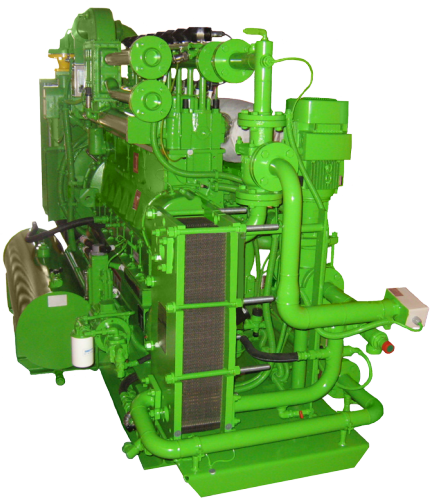
Green by Design

and Certified LEED Platinum

Commitment

LOTT is committed to recovering and restoring valuable resources such as biosolids, methane gas, and reclaimed water for beneficial use. In 2009, a new opportunity arose for LOTT to demonstrate responsible stewardship of Earth's resources. During the design and construction of LOTT's Business Offices, Water Education and Technology Center, and Water Quality Laboratory, engineers, architects, and staff incorporated numerous energy and resource conservation ideas to create a LEED Platinum Certified building.



LEED (Leadership in Energy and Environmental Design) is an internationally recognized green building certification system developed by the U.S. Green Building Council. It provides third-party verification that a building or development is designed and built using strategies aimed at improving performance in the following areas:

Energy Savings

Water Efficiency

Carbon Dioxide Emissions Reduction

Improvements in Indoor Air Quality

Stewardship of Resources

Reduction of Environmental Impacts

LEED certification is based on a point system. The number of points achieved determines the level of LEED certification that a project can be awarded, with Platinum being the highest level. Our building's LEED features include:

Water-Saving Faucets

Faucets in restrooms are sensory operated to prevent waste, and are equipped with aerators to reduce the water flow while providing ample pressure.

Water-Efficient Landscaping

The landscaping features drought-resistant and native plant species well-suited to the area.

Reclaimed Water Use

The entire landscape for the building is irrigated with Class A Reclaimed Water produced at the Budd Inlet Reclaimed Water Plant. The water fountain and pond also use reclaimed water. In addition, all toilets and urinals inside the building use reclaimed water for flushing.

Furniture

Furniture is made of material produced from at least 30% recycled content. At the end of its useful life, the furniture is ultimately recyclable.

Efficient Lighting

Natural light from floor to ceiling windows provides 75% of the building's lighting needs. The light fixtures also use energy efficient bulbs.

High-Efficiency Toilets

Pressure-assisted toilets that use 1.1 gallons per flush have been installed to reduce water use by 20% over standard 1.6 gallons per flush models. The building also includes a public "demonstration" restroom featuring five different residential-style high-efficiency toilets.

At least 75% of the construction waste materials were recycled instead of being sent to a landfill. And the steel used in the construction contains 90% recycled content.

Ceiling Treatment

Several areas, including the Water Education and Technology Center, Board Room, and 4th floor meeting room, have ceilings and paneling made from recycled wood. Approximately 20,300 board feet were recycled from old warehouses once located on Port of Olympia property.

Green Roof

To minimize stormwater runoff in winter months, and help cool the building in summer months, 4,230 square feet of the building's roof has vegetation.

Heat

The building is both heated and cooled using waste heat from a generator that runs on methane produced at the treatment plant.

Windows

The exterior glass is double-paned and coated to provide high-grade insulation. The louvers on the exterior glass are controlled via computer to limit sunshine during warm weather and maximize sunshine during cold weather.

Wall and Floor Coverings

Paint and caulk used throughout the building are low in volatile organic compounds (VOCs). The carpeting and wood are also low-VOC and formaldehyde-free.

Power

All of the electricity used for this building is either methane-generated or is Green Power purchased from Puget Sound Energy.

Transportation

The building's parking lot is equipped with a plug-in for hybrid and electric vehicles. Bicycle lockers are also provided as an incentive for staff to use alternative forms of commuting.

For More Information

Come visit us at 500 Adams Street NE, Olympia, WA 98501 or online at **www.lottcleanwater.org.**

LOTT™ Clean Water Alliance