

School District No. 48 (Sea to Sky)

FACILITIES & SERVICES COMMITTEE

February 10, 2016

School Board Office

Squamish, BC

Time: 12:30 PM

MINUTES

16-02-10 FSC-O

The meeting was called to order at 12:32 pm.

Attendees:

Chris Vernon-Jarvis, Chair

Rick Hume, Director of Facilities & Services

Shehzad Somji, Secretary-Treasurer

Ian Currie, Assistant Director of Operations

Anne MacDougall, Administrative Assistant

Peter Jory, Director of Instruction: Technology & Innovation

1. AGENDA

Recommendation:

“THAT the agenda of this meeting be approved.”

MOVED/SECONDED:

CARRIED

2. MINUTES

No prior meeting minutes.

3. DISCUSSION ITEMS

A. Biomass Boiler Update

The Assistant Director of Operations, Ian Currie, reported that the boiler is on order and expected to arrive with the container this spring. Hook up will be done during the summer and into the fall. It will provide seventy to eight percent of the heat for both Squamish Elementary (SQE) and Howe Sound Secondary (HSS) schools, while existing boilers will remain connected and pick up the difference during peak times. The new boiler will reduce natural gas consumption by about eighty percent; there will still be some gas use at peak loads.

It is the equivalent of a hi-efficiency gas boiler, but produces less emissions. There is very little heat loss during transmission through the pipes, and there should be no smoke, smell and very little noise. Trustee Vernon-Jarvis asked why not order two boilers? These boilers are very expensive and the boiler ordered can handle the load of both schools. Life expectancy is 25 years, payback 80-90 years. They are designed to meet carbon neutrality.

The out building on the field will have heat and power, so might be possible to also include a kitchen, concession stand, small equipment storage and/or lockers. Students in the Carpentry program at HSS could potentially participate in its construction.

Funding includes boiler and engineering, but not building permits.

B. Continuous Optimization Program Updates

The project at HSS is about ninety-five percent complete. Funding incentives were provided by BC Hydro.

Don Ross has just completed an investigation report for upgrades. Eight measures have been identified, six are reasonable and are similar to what has been done at HSS. Pay back is between seven and eight years depending on how many of the measures are implemented and to what extent.

Pemberton Secondary is in the investigation phase at this time.

The students are engaged at all of the schools in this program and there is a competition slated for March between Whistler Secondary (WSS), PSS and HSS to see who can reduce the most energy consumption in a week. Students from these schools will also be taking a tour of WSS on February 15th, to see the equipment that has been installed.

C. Carbon Neutral Capital Program

The Don Ross Biomass boiler proposal is a \$700,000 project. The boilers are way past their service life. It was the number one priority on the submission to the Ministry.

Trustee Vernon-Jarvis asked what happens if a bio-mass boiler goes down in the winter when it's providing eighty percent of the heat? In all cases the old boilers will remain as back up, and were very good boilers in their day, so should be reliable. Fuel for the bio-mass will be coming from a factory in Princeton. There is also the potential that local providers might find incentive to provide fuel. Lillooet & Cowichan school districts both have bio-mass boilers. A truck load of pellets in the Lillooet district will last about 3 weeks.

Brackendale needs upgrading to hi-efficiency boilers, same for Spring Creek.

Once the Ministry issues the Echo report, the Board will have an idea regarding SD48's Capital Plan.

Mr. Hume will be working on the Facility Grant plan shortly, and the schools will want to know what will be done at their facilities in the coming year.

Trustee Vernon-Jarvis asked if we have a process on reporting things like electrical systems that are due to be replaced, due to the age of a building, and stated there should be a formalized written report if replacement is deferred, indicating that it has been inspected and found to be safe.

Trustee Vernon-Jarvis asked if the electrical and plumbing is closed off in our buildings, like in residential properties. Mr. Hume responded that many of our schools have crawl spaces where mechanical equipment and plumbing can be accessed to upgrade, add, and/or replace.

D. Site Tour of Mamquam Elementary School

4. ADJOURNMENT

Recommendation: **“THAT the meeting be adjourned.”**

MOVED/SECONDED

CARRIED

The meeting portion was adjourned at 1:00pm to facilitate the site tour of Mamquam Elementary School.

Committee Chair

Secretary-Treasurer