



Skagit Valley College – Lewis Hall

LEED Gold



Project Specifics

Gross square footage:	72,858 gross sf
Construction cost:	\$32,400,000
Project occupied:	2014
Energy savings:	\$25,000 / 319,780 kWh/yr
Water savings:	\$3,000 / 69,000 gallons/yr
Added LEED cost:	\$791,786
Incentives:	No incentives
LEED Payback:	27.8 years
CO ₂ savings:	47.7 Metric tons/yr.

Design and construction team

Owner's representative:	Dave Scott, Skagit Valley College
Project manager:	Bob Colasurdo, DES
Architect:	Schreiber, Starling, and Lane Architects
Structural engineer:	Coughlin Porter Lundeen
Mechanical engineer:	Wood Harbinger
Civil engineer:	Northwest Datum & Design Inc.
Electrical engineer:	K Engineers, Inc.
Landscape architect:	HBB Landscape Architecture
LEED consultant:	Brightworks
General contractor:	Burke Construction Group Inc.

Completed in August 2014 and officially designated as Lewis Hall, the three-story, 71,636 square-foot facility houses student services for Registration, Admissions, and Counseling as well academic programs for Health Sciences including 22 classrooms, math and computer labs.

In awarding the Gold LEED rating, the Council cited Lewis Hall's numerous green features.

1. The facility saves heating energy by employing loss-reducing features for roof, wall and window construction, and for its use of occupancy sensors and chilled beams.
2. It saves water through use of low-flow fixtures in restroom and public spaces, and promotes water quality through its use of rain gardens and rainwater collection.
3. It saves lighting energy by use of room occupancy sensors and occupant overrides.
4. It provides for a healthier interior environment by using more outdoor air for interior ventilation, a max volume air circulations system and low emission materials.
5. Parking lot includes electric car charging stations and parking spaces for low emission vehicles.

Sustainable Sites

Land Improvement: 69 percent of the previously developed site is comprised of open space, 41 percent of that open space is vegetated.

Alternative Transportation: Skagit Valley College is served by three (3) bus lines with 0.25 miles of the site. Bicycle storage, shower/changing facilities, and racks have been provided.

Light Pollution Reduction: The project is located in a campus setting and is compliant with LEED-NC for multiple buildings and On-Campus Building Projects.

Water Efficiency

Irrigation: The installed irrigation system reduces potable water consumption by 55.64 percent from baseline.

Water Efficient Fixtures: The project utilizes ultra-low flow urinals, dual flush toilets, and low flow lavatories for an 85 percent reduction from baseline.

Rainwater Collection: This project has a rainwater collection system that collects rain from the surface area of the roof for flush fixtures and irrigation. A 15,000-gallon cistern tank has been provided for rainwater reclamation

Energy and Atmosphere

Natural Light: Occupants experience direct line of site views from many of the regularly occupied areas have been provided.

Heating and Cooling: Energy efficient methods include an improved thermal envelope, high efficiency glazing, occupancy sensors, and chilled beams.

Lighting: Multi shared and individual work stations have been provided with occupancy sensors, override on-off switches, and multi-level lighting controls.

On-Site Renewable Energy: The project included 15.5kW Net Metered Photovoltaic Array generating 16,517kWh per year and saving \$1051.17 in electricity.

As part of the project, wood from a Giant Sequoia tree on campus that was diseased was milled and installed in the atrium.



Material and Resources

Recycle Materials: The project utilized 11.52 percent recycled materials by value for building materials.

Local Materials: 18.18 percent of total building materials and/or products have been extracted harvested, or recovered as well as manufactured within 500 miles of the project site.

Occupant Recycling: The facility has been provided with appropriately sized dedicated areas for the collection and storage of recycling materials including cardboard, paper, plastic and glass.

Indoor Environmental Quality

Low Emitting Materials: All indoor paint and coating products comply with the VOC limits of Green Seal and SCAQMD standards. Low emitting materials include adhesives, paints and coatings, carpet systems, composite-woods and agrifiber.

Innovation in Design

Green Cleaning: The College has committed to a LEED-EBOM 2009 IEQc3.6 Green Cleaning/Indoor Pest Management Complaint Housekeeping program.

Exemplary Performance: The facility reduced potable water use for sewage conveyance by 100 percent, reduced water use by 85 percent, and provided double the building area as green space around the building.