



*Carkeek Park
Environmental Resource Center*

BELLINGHAM TECHNICAL COLLEGE CAMPUS CENTER, BELLINGHAM, WA
Project goal is LEED Silver, featuring a condensing boiler, low flow fixtures and sensors, green roof, photovoltaics, demand control ventilation for HVAC (CO₂ sensors) and kitchen hood exhaust (infrared sensors), and efficient kitchen refrigeration equipment. Wind turbines are being considered.

CARKEEK PARK ENVIRONMENTAL RESOURCE CENTER, SEATTLE, WA
LEED Gold certified. Features radiant heating, rooftop rainwater harvesting, and solar electric (photovoltaic) panels provided by Seattle City Light's Green Power program.

EXPERIENCE MUSIC PROJECT, SEATTLE, WA
Features outside air cooling, heat recovery, carbon dioxide and indoor air quality sensors, lavatory and urinal sensors, ozone water treatment.

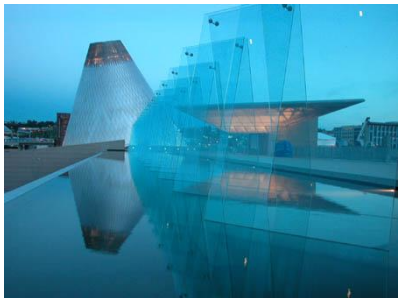


Experience Music Project

FIRE STATION 10 REPLACEMENT, SEATTLE, WA
LEED Silver certified. Features green roof, water recovery system, and more efficient HVAC system.

EVERETT COMMUNITY COLLEGE GRAY WOLF HALL (UNDERGRADUATE EDUCATION CENTER), EVERETT, WA
LEED Silver certified. Features operable windows in administrative areas and increased building envelope.

EVERETT COMMUNITY COLLEGE STUDENT FITNESS & HEALTH CENTER, EVERETT, WA
Project goal is LEED Silver and features natural ventilation with operable windows, demand control ventilation (CO₂ sensors), improved building envelope, heat recovery, high-efficiency equipment, enhanced commissioning and refrigerant management.



Museum of Glass

P-169 HANGAR 5 RECAPITALIZATION, NAS WHIDBEY ISLAND, WA
Features low flow fixtures, reuse of a majority of the building, construction waste and construction IAQ management, lighting controls and installation of low-emitting materials.

HIGH POINT COMMUNITY CENTER EXPANSION, SEATTLE, WA
LEED Silver certified. Features passive/active heating and cooling systems, and plumbing designed for water conservation.

LYNNWOOD HIGH SCHOOL, LYNNWOOD, WA
Features natural ventilation in classrooms, increased insulation, and nighttime purging, as well as sensor-operated faucets and waterless urinals.



Bremerton Bachelor Enlisted Quarters

MUSEUM OF GLASS, TACOMA, WA

No mechanical cooling was required in the hot shop area due to convective cooling and high air change rates; also features heat recovery from the furnaces used to heat domestic water and other building areas, and variable air volume systems in galleries.

P-301 BACHELOR ENLISTED QUARTERS, NAVAL STATION BREMERTON, WA

LEED Certified. Features high-efficiency motors, variable speed drives, and semi-instantaneous water heaters, resulting in an annual savings of 41,000 lbs. of steam per year.

P-348 WATERFRONT SUPPORT FACILITY, BREMERTON, WA

Features 100% outside air used to cool and heat the first floor, low flow fixtures, energy performance optimization, carbon monoxide and dioxide monitoring, construction IAQ plans, semi-instantaneous water heaters, and direct exhaust ventilation systems for dedicated copier locations and janitorial storage areas.



Sammamish Commons

PENINSULA COLLEGE SCIENCE AND TECHNOLOGY CENTER,

PORT ANGELES, WA

Features geothermal ground coupled heat pumps with underfloor displacement ventilation air distribution and assisted natural ventilation in the connecting spine.

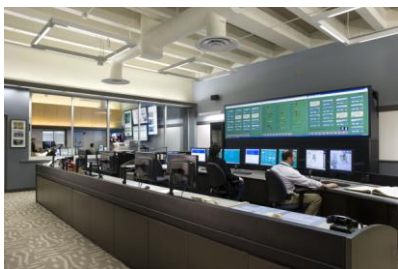
SAMMAMISH COMMONS, SAMMAMISH, WA

LEED Silver certified. Features high efficiency HVAC equipment, high output UVC lights, central DDC system, CO₂ sensors, and water conservation fixtures.

SEATTLE PUBLIC UTILITIES OPERATIONS COMMAND CENTER UPGRADE,

SEATTLE, WA

LEED Silver certification is the project goal. Features: water use reduction through conscious fixture selection, equipment efficiency, appropriate zoning and controls, enhanced commissioning, ventilation and thermal comfort compliance and monitoring.



SPU Operations Command Center

SOUTHWEST COMMUNITY CENTER ADDITION AND RENOVATION, SEATTLE, WA

Features non-underfloor displacement ventilation and indirect/direct evaporative cooling.



Southwest Community Center

SOUTHWEST WASHINGTON MEDICAL CENTER EXPANSION, VANCOUVER, WA
Features two-stage air volume control in medical/surgery patient rooms, heat recovery from the clean steam generator used to preheat make-up water, free cooling throughout the patient tower, and CFD modeling performed for patient rooms to ensure comfort conditions.

SWEDISH ORTHOPEDIC INSTITUTE, SEATTLE, WA
Features two-stage air volume control in surgeries and patient rooms, and a mockup of the slot diffuser was created to guarantee comfort in patient rooms. *Green Guide for Health Care* standards were implemented during design decisions.

UW WILLIAM H. FOEGE BUILDING, SEATTLE, WA
Features runaround heat recovery in addition to variable air volume for laboratory air handling systems, high efficiency chillers with variable frequency drives, variable frequency drives on chilled water secondary and heating water pumps, CO₂ sensor in auditorium to control outside air ventilation, and waterless urinals.

UW MICHAEL G. FOSTER SCHOOL OF BUSINESS, SEATTLE, WA
Goal is LEED Silver. Features displacement ventilation in the tiered classrooms, indirect evaporative cooling in conjunction with displacement ventilation in the café and atrium, low flow water fixtures and highly efficient magnetic bearing chillers.

WSU BIOTECHNOLOGY/LIFE SCIENCE BUILDING, PULLMAN, WA
Features indirect evaporative cooling and chilled water at the laboratory air handling units with integrated air-to-air heat recovery.



Swedish Orthopedic Institute



William H. Foegen Building