

CORPORATE SERVICES, STRATEGIC PLANNING AND PROPERTY COMMITTEE REGULAR MEETING Public Session

AGENDA October 10, 2019

Nancy Crawford, Chair
Trustee Ward 12

Norman Di Pasquale, Vice Chair
Trustee Ward 9

Frank D'Amico
Trustee Ward 6

Markus de Domenico
Trustee Ward 2

Michael Del Grande
Trustee Ward 7

Daniel Di Giorgio
Trustee Ward 10

Taylor Dallin
Student Trustee

Angela Kennedy
Trustee Ward 11

Ida Li Preti
Trustee Ward 3

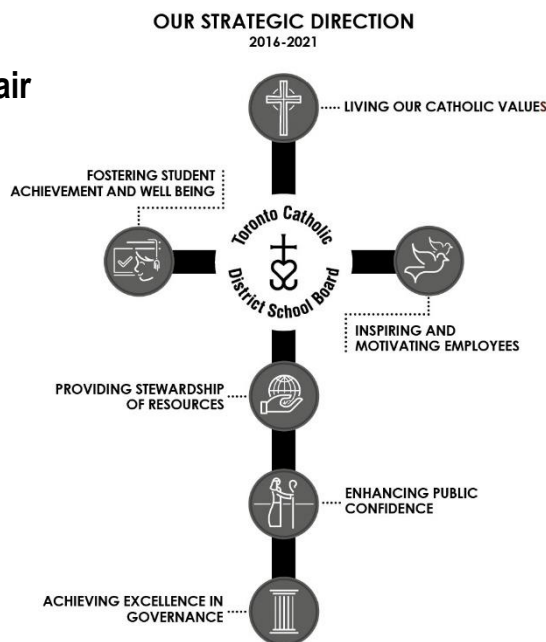
Teresa Lubinski
Trustee Ward 4

Joseph Martino
Trustee Ward 1

Maria Rizzo
Trustee Ward 5

Garry Tanuan
Trustee Ward 8

Kathy Nguyen
Student Trustee



MISSION

*The Toronto Catholic District School Board is an inclusive learning community uniting home, parish and school and rooted in the love of Christ.
We educate students to grow in grace and knowledge to lead lives of faith, hope and charity.*

VISION

At Toronto Catholic we transform the world through witness, faith, innovation and action.

Recording Secretary: Sophia Harris, 416-222-8282 Ext. 2293
Assistant Recording Secretary: Skeeter Hinds-Barnett, 416-222-8282 Ext. 2298

Rory McGuckin
Director of Education

Maria Rizzo
Chair of the Board

TERMS OF REFERENCE FOR CORPORATE SERVICES, STRATEGIC PLANNING AND PROPERTY COMMITTEE

The Corporate Services, Strategic Planning and Property Committee shall have responsibility for considering matters pertaining to:

- (a) Business services including procurement, pupil transportation risk management/insurance and quarterly financial reporting
- (b) Facilities (buildings and other), including capital planning, construction, custodial services, design, maintenance, naming of schools, enrolment projections and use permits
- (c) Information Technology including, computer and management information services
- (d) Financial matters within the areas of responsibility of the Corporate Services, Strategic Planning and Property Committee including budget development
- (e) Policy development and revision in the areas of responsibility of the Corporate Services, Strategic Planning and Property Committee
- (f) Policies relating to the effective stewardship of board resources in the specific areas of real estate and property planning, facilities renewal and development, financial planning and information technology
- (g) The annual operational and capital budgets along with the financial goals and objectives are aligned with the Board's multi-year strategic plan
- (h) Any matter referred to the Corporate Services, Strategic Planning and Property Committee by the Board
- (i) Intergovernmental affairs and relations with other outside organizations
- (j) Advocacy and political action
- (k) Partnership development and community relations
- (l) Annual strategic planning review and design

OUR MISSION

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AGENDA THE REGULAR MEETING OF THE CORPORATE SERVICES, STRATEGIC PLANNING AND PROPERTY COMMITTEE

PUBLIC SESSION

Nancy Crawford, Chair

Norman Di Pasquale, Vice-Chair

Thursday, October 10, 2019

7:00 P.M.

Pages

1. Call to Order
2. Opening Prayer (Chair or Designate)
3. Singing of O Canada
4. Roll Call and Apologies
5. Approval of the Agenda
6. Report from Private Session
7. Declarations of Interest
8. Approval & Signing of the Minutes of the Meeting held September 12, 2019 for Public Session. 1 - 21
9. Delegations
10. Presentation

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16.e	Ontario Catholic School Trustees' Association Fees (Recommendation)	170 - 181
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17.	Listing of Communications	
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20.	Resolve into FULL BOARD to Rise and Report	
21.	Closing Prayer	
22.	Adjournment	

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MINUTES OF THE REGULAR MEETING OF THE CORPORATE SERVICES, STRATEGIC PLANNING AND PROPERTY COMMITTEE

PUBLIC SESSION

HELD SEPTEMBER 12, 2019

Trustees:

N. Crawford, Chair
N. Di Pasquale, Vice Chair
F. D'Amico – via Teleconference
M. de Domenico
M. Del Grande
D. Di Giorgio
A. Kennedy
I. Li Preti
T. Lubinski
J. Martino
M. Rizzo
G. Tanuan

Student Trustee:

K. Nguyen

Staff:

R. McGuckin
D. Koenig
L. Noronha
A. Della Mora
S. Camacho
P. De Cock
M. Farrell

D. Friesen
M. Loberto
S. Vlahos

S. Harris, Recording Secretary
K. Paganelli, Acting Assistant Recording Secretary

4. Roll Call and Apologies

An apology was extended on behalf of Student Trustee Dallin.

5. Approval of the Agenda

MOVED by Trustee Di Pasquale, seconded by Trustee Rizzo, that Item 9c) Delegation: Jennifer Di Francesco regarding Need of New Elementary and Secondary Schools in Ward 2 be added to the Agenda.

Results of the Vote taken, as follows:

In favour

Opposed

Trustees Crawford
de Domenico
Del Grande
Di Giorgio
Di Pasquale
Kennedy
Li Preti
Lubinski
Martino
Rizzo
Tanuan

The Motion was declared

CARRIED

MOVED by Trustee Kennedy, seconded by Trustee Lubinski, that the Agenda, as amended to include Item 9c) and the Addendum, be approved.

Results of the Vote taken, as follows:

In favour

Opposed

Trustees Crawford
de Domenico
Del Grande
Di Giorgio
Di Pasquale
Kennedy
Li Preti
Lubinski
Martino
Rizzo
Tanuan

The Motion was declared

CARRIED

Trustee Rizzo left the horseshoe at 7:18 pm due to a Declaration of Interest, in DOUBLE PRIVATE Session, as indicated in Item 7.

6. **Report from Private Session**

MOVED by Trustee Di Pasquale, seconded by Trustee Tanuan, that the legal matter discussed in DOUBLE PRIVATE Session be approved.

Results of the Vote taken, as follows:

In favour

Opposed

Trustees Crawford
de Domenico
Del Grande
Di Giorgio
Di Pasquale
Kennedy
Li Preti
Lubinski
Martino
Tanuan

The Motion was declared

CARRIED

Trustee Rizzo returned to the horseshoe at 7:19 pm.

7. **Declarations of Interest**

Trustee Rizzo declared a conflict of interest in DOUBLE PRIVATE Session.

Trustee Rizzo declared a conflict of interest in Item 15h), 2018-2019 Third Quarter Financial Status Update, Risk Assessments 1, 2, 3 and 5, as she has

a family member who is an employee of the Board. Trustee Rizzo indicated that she would neither vote nor participate in those discussions.

8. Approval and Signing of the Minutes of the Meeting - Nil

9. Delegations

MOVED by Trustee de Domenico, seconded by Trustee Martino, that Item 9a) be adopted as follows:

- 9a) Peter Jakovcic regarding Ranking on Capital Priorities** received and referred to staff.

Results of the Vote taken, as follows:

In favour

Opposed

Trustees Crawford
de Domenico
Del Grande
Di Giorgio
Di Pasquale
Kennedy
Li Preti
Lubinski
Martino
Rizzo
Tanuan

The Motion was declared

CARRIED

MOVED by Trustee Lubinski, seconded by Trustee Tanuan, that Item 9b) be adopted as follows:

- 9b) Sandra Mastronardi regarding Critical need for a Replacement School for the Bishop Allen Academy Community** received and referred to staff..

Results of the Vote taken, as follows:

In favour

Opposed

Trustees Crawford
de Domenico
Del Grande
Di Giorgio
Di Pasquale
Kennedy
Li Preti
Lubinski
Martino
Rizzo
Tanuan

The Motion was declared

CARRIED

MOVED by Trustee de Domenico, seconded by Trustee Martino, that Item 9c) be adopted as follows:

- 9c) Jennifer Di Francesco regarding Need of New Elementary and Secondary Schools in Ward 2** received and referred to staff.

Results of the Vote taken, as follows:

In favour

Opposed

Trustees Crawford
de Domenico
Del Grande
Di Giorgio
Di Pasquale
Kennedy
Li Preti
Lubinski
Martino
Rizzo
Tanuan

The Motion was declared

CARRIED

Trustee Del Grande left the horseshoe at 7:40 pm.

Trustee D'Amico connected via Teleconference at 7:43 pm.

Trustee Del Grande returned to the horseshoe at 7:43 pm.

10. Presentations

MOVED by Trustee Lubinski, seconded by Trustee Kennedy, that Item 10a) be adopted as follows:

10a) Net Zero Study Report (Refer 15a) received.

Results of the Vote taken, as follows:

In favour

Opposed

Trustees Crawford
D'Amico
de Domenico
Del Grande
Di Giorgio
Di Pasquale
Kennedy
Li Preti
Lubinski
Martino
Rizzo
Tanuan

The Motion was declared

CARRIED

Trustee Kennedy wished to be recorded as not being in favour of Item 10b) MPP Kinga Surma regarding Urgent Need for a Catholic High School in Etobicoke Centre listed as a Presentation instead of Delegation.

MOVED by Trustee de Domenico, seconded by Trustee Rizzo, that Item 10b) be adopted as follows:

- 10b) MPP Kinga Surma regarding Urgent Need for a Catholic High School in Etobicoke Centre received.**

Results of the Vote taken, as follows:

In favour

Opposed

Trustees Crawford
D'Amico
de Domenico
Del Grande
Di Giorgio
Di Pasquale
Kennedy
Li Preti
Lubinski
Martino
Rizzo
Tanuan

The Motion was declared

CARRIED

MOVED by Trustee de Domenico, seconded by Trustee Rizzo, that Item 10c) be adopted as follows:

- 10c) Deputy Mayor Stephen Holyday regarding the Capital Priority List** received and referred to staff.

Results of the Vote taken, as follows:

In favour

Opposed

Trustees Crawford
D'Amico
de Domenico
Del Grande
Di Giorgio
Di Pasquale
Kennedy
Li Preti
Lubinski
Martino
Rizzo
Tanuan

The Motion was declared

CARRIED

Trustee D'Amico disconnected via Teleconference at 8:37 pm.

11. Notices of Motion

11a) From Trustee Crawford regarding October 3, 2019 Student Achievement and Well Being, Catholic Education and Human Resources Committee Meeting will be considered at the September 19, 2019 Regular Board Meeting.

11b) From Trustee de Domenico regarding Paperless Agendas will be considered at the October 10, 2019 Corporate Services, Strategic Planning and Property Committee Meeting.

- 11c) From Trustee de Domenico regarding School Board Support** will be considered at the October 10, 2019 Corporate Services, Strategic Planning and Property Committee Meeting.
- 11d) From Trustee Di Pasquale regarding Access to Free Menstrual Products** will be considered at the October 10, 2019 Corporate Services, Strategic Planning and Property Committee Meeting.

Trustee D'Amico reconnected via Teleconference at 8:38 pm.

Trustee de Domenico left the horseshoe at 8:42 pm.

12. Consent and Review

The Chair reviewed the Order Paper and the following Items were held:

- 15a) Trustees Del Grande and Di Pasquale;
- 15b) Trustee Di Giorgio;
- 15c) Trustee Li Preti;
- 15e) Trustee Tanuan;
- 15g) Trustee Di Giorgio;
- 15h) Trustee Di Giorgio; and
- 15i) Trustee Del Grande;

MOVED by Trustee Del Grande, seconded by Trustee Tanuan, that the Items not held be received and that the staff recommendations be approved.

Results of the Vote taken, as follows:

In favour

Opposed

Trustees Crawford
D'Amico
Del Grande
Di Giorgio

Di Pasquale
Kennedy
Li Preti
Lubinski
Martino
Rizzo
Tanuan

The Motion was declared

CARRIED

ITEMS NOT HELD AS CAPTURED IN THE ABOVE MOTION

15d) Monthly Procurement Approvals that the Board of Trustees approve all procurement activities/awards listed in Appendix A of the report; and

15f) Delegated Authority Update received.

15. Staff Reports

MOVED by Trustee Del Grande, seconded by Trustee Li Preti, that Item 15a) be adopted as follows:

15a) Net Zero Study that this item be deferred to the October 10, 2019 Corporates Services, Strategic Planning and Property Committee Meeting.

Results of the Vote taken, as follows:

In favour

Opposed

Trustees Crawford
D'Amico
Del Grande

Di Giorgio
 Di Pasquale
 Kennedy
 Li Preti
 Lubinski
 Martino
 Rizzo
 Tanuan

The Motion was declared

CARRIED

Trustee de Domenico returned to the horseshoe at 8:47 pm.

MOVED by Trustee Di Giorgio, seconded by Trustee Tanuan, that Item 15b) be adopted as follows:

15b) Capital Priorities 2019-2020 (All Wards):

WHEREAS the scoring in all of the approved criteria for each of the respective capital priorities is not contained in this report.

BE IT RESOLVED that the report be revised to include all matrix results for the top 10 capital priorities to ensure informed decision making and that this report be presented for consideration at the September 19, 2019 Regular Board meeting.

Results of the Vote taken, as follows:

In favour

Opposed

Trustees D'Amico
 de Domenico

Crawford

Del Grande
Di Giorgio
Di Pasquale
Kennedy
Li Preti
Lubinski
Martino
Rizzo
Tanuan

The Motion was declared

CARRIED

MOVED by Trustee Li Preti, seconded by Trustee Martino, that Item 15c) be adopted as follows:

15c) Boardroom Audio-Visual RFP Award:

1. That the Boardroom Audio Visual upgrades be deferred to the 2020/2021 Budget year or until such a time as the 2019/2020 in-year deficit is eliminated; and
2. That \$1,332,103.70 be directed from the IT Infrastructure reserve towards the 2019/2020 in-year deficit.

Results of the Vote taken, as follows:

In favour

Trustees D'Amico
Li Preti

Opposed

Crawford
de Domenico

Martino

Del Grande
 Di Giorgio
 Di Pasquale
 Kennedy
 Lubinski
 Rizzo
 Tanuan

The Motion was declared

FAILED

MOVED by Trustee Di Pasquale, seconded by Trustee Tanuan, that the Request for Proposal (RFP) (P-047-19) for the provisioning of Audio-Visual equipment, millwork and associated installation services within the CEC public meeting spaces be awarded to Applied Electronics Ltd. for \$1,048,993.40 net taxes; the overall project budget to be set at \$1,332,103.70 inclusive of contingency; and that the project be funded from IT Infrastructure Reserve.

MOVED in AMENDMENT by Trustee Del Grande, seconded by Trustee Rizzo, that Audio recording equipment be installed in the Large Committee Room.

Results of the Vote taken on the AMENDMENT, as follows:

In favour

Trustees Crawford
 D'Amico
 de Domenico

Opposed

Li Preti
 Martino

Del Grande
Di Giorgio
Di Pasquale
Kennedy
Lubinski
Rizzo
Tanuan

The AMENDMENT was declared

CARRIED

Results of the Vote taken on the Motion, as amended, as follows:

In favour

Opposed

Trustees Crawford
D'Amico
de Domenico
Del Grande
Di Giorgio
Di Pasquale
Kennedy
Lubinski
Rizzo
Tanuan

Li Preti
Martino

The Motion, as amended, was declared

CARRIED

MOVED by Trustee Di Pasquale, seconded by Trustee Kennedy, that all Items not discussed be deferred to the October 10, 2019 Corporate Services Strategic Planning and Property Committee meeting.

Results of the Vote taken, as follows:

In favour

Opposed

Trustees Crawford
D'Amico
de Domenico
Del Grande
Di Giorgio
Di Pasquale
Kennedy
Li Preti
Lubinski
Martino
Rizzo
Tanuan

The Motion was declared

CARRIED

MATTERS NOT DISCUSSED AS CAPTURED IN ABOVE MOTION

- 15e) Student Information System (SIS) Project Update;
- 15g) Capital Program Update 2019;
- 15h) 2018-2019 Third Quarter Financial Status Update; and
- 15i) Redirected Students and Busing – Trustee Del Grande

19. Resolve into FULL BOARD to Rise and Report

MOVED by Trustee Lubinski, seconded by Trustee Kennedy, that the meeting resolve into FULL BOARD to Rise and Report.

Results of the Vote taken, as follows:

In favour

Opposed

Trustees Crawford
D'Amico
de Domenico
Del Grande
Di Giorgio
Di Pasquale
Kennedy
Li Preti
Lubinski
Martino
Rizzo
Tanuan

The Motion was declared

CARRIED

MOVED by Trustee Kennedy, seconded by Trustee Lubinski, that the meeting resolve back into DOUBLE PRIVATE Session.

Results of the Vote taken, as follows:

In favour

Opposed

Trustees Crawford
D'Amico
de Domenico
Del Grande
Di Giorgio
Di Pasquale
Kennedy
Li Preti
Lubinski
Martino
Rizzo
Tanuan

The Motion was declared

CARRIED

PRESENT: (Following DOUBLE PRIVATE Session)

Trustees: M. Del Grande, Acting Chair
N. Crawford
M. de Domenico
D. Di Giorgio
N. Di Pasquale
A. Kennedy
I. Li Preti
T. Lubinski
J. Martino
G. Tanuan

Staff: R. McGuckin

S. Harris, Recording Secretary

MOVED by Trustee Di Pasquale, seconded by Trustee Kennedy, that the meeting resolve into FULL BOARD to Rise and Report.

Results of the Vote taken, as follows:

In favour

Opposed

Trustees Crawford
de Domenico
Del Grande
Di Giorgio
Di Pasquale
Kennedy
Li Preti
Lubinski
Martino
Tanuan

The Motion was declared

CARRIED

21. Adjournment

MOVED by Trustee Di Pasquale, seconded by Trustee Crawford, that the meeting be adjourned.

Results of the Vote taken, as follows:

In favour

Opposed

Trustees Crawford
de Domenico
Del Grande
Di Giorgio
Di Pasquale
Kennedy
Li Preti
Lubinski
Martino
Tanuan

The Motion was declared

CARRIED

SECRETARY

CHAIR



*Markus de Domenico
Trustee Ward 2*

E-mail: Markus.deDomenico@tcdsb.org

Voicemail: 416-512-3402

To: Corporate Services Committee Meeting , October 10, 2019

From: Markus de Domenico, Trustee Ward 2

Subject: Notice of Motion – Parent Guide to Admissions

MOVED BY: Markus de Domenico, Toronto Catholic District School Board

WHEREAS: In order to continue to be transparent and to ease facilitation of our admissions policies;

BE IT RESOLVED THAT: the Chair of the Board and Director of Education formally request that the Minister of Municipal Affairs and Housing review section 16(4) of the Assessment Act with the goal of removing English-Public school support as the default option;

**Markus de Domenico
Trustee, Ward 2**



*Markus de Domenico
Trustee Ward 2*

E-mail: Markus.deDomenico@tcdsb.org

Voicemail: 416-512-3402

To: Corporate Services Committee Meeting , October 10, 2019

From: Markus de Domenico, Trustee Ward 2

Subject: Notice of Motion – Amendment to Policy S.A.01 Admission and Placement of Elementary Pupils

MOVED BY: Markus de Domenico, Toronto Catholic District School Board

WHEREAS: parents want to enroll their children in their neighbourhood school;

WHEREAS: Whereas; the documentation required for admission must be more accurate, government issued and offer proof positive that the resident resides in the catchment;

BE IT RESOLVED THAT: that Regulation 2. iv. of Policy S.A.01 – Admission and Placement of Elementary Pupils be amended to read, “Proof of residency as evidenced by a Canadian Revenue Agency notice of assessment and corresponding government issued photo identification.”

**Markus de Domenico
Trustee, Ward 2**



*Markus de Domenico
Trustee Ward 2*

E-mail: Markus.deDomenico@tcdsb.org

Voicemail: 416-512-3402

To: Corporate Services Committee Meeting , October 10, 2019

From: Markus de Domenico, Trustee Ward 2

Subject: Consideration of Motion – Paperless Agendas

MOVED BY: Markus de Domenico, Toronto Catholic District School Board

WHEREAS: As part of the 2019/2020 the Board of Trustees approved a motion targeting a reduction of paper use across the TCDSB;

WHEREAS: Trustees and senior staff have the ability to view the agendas electronically and online through Board provisioned devices;

WHEREAS: The reduction in paper use and CO2 generated by printing and delivering agendas is an easy, achievable means of reducing the TCDSB's environmental impact;

WHEREAS: Eliminating staff hours involved in printing and delivery of the agenda to Trustees provides additional cost savings to the Board;

BE IT RESOLVED THAT: the printed agendas no longer be provided to Trustees and Senior Board staff;

**Markus de Domenico
Trustee, Ward 2**



*Markus de Domenico
Trustee Ward 2*

E-mail: Markus.deDomenico@tcdsb.org

Voicemail: 416-512-3402

To: Corporate Services Committee Meeting , October 10, 2019

From: Markus de Domenico, Trustee Ward 2

Subject: Consideration of Motion – School Board Support

MOVED BY: Markus de Domenico, Toronto Catholic District School Board

WHEREAS: School Board support is listed as tracked through municipal property ownership;

WHEREAS: Section 16(4) of the Assessment Act requires that school support designation default to English-Public unless the owner or tenant advises the Municipal Property Assessment Corporation (MPAC) otherwise;

WHEREAS: There are four school support options available;

WHEREAS: Accurate school support data is required for multiple purposes including determining Ward boundaries and ensuring effective representation;

BE IT RESOLVED THAT: the Chair of the Board and Director of Education formally request that the Minister of Municipal Affairs and Housing review section 16(4) of the Assessment Act with the goal of removing English-Public school support as the default option.

**Markus de Domenico
Trustee, Ward 2**



*Norm Di Pasquale
Trustee Ward 9*

E-mail: Norman.DiPasquale@tcdsb.org

Voicemail: 416-512-3409

To: Corporate Services Committee Meeting , October 10, 2019

From: Norm Di Pasquale, Trustee Ward 9

Subject: Consideration of Motion – Access to Free Menstrual Products

MOVED BY: Norm Di Pasquale, Toronto Catholic District School Board

Access to Free Menstrual Products

WHEREAS: lack of access due to economic factors - often referred to as “period poverty” - impacts girls and women around the world and can be especially damaging at puberty, when school interactions are crucial to a girl’s development; and

WHEREAS: nearly one in seven Canadian girls have either left school early or missed school entirely because they did not have access to the feminine care products they needed to manage their periods; and

WHEREAS: menstrual hygiene products are not optional and are necessary and essential to women's and girls' health, comfort and participation in work, school and society; and

WHEREAS: other Ontario school boards, municipal, provincial, and federal governments have already taken steps to provide free menstrual hygiene products to students and staff;

WHEREAS: there are organizations that exist that provide no cost access to menstrual products and associated educational materials;

BE IT RESOLVED THAT: the Director be authorized to enter into a partnership with an appropriate organization to secure access to menstrual products and education materials at no cost to the Board;

BE IT RESOLVED THAT: should a partnership be found, that free menstrual products be provided in all secondary schools where females attend beginning in the 2020-21 school year.

Norm Di Pasquale
Trustee, Ward 9



REPORT TO

CORPORATE SERVICES, STRATEGIC PLANNING AND PROPERTY COMMITTEE

NET ZERO ENERGY STUDY (ALL WARDS)

"I can do all things through HIM who strengthens me."

