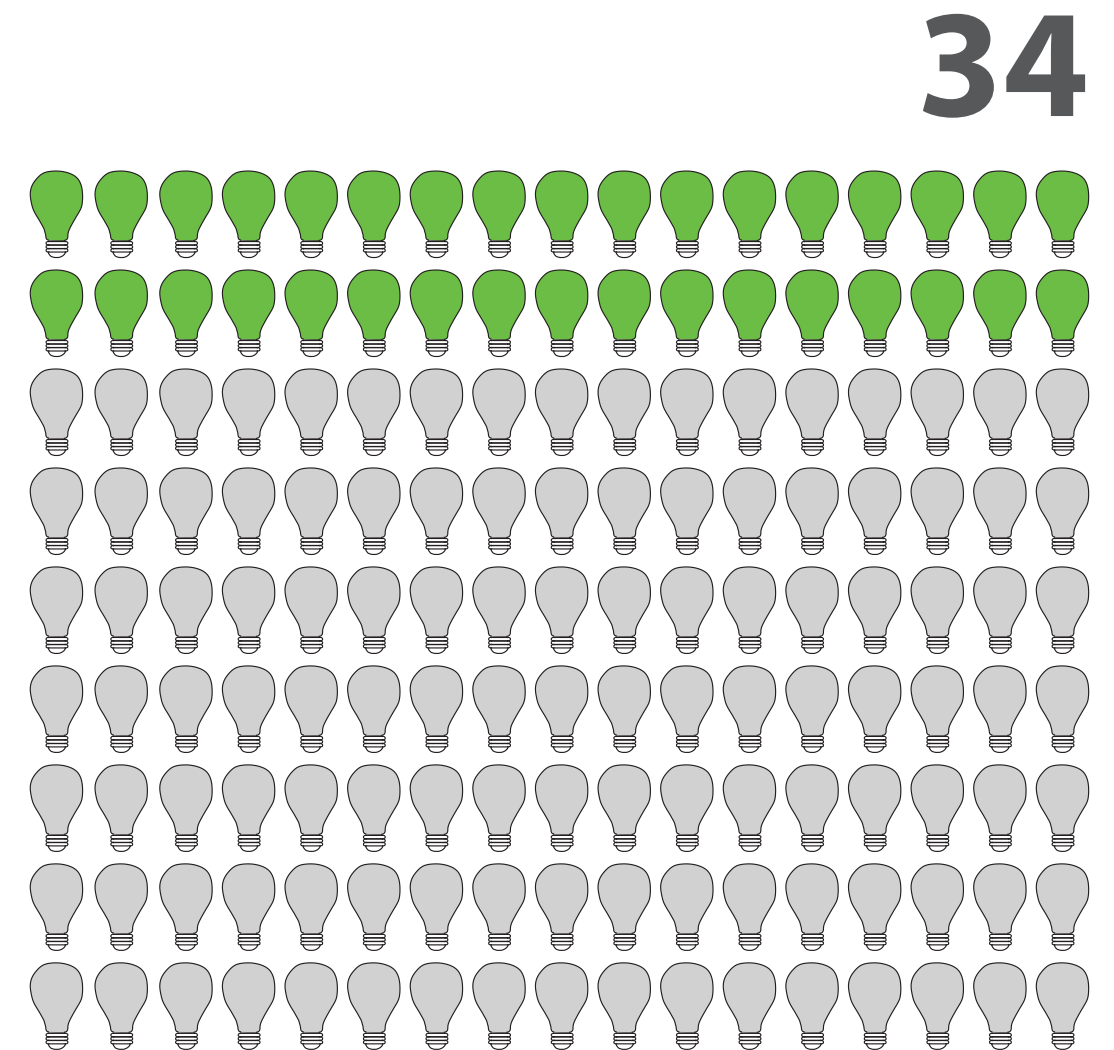
