



Skagit Valley College – Science and Allied Health Building

LEED Platinum



Project Specifics

Gross square footage:	65,232 sf
Construction cost:	\$22,536,844
Project occupied:	8/2009
Energy savings:	\$27,197/23,461 Therm/yr
Water savings:	121,942 gal/yr
Waste recycled:	749 tons / 98 %
Added LEED cost*:	\$477,441.
Incentives:	\$254,570
LEED Payback**:	8.2 years
CO ₂ savings:	1,167 metric tons per year

Design and Construction Team

Owner's representative:	Dennis Rohloff, Skagit Valley College
Project manager:	Bob Colasurdo, DES
Architect:	Schreiber, Starling, & Lande
Structural engineer:	AHBL
Mechanical engineer:	Wood Harbinger
Civil engineer:	LBS Engineers
Electrical engineer:	K-Engineers
Landscape architect:	Murase Associates
LEED consultant:	Green Building Systems
General contractor:	Tiger Construction

The new Laura Angst Hall, Science and Allied Health Building, is sited on the Southwest corner of the main campus located in Mount Vernon.

The building comprises a 65,232-square-foot building with distance education classrooms, labs for nursing and other health occupations, as well as classrooms for astronomy, biology, chemistry, environmental conservation and physics.

The facility was built with a host of sustainable features including a rain garden that will also function as a lab. photovoltaic panels that supply 8.5 percent of the building's electricity, lighting that self-adjusts to natural light, a system that recovers heat from lab hoods, and plumbing fixtures that use 40 percent less water.

The contractor achieved a 98 percent rate of recycling for construction waste, no new parking was added. The building achieved LEED Platinum certification.

The Distance Education portion of the building, equipped with Wi-Fi networks and smart classrooms will allow student options for learning opportunities at other community colleges as well as four-year universities.

Sustainable Sites

Land Improvement: The project removed a contaminated building within the project limits resulting in a credit for brownfield redevelopment and for maximization of open space.

Alternative Transportation: Skagit Valley College is served by two (2) 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 reduce potable water consumption by 68.4 percent from baseline.

Water Efficient Fixtures: The project utilizes ultra-low flow urinals, dual flush toilets and low flow lavatories, showers and kitchen sinks for a 48 percent reduction from baseline.

Energy and Atmosphere

Natural Light: The project achieved a minimum 2 percent glazing factor or a minimum daylight illuminance of 25 footcandles in 75.8 percent of all regularly occupied spaces.

Heating and Cooling: Energy efficient methods include an improved thermal envelope, high efficiency glazing, reduced lighting power density, occupancy sensors and high efficiency water source heat pumps.

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



Material and Resources

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.

Recycle Materials: The project recycled 749 tons (97.1 percent) of on-site generated waste.

Local Materials: 24.9 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.

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 and sealants, paints and coatings, carpet systems, composite woods and Agrifiber.

Innovation in Design

Education: The project includes an educational display highlighting the building's sustainable design features as well as an educational outreach program.

Green Cleaning: The College has committed to LEED –NC v2.1 IDc1.1 CIR ruling for achievement of a Green Housekeeping program.