Philippians 4:13 (NRSVCE)

Created, Draft	First Tabling	Review
September 3, 2019	September 12, 2019	

D. Friesen, (Acting) Superintendent, Capital Development and Asset Renewal

M. Farrell, (Acting) Superintendent, Environmental Support Services

RECOMMENDATION REPORT

Vision:

At Toronto Catholic we transform the world through witness, faith, innovation and action.

Mission:

The Toronto Catholic District School Board is an inclusive learning community uniting home, parish and school and rooted in the love of Christ.

We educate students to grow in grace and knowledge to lead lives of faith, hope and charity.



Rory McGuckin
Director of Education

D. Koenig
Associate Director
of Academic Affairs

L. Noronha
Associate Director of Facilities,
Business and Community
Development, and
Chief Financial Officer

A. EXECUTIVE SUMMARY

This report presents the *path towards Net Zero* research study findings and recommends next steps. Based on the findings that the Toronto Catholic District School Board is one of the most intense energy consumers among GTA boards and that Net Zero buildings are, so far, very rare and require very low energy use intensity, the research study report has been titled “***Conserve First.***”

Net Zero Emissions, rather than Net Zero Energy, is recommended as a long-term goal, as this is a more achievable target and reduction of greenhouse gas emissions is the critical concern in addressing climate change. While the TCDSB is likely decades away from being able to achieve Net Zero, there are many lessons to be learned from other school boards in Ontario and similar climates in North America. Energy-conserving practices can be developed that can lead to significant reductions in energy use and emissions. Creation of a “conservation culture,” with sustained effort from a host of people, including external partners, over a period of years, even decades, is essential for success. Based on Pope Francis’ “*Laudato Si*”, this approach could also be construed as aligning with Catholic values.

The staff recommendation is that trustees commit to the creation of a “conservation culture” at the TCDSB. This would require consultation with trustees, staff, students, parents and other school boards, to determine a target for TCDSB’s energy conservation strategy, a roadmap to achieving this target and how to create a conservation culture extending into the core business of teaching students.

The cumulative staff time required to prepare this report was 14 hours

B. PURPOSE

1. ***At the Corporate Services, Strategic Planning and Property Committee meeting on March 10, 2016, the Board resolved to become a net zero energy school board.*** In December 2017, in order to define a feasible long-term energy target and map out strategies to achieve this target, a consultant was appointed to carry out comprehensive research to:
 - .1 *Benchmark TCDSB existing schools’ energy use, construction standards and Capital costs and compare to other GTA boards;*
 - .2 *Summarize relevant policies and standards;*

- .3 *Track Capital cost implications of energy-saving design strategies that have been employed by others;*
 - .4 *Set specific short and long-term targets and identify risks;*
 - .5 *Make recommendations and identify next steps.*
2. ***This report presents the “Path towards Net Zero” consultant study findings and recommends next steps.*** The study has been titled “Conserve First,” to emphasize the finding that reduction of energy consumption is the critical first step.

C. BACKGROUND

1. ***The Research in Architecture Studio provides research services to public agencies and agencies serving the profession of architecture, focussing on the performance of buildings, the reliability of emerging “green” building technology and risk management.*** In December 2017, following a competitive procurement process, The Research in Architecture Studio was retained to carry out a research study to investigate the challenges and potential for the TCDSB to move toward Net Zero Energy, to provide the Board with a solid basis for decision-making.
2. ***The Board’s Energy Conservation and Demand Management (ECDM) Plan outlines a short-term goal for energy conservation that is still a long way from net zero.*** A new five-year ECDM Plan, prepared by Enerlife Consulting Inc., was approved by the Board on June 6, 2019, targeting a reduction in energy use of 11% over five years. The Board’s commitment of \$2M in School Renewal funding per year for five years is a start on the road to net zero. The “Conserve First” study details just how long that road is and provides options and recommendations for the Board to consider.
3. ***In his 2015 Encyclical, Laudato Si’, Holy Father Francis brings addressing climate change to the forefront as an issue of Catholic Faith.*** The “Conserve First” study outlines three Guiding Principles derived from the Laudato Si’, noting that the Holy Father calls out to all people to integrate their thinking about environmental stewardship with their thinking about disenfranchised people. “*When we speak of the ‘environment,’ what we really mean is a relationship existing between nature and the society which lives in it. . . We are faced not with two separate crises, one environmental and the other social, but rather with one complex crisis which is both social and*

environmental.” (Laudato Si’, article 139). It can be seen as a moral imperative for a Catholic school board to take real steps to address this crisis.

D. EVIDENCE/RESEARCH/ANALYSIS

1. ***The Conserve First Net Zero Research Study comprises an Introduction and five parts as follows:***

Introduction: What would “Net Zero” mean for the TCDSB?

Part 1: Starting position and guiding principles;

Part 2: Regulations, standards and conservation culture;

Part 3: Cold-climate Net Zero schools: the new and the few (case studies);

Part 4: “Conserve first” demands a whole array of design strategies;

Part 5: Financing the transition toward Net Zero readiness.

2. ***The Executive Summary of the “Conserve First” report is attached as Appendix A.*** The full report will be available on the Board’s website under the Environment page at the following link:

<https://www.tcdsb.org/Board/environment/Documents/ConserveFirstNetZeroResearch.pdf>

3. ***The findings from each section of the “Conserve First” report can be summarized as follows:***

Intro: • Definitions of Net Zero (NZ) – NZ-Energy at the site, NZ-Emissions (or Carbon) at the site, NZ-Emissions (or Carbon) at the source, NZ-Ready (Energy or Emissions), Near-Zero;

• Key indicator is Energy Use Intensity (EUI), most commonly measured in Ontario in kWhr/m²/yr;

• Thermal Energy Demand Intensity (TEDI), the energy used for space heating, is the most important component of EUI in our Ontario climate to reduce;

• GTA median for EUI for schools is 176 kWhr/m²/yr;

• Target maximum for NZ-Emissions schools is 75 kWhr/m²/yr.

Part 1: • Guiding Principles found in the Laudato Si’ caution against partial solutions in favour of an “integral ecology,” against harmful habits of consumption, and against a “superficial ecology” in favour of a “broader vision” that helps the poor;

- On a per square metre basis, the TCDSB is one of the most intense energy consumers among GTA boards with the highest EUI at 371 ekWhr/m²/yr and two-thirds of the schools above the GTA median;
- Nearly all TCDSB elementary schools use more than 1.5 times the energy of a NZ-Emissions ready school;
- Some TCDSB schools use 4 times the energy that others do;
- Part 1 analyzes the factors influencing energy use in TCDSB schools and suggests 12 New Directions that are critical to pursuing a greatly reduced level of energy consumption;

- Part 2:
- Applicable laws today – Ontario Building Code, Regulation 507/18 under the Electricity Act, Toronto Green Standard Tier 1;
 - Roadmap for future regulation - Toronto Green Standard Tiers 2-4, Toronto Zero Emissions Buildings Framework;
 - Guidelines available for voluntary adoption – CaGBC Zero Carbon Building Standard, REALPac’s 20 by 15 program, BOMA Canada Net Zero Challenge, Passive House Canada guideline;
 - Toronto Regional Conservation Authority (TRCA) Sustainable Schools ranking of most energy-conserving schools in Ontario;
 - Six principal elements of conservation culture practiced by the ten TRCA-ranked most energy-conserving school boards.

- Part 3:
- Net Zero schools are, so far, very rare;
 - The only three Net Zero or Near Net Zero projects that have been completed in Ontario and Quebec are profiled;
 - Five projects in similar U.S. climates were identified and three of these were studied in depth;
 - All six case studies shared three key approaches – partnering with multiple external agencies, engagement of teachers and students and training of building operators;
 - *“Where ambitious conservation or Net Zero have been realized, success has been the product of the sustained effort of a host of people over a period of years, even decades.”*

- Part 4:
- Technical strategies used in the case study schools in Part 3 are identified and compared to TCDSB’s recently constructed schools;
 - Air tightness testing is essential to achieving exemplary energy performance;

- All five Net Zero schools studied use ground source heat pumps to deliver heating and cooling;
- Insulation levels, window-to-wall ratios, lighting power density, energy-recovery ventilation, HVAC and lighting controls and reduction of “plug loads” are all key strategies;
- Quality control during construction is essential and blower door testing for air-tightness is recommended.

Part 5: • The Capital cost of Net Zero buildings studied ranged from 50% to 120% more than the 2018 Ministry of Education benchmark funding for schools;

- To add only enclosure upgrades to reduce energy consumption would require at least 10-12% above benchmark funding;
- Creation of an Energy Conservation Capital Fund is suggested with the potential to generate funds for one NZ-Emissions school every 5-7 years.

4. ***In relation to Part 5 of the Conserve First study, TCDSB has also carried out costing of upgrades for a potential pilot Net Zero new school.*** Staff requested a Net Zero upgrade design brief and cost estimate from the architect for the St. Bruno/St. Raymond replacement school. The estimated additional cost was \$3,039,945. On April 4, 2018, staff submitted a request to the Ministry of Education for additional funding to make this TCDSB’s first Net Zero school. This request was not approved.
5. ***The study report outlines a number of options that the TCDSB may choose to set targets and to map a path forward.*** The general conclusion of the study is that the TCDSB is a long way from being able to achieve a target of Net Zero Energy, but that there are many lessons that can be learned from other school boards in Ontario and in similar climates in North America. Energy-conserving practices can be developed that can lead to significant reductions in energy use and greenhouse gas emissions.
6. ***It is essential to develop a “conservation culture” within the Board.*** The other important finding from the study is that school boards and other organizations that have made significant gains in energy conservation and greenhouse gas reduction could not have done so without support from the full range of stakeholders. Trustees, Directors, senior staff, as well as staff at all levels have contributed something substantive and of long duration. A “conservation culture” should extend into the core business of teaching

students. Fostering student achievement includes environmental stewardship literacy and commitment.

E. METRICS AND ACCOUNTABILITY

1. *Consultation on creation of a conservation culture should be carried out with trustees, staff, students, parents and other school boards.* The findings of the “Conserve First” Net Zero research study will help determine a target for TCDSB’s energy conservation strategy, a roadmap to achieving this target and, most importantly, how to create a conservation culture at TCDSB. Consultation methods will be assessed on an ongoing basis and modified as required.
2. *A report on the results of consultation and recommendations for next steps will be presented within one year to the Corporate Services Committee meeting.*

F. IMPLEMENTATION, STRATEGIC COMMUNICATIONS AND STAKEHOLDER ENGAGEMENT PLAN

1. *The Environment Committee will review the “Conserve First” Net Zero Study report at its next meeting on September 20, 2019.* The Committee will develop a Consultation Plan, to include:
 - Trustees, including Student Trustees
 - Director of Education
 - Education Council
 - Environmental Support Services management staff
 - Capital Development and Asset Renewal staff
 - Energy Management staff
 - Environmental Support Services front line staff
 - Technical Services staff
 - STEM/Environmental Resource Teachers
 - Principals
 - Students
 - CPIC/OAPCE
 - Parents/Catholic School Parent Councils
 - Other School Boards

2. ***Stakeholder consultation will be carried out between October 2019 and March 2020.*** The intent of the proposed consultation is to arrive at a direction towards combatting climate change devised by, and strongly supported by, all stakeholders, that will be used to develop an implementation plan. This will include:
- identification of an achievable long-term energy performance/ greenhouse gas reduction target;
 - identification of means to monitor and demonstrate progress towards this target;
 - identification of a reasonable timeline to achieve the target;
 - understanding by all stakeholders of the challenges involved in achieving substantial energy use and greenhouse gas emission reductions and the need to create a conservation culture;
 - collection of ideas from all stakeholders about opportunities to create a conservation culture within their sector/influence;
 - selection of the most promising options for methods to achieve the desired improvements for further research/exploration;
 - identification of resources needed to explore options and develop an implementation plan
 - identification of policy changes needed to help create and sustain a conservation culture.
3. ***Following the initial consultation, the next steps will be to:***
- recommend required policy changes needed to help create and sustain a conservation culture;
 - secure approval and resources to explore the most promising options identified by the consultation;
 - carry out research to identify the costs/benefits of the shortlisted options;
 - carry out further consultation with stakeholders and select a path;
 - collaborate with stakeholders to develop a long-term implementation plan;
 - continuously monitor progress of the implementation plan and adapt as needed to ensure continuous, sustainable commitment and improvement.

G. STAFF RECOMMENDATION

1. That trustees commit to the creation of a conservation culture at TCDSB.
2. That consultation on the creation of a conservation culture and identification of targets for energy conservation be carried out, as detailed in the Implementation, Communications and Stakeholder Engagement Plan in this report.

APPENDIX A

CONSERVE FIRST: NET ZERO RESEARCH STUDY

Executive Summary

*“... If you are successful, you will win some false friends and some true enemies;
Succeed anyway. ...
What you spend years building, someone could destroy overnight;
Build anyway. ...
Give the world the best you have, and it may never be enough;
Give the world the best you’ve got anyway ...”*



*inscribed on the wall of Mother Teresa’s children’s home in Calcutta,
the “Anyway” Poem, or The Paradoxical Commandments, was written by Kent M. Keith in 1968*

Purpose of this study:

to help refine the TCDSB's 2016 resolution & chart a path forward

In 2016, the TCDSB passed a resolution to “become a Net Zero energy school board.”* The Chair was to write to the Minister of Education and to the provincial and federal Ministers of the Environment and Climate Change (to request financial support). Staff were to work in partnership with the Ministries of the Environment and Climate Change (assuming commitments were made by the other agencies) and report back to the Board on progress.

In 2017**, Facilities Services Staff tabled a number of issues or questions requiring research, among them:

- which of the various definitions of “Net Zero” to adopt (i.e. where to aim?),
- how to understand the implications of adopting one definition over another,
- which design or procedural strategies have the greatest potential to deliver value,
- whether it would be technically feasible to offset all energy used in existing schools with renewable energy generated at new schools, and
- how to prepare a project to take advantage of external funding support, should it materialize, in future.

This *Conserve First* report responds, by describing how the concept of Net Zero might be applied to the design, construction and ongoing operation of the TCDSB's elementary and secondary schools. It introduces broad policy options for the long term. It also highlights an array of small practical steps that might be taken right away.

The TCDSB may, with the information presented here, choose to revise, continue, or revoke its 2016 resolution regarding Net Zero. **We hope the Board will renew its commitment to energy conservation and greenhouse-gas reduction in all of its daily actions** respecting buildings - as the poem (opposite) says, anyway.

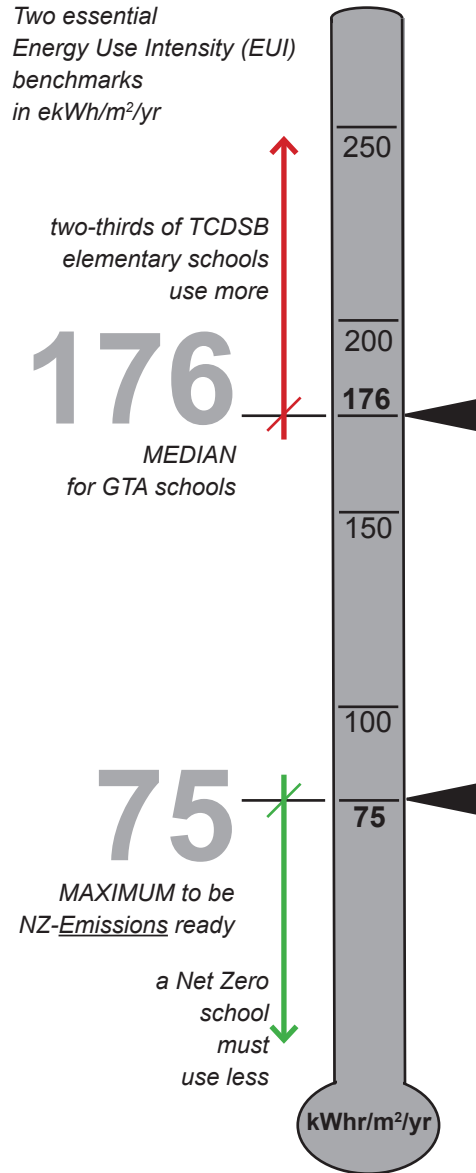
* *Corporate Services, Strategic Planning and Property Committee meeting, March 10, 2016*

** *Net Zero Energy Status Update (All Wards), Report to Regular Board, First Tabling April 19, 2017 and*

Net Zero Energy Study Consultant Appointment, Report to Associate Directors' Council, Review December 4, 2017

Executive Summary

Figure ES.01
Two essential
Energy Use Intensity (EUI)
benchmarks
in $\text{kWh}/\text{m}^2/\text{yr}$



Net Zero is an ideal state in which measures are taken to balance a load that human activity places on an ecosystem. In 2016, the TCDSB expressed an interest in “Net Zero Energy”, and this report addresses energy consumption and the resulting emission of greenhouse gasses (which are associated with climate change) in TCDSB school buildings.

This report neither promotes the continued pursuit of Net Zero, nor argues for abandonment of the TCDSB’s 2016 resolution. Rather, it aims to help the TCDSB understand what may lie ahead - by suggesting an overall approach, and a number of steps with which to start, immediately, to travel the long road toward its goal. We suggest re-naming the goal “Net Zero Emissions readiness”, which has a technical definition that is related to, but distinct from “Net Zero Energy”. (See Core Observation 2.)

The first step on the path to Net Zero (no matter how it is defined) is ambitious energy conservation. Figure ES.01 illustrates two key benchmarks that are used throughout the *Conserve First* report. Energy Use Intensity (EUI) is for buildings what calories per serving is for a food label or miles-per-gallon is for a car. Lower is more conserving.

As Figure ES.01 shows, there is a very wide gap between today’s typical TCDSB school and that of a Net Zero school. To close it will require not just careful design, but continuous monitoring and adjustment of behaviours in reference to these benchmarks.

In renewing its commitment to energy conservation and greenhouse-gas reduction, we hope the TCDSB would endorse the following approach:

- **Make a host of small decisions, daily, in alignment with its values.**
- **Conserve first, conserve anyway.** Set an energy budget for every building. Track and communicate real energy usage to everyone who occupies, manages,

Executive Summary

helps build, or helps design every TCDSB building.

- **Adopt step goals**, to increase conservation over time. To begin, try to realize an ambitious level of conservation in many buildings, and Net Zero Emissions readiness in a few.
- **Employ construction quality-control strategies**, as well as an array of design strategies to help optimize building performance.
- **Involve everyone**. Ambitious conservation depends on the active participation of occupants, throughout the life of a building.

At the end of this Executive Summary, we list all of the many ideas about how the TCDSB might proceed toward its goal, which are contained in the chapter summaries, within the longer *Conserve First* report. Each of the following ten core observations stems from what that research has shown us. Together they describe what “becoming Net Zero” would mean for the TCDSB.

1. Accept that the road to Net Zero will involve a journey of decades
2. Target for buildings: Net Zero Emissions ready
3. Hold fast to values expressed in the 2015 *Laudato Si'*
4. Technical strategies: Commit to do more than the minimum
5. Human factors: important as technical strategies
6. Responding to the financial challenge
7. Defer construction of renewable energy generation until usage is reduced
8. Focus on heating
9. Help everyone continue to learn about what drives energy use
10. Further study

TWO ESSENTIAL TERMS

EUI

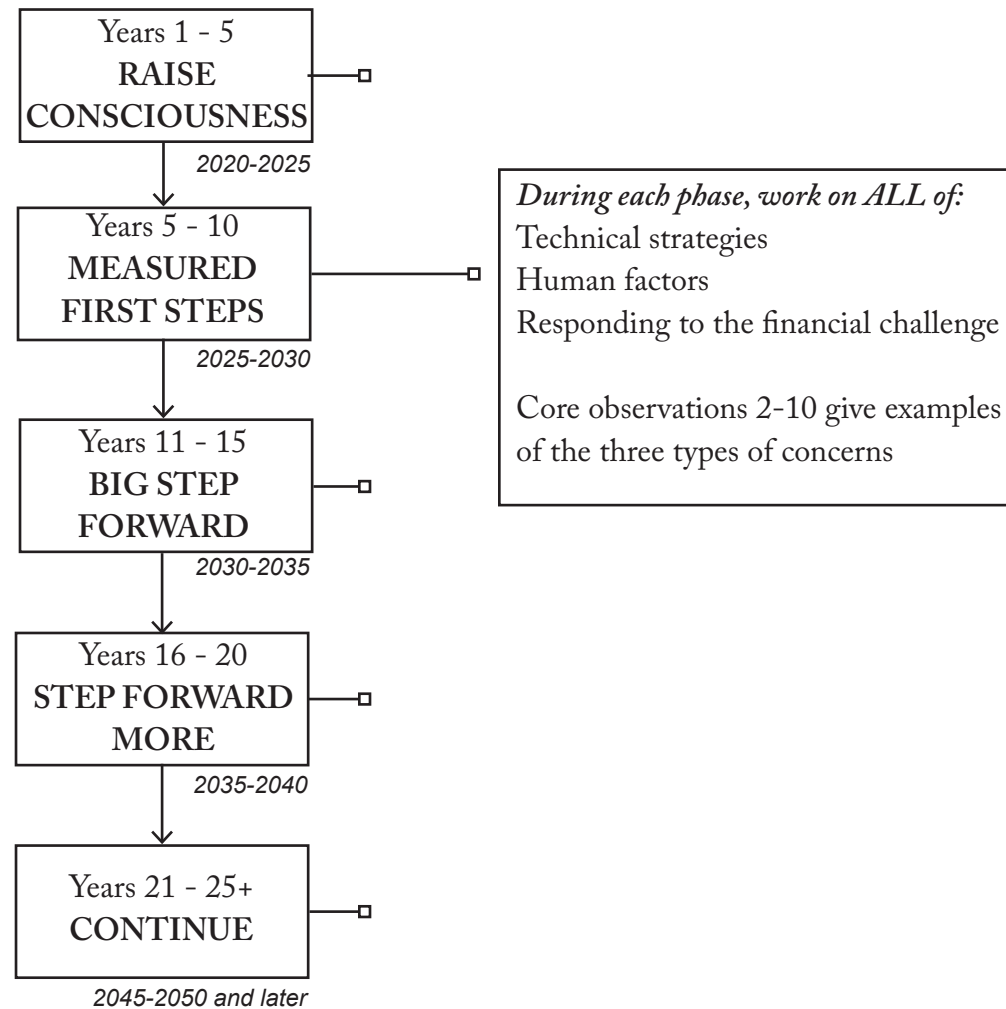
Energy Use Intensity allows a comparison of how much energy is used in two or more buildings of unequal size. It should include all usage of all fuels for all purposes, namely: space heating and cooling, ventilation, and site and indoor lighting, as well as any equipment that is plugged in. It can be measured in $\text{ekWhr/m}^2/\text{yr}$ or other units.

$\text{ekWhr/m}^2/\text{yr}$

Equivalent kilowatt-hours per meter squared per year measures the EUI of a building. All usage reported on all fuel bills is captured in one unit. In the TCDSB's case, bills are for natural gas and electricity. Alternative units, which measure the same thing, are presented with conversion factors in Part 1 of the *Conserve First* report.

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Figure ES.02
Roadmap to Net Zero readiness:
The first 25 years



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1. A journey of decades

The road to a state of Board-wide Net Zero Emissions readiness will be a long one: likely to take at least 40 years to travel, if not more. Figure ES.02 outlines the first few phases.

The TCDSB's starting position lengthens the journey. Today, on a per-square foot basis, the TCDSB is one of the most intense consumers of energy among the GTA Boards. It has the largest proportion of floor area operating above the GTA median Energy Use Intensity (EUI) and no floor area operating within the "exemplary" top 2% of GTA schools. Some TCDSB schools consume four times the energy that others consume, and many exhibit wild variations in energy use from year to year.

Net Zero is a long way away for many other school boards in Ontario, as well. Net Zero schools are very special buildings, consuming less than 75 ekWhr/m²/yr of energy - less than 40% of the energy that a middle-of-the-pack GTA school uses. To sustain this level of conservation, they must be very carefully monitored and occupied conscientiously.

