

Wednesday, May 19, 2021
Time: 6:00 p.m.

"The beautiful thing about learning is that no one can take it away from you" – B.B. King

A G E N D A

A. OPENING PROCEDURES

ITEM 1

1. Call to Order
2. Electronic Board Meeting Procedures
3. Correspondence
4. Approval of Agenda
5. Invitation for Public Input to matters on the Agenda - *Members of the public can provide input on decision items on the Agenda by emailing board@sd42.ca by no later than 5:30 pm on May 19, 2021. The email subject line should read: INPUT regarding Decision Item. All public input received will be shared with trustees electronically. This agenda item has a time limit of 10 minutes.*

B. APPROVAL OF MINUTES

1. May 5, 2021 ITEM 2

C. PRESENTATIONS - *Individuals and groups invited by the Board to make presentations. Time limits for individual presentations will be established to allow all speakers to present within the time limit for this item. This agenda item has a time limit of 20 minutes including questions; extension is at the discretion of the Board.*

1. Graduation Celebrations ITEM 3

D. DELEGATIONS - *Registered delegations can make presentations to the Board. Time limits for individual delegations will be established to allow all registered delegations to present within the time limit for this item. This agenda item has a time limit of 20 minutes including questions; extension is at the discretion of the Board.*

E. DEFERRED ITEMS

F. DECISION ITEMS

1. Chairperson
2. Superintendent of Schools
3. Secretary Treasurer
- a) Whonnock Elementary School Utility Right-of-Way Bylaw ITEM 4
4. Board Committees
 - a) Budget
 - b) Finance
 - c) Facilities Planning
 - d) Board Policy Development
 - i. Policy Updates ITEM 5
 - e) Education
 - f) Aboriginal Education

G. INFORMATION ITEMS

1. Chairperson
2. Superintendent of Schools
 - a) Superintendent's Update ITEM 6
 - b) Climate Change Accountability Report 2020 ITEM 7
3. Secretary Treasurer
 - a) Energy Management Plan Update ITEM 8
4. Board Committees & Advisory Committee Reports
 - a) Budget
 - b) Finance
 - c) Facilities Planning
 - d) Board Policy Development
 - e) Education
 - f) Aboriginal Education

H. TRUSTEE MOTIONS AND NOTICES OF MOTIONS

I. TRUSTEE REPORTS

1. BC School Trustees Association
2. Ridge Meadows Overdose Community Action Table (CAT) ITEM 9
3. Youth Planning Table ITEM 10
4. Good News Items

J. QUESTION PERIOD – *Question period will be restricted to questions only –statements and debate will not be permitted. Questions, with the exception of Trustee questions, will be limited to one question per person. Members of the public can submit questions for the board by emailing them to board@sd42.ca prior to the start of question period. The email subject line should read: QUESTION PERIOD. All questions received before the start of the question period will be answered in the order they are received. This agenda item has a time limit of 10 minutes; extension is at the discretion of the board.*

K. OTHER BUSINESS

1. Public Disclosure of Closed Meeting Business ITEM 11

L. ADJOURNMENT

To: **Board of Education**

From: Chairperson
Korleen Carreras

Re: **OPENING PROCEDURES**

Date: May 19, 2021
(Public Board Meeting)

Decision

1. *CALL TO ORDER*

We would like to acknowledge that this meeting is taking place on the shared traditional and unceded territories of Katzie First Nation and Kwantlen First Nation. We welcome and recognize all of our First Nations, Métis, and Inuit students and families in our schools and community. We welcome and recognize the many different cultures that are represented in our schools and community.

2. *ELECTRONIC BOARD MEETING PROCEDURES*

For purposes of determining a quorum, at the start of an electronic meeting or during an electronic meeting, the Chairperson shall count as present any trustees who are connected to the meeting by electronic means.

In the absence of pre-circulated material, the Board Chairperson and Officers of the Board as required, shall brief the meeting regarding the matter, or matters before it and shall read the resolution requiring Board consideration and voting.

Voting shall occur by each Trustee identifying themselves and indicating their vote either for or against the resolution.

3. *CORRESPONDENCE*

4. *APPROVAL OF AGENDA*

RECOMMENDATION:

THAT the Agenda be approved as circulated.

5. *INVITATION FOR PUBLIC INPUT TO MATTERS ON THE AGENDA - Members of the public can provide input on decision items on the Agenda by emailing board@sd42.ca by no later than 5:30 p.m. on May 19, 2021. The email subject line should read: INPUT regarding Decision Item. All public input received will be shared with trustees electronically. This agenda item has a time limit of 10 minutes.*



ITEM 2

To: **Board of Education**

From: Chairperson
Korleen Carreras

Re: **APPROVAL OF MINUTES**

Date: May 19, 2021
(Public Board Meeting)

Decision

RECOMMENDATION:

THAT the Minutes of the May 5, 2021 Public Board Meeting be approved as circulated.

Attachment



**PUBLIC MINUTES OF THE
BOARD OF EDUCATION MEETING
Wednesday, May 5, 2021, (6:00 PM)
VIA VIDEOCONFERENCE**

IN ATTENDANCE:

BOARD MEMBERS:

Chairperson – Korleen Carreras
Vice-Chairperson – Elaine Yamamoto
Trustee – Kim Dumore
Trustee – Mike Murray
Trustee – Pascale Shaw
Trustee – Colette Trudeau
Trustee – Kathleen Sullivan

STAFF:

Superintendent – Harry Dhillon
Secretary Treasurer – Flavia Coughlan
Deputy Superintendent – Shannon Derinzy
Executive Coordinator – Karen Yoxall

A. OPENING PROCEDURES

1. Call to Order

The meeting was called to order at 6:00 p.m.

The Chairperson welcomed and thanked everyone for attending. The Chairperson advised that this meeting is being broadcasted live through the SD42 YouTube channel and on the school district website.

The Chairperson acknowledged that this meeting is taking place on the shared traditional and unceded territories of Katzie First Nation and Kwantlen First Nation. The Chairperson welcomed and recognized all of our First Nations, Métis, and Inuit students and families in our schools and community. The Chairperson welcomed and recognized the many different cultures that are represented in our schools and community.

2. Electronic Board Meeting Procedures

3. Correspondence

Moved/Seconded

- J. Whiteside, Minister of Education
- T. Guerrero, Executive Director, Corporate Issues and Client Relations, Ministry of Health
- C. Cho, Chairperson, School District No. 39 (Vancouver School District)

THAT the Board receive all correspondence, for information.

CARRIED

4. Approval of Agenda

Moved/Seconded

THAT the Agenda be approved as circulated.

CARRIED

5. Invitation for Public Input to matters on the Agenda

The Chairperson advised that members of the public were able to provide input on decision items on the Agenda by emailing board@sd42.ca by no later than 5:30 pm on May 5, 2021.

No public input was received.

