

2017 Community Recognition Awards

LMLGA – Lower Mainland Local Government Association

KANAKA CREEK WATERSHED STEWARDSHIP CENTRE

Metro Vancouver, BC



The recently completed Watershed Stewardship Centre project includes two wood buildings designed and built to support educational programs at Kanaka Creek Regional Park, focused on stewardship of watersheds, creeks, parks and related ecosystems. The overall project also included a natural storm water drainage system, wetland, landscape interpretation, and a fish hatchery. The buildings themselves are an integral part of the educational programming, by demonstrating how development can protect and enhance the environmental and aesthetic values of a site. The use of sustainable, durable, and locally sourced wood is a key aspect of this low impact development approach. The buildings are designed to blend with and complement the surrounding landscape, and to create closely linked interior and exterior spaces. The cedar siding emphasizes this integration and prominently reflects the regional parks' mandate to connect people with nature.

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DELBROOK COMMUNITY RECREATION CENTRE

District of North Vancouver, BC



The new Delbrook's design is inspired by light and our natural environment with lots of glass and wood. The building is uniquely situated on a slope that goes from the northeast corner down 10 metres to the southwest corner. Interior spaces have been configured to maximize light and views out to the park land south of the building. An alternative solution was developed which permitted extensive use of glue laminated timbers in a main public area.

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ALEXANDRA DISTRICT ENERGY BUILDING

City of Richmond, BC



The City of Richmond's leadership in sustainability has received international recognition for its success. It has implemented several progressive strategies to mitigate climate change – two of which come together in the recently completed Alexandra District Energy Utility (ADEU) building.

The project is part of an ambitious district energy systems approach to providing affordable, low-emissions heating and cooling to a growing number of buildings in the community. Instead of a district's energy system being hidden, out of sight and housed in functional yet uninspiring structures, the Alexandra District Energy building is centralized, and integrated into Richmond's urban fabric. Being so, brings the opportunity for energy conversation into the community.

The building used local, innovative and low carbon wood products in city-owned facilities. This wood was used as a cladding material as well as structural material throughout the building.

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GRANDVIEW HEIGHTS AQUATIC CENTRE

City of Surrey, BC



At the centre of the developing Grandview Heights neighbourhood in rapidly growing Surrey, families, athletes and swim clubs alike have been clamouring for the iconic Grandview Heights Aquatic Centre to open its doors. Both a destination training facility and key venue for regional, national and international competitions, the centre is an anchor for the developing community.

As part of its Build Surrey Program, the City of Surrey planned a new pool to provide an iconic, world-class, destination facility in its developing South Surrey neighbourhood. They sought a collaborative, innovative environment with the free exchange of ideas, thoughts and information between the project team.

Investigating the feasibility of an almost-exclusively wood roof solution, the project team developed the world's longest span timber catenary roof ever built. Pioneering technical excellence, the distinctive roof undulations were driven by functional needs, rather than lofty aesthetic goals – a perfect union of form and function. Prefabricated from regionally-sourced Douglas fir beams, these roof panels were crane-lifted into place in just eight days. The structure achieves the clear spans required for pools, yet used only a 1m-thick structure; by reducing the building volume, the design team was able to ensure energy cost savings for building envelope materials and facility operations.