Further, at the current "rate of churn", not all 200 TCDSB schools will be replaced or substantially renewed during the next 40 years. To walk the road from here to Net Zero, the TCDSB would need to turn in new directions (labelled NDs), namely:

- Lower the EUI of every school to 40-75% of 2017 levels (ND1),
- Narrow the range from energy-consuming to energy-conserving (ND2), and
- Establish more control over energy use than has been feasible to date (ND3).

Technically speaking, ND1, ND2 and ND3 would have to take precedence over every other recommendation made in the *Conserve First* report. Though the road will be long, the approach to Net Zero can only be made by taking the first step.

CORE OBSERVATION

1

Responses requested to Core Observation 1:

a - Will the Board adopt New Directions ND1, ND2, and ND3, starting its efforts in these respects now?

b - Given, 1a, will the Board accept 2060-2080 as the horizon at which to reach Board-wide Net Zero readiness?

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2. Target for buildings: Net Zero Emissions ready

CORE OBSERVATION 2

The TCDSB's 2016 resolution may be characterized (we think fairly) as extremely ambitious. While some cities are working to realize Net Zero districts, and more than one college or university hopes to create a Net Zero campus, the TCDSB is the first agency we've heard declare an intent to reach Net Zero across a portfolio of buildings which occupy small sites that are dispersed throughout a large region. There is not, as yet, a Net Zero school in the GTA, and there is just one in all of Ontario.

The general concept of Net Zero (which is illustrated in Figure ES.03) is not new, but its application to real, occupied buildings is still being tested. Only recently, have various agencies in the USA and Canada defined the term - and it may be defined in a variety of ways. When designing a single Net Zero building, the choice of one definition or the other will have a significant impact on capital cost, space allocation, and how the building is operated. To envision the future of the entire portfolio, it is essential to choose the version of Net Zero that best suits the values and intentions of the agency who is taking the initiative. There are three main variations:

- Net Zero Energy
- Net Zero Emissions
- Net Zero Emissions ready

In a **Net Zero Energy** building, every unit of energy that is used (on an annual basis) is matched by energy generated by renewable energy equipment on the site (solar panels, wind generators, or both). To reach Net Zero Energy, the renewable energy power plant must be large enough to produce 100% of the energy that everyone at the site uses for every purpose – heating, lighting (indoors and out), ventilation, cooling, and any equipment that is plugged in, such as computers, printers, water coolers, and so on. While

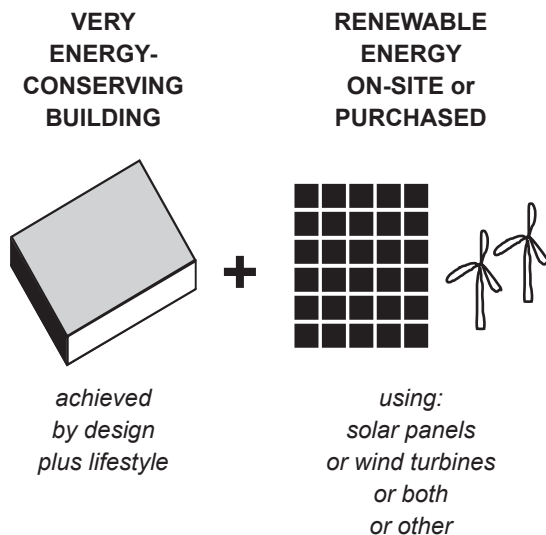


Figure ES.03
The general concept of Net Zero applied to energy use and GHG emissions in a building

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Net Zero Energy can be reached at any level of EUI, the higher the EUI, the larger the space needed to construct the power plant. Costs naturally increase or decrease in proportion to the size of the equipment. In the rare places where we have seen Net Zero Energy achieved to date, there has been either a driving research interest or concerns about the local energy supply. Given that Ontario's electricity grid is largely free of greenhouse gas (GHG) emissions, we see no compelling environmental reason for the TCDSB to prefer Net Zero Energy to the alternate definitions of Net Zero, at this time.

2

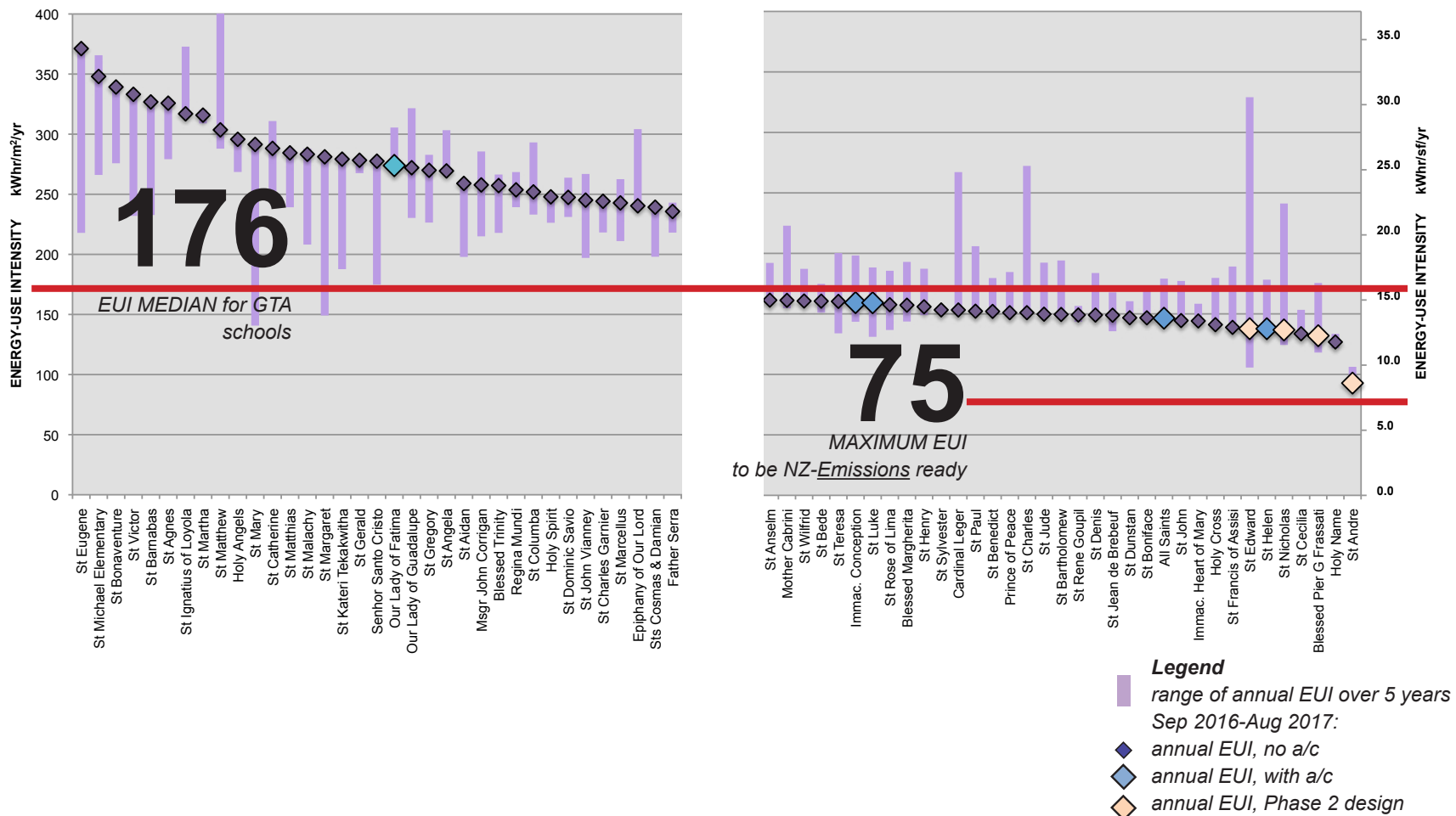
In a **Net Zero Emissions** building, some of the energy the users consume is balanced by renewable energy – which is either generated on the site, or purchased from someone who runs an off-site renewable energy plant. How much offsetting renewable energy is needed depends on how much GHG-emitting energy is used. Since space heating has proven the most GHG-emitting user of energy, every effort is made to keep the heat in and deliver supplementary heat with utmost efficiency, while conserving in all other areas as well. From the limited evidence we have so far, it appears that Net Zero Emissions schools operate with an overall EUI in the range of 40-95 kWhr/m²/yr (perhaps higher). In some of the cases where space heating is powered electrically (which is relatively costly to install and operate), renewable energy offsets as little as 5-10% of the overall energy usage.

A **Net Zero Emissions ready** building is similar in almost every respect to a Net Zero Emissions building – except it does not incorporate a power plant to generate electricity on site on opening day. The agency that constructs it has a plan to achieve balance in the future in one of two ways: to physically install electricity generation equipment (such as solar panels) on site, or to buy “clean” energy, generated off-site, from a larger-scale generator. The option remains open – to build or buy, or to combine building and buying – at such time as funding becomes available and a cost-benefit analysis is deemed acceptable.

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Figure ES.04

Energy use in TCDSB elementary schools at the high (left) and low (right) ends of the EUI spectrum (excerpts from Part 1 of the Conserve First report)



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The TCDSB is, in a way, “starting with a handicap”. As Figure ES.04 (left) shows, many TCDSB schools operate well above the GTA median for schools. Meanwhile, as Figure ES.04 (right) shows, very few schools operate below the benchmark.

Also, TCDSB school sites are typically in built up areas, and not large enough to contain much generating equipment. The Board must work with very constrained funding parameters. Given these challenges, Net Zero Emissions readiness is an ambitious goal.

Net Zero Emissions (rather than Net Zero Energy) would:

- focus the TCDSB’s efforts on addressing climate change, by lowering the greenhouse gas emissions associated with space heating, and
- in so doing, align the Board with the principles driving the City of Toronto’s emerging policies.

Readiness (rather than full Net Zero on opening day) would:

- avoid costs related to renewable energy generation equipment in the near term (which ran in the millions of dollars, in the cases we studied),
- help the Board focus its first-stage efforts on the all-important challenge of reducing EUI to something like 40% of today’s norm, and
- retain the option, long term, to realize Net Zero Emissions status - assuming that, during the design of new schools, plans are made to either build or buy future renewable energy capacity. (See Core Observation 7.)

The *Conserve First* report highlights alternative ways to reach toward Board-wide Net Zero Emissions readiness, in incremental steps. Core Observations 4, 5 and 6 suggest approaches that might be taken individually, but ideally should be taken in tandem.

CORE OBSERVATION

2 continued

Response requested to Core Observation 2:

Would the Board to modify the 2016 resolution to:

“move toward Net Zero Emissions readiness”.

Executive Summary

3. Net Zero as an expression of firm values

CORE OBSERVATION 3

The TCDSB has guidance that not all agencies have, in Holy Father Francis' 2015 Encyclical, *Laudato Si'*. Among other ideas expressed there, the following "starting assumptions" seem to be of particular relevance to the TCDSB's interest in Net Zero:

Response requested to Core Observation 3:

The Board's affirmation of the beliefs expressed in the 2015 *Laudato Si'* is assumed.

"What kind of world do we want to leave to those who come after us ...? ... what is at stake is our own dignity." (LS1, article 160)

"The climate is a common good, belonging to all and meant for all." (LS2, article 23)

"The gravest effects of all attacks on the environment are suffered by the poorest." (LS3, article 48)

Studying other agencies who own very-conserving buildings, we have often witnessed firmly held values at work. Focussing on the education sector, this report features:

- three institutions of higher education that teach and do research about environmental issues (*The Joyce Centre at Mohawk College, the Adam Joseph Lewis Center at Oberlin College, and Vermont Law School*),
- a municipal library that serves a community in which energy research institutes are the major employers (*Varennnes Library*),
- a school/community centre devastated by tornados and a changing economy, which found new purpose (*Greensburg-Kiowa County K-12*), and
- two schools with extra focus on environmental protection in their curricula (*Dr. David Suzuki Elementary, and Locust Trace AgriScience High*).

See Core Observation 5, for more from 2015 *Laudato Si'* to guide the way forward.

4. Technical strategies: Commitment to do more than the minimum

Net Zero Emissions readiness is technically feasible but not easy to achieve in Toronto's climate. An exceptional effort is needed to produce an exceptionally energy-efficient or Net Zero building. Committing to do "more than the minimum" would entail:

CORE OBSERVATION 4

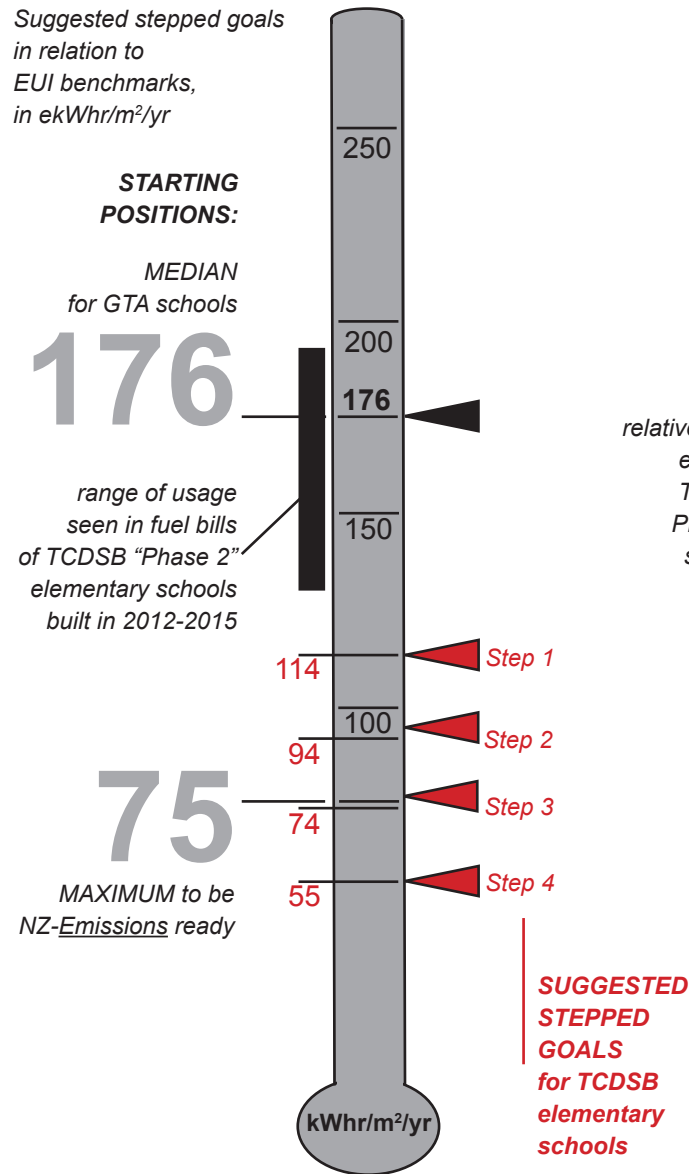
- exceeding the requirements of today's mandatory codes,
- exceeding today's "standard practice" in school construction,
- expanding the scope of renewal work to address energy-conservation,
- perhaps working with a third-party guideline (voluntarily),
- allocating additional staff time, and
- investing in additional time and expertise from consulting design professionals.

Exceeding the mandatory minimum requirements of the *Ontario Building Code (OBC)* or the *Toronto Green Standard (TGS)* by a substantial margin is a hallmark of the Net Zero schools featured as case studies in the *Conserve First* report. While these regulations have evolved in significant ways to encourage more energy conservation, they lack three critical elements that would help drive a design all the way to Net Zero.

The City of Toronto's *Zero Energy Buildings Framework (ZEB)*, picking up where the *OBC* and *TGS* leave off, describes regulations-to-come - and includes all three of these elements. The TCDSB will not (according to public documents available today) be obliged to comply with the *ZEB* - but it might elect to develop its own goals in a way that mirrors the City's "step goals" for other building types. Doing so might help the TCDSB better collaborate with the City to co-ordinate aspects of mutual benefit, such as the planning of district energy zones or renewable energy generation sites.

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Figure ES.05
Suggested stepped goals
in relation to
EUI benchmarks,
in kWhr/m²/yr



relative to an existing TCDSB Phase 2 school:

TCDSB Stepped Goals - for NEW elementary schools			
Step 1	Step 2	Step 3	Step 4
must v3 T1 EUI 114, TEDI 64	n/a	n/a	n/a
83%			
may v3 T2 EUI 94, TEDI 54	must v4 T1 EUI 94, TEDI 54	n/a	n/a
68%			
may v3 T3 EUI 74, TEDI 45	may v4 T2 EUI 74, TEDI 45	must v5 T1 EUI 74, TEDI 45	n/a
54%			
may v3 T4 EUI 55, TEDI 35	may v4 T3 EUI 55, TEDI 35	may v5 T2 EUI 55, TEDI 35	must v6 T1 EUI 55, TEDI 35
40%			

Note: "v3 T1" refers to Toronto Green Standard (TGS) version 3, Tier 1, which is now mandatory for all building types, including schools. Compliance with Tiers 2-4 is voluntary.

Neither the TGS nor Toronto's ZEB Framework stipulates EUI or TEDI targets for schools; the figures here are tabled for the consideration of the TCDSB, and have been developed based on assumptions, which are described in Part 2 of the Conserve First report

Executive Summary

Figure ES.05 suggests how the City's *ZEB Framework* might be filled with goals for new TCDSB schools. All figures are preliminary, and may be subject to later refinement - but this illustrates an approach in which goals are "stepped" to be increasingly demanding, over time. The City of Toronto's *Framework* demands that a step be taken every four years (with Step 4 in 2030), but the TCDSB might elect to take its steps at another interval. At each step, yesterday's least ambitious EUI goal drops out of the framework. Core Observation 8, "Focus on heating" suggests that every EUI goal be accompanied by a goal to limit Thermal Energy Demand Intensity, or TEDI.

CORE OBSERVATION 4 continued

Exceeding today's standard of practice is another hallmark of the Net Zero case study school designs. When design and construction quality control measures were compared, using a 24-point diagnostic, the Net Zero case studies (as a group) employed 20 strategies regularly. Each individual Net Zero school used at least 14 of the strategies in its design. The selection and arrangement of components and measurement of air tightness of the whole building exceeded those in what are considered the finest of the GTA's current schools. Both a high-performance enclosure (roof, exterior walls, windows and floors), and ultra-efficient heating and cooling equipment were always used. In short, there is no "magic bullet" design tactic which alone can leverage a Net Zero result.

Expanding the scope of renewal work to address energy conservation will be one of the most challenging - yet one of the essential - initiatives on the road to Net Zero. As Figure ES.04 shows (in Core Observation 2), there is much to be gained by conserving in the 130+ TCDSB schools that today operate at a very high-EUI. Annual operating costs may be saved and greenhouse gas emissions may be eliminated where both are currently running high. If stepped goals are to be confirmed for new TCDSB schools, then ambitious energy-conservation goals for renewal projects should also be developed. The challenge will be to find a reasonable goal for each individual school to be renewed - depending on its design, and its future life expectancy (as determined by many other factors).

Executive Summary

CORE OBSERVATION 4 continued

Voluntary compliance to guidelines that exceed today's minimum regulations might help the TCDSB hone its short- and mid-term goals and inform the design of a Net Zero school. Among nine alternatives, the *Conserve First* report identifies some with good potential to be adopted now, as-is, and others that have potential to be tailored to the TCDSB's needs, including:

- EUI targets, air tightness testing & feedback loops,
- Passive House certification (by external or newly trained staff),
- step goals for new school designs,
- step goals for all schools, using an approach similar to REALPac's 20 by '15 (a successful program formerly run by owners of commercial buildings),
- a transition plan for heating systems in new designs (described by the CaG-BC), or
- an internal "Road to Net Zero" Challenge Award program.

Response requested to Core Observation 4:

Will the Board support:

a - further development of step goals followed by an exploratory conversation with the City of Toronto Planning Department about ways to work together to realize the interest shared by the TCDSB in conservation,

b - development of an energy-conservation target for every school to be renewed, and

c - further evaluation of selected voluntary guidelines for their suitability to a TCDSB project (e.g. Passive House Canada or a re-tailored version of REALPac's 20 by 15).

Finally, doing "more than the minimum" naturally implies investing more time and attention to the myriad choices that are made when designing a school, whether it will be new or is being renewed. Additional staff time will be required to measure progress, share information and reflect lessons learned from one project to the next. Additional consulting time (and fees) will be required to evaluate alternative components, assemblies, and systems, predict the energy-conservation impact of various combinations of alternates, document and communicate requirements to the builders, and monitor air tightness tests.

5. Human factors are as important as technical strategies

Effective environmental stewardship requires technical expertise, but that alone is insufficient to achieve and sustain it. Where Net Zero has been realized, success has been the product of the sustained efforts of a host of people over a period of years, even decades. These truths have surfaced repeatedly during our research.

Ontario's most energy-conserving school boards cite a "conservation culture" as critical to the successes they have enjoyed so far. Its elements are:

- a substantive commitment from Trustees, Directors, and staff for 15 years or more ("substantive" entails time and money),
- the engagement of teachers and students,
- the training of building operations staff,
- the optimization of retrofits as well as new buildings, and
- non-stop benchmarking (feedback loops about what worked and what didn't).

The Net Zero schools featured in the *Conserve First* report were all made in a different process environment than the one that typically surrounds projects in the GTA today. Figures ES.06 and ES.07 show two examples. The important human factors included:

- engagement of staff and students in conservation - during all project stages,
- very careful monitoring and analysis of energy use (in real time) and comparison to benchmarks established during design,
- training of operations and maintenance staff throughout the entire process of design, construction and occupancy, and
- external partners - agencies of the city, province/state and federal governments, local utilities or research institutes - in combinations unique to each project.

CORE OBSERVATION 5

Holy Father Francis' new notion of growth:

*"learning to live wisely,
to think deeply and
to love generously."*

Executive Summary

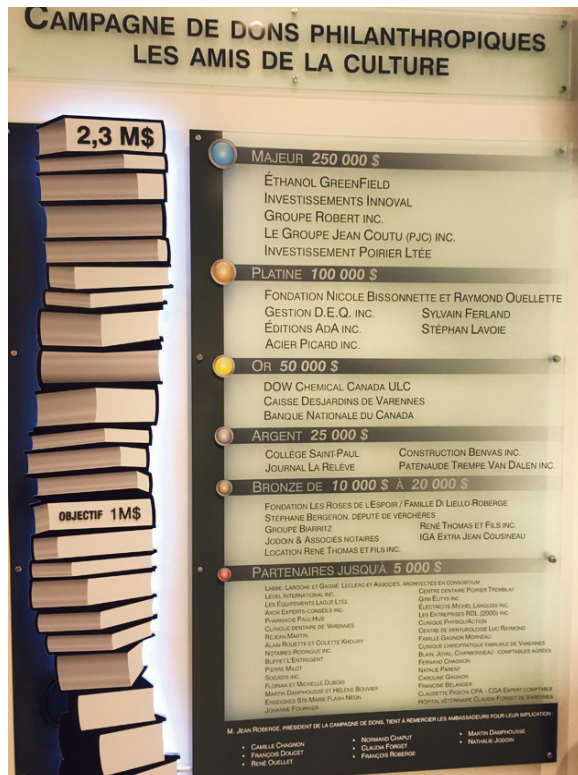


Figure ES.06
Varenes Library, near Montréal - a product of many community partnerships and a high level of staff engagement - characterizes Net Zero buildings.

Take a tour online (with french narration) at:
<https://ici.radio-canada.ca/tele/decouverte/2015-2016/segments/reportage/3145/edifice-net-zero>



Figure ES.07
Grade 5 students help University of Kansas President understand energy use in their school (Photo warrencountyschools.org)

Watch a video at:
<https://vimeo.com/156705254>

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The acknowledgement of the importance of human factors is consistent with ideas expressed in the 2015 *Laudato Si'*, in which the climate is valued as a common good, climate change seen as a global problem with grave implications, and the environment is defined as a set of relationships, not a mere physical setting. Three guiding principles found in the 2015 *Laudato Si'* (labelled GP) seem to have particular relevance to the TCDSB's interest in Net Zero, namely:

- cautions against partial solutions (that is, those that are purely technical), in favour of projects which invest in both natural systems and people (GP1),
- cautions against harmful habits (of consumption), in favour of a new notion of growth (GP2), and
- cautions against a “superficial ecology”, in favour of the poor (GP3).