B. APPROVAL OF MINUTES

Moved/Seconded

THAT the Minutes of the April 14, 2021 Public Board Meeting be approved as circulated.

CARRIED

C. PRESENTATIONS

D. DELEGATIONS

1. New Westminster and District Labour Council

Moved/Seconded

Rysa Kronebusch, New Westminster and District Labour Council, recognized April 28th as the "Workers Day of Mourning" for workers who have been killed on the job and to recognize those who have suffered from workplace injury, accident or disease. Ms. Kronebusch presented on the impacts of the COVID-19 pandemic on health and safety for workers, their families and our communities.

THAT the Board receive for information the presentation by Rysa Kronebusch, New Westminster and District Labour Council.

CARRIED

E. DEFERRED ITEMS

F. DECISION ITEMS

1. Chairperson
2. Superintendent
3. Secretary Treasurer
4. Board Committees

- a) Budget

- i. Preliminary Budget 2021/22

Moved/Seconded

The Secretary Treasurer presented the Preliminary Budget 2021/22 and reported that the budget was based upon the Proposed Preliminary Budget 2021/22 and incorporates feedback received at the April 28, 2021 Budget Committee of the Whole meeting, feedback received from partner groups, managers, principals, vice-principals and the board and from an online budget survey.

The Secretary Treasurer reviewed the feedback received and highlighted the changes included in the Preliminary Budget 2021/22.

The Chairperson invited trustees to provide feedback on the Preliminary Budget 2021/22.

THAT the Board approve the allocation of \$1,676,914 from the Contingency Reserve for Local Capital to fund the capital spending for technology, equipment and vehicles.

AND FURTHER;

THAT the Board approve the appropriation of \$2,040,397 of 2020/21 operating surplus to assist with funding the 2021/22 operating budget.

AND FURTHER;

THAT the Board approve the transfer of \$32,500 from the operating fund to the Contingency Reserve for Childcare Capital to assist with funding the maintenance and upgrade of the MCFD funded childcare facilities;

AND FURTHER;

THAT the Board approve the appropriation of any additional 2020/21 available operating surplus to top-up the contingency reserve.

AND FURTHER;

That the Board approve the preliminary budget changes for 2021/22 as outlined in the Preliminary Budget 2021/22 for implementation.

CARRIED

- b) Finance
- c) Facilities Planning
- d) Board Policy Development
- e) Education
- f) Aboriginal Education

G. INFORMATION ITEMS

1. Chairperson
2. Superintendent

- a) Amendment to 2021/22 District School Calendar

Moved/Seconded

The Superintendent reported that an amendment to the 2021/22 District School Calendar is being proposed. The calendar meets the required minutes of instruction. It will be posted to the school district website for public input from May 7 to June 8, 2021.

THAT the Board of Education receive for information the attached amended district school calendar and approve that the calendar be shared with the public on the school district website from May 7 to June 8, 2021.

CARRIED

b) Superintendent's Update**Moved/Seconded**

The Superintendent provided an update on school events and activities and recognized the work of staff at Garibaldi Secondary School in the Middle Years International Baccalaureate Programme.

THAT the Board receive the Superintendent's Verbal Update, for information.

CARRIED

3. Secretary Treasurer
4. Board Committees

- a) Budget
- b) Finance

i. Financial Statements for the Quarter Ended March 31, 2021**Moved/Seconded**

The Secretary Treasurer reported that the Financial Statements for the Quarter Ended March 31, 2021 are presented to the Board for information at the recommendation of the Finance Committee of the Whole.

THAT the Board receive for information the financial statements for the quarter ended March 31, 2021.

CARRIED

- c) Facilities Planning
- d) Board Policy Development
- e) Education
- f) Aboriginal Education

H. TRUSTEE MOTIONS AND NOTICES OF MOTIONS**I. TRUSTEE REPORTS**BC School Trustees Association: 2021 Annual General Meeting – Disposition of Motions

Trustee Carreras reported on the disposition of motions at the recent Annual General Meeting.

Trustee Carreras thanked Trustee Murray for his work on the Board of Directors and Trustee Shaw for her work on the Professional Learning Committee in the planning of the Annual General Meeting. It was noted that Suzanne Hoffman is now the new CEO for the BC School Trustees Association.

District Parent Advisory Council

Trustee Yamamoto reported on the presentations and updates received at the April 15, 2021 meeting and noted that the meeting can be viewed on the SD42 DPAC YouTube channel.

Maple Ridge-Pitt Meadows Arts Council

Trustee Sullivan reported that the theme for the Arts Council 50th Anniversary is “Lift” and that the SD42 Secondary Show will run from April to June 2022. Trustee Sullivan noted that the scholarships adjudication panel has met and that 4 scholarships of \$1,875 will be awarded.

Youth Planning Table

Trustee Dumore reported that the uPlan sub-committee is creating a virtual art gallery with art submissions from the community and that the youth scavenger hunt has been extended until May 25, 2021.

Good News Items

Trustee Murray spoke to his attendance at a virtual Rotary Fundraiser; Trustee Trudeau spoke to her involvement with the 4 R's Youth Movement; Trustee Sullivan spoke to her attendance at the Strengthening Resilience virtual webinar organized by the Ridge Meadows Community Action Table; Trustee Shaw spoke to the work of school district staff during the pandemic and the rollout of the vaccine; Trustee Yamamoto expressed her interest in the upcoming May 12, 2021 Convention with keynote speakers Dr. Michael Ungar and Dr. Jody Carrington; Trustee Dumore spoke to the Strengthening Resilience webinar and to her attendance at the upcoming Communities Building Youth Futures National Gathering on May 6 – 7, 2021; Trustee Carreras spoke to her attendance at the Framework for Enhanced Student Learning sessions and recognized May 5, 2021 as Red Dress Day raising awareness for missing and murdered women and girls in Canada.

J. QUESTION PERIOD

Questions were posed on the following:

- Preliminary Budget 2021/22
- Public Consultation Process –Preliminary Budget 2021/22

K. OTHER BUSINESS**L. ADJOURNMENT****Moved/Seconded**

THAT the Board adjourn the meeting.

CARRIED

The Public Board meeting adjourned at 8:19 p.m.

Korleen Carreras, Chairperson

Flavia Coughlan, Secretary Treasurer



ITEM 3

To: **Board of Education**

From: Chairperson
Korleen Carreras

Re: **GRADUATION CELEBRATIONS**

Date: May 19, 2021
(Public Board Meeting)

Information

RECOMMENDATION:

THAT the Board receive for information the presentation by Shannon Derinzy, Deputy Superintendent and Ken Cober, Assistant Superintendent on Graduation Celebrations.



