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Stantec

July 18th, 2011

Rob St. Onge, CEM, LEED® Green Associate
Energy Manager
Okanagan College
1000 KLO Road
Kelowna B.C., V1Y4X8

Dear Rob St. Onge:

Reference: STARS Letter of Affirmation of Innovation – Treated Effluent Water Heat Recovery

This letter affirms that the strategy used by the College to utilize heat from sewage outfall is truly innovative. The college installed and operates, for the Centre for Learning, a system that utilizes heat from Treated Effluent Water (TEW) from the Kelowna Waste Water Treatment plant. The system uses a Dedicated Heat Recovery Chiller to extract heat from the sewage outfall prior to being discharged into Lake Okanagan. The installation has had the following unique innovative benefits:

- Decrease in Energy Costs from use of technology (Sewage Outfall Heat Recovery)
- Reduction in Carbon Footprint (Less Natural Gas consumed)
- Demonstration of this Technology to Students, Facility and the Public
- An overall significant net decrease in the temperature of the TEW. This has had a positive impact on the Lake Okanagan ecosystem (fish and general health).

At the time of installation this system, of utilizing heat from Treated Effluent Water, had not been installed for any other facility anywhere in the Okanagan region. We believe it is, therefore, truly innovative. As part of knowledge shared from this project other facilities have started to consider using the same system including the Kelowna Waste Water Treatment Plant itself. The College's Policies and approach to Innovation in the built environment is an inspiration to the local industry. I am truly proud of the College for allowing this innovation solution to be designed and built.

Respectfully,

STANTEC CONSULTING LTD.

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