All of the above also applies to efforts the TCDSB might make to reach an interim energy-conservation goal, such as an elementary school at 80 to 100 kWh/m²/yr (the level that the *Conserve First* report labels as “exemplary”).

All evidence suggests that it is essential for any building project to which an energy-conservation goal is introduced (new or retrofit) to incorporate the elements listed above. We suggest the following New Directions as first steps:

- Encourage experienced EcoSchools to realize measurable effects. (ND9)
- Keep everyone aware of energy conservation all year. (ND10)
- (Perhaps) Use the existing framework of wards to stimulate energy-conservation initiatives. (ND6)

CORE OBSERVATION 5 continued

Response requested to Core Observation 5:

Whether the goal is Net Zero or “exemplary” energy conservation, will the Board commit to:

- a - Help develop a “conservation culture”, including all elements identified by Ontario’s most energy-conserving school boards
- b - Reflect on the three guiding principles from the 2015 *Laudato Si'* (identified here) to identify areas for improvement within TCDSB projects, and
- c - Support the active pursuit of one, two or all of New Directions ND6, ND9 and ND10 within the next 1-5 years.

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Figure ES.08
Energy
Conservation
Capital Fund

If TCDSB runs new schools at 176 EUI		Savings/Premiums Year over Year New GFA vs Vacated GFA										Total
	0%	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	
Utility Escalation excluded	0%											
1 St Andre Catholic School (2019)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2 St Raymond/ St Bruno		\$57,388	\$57,388	\$57,388	\$57,388	\$57,388	\$57,388	\$57,388	\$57,388	\$57,388	\$57,388	\$573,875
3 St Leo			-\$5,991	-\$5,991	-\$5,991	-\$5,991	-\$5,991	-\$5,991	-\$5,991	-\$5,991	-\$5,991	-\$53,922
4 St Matthias/Our Lady Guada/+1				\$9,552	\$9,552	\$9,552	\$9,552	\$9,552	\$9,552	\$9,552	\$9,552	\$76,413
5 St Antoine Daniel/+1					-\$1,953	-\$1,953	-\$1,953	-\$1,953	-\$1,953	-\$1,953	-\$1,953	-\$13,673
6 Holy Angels/+1						-\$9,025	-\$9,025	-\$9,025	-\$9,025	-\$9,025	-\$9,025	-\$54,148
Accumulated Savings		\$57,388	\$108,784	\$169,732	\$228,726	\$278,696	\$328,666	\$378,636	\$428,606	\$478,576	\$528,546	\$528,546

A If TCDSB runs new schools at 130 EUI		Savings Year over Year (130 EUI vs 176EUI)										Total
	0%	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	
Utility Escalation excluded	0%											
1 St Andre		\$11,198	\$11,198	\$11,198	\$11,198	\$11,198	\$11,198	\$11,198	\$11,198	\$11,198	\$11,198	\$111,982
2 St Raymond/ St Bruno			\$9,977	\$9,977	\$9,977	\$9,977	\$9,977	\$9,977	\$9,977	\$9,977	\$9,977	\$89,789
3 St Leo			\$12,701	\$12,701	\$12,701	\$12,701	\$12,701	\$12,701	\$12,701	\$12,701	\$12,701	\$114,305
4 St Matthias/Our Lady Guada/+1				\$14,002	\$14,002	\$14,002	\$14,002	\$14,002	\$14,002	\$14,002	\$14,002	\$112,016
5 St Antoine Daniel/+1					\$13,823	\$13,823	\$13,823	\$13,823	\$13,823	\$13,823	\$13,823	\$96,764
6 Holy Angels/+1						\$15,915	\$15,915	\$15,915	\$15,915	\$15,915	\$15,915	\$95,488
Accumulated Savings		\$11,198	\$45,073	\$92,951	\$154,651	\$232,267	\$309,882	\$387,497	\$465,113	\$542,728	\$620,343	\$620,343

B If TCDSB runs new schools at 100 EUI		Savings Year over Year (100 EUI vs 176EUI)										Total
	0%	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	
Utility Escalation excluded	0%											
1 St Andre		\$16,962	\$16,962	\$16,962	\$16,962	\$16,962	\$16,962	\$16,962	\$16,962	\$16,962	\$16,962	\$169,622
2 St Raymond/ St Bruno			\$15,112	\$15,112	\$15,112	\$15,112	\$15,112	\$15,112	\$15,112	\$15,112	\$15,112	\$136,007
3 St Leo			\$19,238	\$19,238	\$19,238	\$19,238	\$19,238	\$19,238	\$19,238	\$19,238	\$19,238	\$173,138
4 St Matthias/Our Lady Guada/+1				\$20,250	\$20,250	\$20,250	\$20,250	\$20,250	\$20,250	\$20,250	\$20,250	\$162,004
5 St Antoine Daniel/+1					\$19,992	\$19,992	\$19,992	\$19,992	\$19,992	\$19,992	\$19,992	\$139,943
6 Holy Angels/+1						\$23,016	\$23,016	\$23,016	\$23,016	\$23,016	\$23,016	\$138,096
Accumulated Savings		\$16,962	\$68,274	\$139,836	\$231,390	\$345,960	\$460,530	\$575,100	\$689,670	\$804,240	\$918,810	\$918,810

C If TCDSB runs new schools at 75 EUI		Savings Year over Year (75 EUI vs 176EUI)										Total
	0%	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	
Utility Escalation excluded	0%											
1 St Andre		\$25,056	\$25,056	\$25,056	\$25,056	\$25,056	\$25,056	\$25,056	\$25,056	\$25,056	\$25,056	\$250,558
2 St Raymond/ St Bruno			\$22,322	\$22,322	\$22,322	\$22,322	\$22,322	\$22,322	\$22,322	\$22,322	\$22,322	\$200,902
3 St Leo			\$28,416	\$28,416	\$28,416	\$28,416	\$28,416	\$28,416	\$28,416	\$28,416	\$28,416	\$255,748
4 St Matthias/Our Lady Guada/+1				\$31,331	\$31,331	\$31,331	\$31,331	\$31,331	\$31,331	\$31,331	\$31,331	\$250,645
5 St Antoine Daniel/+1					\$30,930	\$30,930	\$30,930	\$30,930	\$30,930	\$30,930	\$30,930	\$216,509
6 Holy Angels/+1						\$35,609	\$35,609	\$35,609	\$35,609	\$35,609	\$35,609	\$213,652
Accumulated Savings		\$25,056	\$100,850	\$207,976	\$346,031	\$519,695	\$693,358	\$867,022	\$1,040,686	\$1,214,350	\$1,388,013	\$1,388,013

6. Responding to the financial challenge

The GTA's construction context is full of challenges for those who would try to improve energy conservation and reduce GHG emissions in buildings. Overall construction activity is as intense as anywhere in North America, which tends to inflate costs. The pressure to work quickly argues against making changes to established procedures. A dire lack of skilled trades is reported in the popular press. Because of these challenges - and the fact that the capital cost of the Net Zero case studies exceeded the 2018 Ministry of Education funding allocation by roughly 50% to 130% - the *Conserve First* report tried to imagine what a stepped approach to financing the journey to Net Zero might involve.

First, professional cost consultants estimate that upgrades to the building skin (to mimic the Net Zero case studies) would add in the order of at least 10%-12% to the capital cost of a 50,000 sf elementary school, bid in the fall of 2019. Upgrades to heating systems would be over and above these amounts. This has the potential to reduce the EUI of the school by roughly 15-25% (assuming construction-phase quality control procedures optimize the potential performance of the design). Given today's utility rates, to realize a full return on such an investment would take in the order of at least 25 years.

Next, we wondered how long it might take to save enough in fuel costs to be able to afford the cost premium to upgrade the building skin. Figure ES.08 shows the potential for the TCDSB to accrue funds from energy conservation during the next ten years, should it be able to monitor its savings and earmark funds not spent on utilities - in an "Energy Conservation Capital Fund". It seems six buildings operating for roughly 7 years may pay for building skin upgrades at one building, depending on how much the EUI is reduced. This is a very preliminary exploration, to get a sense of the orders of magnitude involved. If the concept of earmarking operating savings to top up capital funds for new construction is realizable, then the inputs and results could be refined.

CORE OBSERVATION 6

Response requested to Core Observation 6:
Will the Board ...

a - endorse an investment of 10% over the 2018 Ministry of Education funding formula, in a new school project during the next five years,

and

b - support further exploration of the mechanisms needed to create an Energy Conservation Capital Fund.

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7. Defer renewable energy generation until usage is reduced

CORE OBSERVATION 7

Were it to embark on widespread development of power plants on school sites (to generate renewable energy from wind, solar or another source) - without changing its current patterns of use - there are at least three significant challenges that would face the TCDSB.

Response requested to Core Observation 7:

Will the Board defer the installation of equipment to generate renewable energy for at least the next 5-10 years in order to focus its efforts on energy conservation?

First, very few of the TCDSB's sites are large enough to accommodate the equipment to balance the current rate at which GHG-emitting natural gas is consumed for space heating. Lowering the rate of consumption would mean that less power generation equipment would be needed to achieve balance. One of the principal reasons why Net Zero schools operate below 75 kWhr/m²/yr (and many convert to all-electric heating systems) is to make it practical to build renewable energy generation equipment on site.

Next, looking at the whole portfolio (of roughly 200 schools), balancing the TCDSB's current rate of consumption with renewables would require a utility-scale power plant, and many hundreds of hectares of land. We imagine that the TCDSB's 2016 resolution did not anticipate entry into the electricity utility business.

Finally, a technical question is emerging about the readiness of the Ontario electricity grid for widespread generation of power from a large number of dispersed sites. This question is unanswerable at the present time, but does appear to be driving limitations in even the most advanced Net Zero standards on how much independently-generated power can be uploaded into the grid from a single site.

Once the TCDSB has several schools operating at an exemplary level (100 kWhr/m²/yr), consistently from year to year, its need for renewable energy will be much easier to estimate accurately. We think this will help it to choose wisely - where, when and how much renewable energy to generate or purchase.

8. Focus on heating

To achieve an exemplary or Net Zero ready level of EUI, it is essential to reduce the largest energy-consuming function - space heating. Energy use for heating represents more than 60% of all energy use in TCDSB schools. In nearly all TCDSB schools, at present, heating alone demands more than the maximum energy budget would be in a Net Zero school for all functions (such ventilation, lighting, cooling, plug-in equipment).

The advanced guidelines for Net Zero design all demand that a maximum budget be allocated for space heating energy, within the overall energy budget for a building. This is called TEDI (Thermal Energy Demand Intensity), and is referenced in the City of Toronto's *Zero Emissions Buildings Framework*, the CaGBC's *Zero Carbon Building Standard* and *Passive House Canada's* guidelines.

As for cooling, air-conditioned TCDSB schools today use noticeably more electricity than their non-air-conditioned counterparts. However, cooling has been achieved at schools with an otherwise very low overall EUI. Cooling remains a concern because the number of days requiring cooling in Toronto is predicted to increase, over the long term future.

A change of course, toward Net Zero, for the TCDSB would, therefore involve:

- explicit goals for the reduction of heating energy (TEDI) alongside goals for overall energy use (EUI) (ND7), and
- further design input to determine the most energy-efficient means to achieve comfort in schools on hot and humid Toronto days (ND8).

CORE OBSERVATION 8

Response requested to Core Observation 8:

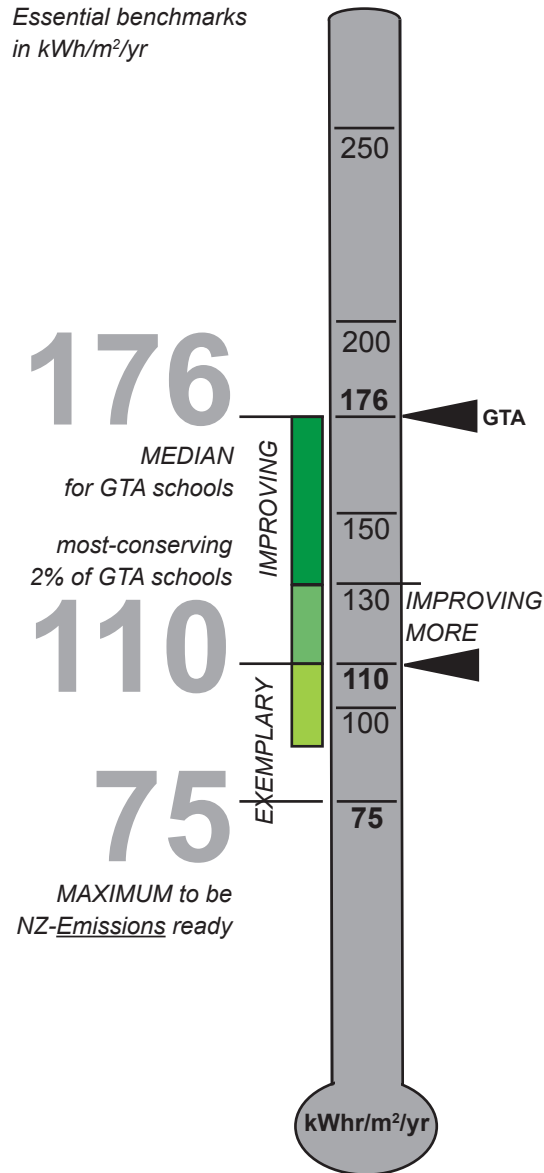
Will the Board ...

a-endorse the adoption of an “energy budget” approach for space heating energy (TEDI) and for overall energy use intensity (EUI), and

b-support a continuing search for design options with respect to cooling systems.

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Figure ES.09
Essential benchmarks
in kWh/m²/yr



9. Help everyone continue to learn about what drives energy use

As both the target and actual EUI figures for TCDSB schools become known - to students, parents, teachers, staff, consulting architects and engineers, and trustees - everyone will be acquiring the foundation of energy literacy. The person who compares real-life numbers from the fuel bills of his or her school to the benchmarks in Figure ES.09 learns whether the school is “improving” (relative to the GTA median school), “improving more” (than other schools) or “exemplary” (in the top 2% of GTA schools).^{*} This creation of meaning in context is an essential to making the daily decisions necessary to achieve an “exemplary” level of conservation or to reaching toward Net Zero.

To build on the literacy foundation described above, certain commonly-held perceptions may need to be unlearned. The degree to which a TCDSB building’s age, size, and location influence energy use intensity have been clarified by the benchmarking exercise in the *Conserve First* report.

First, age of building does not seem to matter. There has been no consistent trajectory, over time, towards energy conservation. While today’s Ontario Building Code and Toronto Green Standard demand energy-conservation measures be incorporated in every design, they stop short of demanding that buildings in fact reach verifiable levels of energy use intensity. Also, energy use for equipment is on the rise. Therefore, newer schools in the TCDSB portfolio are not necessarily more energy-conserving than older schools. (The oldest 16 schools in the TCDSB portfolio operate at roughly 200 kWh/m²/yr, while the newest 16 operate at roughly 187 kWh/m²/yr. Even the six elementary schools constructed between 2012 and 2015 exhibit a notable range of energy use intensity, or EUI). We expect this is due to a combination of design and lifestyle factors. For designers and

^{*}The top 2% represented here was established by the data for the school year that ended in August 2015. It will change with the passing of time; in what direction and how much should be analyzed in the future.

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occupants alike, this fact may serve as a caution against “*complacency and cheerful recklessness*”, to use the words in the 2015 *Laudato Si*’.

The overall size (floor area) of a building does matter - in elementary schools - even when designing to meet today’s advancing codes. Secondary schools are more consistent than elementary schools in both EUI and in size. Smaller elementary schools in the TCDSB portfolio tend to have a relatively high EUI, which also varies more, year-to-year, than the EUI of their larger counterparts.

Location does not seem to matter. No ward can lay claim to significantly better performance than another. While some wards use both more gas and more electricity per unit of floor area than others, every ward has schools that conserve and schools that consume much more than others.

To help change course, we suggest:

- Analysis of design components and testing of the air tightness of the building enclosures of the most and least energy-intense schools (we think a more significant factor than building age). (ND4)
- Development of special (more stringent) building-enclosure standards for both the renewal and new construction of schools with a floor area of less than 30,000 sf - to help keep the heat in. (ND5)
- A Pilot program in one or two select wards to determine how much conservation can be effected when students and teachers work together (aided by environmental education programmers as well as operations and facilities services staff) toward explicit EUI goals. (ND6)

CORE OBSERVATION 9 continued

Response requested to Core Observation 9:

Will the Board endorse one, two or all of initiatives ND4, ND5 and ND6?

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10. Further study

CORE OBSERVATION 10

Several new questions surfaced during the research. The following lie outside the consulting mandate that commissioned the *Conserve First* report, but are suggested for consideration by the TCDSB, as it moves forward. They are listed in descending order of priority and are more thoroughly described in Part 1 of the report.

*Response requested
to Core Observation 10:*

Will the Board endorse one, two or all of the further studies AQ1.1, AQ1.2, AQ1.3, AQ1.4 and/or AQ1.5?

Why do the Phase 2 schools perform so differently? (AQ1.1)

- method: air-tightness tests in all six schools, plus follow-up analysis
- outcome: prioritize quality-control measures in new schools

What is the EUI and TEDI of each Ward per student? (AQ1.2)

- method: more detailed calculations, taking student population into account
- outcome: local targets for any Ward embarking on a Pilot program

Compare the 20 highest-EUI and 20 lowest-EUI elementary schools. (AQ1.3)

- method: review of designs, using the 24 diagnostic points used in Part 4
- outcome: identify productive opportunities to upgrade the building skin

Where are the highest-potential opportunities to test the concept of Net Zero Emissions readiness? (AQ1.4)

- method: planning exercise, involving mapping of various factors
- outcome: identify school sites that have a concentration of factors

Why do many of the air-conditioned elementary schools seem to use less gas for heating than their non-air-conditioned counterparts? (AQ1.5)

- method: field visits, review of documents, query staff
- outcome: predict the impact on EUI of introducing air-conditioning

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Contained in the *Conserve First* report

The Introduction, “What would “Net Zero” mean for the TCDSB?” defines:

- Net Zero Emissions readiness
- Energy Use Intensity (EUI) and
- Thermal Energy Demand Intensity (TEDI).

Parts 1 through 5 then each contain a single introductory page (which describes the theme of the material to come) and a chapter summary (which tables observations, options and recommendations). Some readers may choose to focus on just the introductory and summary pages within each Part. Illustrations and detailed analysis will be found in the body of each Part.

Part 1, “Starting Position and Guiding Principles” benchmarks the school buildings in the TCDSB’s portfolio and analyzes factors that are influencing energy use in them. The analysis suggested 12 New Directions that are critical to the pursuit of either Net Zero or an exemplary level of energy conservation, (beginning with those already identified in Core Observation 1):

- Lower the EUI in all schools in the whole portfolio. (ND1)
- Narrow the overall range of EUI in the portfolio. (ND2)
- Gain far greater control of energy use, across the portfolio. (ND3)

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- Verify whether heat loss through the building enclosure is the main reason why some schools use so much more energy for heating than others. (ND4)
- Develop specific solutions for small elementary schools. (ND5)
- Use the existing framework of wards to stimulate energy-conservation initiatives. (ND6)
- Set TEDI (heating energy) goals as well as EUI (overall energy use) goals. (ND7)
- Challenge designers to find the most energy-efficient means of cooling. (ND8)
- Encourage experienced EcoSchools to realize measurable effects. (ND9)
- Keep everyone aware of energy conservation all year. (ND10)
- Lower the EUI and TEDI of the median (middle-of-the-pack) TCDSB school. (ND11)
- Couple a normal rate of replacement with an aggressive approach to renewal. Sustain both programs for the next 30 years. (ND12)

Part 1 makes the following observations about renewable energy:

- For a school to balance its annual usage by generating power on site, it must consume much less energy than is typical today. (R1)

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- R2 Building (or buying) renewable energy costs less when energy is conserved first. (R2)
- R3 The Ontario electricity grid may not yet be ready for widespread two-way traffic. (R3)

Part 1 also discusses the reasons why some items are suggested for Further Study (listed above under Core Observation 10).

Finally, Part 1 contains a slightly extended discussion of the three guiding principles taken from the 2015 *Laudato Si'* (listed above in Core Observation 5), namely:

- Cautions against partial solutions, in favour of an “integral ecology” (GP1),
- Cautions against harmful habits, in favour of a new notion of growth (GP2), and
- Cautions against a “superficial ecology”, in favour of the poor (GP3).

Part 2, “Regulations, Standards, and Conservation culture” looks at the extent to which local laws encourage energy conservation in buildings, and at the potential in elective guidelines to realize Net Zero buildings. Also, it summarizes how some school boards in Ontario have made it onto the “ten most energy-conserving” list. Part 2 observes:

- Merely meeting today’s regulations will not create Net Zero ready schools. (2.1)

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- Tomorrow's regulations may result in buildings that approach Net Zero readiness. (2.2)
- Selected strategies from voluntary programs may help the TCDSB progress. (2.3)
- A “conservation culture” is essential. (2.4)

Part 2 tables a number of options for the TCDSB to consider, as it develops future programs in detail. Listed in no implied order, these include:

Option A. Comply with all elements of the Toronto Green Standard, version 3, Tier 2 (as City of Toronto buildings are committed to do).

Option B. Apply new protocols to capital (and perhaps renewal) projects, including EUI targets, quality control and feedback loops.

Option C. Develop step goals (EUI and TEDI targets) to mirror the City of Toronto's *Zero Emissions Buildings Framework* (see Core Observation 4), and discuss with City Planning how else to work together (e.g. negotiate relief from project constraints, share plans for district energy zones, share in the development of criteria for procurement of renewably-generated electricity).

Option D. Certify a new school under the CaGBC's *Zero Carbon Buildings Standard*.

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Option E. Commission, as part of the initial design of a new school, a transition plan to switch heating systems to non-GHG emitting sources after the service life of gas-fired systems is over.

Option F. Establish step goals for every building in the portfolio, in the manner of REALPac’s “20 by ‘15” program.

Option G. Develop an internal “Net Zero Challenge” to celebrate each year’s most energy-conserving schools (using the evidence of fuel bills).

Option H. Apply Passive House Canada criteria to the design and construction of a new elementary school.

The summary to Part 2 indicates that Options B and H have good potential and are immediately adoptable, and that Options C, E, F and G also offer good potential, but would need to be tailored to the TCDSB’s needs. We recommend all of these options be carefully considered further by the TCDSB, as it develops its programs in detail.

Part 3, “Cold-climate “Net Zero” schools: the few and the new” features eight Net Zero case studies. It looks at the motivations behind the projects, and at partnerships that made the projects possible.

The designs are immensely inspiring, because they address a range of social issues while also achieving an exemplary level of energy-conservation. However, the case studies also highlight hurdles that had to be faced before and long after construction. We strongly urge the TCDSB to dispatch representatives to visit the case study buildings in person, to talk with people who occupy or were directly involved in these projects.

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As preparation for such visits, Part 3 makes the following observations:

- Net Zero schools are, so far, very rare. (3.1)
- The TCDSB operates in a very challenging construction context. (3.2)
- Technical expertise is essential, but insufficient on its own. (3.3)
- Ideas expressed in the 2015 *Laudato Si'* are evident in Net Zero schools. (3.4)

Part 4, “An array of design strategies” continues a comparison of the case studies featured in Part 3, in a way we hope will serve as a technical reference for Facilities Services staff, as they guide future projects.