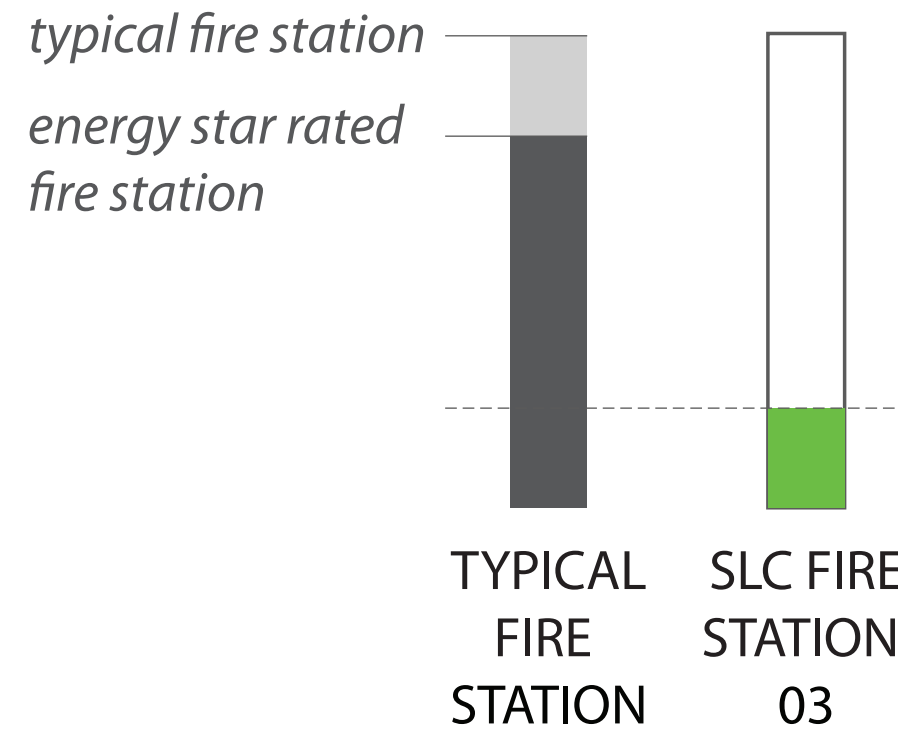