ITEM 4

To: **Board of Education**

From: Flavia Coughlan
Secretary Treasurer

Re: **WHONNOCK ELEMENTARY SCHOOL**
UTILITY RIGHT-OF-WAY BYLAW

Date: May 19, 2021
(Public Board Meeting)

Decision

WHONNOCK ELEMENTARY SCHOOL UTILITY RIGHT-OF-WAY BYLAW

WHEREAS section 65 (5) of the School Act provides that a board of education may exercise a power with respect to the acquisition or disposal of property owned or administered by the board only by bylaw;

AND WHEREAS pursuant to Section 96 (1) of the School Act, "land" includes any interest in land, including any right, title or estate in it of any tenure;

AND WHEREAS section 96 (3) of the School Act provides that a board of education may dispose of land or improvements, or both, subject to the orders of the British Columbia Minister of Education (the "Minister");

AND WHEREAS section 3 of the Disposal of Land or Improvements Order M193/08 (the "Disposal Order") provides that boards must not dispose of land or improvements by sale and transfer in fee simple or by way of lease or 10 years or more unless such disposal is to another board or an independent school for educational purposes or is approved by the Minister in accordance with section 5 of the Disposal Order;

AND WHEREAS The Board of Education of School District No. 42 (Maple Ridge – Pitt Meadows) (the "Board") is the registered owner of the land and improvements located at 27471 112th Avenue A, Maple Ridge, B.C. (the "Property"), legally described as:

PID: 024-207-900

Lot 1, Plan LMP28768, Section 17 Township 15, Group 1, New Westminster Land District

AND WHEREAS the Board is installing a power generator on the Property and British Columbia Hydro and Power Authority ("BC Hydro") requires the Board to grant BC Hydro a statutory right-of-way (the "Right-of-Way") to construct, operate and maintain certain works (the "Utility Works") to provide utility services to the Property, located approximately as shown on the attached drawing. (Attachment A);

AND WHEREAS the Board has determined, in accordance with the Board's Policy 6810 Disposal of Land or Improvements, that the construction of the Works and the granting of the Right-of-Way would benefit the Board and not compromise the Board's use of the Property for educational purposes of the Board;

NOW THEREFORE be it resolved that the Board hereby authorizes the granting of the Right-of-Way, and the Secretary Treasurer be and is hereby directed and authorized to execute and

deliver the Right-of-Way on behalf of the Board, in such form as the Secretary Treasurer may approve as evidenced by her signature.

This bylaw may be cited as "School District No. 42 (Maple Ridge – Pitt Meadows) Whonnock Elementary School Utility Right-of-Way Bylaw, 2021."

RECOMMENDATIONS

1. THAT the Whonnock Elementary School Utility Right-of-Way Bylaw, 2021 be given three (3) readings at this meeting. (vote must be unanimous)

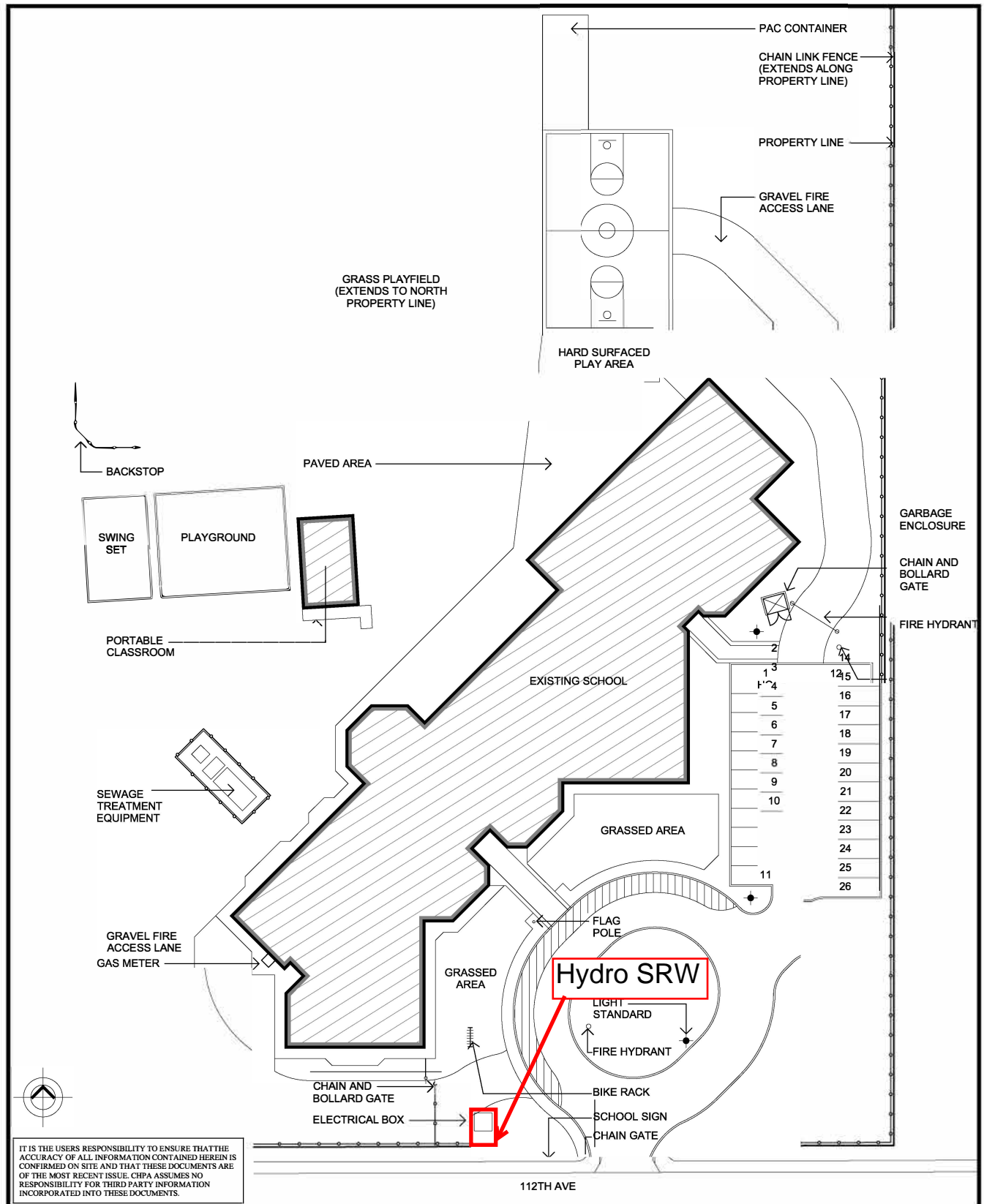
2. THAT the Whonnock Elementary School Utility Right-of-Way Bylaw, 2021 be:

Read a first time on the 19th day of May, 2021;

Read a second time on the 19th day of May, 2021;

Read a third time and final time, passed and adopted this 19th day of May, 2021.