This part of the research shows that there is no “magic bullet” to guarantee that a design will reach Net Zero readiness. Part 4 observes:

- Each cold-climate Net Zero design makes use of at least 14 strategies. (4.1)
- Strategies of three types are all used - including the selection of components, arrangements in the design and construction quality control procedures. (4.2)
- Both enclosure and equipment are high performance in Net Zero design. (4.3)
- Net Zero designs arrange high-performance components carefully. (4.4)
- Net Zero designs involve pro-active airtightness testing. (4.5)

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Part 5, “Financing the transition toward Net Zero readiness” looks at the potential relationship between capital cost premiums and operating cost savings in a Net Zero school. It demonstrates as follows:

- The capital cost of the Net Zero case studies ranged from 50% to 130% more than the 2018 Ministry of Education funding allocation. (5.2)
- To add only the enclosure upgrades seen in the Net Zero case studies (setting aside changes to indoor climate control systems and construction of renewable energy generation equipment) would add in the order of at least 10%-12% to the cost of a typical recent TCDSB design, perhaps more. (5.3)
- The payback on item 5.2 from operating cost savings would likely be in the order of magnitude of at least 25 years. (5.3)
- An Energy Conservation Capital Fund, should it be possible to create one, may have the potential to generate the funds to upgrade the building skin of a limited number of new schools. (5.4)

We hope the *Conserve First* report helps readers better visualize the contours of the road ahead. The journey toward Net Zero will demand that careful choices, small and large, be made by many participants, over a period of decades, toward a shared goal. We hope that the specific initiatives the research has identified will prove useful, as the TCDSB moves into its next phase.



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REPORT TO

CORPORATE SERVICES, STRATEGIC PLANNING AND PROPERTY COMMITTEE

STUDENT INFORMATION SYSTEM (SIS) PROJECT UPDATE

"For surely I know the plans I have for you, says the Lord, plans for your welfare and not for harm, to give you a future with hope." Jeremiah 29:1

Created, Draft

August 26, 2019

First Tabling

September 12, 2019

Review

[Click here to enter a date.](#)

Steve Camacho, Chief Information Officer

INFORMATION REPORT

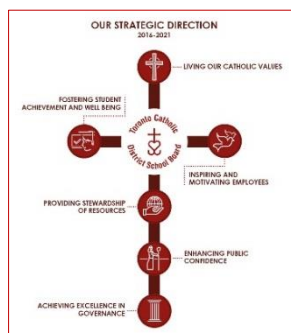
Vision:

At Toronto Catholic we transform the world through witness, faith, innovation and action.

Mission:

The Toronto Catholic District School Board is an inclusive learning community uniting home, parish and school and rooted in the love of Christ.

We educate students to grow in grace and knowledge to lead lives of faith, hope and charity.



Rory McGuckin
Director of Education

D. Koenig
Associate Director
of Academic Affairs

L. Noronha
Associate Director of Facilities,
Business and Community
Development, and
Chief Financial Officer

A. EXECUTIVE SUMMARY

A Student Information System (SIS) is mission-critical organization wide system that stores and manages all student records for current and past students. Beyond managing student records, the SIS is critical for to the TCDSB as a data source for funding and for staffing. The TCDSB currently uses an older (legacy) Student Information System called Trillium, which it has operated since 2001.

In 2016, PowerSchool, a large SIS vendor, purchased the Trillium SIS business in Ontario and subsequently announced that it will no longer add new functionality to Trillium; PowerSchool indicated that they would like to see school boards “upgrade” to the PowerSchool SIS, their core SIS product.

In response to Trillium’s uncertain future, several school boards participated in a RFP issued by Ontario Education Collaborative Marketplace (OECM) on behalf of all school boards in Ontario for a new SIS. In January 2019, OECM announced the winning Bidder as the joint bid from Fujitsu and Follett using the Aspen SIS software. Four bidders responded to the RFP, including PowerSchool.

The OECM award to Fujitsu/Follett does not force the TCDSB to implement the Aspen SIS. The TCDSB needs to sign a sub-agreement known as Client Services Agreement (CSA) to take advantage of the overall agreement completed by OECM. TCDSB staff have met with both Powerschool and Fujitsu/Follet in order to ensure that the TCDSB accepts the offer with the best overall value to the TCDSB within established procurement rules.

Although the implementation of a new modern SIS has many benefits, the implementation work is typically among the most complex IT projects an organization can undertake because it affects many core business processes. To manage such a large and complex IT project, the TCDSB will need to form a dedicated project team that will include experienced staff and administrators from within the TCDSB ranks as well as experts from the vendor team.

The project costs and schedule are not yet known, however, staff estimate the project will take between 3 to 4 years and cost between \$10M to \$15M to implement.

Staff anticipate that a final contract, project budget, funding plan, and high-level schedule will be ready for Board review and approval by December 2019.

The cumulative staff time required to prepare this report was 15 hours

B. PURPOSE

1. The purpose of this report is to provide the Board with background information on the TCDSB's use of the student information system and work completed so far to select a new SIS. The report also provides updated estimates to trustees on the most critical aspects of a future SIS project.

C. BACKGROUND

1. A Student Information System (SIS) is a mission-critical organization wide system that stores and manages all student records for current and past students. The SIS is often the "source of truth" for student information and holds a significant amount of key information such as student demographic data, grades, transcripts, parent information, attendance, and medical information just to name a few.
2. The SIS is critical to the TCDSB for funding because the information within it is used to gather enrolment totals, class sizes, and other information. This information is also sent regularly to the Ministry of Education to calculate the total amount of Grants for Student Needs (GSNs) that the TCDSB will receive in any given year.
3. Because the SIS holds classroom data, it is also used as a key data source to calculate staffing allocations. The data from the SIS is used to calculate staffing levels for student facing position such as teachers, Early Childhood Educators, Educational Assistants, and other similar groups, which in turn account for most of the TCDSB's daily operating costs.
4. The TCDSB currently uses an older (legacy) Student Information System called Trillium. The Trillium SIS is also used by approximately 44 schools boards across the province of Ontario including the TDSB. The software is not used in any other province or state.
5. The Trillium software was originally developed by the Ministry in partnership with school boards in the late 1990s. The government and schools boards in 1996 abandoned the Trillium product development and subsequently sold the unfinished product to an independent software development firm called SRB.

6. SRB developed Trillium into a viable product and subsequently licenced the product back to school boards in the early 2000s. TCDSB implemented Trillium around 2001.
7. SRB continued to develop and maintain Trillium until 2016, when Trillium was purchased by PowerSchool. PowerSchool is a large private firm that specializes in Student Information Systems among other products. The core product, the PowerSchool SIS, is installed in many schools across North America.
8. In 2017 PowerSchool announced that it will no longer be adding new functionality to Trillium; However, they would continue to support security and Ministry reporting compliance updates for the near future. PowerSchool, also indicated that they would like to see school boards “upgrade” to the PowerSchool SIS over time.
9. In response to Trillium’s uncertain future, in late 2017, several school boards participated in a Request for Information (RFI) process to learn about the overall SIS market. The RFI was conducted by the Educational Computing Network of Ontario (ECNO) on behalf of most school board in Ontario including the TCDSB.
10. Also in late 2017, the TCDSB set aside \$5M in one-time funding for a future SIS project. The funds were taken from in 2016/17 in year surplus. The Board also agreed to increase the base IT budget over 5 years to cover new anticipated operating costs of a new SIS. Since the SIS project has not been started, these funds have not been used and have accumulated. In addition, the project was not started pending the hiring of a new CIO, which occurred in March 2018.
11. In 2018, the unused budget from SIS project was placed into a strategic IT systems reserve as part of an overall reserve strategy that was approved by the Board. The intention of this reserve is to support major systems modernization projects such as a new SIS. The current strategic IT system reserve balance is \$7.95M.
12. In April 2018, the Ontario Education Collaborative Marketplace (OECM) issued an RFP for new SIS on behalf of all school board in Ontario. The TCDSB was heavily involved in the RFP process from the beginning and

contributed to the RFP criteria, bid response scoring, and master contract negotiations with the top bidder.

13. In January 2019, OECM announced the winning Bidder as the joint bid from Fujitsu and Follett using the Aspen SIS software. Follett will provide the Aspen SIS software while Fujitsu will provide implementation and on-going support services under a single contract. There were four bidders who responded to the RFP including the TCDSB incumbent vendor, PowerSchool. While the exact scoring cannot be released, staff are aware that the bid from Aspen/Fujitsu was the highest scoring bidder by a significant margin.
14. The Aspen SIS is also one of the most popular student information systems in North America. It is used by several schools, states and provinces. In Canada the Aspen SIS, is deployed to all school boards in British Columbia and Saskatchewan. In the USA, some notable large clients include Miami-Dade County Public Schools and Chicago Public Schools.

D. EVIDENCE/RESEARCH/ANALYSIS

1. The OECM award to Fujitsu/Follett does not force the TCDSB to implement the Aspen SIS software. As with all OECM procurements, the TCDSB needs to sign a sub-agreement known as Client Services Agreement (CSA) to take advantage of the overall agreement completed by OECM. The CSA allows boards to negotiate additional terms that are important to them as well as allows for additional pricing discounts.
2. Recent changes to public sector procurement rules set out by the Government encourage the use of central procurement contracts such the SIS software contract offered through OECM. Although the TCDSB does not have to choose the Aspen SIS software, not selecting it will likely mean the TCDSB would need to start its own separate lengthy RFP process and justify its reasons for doing so to the Ministry of Education.
3. The TCDSB has recently received a letter from PowerSchool with a proposal to “upgrade” Trillium to PowerSchool SIS under the existing contract. The TCDSB and other boards have engaged with the Ministry of Education to determine the viability of this offer by PowerSchool.

4. TCDSB staff have met with both Powerschool and Fujitsu/Follet to understand the specifics of their offers and contract. Staff are speaking to both vendors in order to ensure that the TCDSB accepts the offer with the best overall value to the TCDSB within established procurement rules.
5. The TCDSB uses Trillium for core functionality such as student demographic data and transcripts, but has built dozens of custom applications around Trillium to cover functionality that originally was not included in Trillium. These applications require extensive on-going maintenance work and are more prone to IT security threats. A new SIS could potentially eliminate some of these custom applications. Some examples of applications that TCDSB has built over the last 20 years include:
 - Individuals Education Plan (IEP) App to track plans for special needs students
 - Data Integration Platform (DIP) to track and report achievement data including EQAO
 - Report Card Creation App for teachers to create final report cards
 - Electronic data links to the Ontario College Application System (OCAS) and the Ontario University Application Centre (OUAC)
 - Progressive Discipline/Safe Schools application to manage student incidents, threats, and expulsions.
 - OnSIS report dashboard to track the data submission work to the Ministry
 - School Online Admissions and Registration (SOAR) software for parents and students to apply and register for their local school online.
6. In addition to all the custom software needed to support Trillium, the core Trillium system is built on older technology that is hosted in the TCDSB data centre and is only accessible via a software package installed on individual TCDSB computers. Most modern systems are built on cloud infrastructure and accessible via a web browser from any computer or device without the need to manage applications on each individual computers.
7. A new modern SIS will have a number of built functions not included in the core Trillium SIS such as a reporting and analytics engine, and IEP management function, case management functionality, electronic classroom attendance, and a parent access portal.

8. In addition to the reduction in custom software and better long-term viability of a supported off commercial systems, the implementation of new modern SIS brings with it a number of other benefits including:
 - improved access for teachers and principals on any device
 - simplified and streamlined Ministry compliance report
 - improved data security and privacy controls
 - the reduction of data centre hardware as the new software is hosted by the vendor
 - improved data integration with future software products such as a case management system
 - simplified reporting tool for teachers, principals, and central staff
9. The implementation of the new SIS is part of the draft I&T Strategic plan being presented to Board later this fall.
10. Although the implementation of a new modern SIS has many benefits, the implementation work is typically among the most complex IT projects an organization can undertake. There are a number of factors that drive this complexity such as the number of core business process affected by the system, the need to maintain operations while in transition to a new system, the number of staff that need to be trained on the new system, and the significant amount of data that needs to be transferred from the existing system to the new system.
11. In addition to the implementation complexity, it should be noted that an SIS is used by many staff on a day-to-day basis. Changing the system will likely disturb personal practices and working routines developed by staff over the last 20 years. As a result of this disruption, the project will require significant training, communications, and organizational change management effort in order to be completed and the software to be adopted successfully.
12. To manage such a large IT project the TCDSB will need to form a dedicated project team that will include experienced staff and administrators from within the TCDSB ranks as well as experts from the vendor team.
13. Although the exact costs and schedule are unknown until the final contract and project plan are completed, staff generally believe the project will take between 3 to 4 years to complete with an implementation cost of between \$10M and \$15M. Staff currently do not expect additional operating budget to

support the new system as this has already been planned within the current ICT operating budget.

14. Staff anticipate that a final contract, project budget, funding plan, and high-level schedule will be ready for Board review and approval by December 2019.

E. CONCLUDING STATEMENT

This report is for the consideration of the Board and.

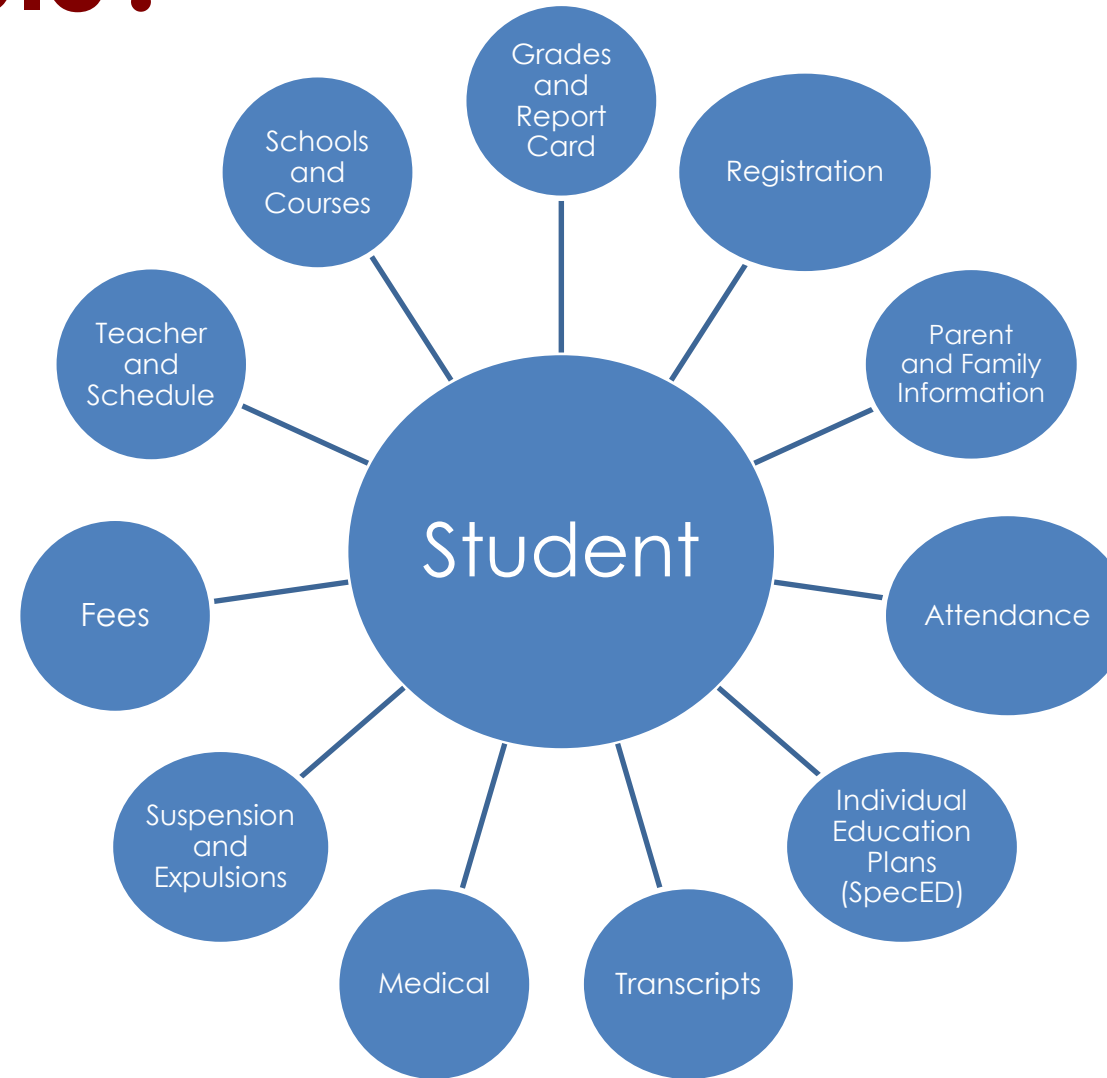


Student Information System (SIS) Project Update

**Corporate Services Committee
Sept 2019**

What is an SIS?

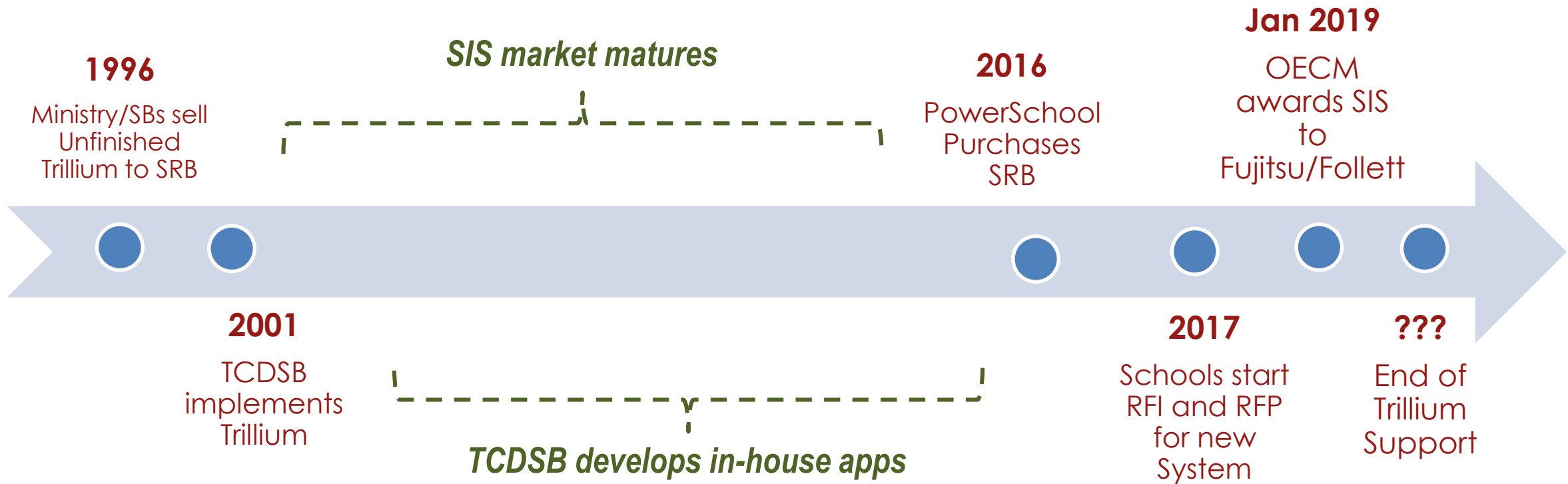
**Staffing
Allocation
(75% of Costs)**



**Ministry
Funding
(90% of
Revenues)**



How We Got Here



Benefits of new SIS



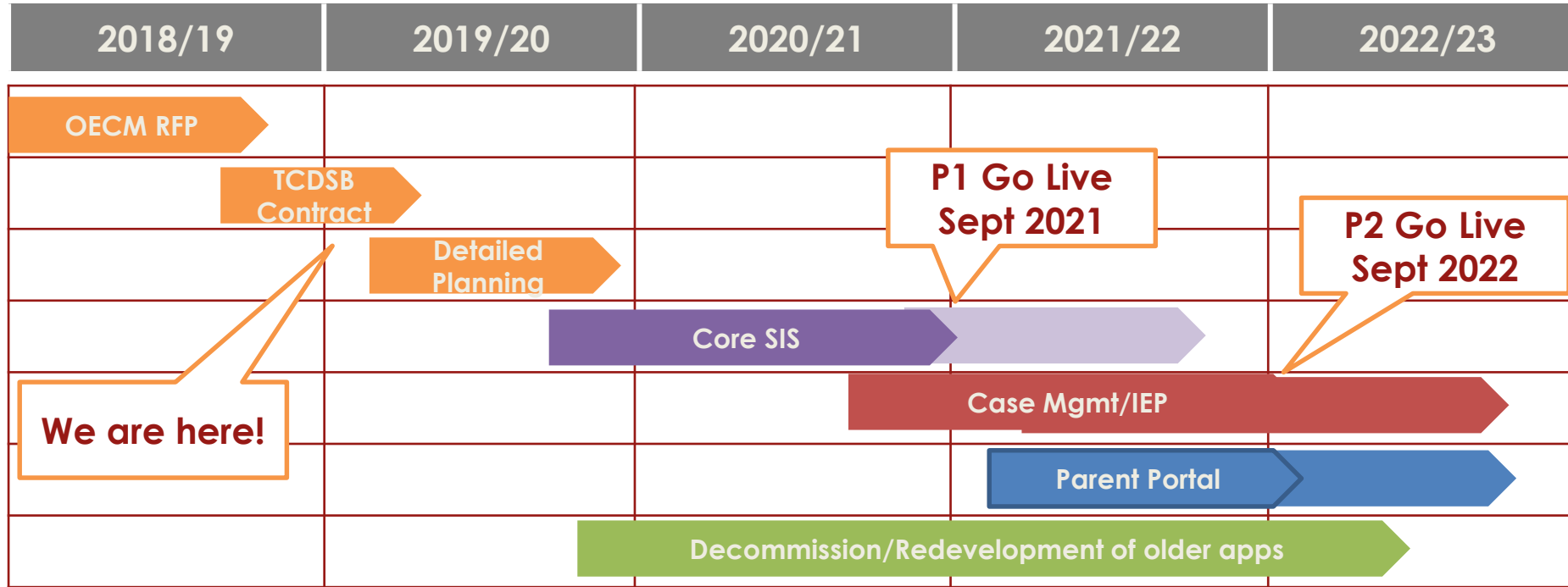
- Sustainable vendor and product
- Less custom code development and maintenance
- Better reporting tools for schools and central staff
- Easier access for teachers and principals
- Improved Ministry compliance report process
- Stronger security and privacy controls
- Better disaster recovery capabilities
- Reduction of data centre hardware
- Faster and easier integration to other systems

[illegible]

- **be highly complex**
- **touch many core processes**
- **impact many staff**

- **a dedicated project team**
- **a strong communications plan**
- **training for most staff**
- **sufficient time and budget**
- **trustee and leadership support**

Rough Schedule and Cost



- 3 to 4 year project
- \$10 to \$15M in implementation Cost
- Final Estimate will be presented to Board along procurement for approval

Next Steps

- ✓ Procurement negotiations and approval
- ✓ Updated project estimates
- ✓ Detailed planning and design
- ✓ Form dedicated project team
- ✓ Project implementation kick-off





Questions and Answers



REPORT TO

CORPORATE SERVICES, STRATEGIC PLANNING AND PROPERTY COMMITTEE

CAPITAL PROGRAM UPDATE 2019

*"I can do all things through HIM who strengthens me."
Philippians 4:13 (NRSVCE)*

Created, Draft	First Tabling	Review
September 3, 2019	September 12, 2019	
L. Northey, Senior Manager, Capital Development P. de Cock, Comptroller, Finance and Business Services M. Farrell, (Acting) Superintendent of Environmental Support Services D. Friesen, (Acting) Superintendent of Capital Development and Asset Renewal		
INFORMATION REPORT		

Vision:

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Mission:

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We educate students to grow in grace and knowledge to lead lives of faith, hope and charity.



Rory McGuckin
Director of Education

D. Koenig
Associate Director
of Academic Affairs

L. Noronha
Associate Director of Facilities,
Business and Community
Development, and
Chief Financial Officer

A. EXECUTIVE SUMMARY

This report updates the Board on the status of the Capital Program, consisting of six projects completed in the last year and 20 active projects in various stages of development. An additional 19 child care additions/retrofits are on hold pending confirmation of operational funding from the City of Toronto. All projects are funded largely by the Provincial Government through various Capital grants, which have been awarded over the past 10 years.

Capital projects at The Holy Trinity, St. Simon, St. Clement, St Paschal Baylon, St Stephen and St. Maurice were completed and occupied in the last year.

A new St. John the Evangelist Catholic School and an addition at St. Augustine welcomed students at the beginning of this school year and site work will be completed in the coming months.

No new projects have been initiated within the past year, as there were no new Ministry funding announcements.

The cumulative staff time required to prepare this report was 16 hours.