# SLC FIRE STATION 3 ENERGY USE REDUCTION

SLC Fire Station 3 is projected to be 78% more energy efficient than the typical fire station resulting in an Energy Use Intensity (EUI) of 34.

A typical fire station has an EUI of 153\*.



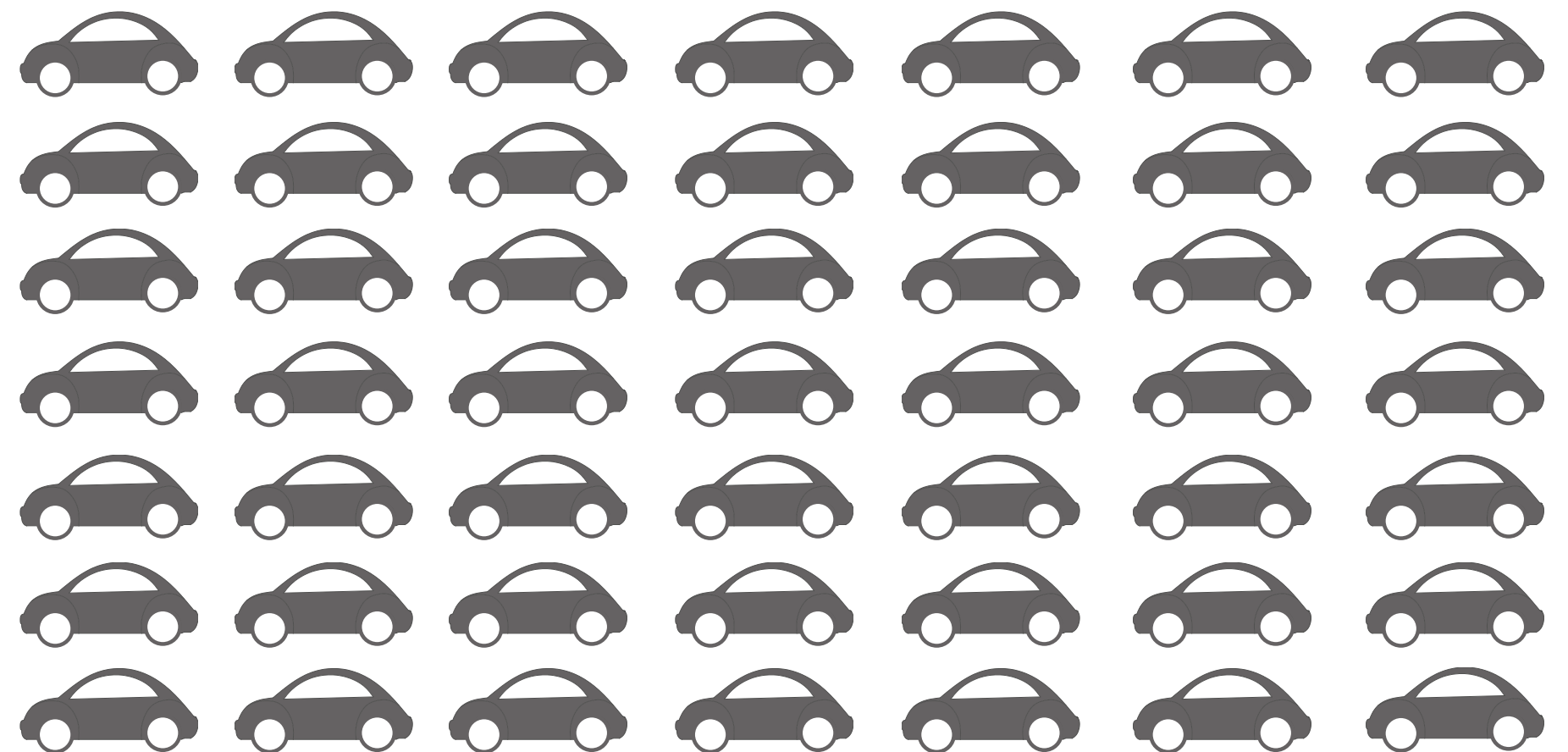
EUI is a building's annual energy use per unit area, typically measured in thousands of BTU per square foot per year (kBtu/ft<sup>2</sup>/yr)

\*Energy consumption is compared to typical Fire Station EUI as reported by Energy Star Portfolio Manager 2016.

