



LEED Platinum Goal

# Columbia Springs Environmental Education and Science Facility

VANCOUVER, WASHINGTON / NET-ZERO

## Services

MEP Engineering  
Sustainable Design  
Building Technology  
Fire/Life Safety  
Energy Consulting  
Commissioning  
Lighting

### FAST FACTS

#### Architect

Miller/Hull Partnership

#### Completion

2009 (est.)

#### Building Size

17,000 sf

#### Project Cost

\$13 million

#### Contact

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Renderings: Miller/Hull Partnership



**C**olumbia Springs Environmental Education and Science Facility is an environment education and research lab with a LEED Platinum goal. The design process includes collaborative effort with local public utility district and two school districts.

The educational center will integrate daylighting throughout the building.

#### Engineering design features Include:

- » net-zero energy use goal identified early in design process
- » project modeled to be 85-percent more efficient than code
- » integrated daylighting and photovoltaics using *electric glass* in skylights
- » capitalized on free energy inherent with the site's location
- » natural ventilation
- » sensitive to natural ecology
- » 12KW PV Canopy used on bus shelter
- » microhydro turbines provide on-site electricity around the clock