Attachment



CRAVEN/HUSTON/POWERS ARCHITECTS

ARCHITECTURE AND LANDSCAPE ARCHITECTURE

**WHONNOCK
ELEMENTARY SCHOOL**
27471 112 AVE
MAPLE RIDGE, BC

DRAWING NAME:

SITE PLAN

PROJECT NUMBER:

DATE:
02/2013

SCALE:



**ITEM 5**

To: **Board of Education**

From: Board Policy Development Committee

Re: **POLICY UPDATES**

Date: May 19, 2021
(Public Board Meeting)

Decision**BACKGROUND/RATIONALE:**

The Board Policy Development Committee (the "Committee") has followed the appropriate consultation requirements as outlined within Policy 2500. No public input was received. The Committee is recommending that the Board approve the following policies and procedure:

- Policy 2920: Trustees' Remuneration (Attachment A)
- Procedure 2920.1: Trustees' Remuneration (Attachment B)
- Policy 10820: Political Activities (Attachment C)

RECOMMENDATION:

THAT the Board approve the following policies and procedure:

- **Policy 2920: Trustees' Remuneration**
- **Procedure 2920.1: Trustees' Remuneration**
- **Policy 10820: Political Activities**

Attachments

**SD 42 POLICY: 2920****TRUSTEES' REMUNERATION**

Trustees elected to serve on the Board of Education ("Board") are to be compensated for their work related to the business of the Board. The Board believes the size and complexity of the School District can reasonably be compared to other school districts in the Lower Mainland and as such, annual remuneration for Trustees should be similar to the remuneration paid to Trustees in other comparable districts.

The *School Act* stipulates that a Board may authorize annually the payment of remuneration to the Chairperson, Vice-Chairperson and other Trustees; and authorize annually the payment of a reasonable allowance for expenses necessarily incurred by Trustees in the discharge of their duties.

Trustee remuneration may be adjusted for a cost of living adjustment on July 1st each year, based on the Metro Vancouver Consumer Price Index (CPI) differential comparing annual average indexes of the previous two years. The cost of living adjustment will be rounded to the nearest \$100.

In recognition of the added responsibilities of the Chairperson and Vice-chairperson, the remuneration paid to the Chairperson and Vice-Chairperson will be set at respectively higher rates than the base rate.

APPROVED: January 29, 2014

REVISED: April 2021

**SD 42 PROCEDURE: 2920.1****TRUSTEES' REMUNERATION****1. TRUSTEE REMUNERATION REVIEW**

Trustee remuneration shall be reviewed in the year prior to the general elections to ensure comparability with similar school districts.

The Board of Education in determining the comparability of trustee remuneration shall be guided by the remuneration received by the average Trustee, Chairperson and Vice-Chairperson, in the following School Districts:

- School District No. 34 (Abbotsford)
- School District No. 35 (Langley)
- School District No. 37 (Delta)
- School District No. 38 (Richmond)
- School District No. 41 (Burnaby)
- School District No. 43 (Coquitlam)
- School District No. 44 (North Vancouver)

Trustee remuneration may be adjusted for a cost of living adjustment on July 1st each year. The adjustment shall be based on the Metro Vancouver Consumer Price Index (CPI) differential comparing annual average indexes of the previous two years. The cost of living adjustment will be rounded to the nearest \$100.

Through this process trustee remuneration including cost of living adjustments shall be established for the upcoming term.

2. CHAIRPERSON AND VICE-CHAIRPERSON FINANCIAL RECOGNITION

In recognition of the added responsibilities of their respective roles the remuneration paid to the Chairperson is set at \$3,000 per annum above the base rate and for the Vice-Chairperson is set at \$1,500 per annum above the base rate.

3. PAYMENT

Trustees' remuneration will be paid on a bi-weekly basis and will be deposited directly into an account of a financial institution of their choice.

REVIEWED: APRIL 2021

**SD 42 POLICY: 10820****POLITICAL ACTIVITIES**

Philosophy

The Board believes that schools are a place for students to learn about civics and our democratic system of government to help them become engaged responsible citizens.

The Board believes that school district facilities shall not be used for partisan political activities.

Authority

The Board authorizes the Superintendent and the Secretary Treasurer to develop and implement all procedures required for implementation of this policy.

Definitions

Political activity means:

- carrying on any activity in support of, within or in opposition to a political party; or
- carrying on any activity in support of or in opposition to a candidate before or during an election period.

Guiding Principles

- All school district employees must not conduct political activity in the workplace or use school district facilities, equipment or supplies for political activity.
- Political campaign signs and materials shall not be placed on school district property or distributed to staff, students, volunteers and parents in school district facilities or on school grounds.
- During election periods, school district facilities may be rented for all candidates meetings.
- School district facilities may be rented by political parties.
- Elected officials may be invited to participate in school events organized with the purpose of students learning about civics and our democratic system of government.

APPROVED: February 13, 2013

REVISED: April 2021



ITEM 6

To: **Board of Education**

From: Superintendent
Harry Dhillon

Re: **SUPERINTENDENT'S UPDATE**

Date: May 19, 2021
(Public Board Meeting)

Information

RECOMMENDATION:

THAT the Board receive the Superintendent's Verbal Update, for information.



ITEM 7

To: **Board of Education**

From: Superintendent
Harry Dhillon
Secretary Treasurer
Flavia Coughlan

Re: **CLIMATE CHANGE ACCOUNTABILITY
REPORT 2020**

Date: May 19, 2021
(Public Board Meeting)

Information

BACKGROUND/RATIONALE:

The Climate Change Accountability Report 2020 will be submitted to the Climate Action Secretariat.

RECOMMENDATION:

THAT the Board receive the Superintendent and Secretary Treasurer's Climate Change Accountability Report 2020.

Attachment



2020 PUBLIC SECTOR ORGANIZATION CLIMATE CHANGE ACCOUNTABILITY REPORT

MAPLE RIDGE - PITT MEADOWS SCHOOL DISTRICT NO.42

EXECUTIVE SUMMARY



This Climate Change Accountability Report for the period January 1, 2020 to December 31, 2020 summarizes our emissions profile, the total offsets to reach net-zero emissions, the actions we have taken in 2020 to reduce our greenhouse gas emissions, and our plans to continue reducing emissions in 2021 and beyond. By June 30, 2021, the final 2020 Climate Change Accountability Report for Maple Ridge - Pitt Meadows School District No. 42 will be posted to the district website at www.sd42.ca/sustainability.

On March 25, 2015, the Maple Ridge - Pitt Meadows Board of Education approved the *Energy Management Plan*. This plan includes the implementation of lighting as well as heating, ventilation, and air-conditioning (HVAC) upgrade opportunities in all 34 school district facilities. The plan will reduce greenhouse gas emissions by 758 tonnes of CO₂.

This plan serves as a framework for achieving improvements in energy performance. The document outlines projects, supportive administrative regulations, and behavioural-change initiatives through outreach and education that will guide the district in its long-term effort to reduce costs and save energy.