# SLC 3 CONSTRUCTION WASTE MANAGEMENT

FIRE STATION

Over 80% of all construction waste was recycled & diverted from landfills

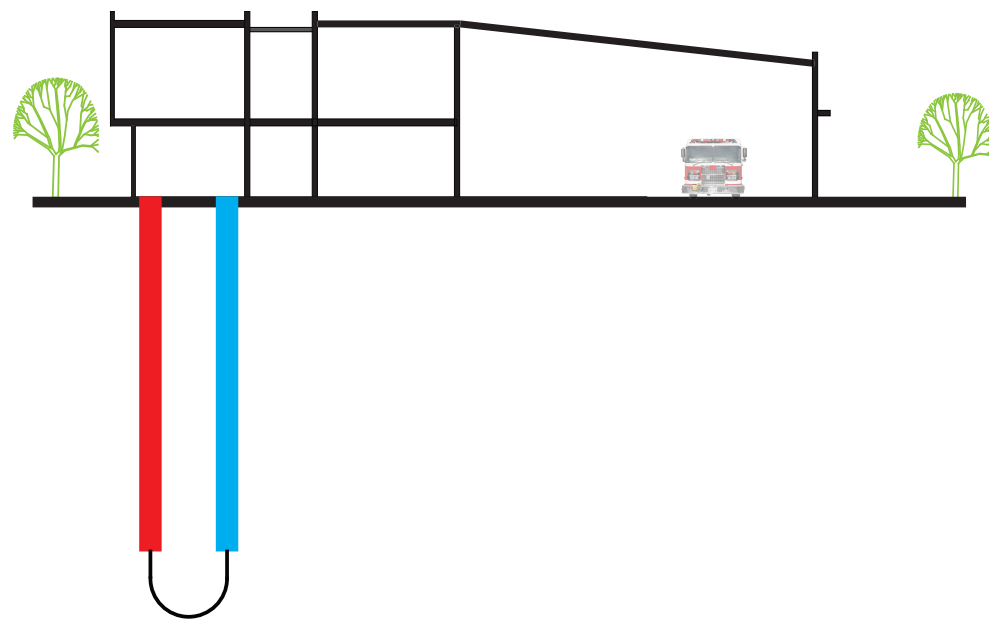


112 tons of waste was recycled and diverted from the landfill. This is equivalent to the weight of 56 Volkswagen Beetles

# SLC 3

## FIRE STATION 3 GEOTHERMAL HEATING & COOLING

SLC Fire Station 3 utilizes a geothermal heating and cooling system which makes use of the earth's ambient temperature to heat and cool the building. (24) vertical bores extend 400' down into the earth.

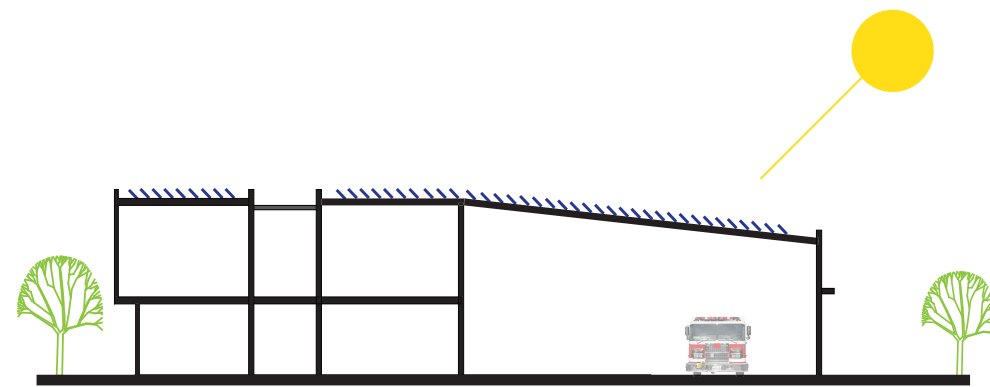


Equivalent number of homes that could be heated by the station's geothermal system\*

\*BTU's of a typical 2,000 sf residence were based on EIA reported averages as of 2012 as compared to Fire Station 3 energy model projections.

# SLC 3 PHOTOVOLTAIC ENERGY

The solar panel array mounted on the roof of SLC Fire Station 3 contains 306 panels which generate 110,000 watts of power at any point in time.



27

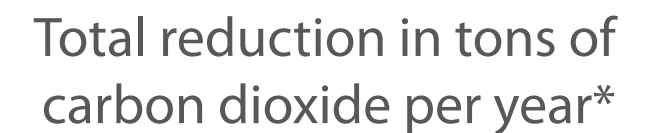


The power generated by the solar panel array is equivalent to the power needed to supply (27)SLC homes annually\*

\*Watts per square foot for a typical 2,000 sf residential household estimated at 2 watts per square foot.

