



WHY DESIGN GREEN?

The buildings in which we work and live have a large impact on our personal health and environmental resources. Green Buildings use less energy, use natural materials wisely, use materials that contain less chemicals, and create a healthier atmosphere for their occupants.

SWEETWATER GRANGE GREEN DESIGN FEATURES:

DID YOU KNOW?

US Building Impacts:

- 12% Water Use
- 39% CO2 emissions
- 65% Waste output
- 71% Electricity consumption

US Energy Consumption

- 39% Buildings
- 29% Industry
- 32% Transportation

Perceived Advantages of Building Green

- 8-9% decrease in operating costs
- 7.5% increase in building values
- 3.5% increase in occupancy

Source: USGBC Charts

- ▶ Spaces throughout have high windows providing an abundance of day lighting and large low windows with views out into park area.
- ▶ Windows are operable for natural ventilation and fresh air.
- ▶ Energy Star qualified refrigerator and dishwasher.
- ▶ Preferred parking space for low emitting and fuel efficient vehicles are designated near the main entrance to the Grange.
- ▶ Recycling center has been incorporated to reduce the volume of waste sent to a landfill.
- ▶ Native and indigenous plantings are being used to reduce need for water and fertilizers.
- ▶ The grounds surrounding the Sweetwater Grange will be planted with trees to provide shade.
- ▶ Exterior and interior lighting is designed to reduce nighttime light pollution and provide night sky visibility.
- ▶ By installing environmental design elements like energy efficient heating and cooling equipment, low-e windows, energy efficient lighting, and energy efficient kitchen appliances the overall energy performance of the Sweetwater Grange will be 20%-30% less than a typical building of this size.
- ▶ The HVAC system will minimize or eliminate the emissions of compounds that contribute to ozone depletion.
- ▶ The Sweetwater Grange has a green housekeeping policy reducing the occupant's exposure to potentially hazardous chemicals, and particle contaminants.



DURING CONSTRUCTION

- Whenever possible, the construction waste was diverted to recycling programs instead of landfills.
- The exterior barn wood is reused wood from logs submerged and preserved in the depths of Salt Lake. By reusing these logs, the building is reducing the need for virgin materials.
- New materials used throughout have recycled content such as ceramic tile, carpet tile, toilet partitions and solid surface countertops.
- A minimum of 20% of materials including lumber and stone are extracted, processed, and manufactured within 500 miles of the site reducing environmental costs of transportation and supporting local economies
- The Sweetwater Grange has been flushed out with air during and after construction to remove any chemical emissions from the building products that may potentially be irritating to occupants.