

Rio Tinto Distribution Center

6076 W 10385 S
South Jordan, Utah 84095

LEED certification level: Gold
Certification year: 2009

LEED Fact Sheet

Building Overview

The Rio Tinto Distribution Center was awarded LEED Gold certification in 2009. The distribution center includes 225,000 square feet of warehouse space, 15,600 square feet of office and meeting space, and encompasses 9 million cubic feet of volume.

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

- Consolidates and replaces 19 previously used storage facilities under one five-acre roof. The location of the distribution center creates efficiencies while reducing the need for travel by being closer to delivery sites within Rio Tinto's Utah operations.

Water Efficiency

- Uses landscaping that emphasize climate appropriate vegetation to minimize water use. Only non-culinary water is used for site irrigation.

Energy and Atmosphere

- Purchases green power, under a two-year agreement, which accounts for 10 percent of total electrical usage.

Materials and Resources

- Minimizes the effects of solar heat gain through a roof which is made from a highly reflective white roofing material called Thermoplastic Olefin that creates a cool roof.
- Made with nearly 34 percent recycled material, and nearly 92.6 percent of all construction waste was diverted to appropriate recycling facilities. Contrasted to the typical 50 percent needed to receive a LEED point for recycling.
- Consists of 21.6 percent materials extracted, processed and manufactured within a 500-mile radius of the site, which supported local and regional economies while reducing transportation costs and environmental impacts.
- 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

- Saves approximately 20 miles and four delivery runs per day, contributing to improved safety and a reduction in the company's carbon footprint.