Harry Dhillon, Superintendent of Schools
May 14, 2021



2020 GREENHOUSE GAS EMISSIONS

Using data from utilities and district systems, the total emissions for the district are reported here for the 2020 calendar year. These emissions are a summary of all emissions related to building use, maintenance fleet, and paper usage.

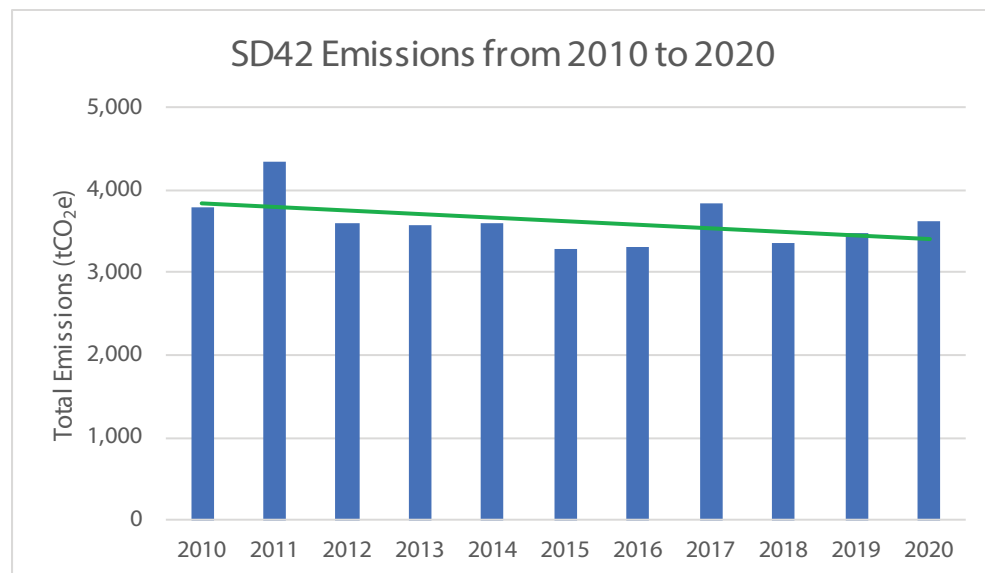
SCHOOL DISTRICT NO. 42 GHG EMISSIONS AND OFFSETS FOR 2020 (tCO ₂ e)	
TOTAL EMISSIONS	3,612
TOTAL BIOCO ₂	5.02
TOTAL OFFSETS	3,617
Offset Investment (\$25 per tCO ₂ e)	
TOTAL	\$90,425

RETIREMENT OF OFFSETS:

In accordance with the requirements of the Climate Change Accountability Act and Carbon Neutral Government Regulation, Maple Ridge - Pitt Meadows School District No. 42 ("the Organization") is responsible for arranging for the retirement of the offsets obligation reported above for the 2020 calendar year, together with any adjustments reported for past calendar years (if applicable). The Organization hereby agrees that, in exchange for the Ministry of Environment and Climate Change Strategy ("the Ministry") ensuring that these offsets are retired on the Organization's behalf, the Organization will pay within 30 days, the associated invoice to be issued by the Ministry in an amount equal to \$25 per tonne of offsets retired on its behalf plus GST.

EMISSIONS TRENDS

Since 2010, the Maple Ridge - Pitt Meadows School District has seen a 4% reduction in overall emissions.





PROJECT HIGHLIGHTS

BOILER UPGRADES

Four elementary schools received major boiler upgrades this year, replacing older boilers running at 70-75% efficiency with high-efficiency condensing boilers that operate at 95% efficiency. These projects saved an estimated 722 GJ of natural gas and translated to a total of 36 tons of CO₂e per year of avoided emissions. In the spirit of continual optimization, a pilot program was also tested at Pitt Meadows Elementary to analyze and improve the surrounding boiler equipment and control systems and maximize the potential system savings. Measurement and verification is on-going so that the district can understand the value of this kind of optimization for future implementations.



HEATING SYSTEM ADDITIVE TRIALS

The school district took the initiative to implement a new type of boiler system additive in three separate elementary schools. This additive is designed to improve building heating efficiency by 15%. The trials are on-going but are expected to save 515 GJ of natural gas per year - a reduction of 25 tons CO₂e per year. If the trials are successful, the school district will have the opportunity to explore how small changes can help move us closer to its 2030 emission targets.



SAMUEL ROBERTSON ELECTRIFICATION

On the Samuel Robertson Technical Secondary school site there are 12 portables heated entirely by propane. This leads to nearly 25 tons of CO₂e emissions per year, and requires the storage and refilling of large on-site propane tanks. With help from the federal government, the district embarked on an improvement project to remove the propane furnaces and replace them with high efficiency heat pumps. These heat pumps, which run on electricity, will ultimately reduce district emissions by 24 tons of CO₂e per year and remove the need for the storage of large propane tanks. The upgrade will not only eliminate the need to store large propane tanks on the school site, but will improve the efficiency of heating and cooling operations during warmer summer months, resulting in more comfortable learning environments for students and staff.

SUSTAINABILITY HIGHLIGHTS

APRIL 2021

ENERGY CUP CONTINUES

The sixth annual Energy Cup went ahead this year in a slightly modified manner. The challenges were split into four weeks, each with their own theme, including energy, emissions, waste, and sharing sustainability stories. Seven schools signed up to take on the challenge this year, each trying their hand at winning the weekly cash prize, and ultimately the Energy Cup. The challenge saw a 10% reduction in electricity consumption in week one, 40 tCo2e emissions avoided in week two, 7,000 fewer pieces of garbage brought to school in week three, and more than 100 stories were shared on social media in week four.

APRIL 8, 2021

SECONDARY SUSTAINABILITY FORUM

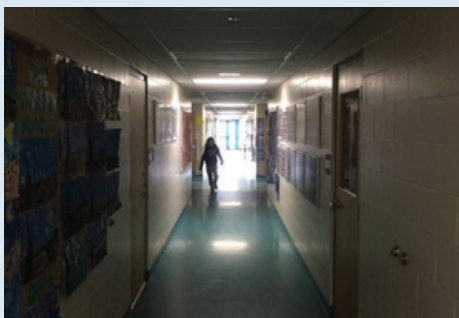
The first year of the secondary sustainability forum was launched in April to better engage with our youth leaders. The forum is designed to create a district wide network of sustainability champions by connecting eco teams from across the district to discuss what they're doing in their own schools. The forum was also an opportunity to have speakers present and discuss with youth leaders about how to make sustainable changes in the community, connect them to other organizations that might help their efforts, and get inspired by some of the work happening in the British Columbia sustainability network.

NOVEMBER 4, 2020

SD42 INSTALLS ELECTRIC VEHICLE (EV) CHARGING STATIONS

The first electric vehicle chargers in the Maple Ridge - Pitt Meadows School District were installed at c̓əsq̓ənelə Elementary, and were open to the public in November 2020. These chargers support the transition to an emission free transportation system.