B. PURPOSE

This report provides an update on the status of the Capital program, including a summary of project budget approvals by the Ministry of Education (EDU).

C. BACKGROUND

- 1. Capital projects from earlier funding years (“New Pupil Place,” “Enrolment Pressures” and Full-Day Kindergarten, dating back to 2008,) that are complete are not included in this update of the Capital Program.** The value of this completed Capital Work is \$218M and includes 6 replacement elementary schools, 21 classroom additions and a number of child care and FDK retrofits and additions.
- 2. Since the last Capital Program Update issued September 2018, the Board has received no new Capital Funding.** The Ministry of Education issued no new funding announcements in this time. The last Capital Priorities funding submission was September 8, 2017, with funding granted in March, 2018.

3. ***The Ministry of Education announced the launch of the 2019-20 Capital Priorities Program on July 22, 2019.*** The Board approved the Capital Priorities ranking criteria at its meeting on August 22, 2019. Determination of the Board's Capital Funding Priorities based on the approved criteria is ongoing and will be submitted to EDU by the deadline of September 30, 2019.
4. ***In April 2019, EDU issued Memo 2019:EYCC3 putting stand-alone child-care projects on hold pending a commitment from Consolidated Municipal Service Managers (CMSM) to provide multi-year operating funding.*** Boards were to submit a joint confirmation form signed by the CMSM (City of Toronto for TCDSB) and the Director confirming the operating funding by August 31, 2019. The City of Toronto requested an extension, and on August 29, EDU granted an extension until October 31, 2019.
5. ***In addition to funding grants, the Ministry will provide additional funding for some site specific costs upon review of a detailed cost estimate.*** The Ministry recognizes that there are site specific costs that are not included in the construction standard outlined in the *Report from the Expert Panel on Capital Standards* on which the benchmark funding is based. Unique site costs can include storm water management, removal of hazardous materials, costs related to infrastructure upgrades, poor soils, difficult site grading, third-storey premium for small sites, Toronto Green Standard and green roof by-law. This additional funding must be approved prior to requesting Approval to Proceed (ATP).
6. ***In growth areas of the City, Education Development Charges (EDCs) are also available to cover site preparation costs.*** These can include storm water management, removal of hazardous materials, infrastructure upgrades and costs related to poor soils.

D. EVIDENCE/RESEARCH/ANALYSIS

1. ***The value of current active (in progress) Capital projects is \$379M.*** Refer to Appendix A for a detailed financial breakdown and project status for all projects.
2. ***The Board's current Capital Program consists of 18 elementary and secondary school projects in various development stages and funded from***

Ministry grants, Board Proceeds of Disposition (POD) and Development levies/contributions as follows:

School	Ward	Funding Received	Project Type	Status
The Holy Trinity	4	2011 Capital Priorities Grant (CPG)	Elementary School Replacement	Completed Fall 2018 Final deficiencies / remedial work being completed.
St Simon	3	2011 CPG	Elementary School Replacement	Completed Fall 2018 Final deficiencies / remedial work being completed.
St. Paschal Baylon	5	2014 Proceeds of Disposition (POD)	Elementary School Addition	Completed Fall 2018 Final deficiencies / remedial work being completed
St. Clement	2	2015 Enrolment Pressures (EP)	Elementary School Addition/ Child Care retrofit	Completed Spring 2019 Final deficiencies / remedial work being completed
St. Augustine – Phase 2	3	2015 EP	Elementary School Addition/ Child Care retrofit	Addition occupied September 2019 Soft landscaping/ Child Care fit-out to be completed by Spring 2020.

School	Ward	Funding Received	Project Type	Status
St. John the Evangelist	10	2011 CPG City of Toronto funded Child Care	Replacement Elementary School	School occupied September 2019 Site work to be completed end of October. Access to tunnel deck grass area late spring.
Bishop Macdonell / Railway Lands	9	Development Levies	New Elementary School	Construction delayed by trade union strikes. Occupancy scheduled for January 1, 2020
St. Joseph Morrow Park	11	2011 CPG	Replacement Secondary School	In Construction Occupancy June 2020
St. Bruno / St. Raymond	9	2016 School Consolidation Capital (SCC)/ Child Care	Replacement Elementary School	Construction Documentation / Site Plan Approval
St. Leo / St. Louis	4	2016 SCC/ Child Care	Replacement Elementary School	Construction Documentation / Site Plan Approval
St. Antoine Daniel	5	2016 CPG/ Child Care	Replacement Elementary School	In Design Architect appointed
Baycrest Avenue	5	2014 POD (originally for St. Margaret)	New Elementary School	In Design Architect appointed

School	Ward	Funding Received	Project Type	Status
Holy Angels	4	2018 CPG/ Child Care	Replacement Elementary School	In Design Architect appointed
St. Fidelis	10	2014 CPG/ Child Care	Replacement Elementary School	In Design Architect appointed
St. Matthias	11	2018 CPG/ Child Care	Replacement Elementary School	In Design Architect appointed
Blessed Cardinal Newman	12	2015 CPG	Replacement Secondary School	In Design Architect appointed
Dante Aligheri Academy / Regina Mundi	5	2011 CPG 2016 Child Care	Replacement Secondary School/ Retrofit of existing for Elementary/ Child Care	In Design Architect appointed
St Michael Choir	9	2018 CPG Archdiocese Commitment	Replacement	Architect Selection

3. *The Board's current Capital Program also consists of seven child care projects in various development stages and funded from Ministry grants and by the City of Toronto as follows:*

School	Ward	Funding	Project Type	Status
St. Stephen	1	City Funded	Child Care Retrofit	Completed Spring 2019 Final deficiencies / remedial work being completed
St. Maurice	1	City Funded	Child Care Retrofit	Completed Spring 2019 Final deficiencies / remedial work being completed
St Columba	8	City Funded	Child Care Retrofit	Completed Spring 2019 Final deficiencies / remedial work being completed
St. Barnabas	8	City Funded	Child Care Addition	Construction Documentation General Contractor Prequalification
St. Bartholomew	8	City Funded	Child Care Addition	Construction Documentation General Contractor Prequalification
St. Roch	3	City Funded	Child Care Addition	Construction Documentation General Contractor Prequalification
St Margaret (Carmichael)	5	2018 CPG Child Care	Child Care Addition (potential gym addition)	In Design Costing for gym addition submitted to EDU for approval

4. ***The following are additional projects undertaken by Capital Development:***
- Development of new design standards for secondary schools is nearly complete. The draft final document is currently under review.
 - *Conserve First: Net Zero Research Study* has been finalized and will be presented to the Board in September
5. ***Nineteen Ministry-funded Child Care retrofits and additions have been put on hold until October 31, 2019, pending commitment of multi-year operational funding by the City of Toronto.*** At the time of the EDU Memorandum 2019:EYCC3, issued in April, 2019, these projects had progressed through consultant selection, design work was underway and submissions for pre-qualification from general contractors have been received.

Project	Ward	Project	Ward
Father Serra	2	St. Edmund Campion	12
Holy Family	4	St. Gerald	11
Nativity of Our Lord	2	St. Jean de Brebeuf	8
Pope Francis	9	St. Jude	3
Santa Maria	12	St. John Vianney	1
St. Albert	7	St. Kevin	7
St. Andre	3	St. Nicholas of Bari	6
St. Barbara	12	St. Pope Paul VI	6
St. Bernard	10	St. Thomas Aquinas	9
St. Dominic Savio	8		

6. ***The Board's Capital Program has resulted in the removal of 288 portables from the system since 2008,*** with an estimated further 57 by the 2022/23 school year.

E. METRICS AND ACCOUNTABILITY

1. Capital project budgets are monitored through the Board's financial systems and audit processes and financial status is reported to the Ministry of Education twice a year through the Capital Asset Project Template.
2. All Capital Project Supervisor salaries are charged to the Capital project budgets on which they work, with the cost ranging from 0.8% to 3% of the project budget, depending on the size and complexity of the project.
3. Other costs such as site acquisition and site preparation that fall outside of the Capital funding benchmark are charged to Education Development Charges, if eligible, or submitted to the Ministry as unique site-related costs.

F. CONCLUDING STATEMENT

This report is for the consideration of the Board.

APPENDIX A CAPITAL PLAN SUMMARY - SEPT 2019

School/Project Name	Project Type	% Complete	Current Project Budget/Cost	EDU FUNDING		OTHER (NON-EDU) FUNDING			Total Project Funding	Funding Surplus/ (Shortfall)
				Total EDU Approved Funding	Pending Funding for Unique Site Cost	EDC Funded Costs	Other (City, Develop't Levies, Archdi etc.)	EDU Approved Board POD		
The Holy Trinity	New School - Elementary	100%	\$13,340,872	\$10,770,174		\$2,570,698			\$13,340,872	\$0
St. Simon	New School - Elementary	100%	\$12,636,416	\$11,719,798		\$916,618			\$12,636,416	\$0
St. Pashal Baylon	Addition	100%	\$14,412,653	\$2,734,933				\$11,677,720	\$14,412,653	\$0
St. Clement	Addition	100%	\$7,488,104	\$7,488,104					\$7,488,104	\$0
St. Augustine - Phase 2	Addition	93% construction	\$9,171,654	\$9,171,654					\$9,171,654	\$0
St. John the Evangelist	New School - Elementary	90% Construction	\$20,429,550	\$12,299,165		\$5,532,233	\$2,598,152		\$20,429,550	\$0
Bishop Macdonell/Railway Lands	New School - Elementary	40% construction	\$19,624,176	\$0		\$0	\$19,624,176	\$0	\$19,624,176	\$0
St. Joseph Morrow Park	New School - Secondary	45% Construction	\$32,483,045	\$22,543,937		\$9,939,108			\$32,483,045	\$0
St. Bruno/St. Raymond	New School - Elementary	75% Design	\$14,209,217	\$11,533,033	TBD	\$0			\$11,533,033	(\$2,676,184)
St. Leo/ St. Louis	New School - Elementary	75% Design	\$15,909,203	\$12,362,048	TBD	\$3,086,880			\$15,448,928	(\$460,275)
St. Antoine Daniel	New School - Elementary	5% Design	\$15,070,104	\$13,220,104	TBD				\$13,220,104	(\$1,850,000)
Baycrest Avenue	New School - Elementary	5% Design	\$14,145,400	\$3,139,978	\$418,547	\$1,768,844		\$8,818,031	\$14,145,400	\$0
Holy Angels	New School - Elementary	5% Design	\$17,819,660	\$17,358,410	TBD	TBD			\$17,358,410	(\$461,250)
St. Fidelis	New School - Elementary	5% Design	\$15,007,117	\$13,726,750	\$820,224	\$460,143			\$15,007,117	\$0
St. Matthias	New School - Elementary	5% Design	\$15,478,275	\$13,785,309	TBD	TBD			\$13,785,309	(\$1,692,966)
Bl. Cardinal Newman	New School - Secondary	5% Design	\$38,778,385	\$30,576,050	\$585,983	\$7,616,352			\$38,778,385	\$0
Dante Aligheri/ Regina Mundi	New Schools - Elementary + Secondary	10% Design	\$34,497,751	\$32,818,951		\$1,281,944	\$396,856		\$34,497,751	\$0
St. Michael Choir	New School	RFP	\$35,036,000	\$11,155,222		TBD	\$17,518,000	TBD	\$28,673,222	(\$6,362,778)
St Stephen	Child Care	100%	\$1,385,126	\$25,397			\$1,400,000		\$1,425,397	\$40,271
St. Maurice	Child Care	100%	\$1,589,076	\$117,076			\$1,472,000		\$1,589,076	\$0
St. Columba	Child Care	97% Construction	\$1,644,193	\$108,549			\$1,535,644		\$1,644,193	\$0
St. Barnabas	Child Care	85% Design	\$2,699,000	\$99,000			\$2,600,000		\$2,699,000	\$0
St. Bartholomew	Child Care	75% Design	\$2,624,000	\$24,000			\$2,600,000		\$2,624,000	\$0
St. Roch	Child Care	50% Design	\$3,312,214	\$99,000	TBD		\$1,900,000		\$1,999,000	(\$1,313,214)
St. Margaret @ Carmichael	Child Care	5% Design	\$5,879,366	\$1,942,066	\$721,758		\$596,314	\$890,606	\$4,150,744	(\$1,728,622)

APPENDIX A CAPITAL PLAN SUMMARY - SEPT 2019

School/Project Name	Project Type	% Complete	Current Project Budget/Cost	EDU FUNDING		OTHER (NON-EDU) FUNDING			Total Project Funding	Funding Surplus/ (Shortfall)
				Total EDU Approved Funding	Pending Funding for Unique Site Cost	EDC Funded Costs	Other (City, Develop't Levies, Archdi etc.)	EDU Approved Board POD		
Holy Family	Child Care	On Hold	\$794,068	\$794,068					\$794,068	
St. John Vianney	Child Care	On Hold	\$771,380	\$771,380					\$771,380	
Blessed Pope Paul VI	Child Care	On Hold	\$529,379	\$529,379					\$529,379	
Pope Francis	Child Care	On Hold	\$794,069	\$794,069					\$794,069	
Nativity of Our Lord	Child Care	On Hold	\$2,571,267	\$2,571,267					\$2,571,267	
St. Albert	Child Care	On Hold	\$2,571,267	\$2,571,267					\$2,571,267	
St. Thomas Aquinas	Child Care	On Hold	\$2,571,267	\$2,571,267					\$2,571,267	
Father Serra CS	Child Care	On Hold	\$1,542,762	\$1,542,762					\$1,542,762	
Santa Maria	Child Care	On Hold	\$1,028,508	\$1,028,508					\$1,028,508	
St. Andre	Child Care	On Hold	\$1,542,762	\$1,542,762					\$1,542,762	
St. Barbara	Child Care	On Hold	\$1,542,762	\$1,542,762					\$1,542,762	
St. Bernard	Child Care	On Hold	\$1,542,762	\$1,542,762					\$1,542,762	
St. Dominic Savio	Child Care	On Hold	\$1,542,762	\$1,542,762					\$1,542,762	
St. Edmund Campion	Child Care	On Hold	\$1,542,762	\$1,542,762					\$1,542,762	
St. Gerald	Child Care	On Hold	\$1,542,762	\$1,542,762					\$1,542,762	
St. Jean de Brebeuf	Child Care	On Hold	\$1,542,762	\$1,542,762					\$1,542,762	
St. Jude	Child Care	On Hold	\$514,254	\$514,762					\$514,762	
St. Kevin	Child Care	On Hold	\$1,542,762	\$1,542,762					\$1,542,762	
St. Nicholas of Bari	Child Care	On Hold	\$1,542,762	\$1,542,762					\$1,542,762	
			\$378,902,763	\$255,622,121	\$2,546,512	\$30,602,122	\$52,241,142	\$21,386,357	\$362,398,254	(\$16,505,017)

Total Capital Program Budgets/ Costs 2008-2018		\$596,519,857
Completed Projects Value		\$217,617,094
Total Current Project Value		\$378,902,763



REPORT TO

CORPORATE SERVICES, STRATEGIC PLANNING AND PROPERTY COMMITTEE

2018-19 THIRD QUARTER FINANCIAL STATUS UPDATE

"Whatsoever thy hand findeth to do, do it with all thy might."
Ecclesiastes 9:10

Created, Draft	First Tabling	Review
September 3, 2019	September 12, 2019	
L. LePera, Sr. Financial Analyst D. Bilenduke, Senior Coordinator of Finance P. De Cock, Comptroller of Business Services & Finance		
INFORMATION REPORT		

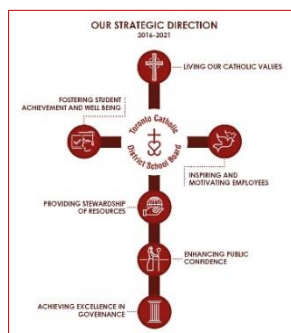
Vision:

At Toronto Catholic we transform the world through witness, faith, innovation and action.

Mission:

The Toronto Catholic District School Board is an inclusive learning community uniting home, parish and school and rooted in the love of Christ.

We educate students to grow in grace and knowledge to lead lives of faith, hope and charity.



Rory McGuckin
Director of Education

D. Koenig
Associate Director
of Academic Affairs

L. Noronha
Associate Director of Facilities,
Business and Community
Development, and
Chief Financial Officer

A. EXECUTIVE SUMMARY

This Financial Update Report as at May 31st, 2019 provides a year-to-date look at significant financial activities at the Board.

This is the third update for fiscal 2018-19 using the Revised Estimates approved by the Board of Trustees in December 2018. The Board is on target to end the year with a surplus. A more detailed variance summary is attached as Appendix A.

The cumulative staff time required to prepare this report was 20 hours.

B. PURPOSE

The Financial Update report is required to keep Trustees informed on the Board's financial performance through the year and illustrate any variance in expected outcomes. The report will provide a systematic analytical review of Operating and Capital Budgets, in the following order:

- High Level Review and Risk Assessments of Operating Budget
- High Level Review of School Renewal and Capital Projects

C. BACKGROUND

1. *This report is recognized as a best practice in the province.* The Ministry of Education and the District School Board Reporting Workgroup have both identified regular periodic financial reporting as a best practice in managing the Board's financial outcomes.
2. *Year to year comparisons can be slightly skewed.* When comparing the percentage spent to this period last year, it is important to note that YTD May 2019 had 1 additional teaching day compared to YTD May 2018.

D. EVIDENCE/RESEARCH/ANALYSIS

HIGH LEVEL REVIEW AND RISK ASSESSMENTS OF OPERATING BUDGET

1. ***Salary and Benefit expenditures are expected to finish on or below target for this academic year.*** Overall, in the Salary and Benefits area, Figure 1 below illustrates the current risk exposure. This expenditure category is the most closely monitored risk as it comprises the largest portion of the operating budget. These expenditures are expected to be on track at this time.

Figure 1: Salary and Benefits Variance / Risk Analysis

	<i>Actual to Budget</i>		<i>Actual to Previous Year</i>		<i>Risk Assessment</i>
<i>Instructional Salaries</i>	↓	3.7%	↓	0.7%	●
<i>Instructional Benefits</i>	↑	0.7%	↓	0.7%	●
<i>Non-Instructional Salaries</i>	↑	0.9%	↓	0.8%	●
<i>Non-Instructional Benefits</i>	↓	3.5%	↓	5.9%	●

● = Low: On Track ◆ = Medium: Monitor ◆ = High: Action Required

Salaries are tracking very close to budget for both Instructional and Non-Instructional categories. All employee groups have been moved to the benefit trusts as of June 1st 2018. Benefits are tracking to finish on budget.

2. ***At an aggregate level, total other expenditure categories (besides salary and benefits) are expected to finish on or below target.*** Overall, in the Non-Salary area, Figure 2 below illustrates the current risk exposure.

Figure 2: Non-Salary Variance / Risk Analysis

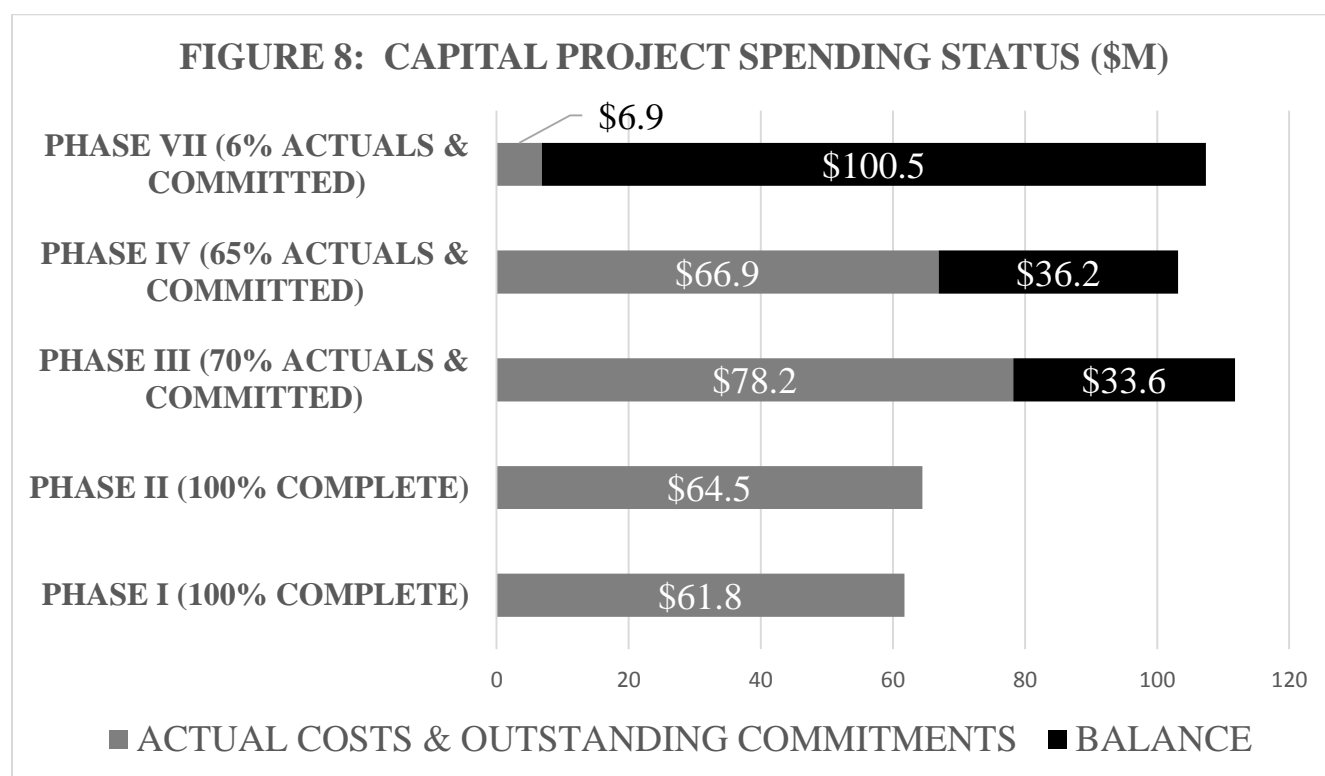
	Actual to Budget		Actual to Previous Year		Risk Assessment
<i>Instructional Expense</i>	↓	29.6%	↓	9.8%	●
<i>Transportation Expense</i>	↑	2.0%		0.0%	●
<i>Operations & Maintenance</i>	↓	9.9%	↓	2.9%	●
<i>Other Administrative</i>	↑	30.5%	↑	26.7%	●

While Instructional expenses are tracking low compared to budget, they are considered a low risk because the timing of expenditure recognition is subject to annual variations and unspent school block funds are carried forward. Transportation costs are expected to come in on target. Although Computer expenses are trending favourable as of May, they are expected to finish on or slightly below target for this year.

3. ***Grant Revenue from the Province projected to increase by a net of \$7.635M to a maximum of \$10.135M.*** This net change is a function of a net decrease of 170 in ADE Enrolment or \$0.965M in Grants for Student Needs (GSNs), an increase in ESL Enrolment of \$5.1M and an increase in GSN Teacher Qualification & Experience Grant of \$3.5M to \$6.0M.
4. ***Priorities and Partnership Funds or PPF's (previously referred to as EPO's)*** originally indicated a decrease of \$812K. However, new PPF projects were issued reducing the amount further.
5. ***Additional Funding of \$369K for Special Education*** – TCDSB is in the process of finalizing enrolment for students arriving with Autism Spectrum Disorders in TCDSB schools. This will be completed in the next couple of weeks as enrolment is finalized for the 2018-19 ONSIS Submission.
6. ***Visa Student enrolments*** decreased by a net of 22.68 ADE. Consequently, Visa tuition fees are expected to decrease by \$0.344M.

HIGH LEVEL REVIEW OF SCHOOL RENEWAL AND CAPITAL PROJECTS

7. ***The Capital program totals \$448 million.*** The Board received Capital Project funding for many new schools, additions and childcare spaces. The capital program funding includes Childcare funding and Full Day Kindergarten funding for projects where applicable. Figure 8 illustrates the Ministry approved capital budgets, the amount spent and/or committed, the balance remaining and the percentage completed by each Phase. Appendix B provides more detail regarding the Capital Projects Phases 1 to 7.



