

## Daybreak Elementary School and Community Center

4544 Harvest Moon Dr  
South Jordan, Utah 84095

LEED certification level: Silver  
Certification year: 2006

### LEED Fact Sheet

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#### Building Overview

A joint venture between Kennecott Land and the Jordan School District, the Daybreak Elementary School and Community Center was awarded LEED Silver certification in 2006. The Daybreak Elementary School and Community Center is also EnergyStar® rated. The EPA uses EnergyStar to evaluate the overall performance of a building over a 12-month period.

The project was reviewed for measures taken in the categories of sustainable sites, water efficiency, energy and atmosphere, materials and resources, and innovation and design.

#### Sustainable Sites

- Covered more than 40 percent of pavement with light colored concrete or shaded with trees to reduce heat island effects.
- Controlled storm water runoff to help prevent water pollution and reduce storm water volumes.
- Controlled erosion and sedimentation during all phases of construction to prevent air and water pollution, and soil loss.

#### Water Efficiency

- Reduces outdoor water use by 50 percent by using water efficient native vegetation and a high efficiency irrigation system.
- Utilizes a secondary water system to cut down on culinary water use for outdoor irrigation.
- Reduces indoor water use by more than 22 percent through the use of low-flow fixtures.

#### Energy and Atmosphere

- Utilizes an extensive ground source pump system, which captures the earth's constant temperature to efficiently provide heating and cooling. This system, in conjunction with high performance equipment and building components, yield a projected yearly energy cost savings of more than 33 percent.
- Uses energy efficient lamps and ballasts to decrease energy consumption.

#### Materials and Resources

- Sorted and recycled more than 57 percent of the construction waste generated by the project.
- Built with an exceptionally high level of materials with recycled content that includes steel, building insulation, gypsum board, window frames, carpet, and sports flooring.
- Built with low emitting materials that include adhesives, sealants, paints, primers, carpeting and composite wood products. Products

have been carefully selected to avoid volatile organic compounds, formaldehydes and other hazardous and irritating chemicals.

### **Innovation and Design**

- Designed to accommodate educational, recreational and community needs. Through sharing and combining spaces, each group is provided the use of facilities that would otherwise not be possible and results in saving physical space, drastically reducing mechanical equipment, materials, and parking.