In the last year, British Columbia has been home to the highest adoption rate of electric vehicles per capita in Canada and the district is proud to be part of this transition.





DISTRICT OPENS INNOVATIVE NEW ELEMENTARY SCHOOL

The Maple Ridge Pitt-Meadows School District and the Ministry of Education are committed to a more sustainable future. When a new school was built for the 2019 school year, the reduction of emissions was at the forefront of the mechanical system design. The design incorporated not only high efficiency condensing boilers, but also a state of the art heat pump system that allows for the simultaneous heating and cooling of the building and optimizes energy usage. In certain operating conditions, this equipment can achieve a Coefficient of Performance of 14, which means that for every 1 input of electricity, the building receives 14 inputs of heating and/or cooling energy.

This innovative design, along with improved envelope performance and airtight construction methods, makes Cēsqañelə Elementary the most efficient building in the district. The building emits just $0.01 \text{ tCO}_2\text{e/m}^2$, which is half the district average.

Other innovative technologies installed include a 10kW solar array, cooling beams in classrooms, and electric vehicle charging stations in the parking lot.



PLANS TO CONTINUE REDUCING GREENHOUSE GAS EMISSIONS IN 2021

- Implement a Long-Term Sustainability Plan that sets strategic and achievable emission-reduction targets aligned with CleanBC targets for the public sector.
- Continuously improve and review our operational policies in an effort to reduce utility consumption.
- Focus on end of life equipment replacement with full system boiler upgrades to maximize the reduction of natural gas usage in our facilities.
- Heating, ventilation and air-conditioning (HVAC) upgrade opportunities in school district facilities: direct digital control (DDC) upgrades, scheduling and security integration, occupancy sensor controls, heating plant optimization, and supply air pressure (SAP) reset.
- Proactively deliver regular energy intensity reports to departmental personnel for use in raising general awareness and examining variances from established targets. Prepare energy conservation initiatives to ensure students and staff have an active role in reducing our energy consumption.
- Improve communication of the energy conservation initiative to the broader organization to raise energy awareness.
- Continue meeting with and expanding the staff at the Environmental Sustainability Committee.



**2020 PSO CLIMATE CHANGE
ACCOUNTABILITY REPORT**

22225 BROWN AVENUE
MAPLE RIDGE, BC
V2X 8N6

To: **Board of Education**

From: Flavia Coughlan
Secretary Treasurer
Derek Oppedisano
Manager, Energy and
Environmental Sustainability

Re: **ENERGY MANAGEMENT PLAN UPDATE**

Date: May 19, 2021
(Public Board Meeting)

Information

BACKGROUND:

At the March 25, 2015 Public Board Meeting, the Board approved the Energy Management Plan. The Plan was created based on the high-level energy assessments for all 34 school district facilities produced by Quantum Lighting Inc. and SES Consulting. The implementation of all lighting and heating, ventilation and air-conditioning (HVAC) upgrade opportunities identified in the plan was estimated to result in energy savings of 4.44 million kWh and 12,800 GJ and annual electricity cost savings of \$0.50 million. In addition to these capital projects, the Energy Management Plan also outlines behavior change projects that will help the school district achieve further energy savings and create a culture of environmental sustainability.

As we come to the end of the five-year Energy Management Plan, the school district has completed 46 lighting and HVAC optimization upgrades at various locations that translate into *estimated* ongoing electrical savings valued at \$0.50 million. Since the Energy Management Plan has been approved in 2015, we have also completed several mechanical upgrades under the School Enhancement Program, former Minor Capital, that are not covered under the Plan which are resulting in additional cost savings for the school district.

PROJECT OVERVIEW:

2014/15 Projects

2014/15 projects included Thomas Haney lighting, heating, ventilation and cooling and Webster's Corner Elementary lighting upgrades. The total actual implementation cost for these projects was **\$0.70 million** and actual ongoing utilities savings are **\$0.12 million**. Additional benefits include improved lighting levels and more consistent lighting. To support these projects, the school district has received **\$0.16 million** from BC Hydro in incentive funding to recognize the energy savings achieved.

In March 2015, the school district, in partnership with BC Hydro Schools Program hosted an Energy Ambassadors workshop for Thomas Haney teachers and students. Students who participated in the workshop prepared and presented recommendations for energy conservation to the Board of Education on May 13, 2015. These recommendations have been implemented in the school district.

2015/16 Projects

Several behavior change projects were undertaken in 2015/16. On September 22, 2015 all school district custodial staff attended one of two training workshops on the newly approved four-year Energy Management Plan. In October 2015, the school district organized the first annual month-long Energy Challenge, initiative aimed at raising awareness about energy conservation in schools by decreasing electricity and natural gas consumption. The winning school was Harry Hooge Elementary. In the fall of 2015, Senior Team approved the creation of the Environmental Sustainability Committee that will investigate, promote, advise, recommend and assist in the implementation of measures that will improve the learning environment of students and working environment of staff through the integration of the principles of environmental sustainability into all school district functions and operations. Lastly, in January 2016, the school district, in partnership with BC Hydro Schools Program hosted a second Energy Ambassadors workshop for Samuel Robertson Technical, Maple Ridge Secondary and Thomas Haney teachers and students.

In 2015/16 lighting upgrades have been completed at Samuel Robertson Technical, Harry Hooge Elementary, Yennadon Elementary, Glenwood Elementary, District Education Office and Maple Ridge Annex. One HVAC upgrade at Samuel Robertson Technical was also completed. The total actual implementation cost for these projects was **\$1.00 million** and actual ongoing utilities savings are **\$0.08 million**. To support these projects, BC Hydro has issued an incentive agreement in the amount of **\$0.16 million** to recognize the energy savings achieved.

2016/17 Projects

In 2016/17 HVAC upgrades have been completed at Highland Park Elementary, Garibaldi Secondary, Westview Secondary, Yennadon Elementary, Glenwood Elementary, Maple Ridge Secondary, District Education Office, Pitt Meadows Secondary and Eric Langton Elementary. In addition to HVAC upgrades, the school district has completed lighting upgrades at Pitt Meadows Secondary and Maple Ridge Secondary, as well as two small lighting upgrades in the gyms of Albion Elementary and Alexander Robinson Elementary due to end of life of the fixtures. The total actual implementation cost for these projects was **\$1.55 million** and the actual ongoing utilities savings are **\$0.09 million**. To support these projects, BC Hydro has issued incentive agreements in the amount of **\$0.1 million** to recognize the energy savings achieved.

Several Science teachers at Garibaldi Secondary and the district Librarian, alongside the energy manager created a pilot Sustainability Unit plan for Science 9 students. The unit plan aligns with the new curriculum core competencies and big ideas. The unit plan content explores the sustainability of systems and First Peoples' knowledge of interconnectedness and sustainability by providing students and teachers with online and paper resources on this topic as well as an in-person presentation by the energy manager.