Phase I - 16 School Additions

Phase II - 6 New Elementary Schools

Phase III - 5 New Elementary Schools

Phase IV - 8 School Additions & 3 New Elementary Schools

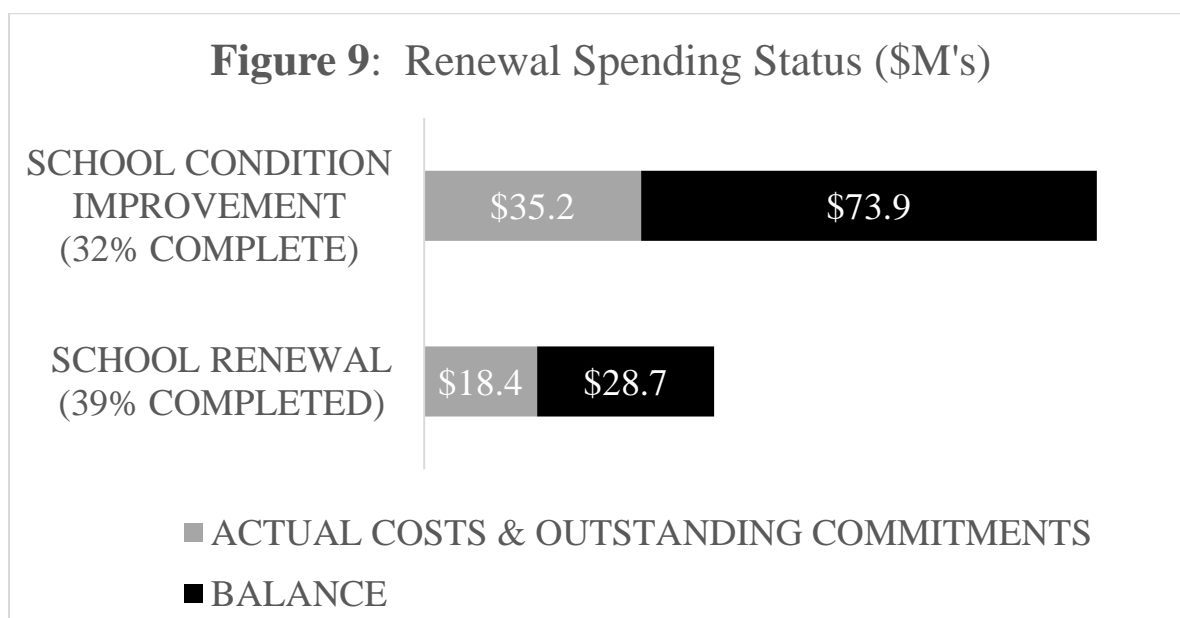
Phase VII - 7 New Elementary Schools

Phase V – Full Day Kindergarten (All Projects Completed)

Phase VI – Projects consolidated into **Phase VII**

8. ***The Renewal Program consists of major building component replacements and site improvements for a total available at September 1, 2018 of \$158M with funding of approximately \$102M remaining.*** The Renewal Program is funded through several grants such as Regular School Renewal Grant, School Improvement Grant and the Greenhouse Gas Reduction Grant. Staff are currently planning for the upcoming construction. Greenhouse Gas Reduction funding projects were fully completed as of March 31, 2019.

Figure 9 provides a high-level view of the Ministry Approved funding, Actual & Committed Amounts spent and the balance remaining for School Renewal and School Renewal Capital Projects to date and is detailed in Appendix C:

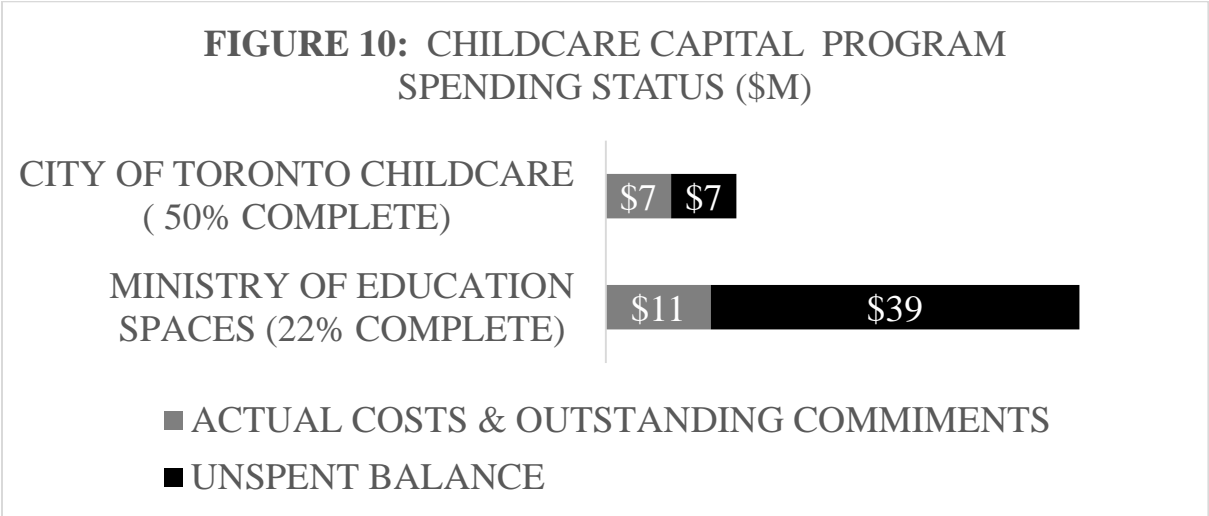


The Board received a budget of \$7.1M for Greenhouse Gas Reduction with an expenditure timeline of March 31st 2018 and an additional \$3.8M on April 1, 2018 with an expenditure timeline of March 31st 2019. The Board met the completion timeline of March 31, 2019.

9. ***The Capital budget also includes two Childcare Program capital projects.*** The childcare program consists of childcare additions, childcares as part of new school construction and retrofit of existing childcares. Childcare capital funding is received from the Ministry of Education and the City of Toronto for purposes of building childcare space at specific schools. Figure 10 presents the status of progress to date including the percentage complete,

actual and committed costs, as well as the balance remaining for both the Ministry and City of Toronto funded childcares.

The City of Toronto and the TCDSB must confirm to the Ministry of Education that any required operating funding for new child care spaces will be managed from within the CMSM’s or DSSAB existing operating budget prior to adding childcare spaces. The requirement applies to 19 Ministry of Education funded childcare projects totalling \$27,573,077. The deadline for the commitment was August 31; last week it was extended to October 31.



E. METRICS AND ACCOUNTABILITY

1. The actual revenues and expenditures are tracking to budget at the end of the third quarter as detailed in this report.
2. The one-time extraordinary item (ASO benefit surplus) had a projected balance of \$10.5M for the 2017-18 fiscal year of which \$4.5M was recorded as revenue in the 2017-18 financial statements. The remaining balance of the ASO benefit surplus is projected to be \$5.3M and is expected in the 2018-19 fiscal year.
3. ***In compliance with the Purchasing Policy, the Contract Awards Report will list Tenders and Request for Proposals (RFP) awards.*** This report has been posted on the TCDSB’s website, and provides details such as Project/Service/Products, Ward, Supplier and low bid/highest score and total contract amount:

<https://www.tcdsb.org/Board/BoardAdministration/AdministrationOffices/purchasing/TenderingInformation/Pages/Default.aspx>

A Tender award is based on the compliant low bid meeting specifications, and Contractors bidding on construction or maintenance projects must be prequalified.

The report lists the total value of the project over the term of the contract, however, the actual amount may vary depending on the volume of product or services used during the term of the contract. An RFP award is based on the overall highest scoring proposal, and the evaluation is based on the scoring of specific weighted criteria including price.

F. CONCLUDING STATEMENT

This report is for the consideration of the Corporate Services, Strategic Planning and Property Committee..

OPERATING EXPENDITURES
@ May 31, 2019

APPENDIX A

'000's	Total Revised Estimate	YTD Revised Estimate	YTD Actual	Variance '000's	Variance %	2018/19 YTD % Spent	2017/18 YTD % Spent
Salaries							
Teachers	540,445	486,400	477,425	8,976	1.9%	88.3%	88.2%
Occasional Teachers	27,109	24,398	27,675	(3,276)	-13.4%	102.1%	87.7%
Educational Assistants & ECE's	61,652	55,487	47,632	7,855	14.2%	77.3%	87.0%
Principal & VP	38,112	34,300	33,502	798	2.3%	87.9%	88.9%
School Office	17,777	15,999	14,483	1,516	9.5%	81.5%	82.0%
Continuing Education	17,843	16,058	9,644	6,415	40.0%	54.1%	55.7%
Other Instructional	61,925	55,732	50,127	5,605	10.1%	81.0%	86.9%
Sub Total Instruction	764,862	688,376	660,488	27,888	4.1%	86.4%	87.1%
Administration	18,173	13,630	13,433	197	1.5%	73.9%	73.9%
Transportation	1,063	798	707	91	11.4%	66.5%	71.6%
Operations & Maintenance	46,129	34,597	35,377	(781)	-2.3%	76.7%	78.0%
Other	8,591	6,443	6,612	(169)	-2.6%	77.0%	76.6%
Sub Total Non Instruction	73,956	55,467	56,129	- 662	-1.2%	75.9%	76.7%
Total Salaries	838,818	743,843	716,617	27,226	3.7%	85.4%	86.1%
Benefits							
Teachers	78,843	59,132	59,411	(278)	-0.5%	75.4%	76.3%
Occasional Teachers	5,536	4,152	4,822	(670)	-16.1%	87.1%	52.2%
Educational Assistants & ECE's	19,779	14,834	14,828	6	0.0%	75.0%	80.6%
Principal & VP	4,898	3,673	3,967	(294)	-8.0%	81.0%	85.8%
School Office	5,566	4,174	4,212	(38)	-0.9%	75.7%	77.9%
Continuing Education	2,759	2,069	2,058	11	0.5%	74.6%	69.0%
Other Instructional	14,079	10,559	10,173	387	3.7%	72.3%	80.3%
Sub Total Instruction	131,460	98,595	99,472	- 877	-0.9%	75.7%	76.4%
Administration	4,770	3,578	4,111	(534)	-14.9%	86.2%	74.3%
Transportation	249	187	193	(6)	-3.3%	77.5%	69.9%
Operations & Maintenance	14,703	11,027	10,191	836	7.6%	69.3%	78.0%
Other	1,675	1,256	814	443	35.2%	48.6%	84.3%
Sub Total Non Instruction	21,397	16,048	15,309	738	4.6%	71.6%	77.4%
Total Benefits	152,857	114,642	114,781	- 139	-0.1%	75.1%	76.6%
Operating Expense							
Instructional Expense	48,928	44,035	29,579	14,456	32.8%	60.5%	70.2%
Transportation Expense	35,910	26,932	27,654	(722)	-2.7%	77.0%	77.0%
Operations & Maintenance Expense	37,192	27,894	24,227	3,667	13.2%	65.1%	68.1%
Other Non Instructional Expense	5,116	3,837	5,398	(1,561)	-40.7%	105.5%	78.8%
Total Expense	127,146	102,699	86,858	15,841	15.4%	68.3%	72.6%
Grand Total	1,118,821	961,184	918,256	42,928	4.5%	82.1%	83.3%

Instruction %	9/10	90.0%
Non-Instruction %	9/12	75.0%

CAPITAL PROJECT PHASES 1 TO 7

Financial Update at May-31-2019

	COMPLETED PROJECT STATUS		WORK IN PROGRESS			% Complete
	MINISTRY APPROVED BUDGET	Costs to Date	Outstanding Purchase Order/ Committment Balances	Costs & Outstanding Purchase Orders ②+③	In Planning ①-④	
	①	②	③	④		
Phase I	61,750,493	61,652,198	98,295	61,750,493	-	100%
Phase II	64,450,776	63,368,036	1,082,740	64,450,776	-	100%
Phase III	111,781,897	54,026,828	24,179,632	78,206,461	33,575,436	70%
Phase IV	103,163,780	63,880,032	3,062,046	66,942,078	36,221,702	65%
Phase VII	107,391,102	2,472,814	4,403,212	6,876,026	100,515,077	6%
	448,538,048	245,399,908	32,825,925	278,225,833	170,312,215	55%

APPENDIX C

SCHOOL RENEWAL / SCHOOL CONDITION IMPROVEMENT / GREENHOUSE GAS REDUCTION GRANT BALANCE

Update: June 7, 2019.

FUNDS REMAINING

Financial Update at May 31, 2019

	SRG Renewal	SRA Renewal	Greenhouse Gas Reduction Fund	SCI 70% Restricted	SCI 30% Unrestricted	TOTAL
				70%	30%	
FUNDING AVAILABLE						
Balance Forward - August 31, 2018 (2018 Accruals incl.)	24,070,166	2,723,799	438,786	38,172,324	29,018,085	94,423,160
Grant - 2018/2019 (Rev. Estimates/SB11 2018)	16,418,436	704,708		24,152,170	10,350,930	51,626,244
Total Grant Available for 2018/2019	40,488,602	3,428,507	438,786	62,324,494	39,369,015	146,049,404
Add: Accruals (Payments incl. below)	3,002,368	148,988	1,111,473	7,439,787	0	11,702,617
Balance Available September 1, 2018 ①	43,490,970	3,577,495	1,550,259	69,764,281	39,369,015	157,752,021
EXPENDITURES & WORK IN PROGRESS (September 1, 2018 - May 31, 2019)						
Actuals - Completed Work	9,713,436	480,352	1,550,259	14,394,388	16,404	26,154,840
Open Purchase Orders - Work in Progress	7,356,012	815,007	0	20,679,247	109,735	28,960,001
EXPENDITURES AND OPEN PURCHASE ORDERS ②	17,069,448	1,295,359	1,550,259	35,073,635	126,139	55,114,841
BALANCE AT MAY 31, 2019 ①-②	26,421,522	2,282,136	0	34,690,646	39,242,876	102,637,180



REPORT TO

CORPORATE SERVICES, STRATEGIC PLANNING AND PROPERTY COMMITTEE

2019-20 RENEWAL PLAN AND THREE YEAR FORECAST

"I can do all things through Him who strengthens me"
Philippians 4:13 (NRSVCE)

Created, Draft	First Tabling	Review
September 24, 2019	October 10, 2019	
M. Iafrate, Senior Coordinator, Renewal P. de Cock, Comptroller, Finance and Business Services D. Friesen, (Acting) Superintendent of Capital Development and Asset Renewal		
RECOMMENDATION REPORT		

Vision:

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Director of Education

D. Koenig
Associate Director
of Academic Affairs

L. Noronha
Associate Director of Facilities,
Business and Community
Development, and
Chief Financial Officer

A. EXECUTIVE SUMMARY

In 2018-19 the Capital Development and Asset Renewal Division delivered approximately \$46.4M in Renewal works throughout the system. Significant projects completed in the 2018-19 fiscal period included 9 schools as part of phase 1 of the cooling centre installation program, a large number of building envelope (e.g. windows/ doors/roofs) improvements, mechanical and electrical works, including 12 major heating upgrade projects, various interior renovation and 11 site work projects. The Asset Renewal Department currently has approximately 300 open projects (at various stages) being managed by 10 project supervisors. The total dollar value of projects in progress as of August 31, 2019 is \$23.94M.

Staff follow an objective process for developing the annual Renewal Plan. This process involves consideration of the following:

- Ministry of Education funding envelopes;
- Ministry funding criteria;
- Evaluation of building conditions throughout the system (informed by the Ministry database and building inspections every 5 years);
- Prioritization of critical repairs required from a structural / health and safety perspective;
- Consultation with the Operations Department within the Environmental Support Services (ESS) Division who provide direct feedback and requests from local schools;
- Checks against work orders from the Maintenance Department within ESS;
- Consideration of system-wide initiatives such as school Nutrition Program related upgrades and the cooling centre strategy.

Based on the above vetting process, this report recommends the approval of the 2019-20 School Renewal Plan for an estimated total budget of \$60.2M as detailed in Appendices A and B. It also recommends that the Board “recognize” the three (3) year Renewal Forecast for a total forecasted budget of \$180.5M, as detailed in Appendix C.

The 2019-20 Renewal Plan is comprehensive and fiscally responsible in nature and allocates funding towards a wide variety of asset replacement and upgrades including, but not limited to: heating and cooling system improvements, roof replacements, cooling centre installations, doors/windows replacements, portable

refurbishments, exterior wall improvements, emergency fire system work, Nutrition Room upgrades, work recommended in the 2019-2023 Energy Conservation and Demand Management (ECDM) Plan, accessibility upgrades and investment in a much needed SAP project management software.

The cumulative staff time required to prepare this report was 80 hours.

B. PURPOSE

1. The purpose of this report is to present the 2019-20 Renewal Plan for approval and the three year Renewal Forecast for recognition, to ensure that the Toronto Catholic District School Board (TCDSB) acts fiscally responsible by maintaining a short to mid term asset management plan.

C. BACKGROUND

1. *In 2018-2019 the Capital Development and Asset Renewal Division delivered approximately \$46.4M in Renewal work including the following significant achievements:*
 - 12 boiler/radiator/Building Automation System (BAS) projects, typically involving significant abatement work and were therefore phased over two years;
 - The first 9 schools of the cooling centre program completed, with the remaining 28 Phase 1 schools to be completed by December 2019;
 - Major BAS replacement at St. John Paul II continuing to completion in December, with boilers scheduled for replacement in the summer of 2020;
 - Completion of significant site projects at St. Anselm, Our Lady of Fatima, St. Cyril and Michael Power and staff continue to work diligently to complete playgrounds at D'Arcy McGee, Our Lady of Peace and St. Conrad and a major ravine restoration at St. John Paul II;
 - Continuation of the FDK playground improvement program to address deficiencies in shade, storage and naturalized surfaces at many schools;
 - Several roof replacements, of note St. Oscar Romero involving approximately 68 different roof elevations;
 - Pilot program to initiate upgrading of video surveillance systems to integrated IP (Internet Protocol) based systems;

- Completion of the third year of a four year program to upgrade access controls to the “Kantech” system with photo identification cards; all schools will have the new system installed by August 2020;
- Installation of sinks and other upgrades to all Nutrition Rooms flagged by Public Health and development of a plan to address all Nutrition Room deficiencies;
- Accessibility upgrades to accommodate specific staff and student needs such as Universal washrooms and automatic door operators.

2. ***The school Renewal Plan is generally executed in a rolling fashion, meaning that at any given time, staff are also in the process of executing projects approved in previous renewal plans.*** There are a number of reasons for deferring the execution of a project to a later time, such as:

- Multiple projects in one school and the challenges of completing them at the same time;
- Prioritizing the completion of projects utilizing Ministry special program funds with strict completion timelines (see #3 below);
- Extensive environmental remediation (asbestos and mould) extending work beyond the period of one year;
- Competing needs for school space during the summer break (Transition programs, Focus on Youth, Child Care, etc.) have impacted project execution;
- Need for studies to further evaluate building systems and/or options to address issues;
- Project investigation/design revealing additional scope and budget increase required;
- Contractor availability; high tender prices due to market pressures may result in a decision to re-tender under better market conditions;
- Securing permits from various authorities having jurisdiction;
- Some projects are cancelled completely based on determination through further on-site investigation that the work is not required; budget allocated to those projects is available to be reallocated to other projects in future years.

Projects identified as accessibility, program and health and safety will always be prioritized for immediate completion. Additionally, building systems that have failed or are on the verge of failure will also be completed immediately.

3. ***The TCDSB Renewal Plan is limited by the amount of funding received by the Ministry.*** Funds to address the various school facility needs across Ontario are provided by the Ministry of Education. For the 2019-2020 school year, the TCDSB has received approval of the funding outlined in the table below. Each type of funding has certain restrictions associated with it. Details of these restrictions are outlined in Appendix D.

School Condition Improvement Grant (SCI)	\$43,035,559
School Renewal Allocation (SRA)	\$17,144,200
Total	\$60,179,759

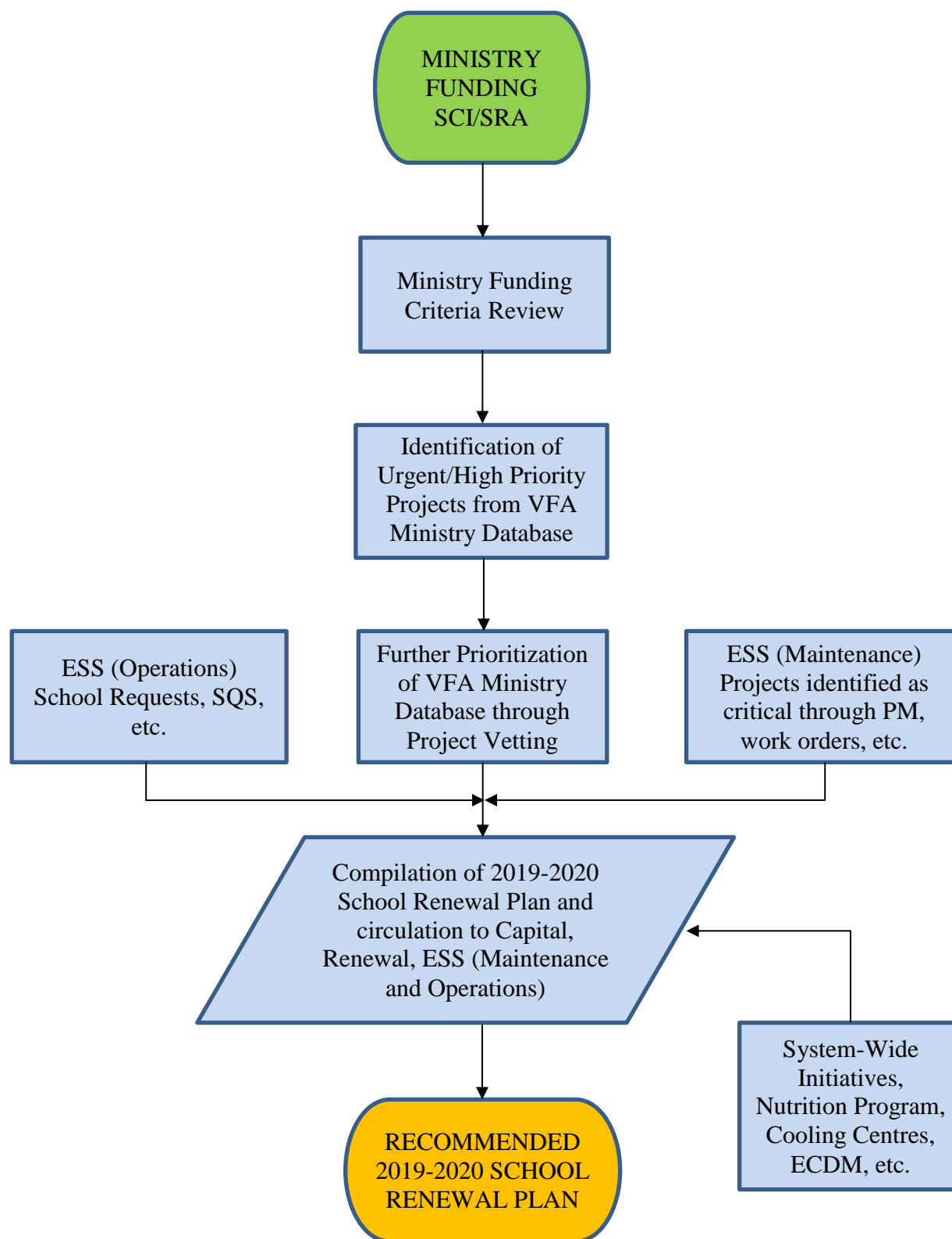
As noted above, in 2019-2020 staff will also be executing some projects deferred from previous renewal plans. Funding carried forward from previous years for cancelled projects will be available to supplement the contingency allowance to be used for unplanned urgent projects.

In prior years, the Board received one time Ministry special funding initiatives with specific expenditure timelines such as:

- Greenhouse Gas Reduction Funding, \$10.9M, completion by March 31, 2019;
- Community Hub funding, \$3.4M, completion by August 31, 2019;
- Good Places to Learn, \$42.5M and Energy \$16M to a total of \$58.5M, completion by March 31, 2013.

