

UBC DISTRICT ENERGY CENTRE | DIALOG



As stewards of large public institutions, educators of future leaders, and active participants in the search for ideas and solutions that will shape our common future, universities have a critical role to play in advancing the sustainability agenda. The University of British Columbia is recognized internationally as a leader in sustainable innovation with a balanced focus on People, Place, and Process. Sustainability decisions are informed and guided by equal measures of ecology, economy, and expectations of society. The University made a commitment to reduce its greenhouse gas emission to 33% of its 2007 levels by 2015. The Campus Energy Centre, a new hot water heating plant and district hot-water loop replacing the existing steam boiler plant, is a major contributor to achieving this target of reducing its carbon footprint and associated carbon taxes.

Architect: **Jennifer Zatser**

Country: **Canada**

The wood structure has sequestered 30 tonnes of CO². In terms of water, the building utilizes 31% less than the base case by installing low-flow fixtures and incorporates an integrated stormwater management system. ^

In addition to the functional requirements of the facility, there was a mandate for the Centre be a 'living laboratory'. The site offered an opportunity to showcase the industrial side of the campus. The glazed skin of the boiler room provides views into the vaulted space of the process area, celebrating the energy centre's function.



UBC District Energy Centre (4)

The Campus Energy Centre is a transformational project towards UBC's long term target of eliminating the use of fossil fuels on campus by 2050, and advancing clean energy research.