The second annual Energy Challenge was held in February and the winning school, Alexander Robinson Elementary, designed and implemented activities to reduce electricity consumption for the entire month and explored a broader narrative of how this challenge can be integrated into the school culture and community. There were 11 participating schools. To kick off the challenge, Alexander Robinson Elementary students watched a live "pedal power" demo featuring a Pedal-A-Watt bicycle built by Connex students. The students got a chance to hop on the bike and start pedaling, which created enough electricity to illuminate a light bulb.

Lastly, to foster industry school partnerships, our consultants, Quantum Lighting made a presentation to the Electrician Level I Apprenticeship students on the newest LED lighting technology and demonstrated this technology.

2017/18 Projects

In 2017/18 heating, ventilation and cooling (HVAC) upgrades and lighting upgrades were completed at Edith McDermott Elementary, Laity View Elementary and Pitt Meadows Elementary. Additionally, lighting upgrades were completed at Albion Elementary, Alouette Elementary, Davie Jones Elementary, Eric Langton Elementary and Maple Ridge Elementary. The total actual implementation cost for these projects was **\$1.22 million** and the ongoing utilities savings are **\$0.08 million**. To support these projects and to recognize the energy savings achieved, BC Hydro has issued incentive agreements in the amount of **\$0.12 million**.

The first annual Holiday Unplug campaign was held district-wide before winter break. Over 100 teachers, students and staff participated; and approximately 600 appliances and electronics were unplugged over the two weeks that schools were closed. This campaign was built specifically to target an increasing plug load at the district's schools. Plug load is added energy consumption due to items remaining plugged in to outlets, even when not in use.

The third annual Energy Challenge yielded energy savings of 11,100 kWh of electricity and 117 GJ of natural gas, enough to power 3.5 homes for one year. This February, 7 schools participated with the goal to complete the most energy-saving activities and raise awareness through social media and student outreach. In all, 117 energy activities were carried out district-wide, with creative examples such as Tupperware Tuesday, Free the Plug Friday and Waste Stream Audits. Kanaka Creek Elementary won the competition this year, with a GreenTeam of over 20 participants.

The Environmental Sustainability Committee (ESC) met for the first time in October of 2017. The ESC meets monthly and has set a work plan to connect environmental initiatives across the district. This year, the Committee aided in the marketing of the Holiday Unplug campaign and Energy Challenge, as well as provided valuable feedback and guidance on the new Waste Collection Program.

2018/19 Projects

2018/19 projects included lighting upgrades at the following schools: Garibaldi Secondary, Blue Mountain Elementary, Whonnock Elementary and Fairview Elementary. The total actual implementation cost for these projects was **\$0.8 million** and the *estimated* ongoing utilities savings are **\$0.05 million**. Additional benefits include improved lighting levels and more consistent lighting. To support these projects and to recognize the energy savings achieved, BC Hydro has issued incentive agreements in the amount of **\$0.06 million**.

Working with BC Hydro and energy modeling consultants, we have applied for the BC Hydro New Construction Incentive Program for Caspenele Elementary. Energy efficient features for the new school include: increased roof and wall insulation, high performance windows, reduced lighting power density, lighting controls, demand controlled ventilation in the gym, condensing boilers, variable speed pump and reduced domestic hot water energy.

The second annual Holiday Shutdown campaign was held district-wide before winter break. Before staff at Glenwood Elementary left for winter break, they made sure to switch off lights, unplug appliances and turn down the heat. In total, they turned off or shut down 285 items, which earned the school energy savings over the holidays and it also made the school the winner of the Holiday Shutdown.

Elementary and secondary Student Voice leaders from across the Maple Ridge – Pitt Meadows School District attended an event hosted at Westview Secondary that included a keynote presentation by Maureen Jack-LaCroix of Be the Change Earth Alliance. Be the Change supports global sustainability through education that empowers behaviour change. Afterward, a trio of leadership students from the Delta School District shared an inspiring presentation on some of the sustainability initiatives at their district. Students were encouraged to take action at school and at home by taking a 'green' pledge, signing their school up for the Energy Challenge or starting a Green Team at their school.

During the month of February, students and staff participated in the fourth annual Energy Challenge. 10 schools participated in the challenge and completed over 424 energy-saving activities. This year's highlights included sustainability pledge trees, art projects using upcycled materials, recycled clothing drives, social media contests, energy tip videos, garden reclamation projects, lights out lunches, and much more. The student-led initiatives resulted in energy savings of 43,624 kWh of electricity and 169 GJ of natural gas – enough to power five residential homes for an entire year. This year's Energy Champion is Alexander Robinson Elementary.

2019/20 Projects

2019/20 projects included lighting upgrades at the following schools: Westview Secondary, Kanaka Creek Elementary, Arthur Peake Centre, Highland Park Elementary, Golden Ears Elementary and three projects are underway at Hammond Elementary, Alexander Robinson Elementary and Maintenance Office. The total actual implementation cost for these projects is **\$1.0 million** and the *estimated* ongoing utilities savings are **\$0.08 million**. Additional benefits include the ability for teaching staff to dim their classroom lights, overall improved lighting levels and more consistent lighting. To support these projects and to recognize the energy savings achieved, BC Hydro has issued incentive agreements in the amount of **\$0.09 million**. BC Hydro has also issued an incentive agreement in the amount of **\$0.06 million** under the BC Hydro New Construction Incentive Program for C̓əsq̓ənəl̓ Elementary.

During the month of February, we have organized two parallel behavior change initiatives aimed at reducing the school district's carbon footprint. The first ever Lights Out Challenge in the District Education Office, as well as the fifth annual Energy Challenge. To support the work of the students as they partake in the Energy Challenge, we invited DEO staff to turn off their office lights when and if it made sense. This campaign resulted in a 2% electricity reduction during the month of February 2020, when compared to February 2019.

10 schools participated in the fifth annual Energy Challenge. This year's highlights included sustainability daily tips, food waste robotic dispensers, lights out lunches, hats and scarfs drive (connecting kindness initiatives with environmental initiatives), garbage pick-ups, recycled materials art and much more. This year's Energy Challenge winner was Hammond Elementary.

The first ever Secondary Students Green Team meetup was in March. With the guidance of the Environmental Sustainability Committee, we organized a one-hour event where SD42 secondary school green team members connected by sharing their initiatives and hearing from sustainability leaders in the school community and the Maple Ridge – Pitt Meadows community about upcoming events where students can volunteer.

2020/21 Projects

2020/21 projects included a higher degree of focus on energy savings that lead to emission reductions alongside operational savings. Projects include:

- Full building optimization done in tandem with the boiler upgrade at Pitt Meadows Elementary
- Use of natural gas additives to improve efficiency at Highland Park, Golden Ears, and Albion
- Implementation of two electric vehicle chargers at C̓əsq̓ənəl̓ Elementary

Total implementation cost for these projects is **\$0.05 million** with an *estimated* on-going annual savings of **\$0.01 million**. Projects funded outside of the Energy Management Plan include 4 boiler upgrades under the Carbon Neutral Capital Program, a large fuel switching project (from propane to electricity) for the portables at Samuel Robertson Technical school, and finally an upgrade from pneumatic building controls to digital systems is underway at 4 elementary schools. These projects represent further on-going annual savings *estimated* at **\$0.03 million**.

