



Christy Love | P.Eng., LEED AP® BD+C
**Associate, Vancouver Island Regional
Manager**

Christy Love is a senior project engineer with an emphasis on energy- and water-efficient mechanical systems, research, and sustainability. She has completed analyses for a range of energy and water conservation projects and conducted research on innovative system design strategies.

Expertise + Experience

Christy has designed plumbing and HVAC systems for healthcare, laboratory, IT, educational, high-rise residential, and community projects.

In addition to a broad understanding of strategies to improve a building's performance, Christy brings strong project management and clear communication to her client relationships. She particularly enjoys helping her clients fully understand the financial, functional, and environmental tradeoffs of a range of design strategies, enabling them to make informed choices to optimal benefit.

Prior to joining RDH in 2014, Christy spent five years each at two innovative MEP design firms in Vancouver, BC, and Portland, OR.

Christy is an Associate and shareholder at RDH, and is committed to the success of RDH projects.

Education

B.A.Sc., Civil Engineering (Environmental Option), University of British Columbia, BC

B.A., Anthropology, McGill University, QC

Memberships + Awards

Kaiser "Small Hospital, Big Idea" international design competition - Project Manager and Water Analyst for development of co-winning submission, which included full advanced schematic design. The resulting 100-bed hospital consumed 68 kBtu/sf/yr energy and less than 6M gallons/yr water.

P.Eng, Association of Professional Engineers and Geoscientists of BC (APEGBC)

Associate Member, American Society of Heating, Refrigeration, and Air-Conditioning Engineers (ASHRAE)

Member, International Passive House Association, Canadian Passive House Institute

LEED® Accredited Professional: Building Design + Construction

Typical Projects

DESIGN + PROJECT MANAGEMENT

Christy has provided project management and mechanical design for numerous projects, including:

- HVAC Retrofit Pilot Research for Small Commercial Buildings - comprehensive, multi-year, 16-building pilot research project for the Northwest Energy Efficiency Alliance
- Cost-Benefit Analysis of Super-Efficient New Buildings - Costing study for BC Hydro.
- North Park Passive House, Victoria, BC - Post-Occupancy Measurement and Verification research.
- 819 Yates, Victoria BC - Energy code compliance review for enclosure components of large new residential/retail building.
- Nanook House Childcare Center, Vancouver, BC - heat recovery, radiant heating systems.

ENERGY + WATER ANALYSIS

- Lord Harley Apartments, Victoria, BC - energy analysis for enclosure and mechanical systems retrofit to 120-unit rental building.
- Over three dozen Technical Analysis Studies for commercial and residential buildings on behalf of the Energy Trust of Oregon - This represents nearly \$3M in incentives and over 20M kWh in estimated energy savings for clients in the residential, higher education, hospitality, healthcare, and office sectors.
- Indiana University Hospital (IUH), Indianapolis, IN - Project Manager and Water Analyst for comprehensive Sustainability Assessment, which benchmarked performance and identified a \$10M opportunity in energy, water, materials, and waste reduction at IUH's three largest hospitals.



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Publications

- “From Building Rehabilitation to Deep Energy Retrofit: An Opportunity for Rental Apartments.” *The Key Magazine (Landlord BC)*, Winter 2014.
- “From Do No Harm to Regeneration: The Future of Hospital Design.” *EDC Magazine*, April 2013. (co-author)
- “Hospitals Can Tap into Savings through Water Conservation.” *Healthcare Design*, January 2013.
- Love, Christy, et al. “Operating Room HVAC Setback Strategies.” *American Society for Healthcare Engineering (ASHE) Monograph*, 2011.