# CARBON DIOXIDE EMISSIONS REDUCTION

450

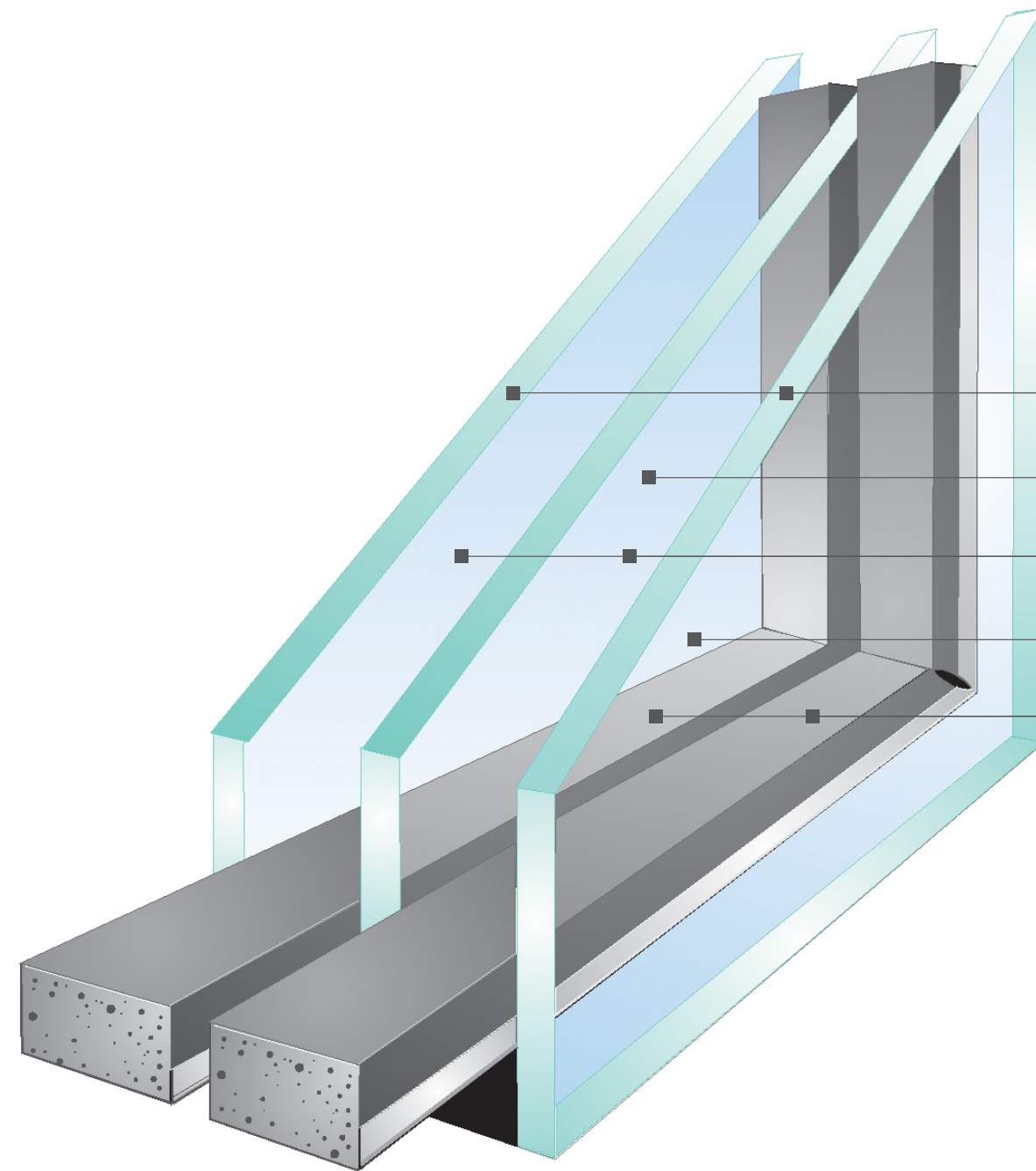
The logo of the Salt Lake City Fire Department is a shield-shaped emblem. It features a central circular seal with the letters "FD" in the middle. Around the seal, the words "FIRE", "RESCUE", and "EMS" are written in a circular path. Below the seal, it says "EST. 1883". The shield's border contains the words "SALT LAKE CITY" at the top and "FIRE" at the bottom.

# SLC 3 GLAZING SYSTEMS

## FIRE STATION

SLC Fire Station 3 utilizes a high performance glazing system through- out the facility.

The system is triple-pane, thermally broken with a U-value of .16



**.16 U-Value**  
**Triple-Pane**  
**Thermally Broken**  
**Low-e Glass**  
**Clear Glass**  
**Argon Filled**  
**Ceramic Frit**  
**Low Conductivity Spacers**



# SLC 3 BIOSWALE STORMWATER FILTRATION

The entire parking lot of Fire Station 03 drains stormwater runoff into a Bioswale filtration system, located along the east edge of the site.

Native plantings filter the stormwater runoff before it returns to the aquifer below.