There are added benefits in these projects in the form of an annual emissions reduction of 110 tCO₂e (3.3%) and, in the case of the SRT portables, improved building comfort through optimized fresh air supply, and the addition of cooling.

During the month of April 2021, two events were organized aimed at increasing awareness and understanding around how students can contribute to reducing our impact on the environment: the 6th annual energy cup challenge and a Secondary Sustainability Forum.

Six schools participated in the 6th annual Energy Cup Challenge. The month-long challenge was split into 4 separate weekly challenges: Energy reduction, Emission reduction, Waste reduction and Share your story. Energy savings of 9% were recorded for all schools participating and emissions estimated at 40 tCO₂e were avoided, 7,000 pieces of single use garbage were not brought to school, and over 100 stories were shared on social media. The winner of this year's energy cup challenge was Alexander Robinson Elementary.

The Secondary Sustainability Forum was held on April 8th, 2021. This was a two-hour event hosted by the Be the Change Earth Alliance organization and brought local student leaders to the event to discuss how to get create sustainable change within their communities. Students were able to connect to local BC youth climate action leaders and also meet their fellow Maple Ridge Pitt-Meadows district Eco teams to connect over their passion to create positive change for the environment.

Energy Management Plan Update

By the end of year six of the Energy Management Plan, the school district completed 48 energy upgrades at various locations that translate into *estimated* ongoing electrical savings valued at \$0.54 million which exceeds the Energy Management Plan annual electricity savings target of \$0.50 million.

During 2020/21, the school district's COVID-19 response plan required the implementation of operational changes to the HVAC systems to increase fresh air supply and prolong occupied ventilation schedules in order to curb the spread of COVID-19 indoors. These changes resulted in increased energy consumption in the school district.

For 2021/22 there will be approximately **\$0.61 million** remaining in the energy management plan budget. These funds will be allocated to support Riverside lighting upgrade to LED, Garibaldi Secondary School boiler upgrade optimizations, and continuous optimization programs at Thomas Haney and Samuel Robertson Secondary schools, and other projects identified through the updated school district sustainability plan.

Energy Management Plan Financial Summary	
Energy Management Plan Projects Cost	
2014/15 – 2019/20 Projects	6.34 M
2020/21 Projects	0.05 M
2021/22 Projects	0.61 M
Revised Estimated Total Cost	\$ 7.00 M
Energy Management Funding	
Annual Facilities Grant	2.28 M
Carbon Neutral Capital Program (Ministry of Education)	0.46 M
Bylaw Capital (Ministry of Education)	1.40 M
School Enhancement Program (Ministry of Education)	0.30 M
Local Capital Reserve	1.60 M
BC Hydro Incentives (Received)	0.76 M
BC Hydro Incentives (To be received)	0.11 M
Fortis Incentives	0.09 M
Total Funding to Date	\$ 7.00 M

RECOMMENDATION:

THAT the Board receive the Energy Management Plan update, for information.

To: **Board of Education**

From: Trustee
Kathleen Sullivan

Re: **RIDGE MEADOWS OVERDOSE
COMMUNITY ACTION TABLE (CAT)**

Date: May 19, 2021
(Public Board Meeting)

Information

Date of meeting: May 14, 2021

Standing Updates:

1. Local Data/Information:
 - Recent alert put out a couple of weeks ago about the increase of overdoses across Fraser Health. Not targeted at any one drug supply – generalized alert.
 - Just a reminder that service providers, organizations should continue to have the important discussions around Good Samaritan/Lifeguard Act, Naloxone training, etc.
2. MRSOS update: Late night harm reduction happening, Monday night dinners at the CEED Centre hoping to start up again next week.

Presentations:

1. Jessica Braimoh presented findings on her paper, *Research on Experiences of Homelessness in Maple Ridge*. In 2019, Jessica Braimoh was one of the researchers who conducted a project that was funded by the BC Ministry of Public Safety to take a look at the perceptions and misperceptions of homelessness, substance abuse, public safety, and crime in Maple Ridge with the intent of providing information on how to best combat the misperceptions. Interviewed police and bylaw officers, service providers, business owners, community members and people with lived experience.
2. Justine Mathieu and Donna Ludford from the Provincial Overdose Mobile Response Team presented on the topic of Creating and Maintaining Healthy Boundaries.

Projects Updates:

1. Shared some of the Reels projects, created by youth in our community.
2. Community Outreach – Friday night dinners continuing – lots of assistance, monetary donation from patrons from the Community Church.
3. Strengthening Resilience webinar – shared graphic of the presentation with the team.

4. Guy Felicella – next meeting will speak to CAT regarding recovery and harm reduction advocacy.

Roundtable Highlights:

1. Roundtable self-evaluation of ability to set healthy boundaries.
2. Hospital has seen an increase in the number of overdoses from Benzos in the past few weeks. The hospital management continues to work towards strengthening the connections with community partners and is committed to working together to breakdown stigma around people with substance abuse and mental health concerns.

Date of next meeting: June 11, 2021

**ITEM 10**

To: **Board of Education**

From: Trustee
Kim Dumore

Re: **YOUTH PLANNING TABLE**

Date: May 19, 2021
(Public Board Meeting)

Information

Youth Planning Table Subcommittee uPLAN

Date of meeting: May 12, 2021

Items discussed:

- Scavenger Hunt has been extended until May 25, 2021 - the youth are encouraging people to play outside. To take part in the hunt visit www.uplanrm.ca
- Youth Week Art Gallery was very successful with over 50 submissions. The top three were selected based on viewers votes. The gallery is still available for viewing at www.uplanrm.ca
- Grad 2021 planning is currently underway and will be taking place in the downtown core on 224th street for two weeks in June. More details to come.
- uPlan Bursary was awarded to Colin Templeton from Maple Ridge Secondary School for his work with the Alouette River Society.

Date of next meeting: May 26, 2021

**ITEM 11****RECORD**

Pursuant to provisions of 72 (1) of the *School Act*, the following report is a general statement of: (a) matters discussed; and (b) the general nature of decisions resolved at the following meetings from which persons other than Trustees or officers of the Board, or both were excluded:

April 14, 2021

Call to Order	Meeting called to order at 1:05 p.m.
Motion of Exclusion	Approved
Correspondence	Received
Approval of Agenda	Approved as circulated
Approval of Minutes	Approved as circulated
Superintendent Information Items	Received
Secretary Treasurer Information Item	Received
Board Committees	Received
Adjournment	Meeting adjourned at 3:18 p.m.