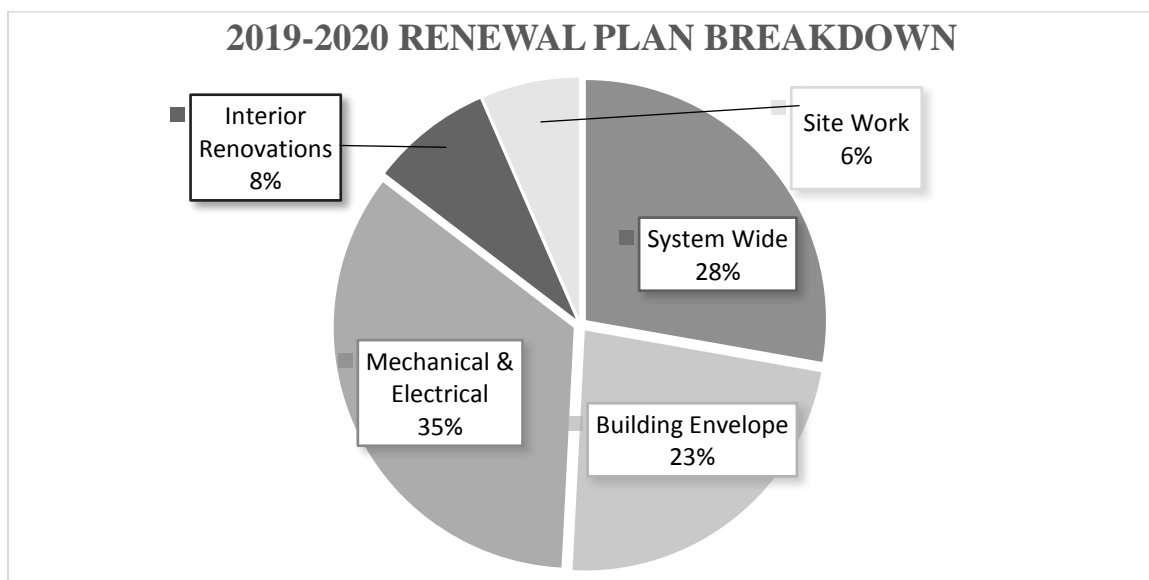
4. ***Selecting projects for inclusion in the 2019-20 Renewal Plan is an exercise of prioritization and good asset management practices.*** The process for selecting the recommended Renewal projects in the 2019-2023 plan is outlined in the flow chart below. The sections of the flow chart are further detailed in Appendix E.

Renewal Project Selection Flow Chart



D. EVIDENCE/RESEARCH/ANALYSIS

1. ***The 2019-20 Renewal Plan provides a comprehensive mix of asset renewal based on historical trends and building condition.*** The chart below shows the high level mix of investments that will be made in to the system for 2019-20 to renew schools buildings in the system. It shows that system wide initiatives will be the largest investment, followed by local asset replacements related to the building envelope and mechanical/electrical. A breakdown and further details on each category are provided below. Appendix A provides a detailed overview of proposed spending in each category. A complete list of projects planned in each category can be found in Appendix B.

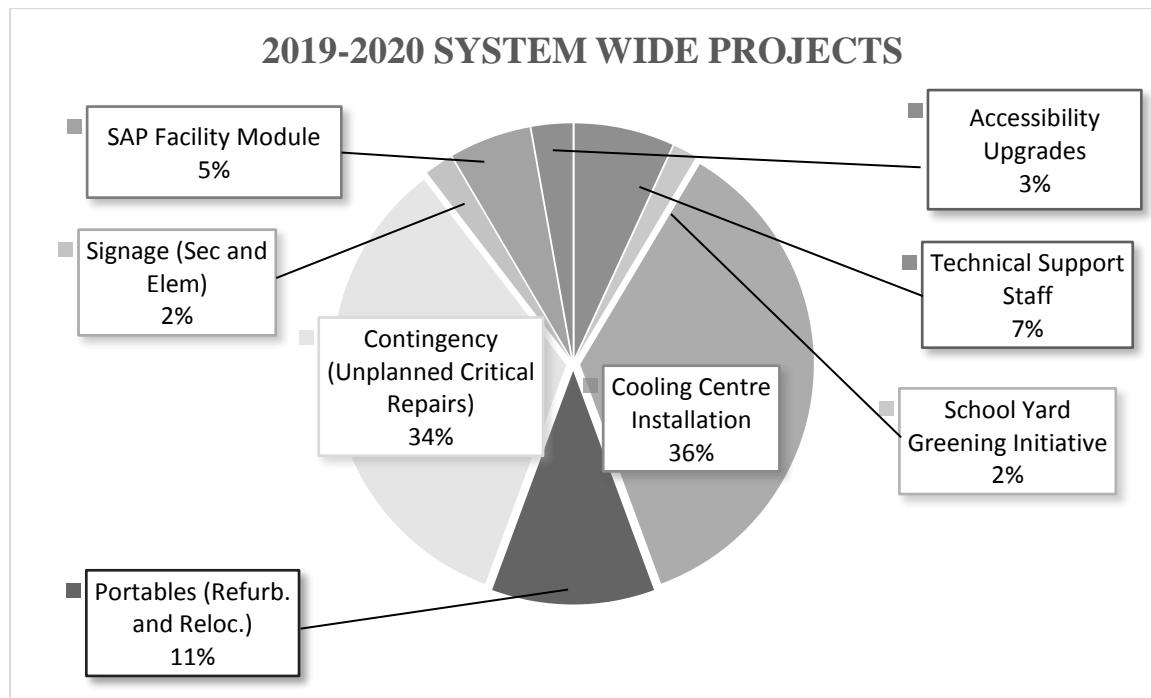


2. ***System wide initiatives vary greatly, but are meant to bring about improvements through annual targeted investment.*** This category is intended for work that is not associated with a particular school or component, but rather a broader program within the School Renewal Plan. Key elements within the System-Wide envelope include:

- \$6.35M for the implementation of the remaining Phase 1 (14 schools) and all of the Phase 2 schools (33 schools) for the Cooling Centre program. The average unit cost to implement the early Phase 1 schools have come higher than anticipated due to a variety of unforeseen conditions, site factors, increased equipment and labour costs. This represents an increase of \$2.8M to the original budget for Phase 1 and

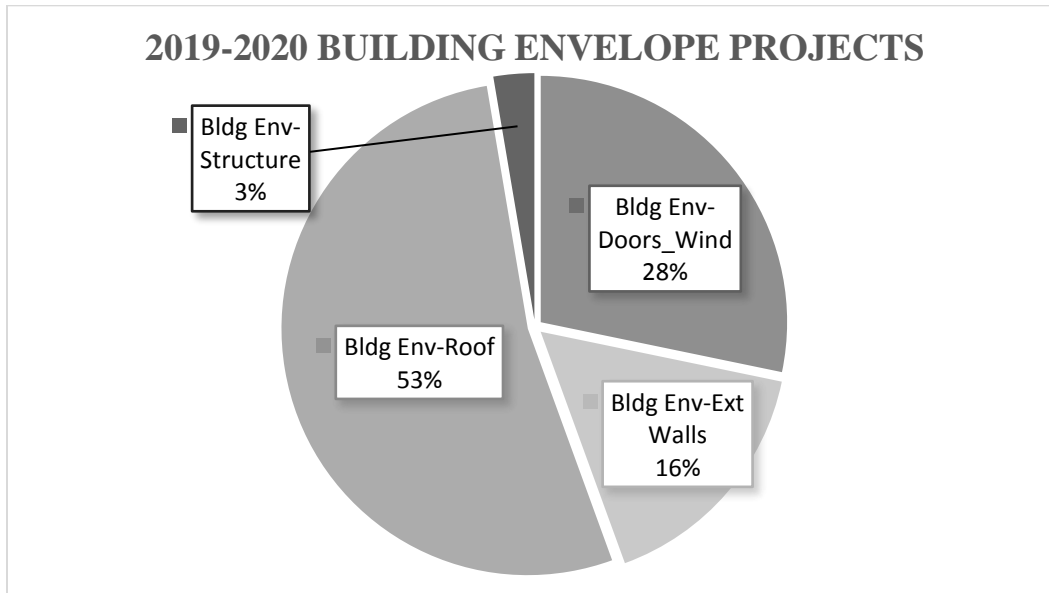
2 of the program. Continuation of the cooling centre program into year 3 and beyond is subject to future funding availability from the Ministry.

- A budget of \$2M is earmarked for portable classroom moves and major repairs. Details for this work will be provided in the annual Portable Budget report.
- The Renewal Plan further carries a budget of \$1M to implement the Facility Investment and Project Management modules in SAP. This will assist in planning and real-time tracking of projects and tie in directly to the project financials.
- The System-Wide envelope further carries a Contingency Allowance in the amount of \$6M (approximately 10% of the available Renewal funding) to address unplanned critical and urgent repairs.



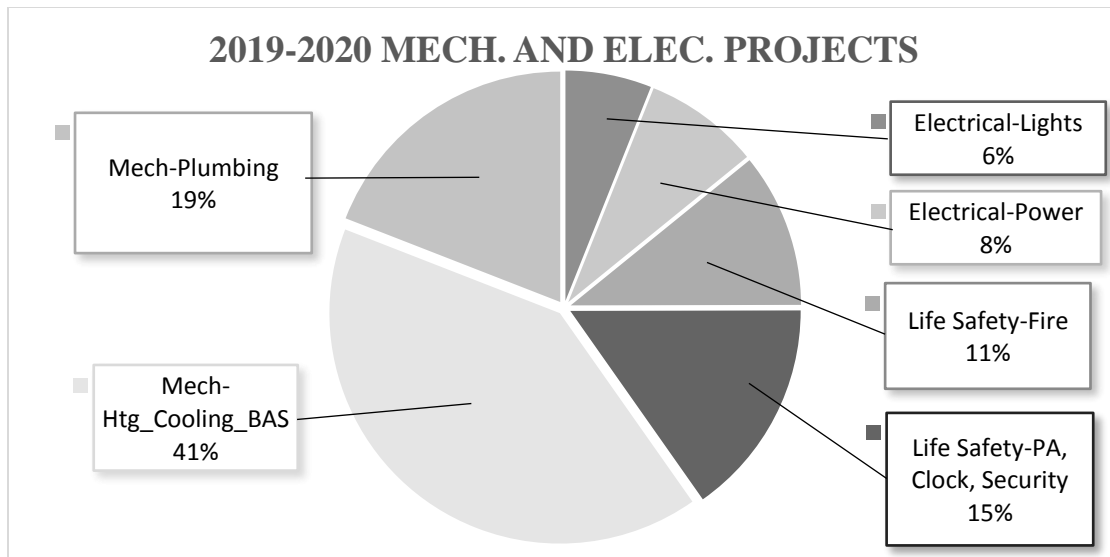
3. ***Building Envelope:***

- Projects in this category include windows, exterior doors and hardware, brick and other exterior wall repairs, roofs and structural work. Due to the age of our schools, a considerable amount of the Renewal budget is allocated in this category.



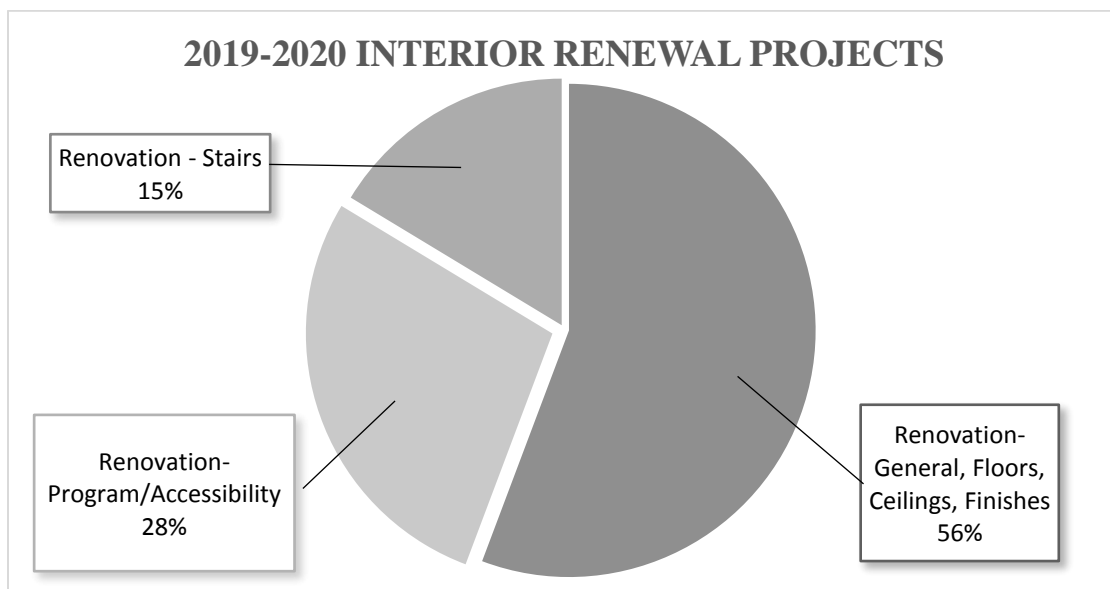
4. ***Mechanical and Electrical:***

- This category has the largest proportion of the Renewal program budget as this work encompasses complex systems such as boilers, chillers, radiators, BAS, plumbing, lighting, power, life safety (fire alarm, Public Address, exit lighting), access control and security systems.
- To reduce the Board's energy foot print, a number of projects are recommended in the Renewal plan that align with the Energy Conservation Demand Management Plan (ECDM).



5. ***Interior Renovations:***

- This category addresses general interior renovations such as the replacement of floors, ceiling tiles, interior doors, millwork and repair of walls and new stairs. Furthermore, the funding addresses accessibility and program accommodation renovations.
- Renovations to address the public health requirements of the Nutrition Programs are included in this category.



6. ***Site Works:***

- Site work projects cover the renovation of both softscape and hardscape components of school sites. Replacement of parking lot and playground pavement and site drainage required due to life cycle and wear-and-tear make up the majority of this work.

7. ***The three year Renewal Forecast has been included for “recognition” and not “approval”.*** Staff have developed a three year forecast as a good practice in asset management planning. It was developed on primarily the same basis as the 2019-20 plan, but will inevitably be less accurate and require updating as a rolling forecast each year. Unsurprisingly, the three year forecast shows the same trends in areas of investment as the 2019-20 Renewal Plan (assuming that similar levels of Ministry funding are received). Appendix A provides more detail of the proposed spending in each category of work.

E. METRICS AND ACCOUNTABILITY

1. ***A new Renewal Plan Reconciliation Report is proposed for the end of the 2019-20 cycle.*** Staff will strive to progress through previously approved Renewal projects as well as the 2019-20 Renewal Plan. As is the case with most asset management plans in many organizations, although projects are approved in one year, it is difficult to say if the plan will actually take multiple years to complete. This is owing to a few factors, but namely staffing capacity restraints, changing project and system wide priorities, supply of qualified vendors to complete the works and changing market conditions. Staff, however, recognize that the Board and public should be provided with an open reconciliation of works completed and will present an annual Renewal Plan reconciliation report commencing in the fall of 2020.
2. ***The Board regularly updates the Ministry on its progress.*** The Ministry's facility database must be updated twice a year to align with the Board's financial accountability submissions as overseen by the Board's Finance department. This is critical to the release of funding for the next cycle of projects.

F. IMPLEMENTATION, STRATEGIC COMMUNICATIONS AND STAKEHOLDER ENGAGEMENT PLAN

1. ***Communication to stakeholders within the schools is key to acceptance and success of the plan.*** Upon approval of the 2019-20 Renewal Plan, school principals, child care operators and permit groups will be informed by email of the work planned for their building as detailed in Appendix B and will be provided with a link to the Board's Facilities page on the TCDSB website where the Plan will be posted.
2. ***Communication to stakeholders at the system level ensures system leaders and school communities are aligned.*** Following approval, the Renewal Plan will be sent to Superintendents (sorted by Superintendent Area) and Trustees (sorted by Trustee Ward). A bi-annual update will be provided, as projects may be added to address critical needs that arise during the year and some projects may be deferred for various reasons. A contingency allowance is included to address unanticipated projects.
3. ***Certain projects will require heightened consultation with local schools.*** School community consultation will occur for applicable projects (for example site improvement projects). Project status will be available through the Board's website. A "Good Neighbour" letter, as per Board policy, will be mailed to neighbours adjacent to our schools where major exterior projects are undertaken, including portable classroom installations.

G. STAFF RECOMMENDATION

1. That the 2019-2020 Renewal Plan, in the budget amount of \$60,179,759.00 be approved.
2. That the three year Renewal Forecast in the estimated amount of \$180,539,277.00 be recognized for planning purposes.
3. That staff bring back a report in the fall of 2020 to reconcile and illustrate progress on the 2019-20 Renewal Plan.

2019-2023 RENEWAL BUDGET BREAKDOWN

APPENDIX A

REVENUE	2019-2020 PLAN	2020-2021	2021-2022 FORECAST	2022-2023	Total
School Condition Improvement Grant - (SCI)	\$43,035,559	\$43,035,559	\$43,035,559	\$43,035,559	\$172,142,236
School Renewal Allocation - (SRA)	\$17,144,200	\$17,144,200	\$17,144,200	\$17,144,200	\$68,576,800
REVENUE TOTAL	\$60,179,759	\$60,179,759	\$60,179,759	\$60,179,759	\$240,719,036

EXPENDITURE: SYSTEM-WIDE INITIATIVES	PLAN		FORECAST		Total
Technical Support Staff	\$1,220,000	\$1,262,700	\$1,306,895	\$1,352,636	\$5,142,230
School Yard Greening Initiatives	\$300,000	\$300,000	\$300,000	\$300,000	\$1,200,000
Cooling Centre Installation	\$6,350,892	\$3,325,000	\$3,192,000	\$0	\$12,867,892
Portables -Refurbishment & Relocation	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$8,000,000
Contingency (unplanned critical repairs)	\$5,000,000	\$6,017,976	\$6,017,976	\$6,017,976	\$23,053,928
Digital Signage (Secondary)	\$250,000	\$250,000	\$250,000	\$250,000	\$1,000,000
Signage (Elementary)	\$100,000	\$100,000	\$100,000	\$100,000	\$400,000
SAP Facility Investment and Project System Module	\$1,000,000				\$1,000,000
Accessibility upgrades	\$500,000	\$500,000	\$500,000	\$500,000	\$2,000,000
System-Wide Expenditure Initiative	\$16,720,892	\$13,755,676	\$13,666,870	\$10,520,612	\$54,664,050

SCHOOL RENEWAL	PLAN		FORECAST		Total
Building Envelope	23%	21%	20%	20%	
Roof and HVAC Fans Replacement	\$7,330,406	\$7,498,506	\$7,571,381	\$7,176,400	\$29,576,694
Windows and Doors Replacement	\$3,915,290	\$4,247,850	\$3,892,500	\$4,003,850	\$16,059,490
Exterior Walls Review and Repair	\$2,244,000	\$732,500	\$583,750	\$545,000	\$4,105,250
Structure Review and Repair	\$370,000	\$375,000	\$31,250	\$31,250	\$807,500
	\$13,859,696	\$12,853,856	\$12,078,881	\$11,756,500	\$50,548,934
Mechanical & Electrical	35%	39%	43%	43%	
Heating and Cooling Upgrades	\$8,459,779	\$9,682,500	\$12,208,750	\$12,171,850	\$42,522,879
Washrooms and Plumbing Upgrades	\$3,968,750	\$5,698,750	\$5,838,750	\$7,552,500	\$23,058,750
Security System and Public Address Upgrades	\$3,177,511	\$2,442,932	\$2,395,658	\$1,905,000	\$9,921,101
Emergency Lighting and Fire Alarm Upgrades	\$2,250,310	\$3,012,170	\$2,785,094	\$1,655,000	\$9,702,574
Electrical Upgrades	\$1,684,400	\$1,776,250	\$1,426,250	\$850,000	\$5,736,900
Lighting Upgrades	\$1,257,620	\$1,333,850	\$1,594,000	\$1,210,000	\$5,395,470
	\$20,798,371	\$23,946,452	\$26,248,502	\$25,344,350	\$96,337,675
Interior Renovations	8%	10%	8%	12%	
Renovation General for Floors, Ceilings, Finishes	\$2,715,500	\$4,169,917	\$3,873,083	\$5,438,328	\$16,196,828
Renovation for Program / Accessibility	\$1,360,750	\$1,100,000	\$655,000	\$1,450,000	\$4,565,750
Interior Stair Repairs or Replacement	\$796,250	\$613,750	\$548,750	\$406,250	\$2,365,000
	\$4,872,500	\$5,883,667	\$5,076,833	\$7,294,578	\$23,127,578
Site Work	7%	7%	6%	6%	
Site Improvements	\$3,928,300	\$4,557,500	\$3,858,750	\$3,696,250	\$16,040,800
	\$3,928,300	\$4,557,500	\$3,858,750	\$3,696,250	\$16,040,800
TOTALS EXPENDITURES	\$60,179,759	\$60,997,151	\$60,929,837	\$58,612,289	\$240,719,036

Notes:

1. * - Funding for years 2020 to 2023 is estimated based on 2019-2020 levels as noted in the Ministry of Education memo: 2019 B16, May 24, 2019

APPENDIX B

2019-2020 RECOMMENDED RENEWAL WORK

School Code	School	Type of Work	Project Description	Trustee Ward
Building Envelope - Total			\$	13,859,696.25
545	Bishop Marrocco/Thomas Merton	Exterior door	Exterior door replacement - Parking Garage Structure	4
508	Brebeuf College	Exterior door	Exterior door replacement	5
419	Cardinal Leger	Exterior door	Exterior door replacement	8
522	Dante Alighieri Academy C S	Exterior door	Exterior door replacement	5
544	Mary Ward	Exterior door	Exterior door replacement	7
239	Our Lady of Perpetual Help	Exterior door	Exterior door replacement	9
246	Our Lady of Sorrows	Exterior window	Exterior window replacement. Operators broken and parts unavailable	4
415	Sacred Heart	Exterior door	Exterior door replacement	8
415	Sacred Heart	Exterior window	Exterior window replacement	8
350	St Aidan	Exterior door	Exterior door replacement	7
361	St Angela	Exterior door	Exterior door replacement	1
361	St Angela	Exterior window	Exterior window replacement	1
243	St Anselm	Exterior door	Exterior door replacement	11
274	St Barbara	Exterior door	Exterior door replacement	12
316	St Catherine	Exterior window	Exterior window replacement	11
380	St Columba	Exterior door	Exterior door replacement	8
366	St Francis de Sales	Exterior door	Exterior door replacement	3
377	St Gabriel Lalemant	Exterior door	Exterior door replacement	8
377	St Gabriel Lalemant	Exterior window	Exterior window replacement	8
275	St James	Exterior door	Exterior door replacement	4
275	St James	Exterior window	Exterior window replacement	4
394	St Jean de Brebeuf	Exterior door	Exterior door replacement	8
305	St John Bosco	Exterior door	Exterior door replacement	6
538	St Mother Teresa Catholic Academy	Exterior door	Exterior door replacement	8
374	St Paul 6	Exterior door	Exterior door replacement	6
237	St Pius X	Exterior door	Exterior door replacement	4
216	St Rita	Exterior door	Exterior door replacement	6
Windows and Doors Replacement - Total			\$	3,915,290.00

APPENDIX B

2019-2020 RECOMMENDED RENEWAL WORK

School Code	School	Type of Work	Project Description	Trustee Ward
239	Our Lady of Perpetual Help	Building Envelope Review and Repair	Exterior brick wall and interior block wall in Gym	9
350	St Aidan	Building Envelope Review and Repair	Exterior brick and repointing	7
363	St Charles Garnier	Building Envelope Review and Repair	Exterior brick wall repairs	3
380	St Columba	Building Envelope Review and Repair	Chimney removal / restoration	8
341	St Dorothy	Building Envelope Review and Repair	Exterior metal panel walls and isolated brick repairs	1
358	St Fidelis	Building Envelope Review and Repair	Chimney removal / restoration	10
271	St Francis Xavier	Building Envelope Review and Repair	Chimney removal / restoration	10
336	St Malachy	Building Envelope Review and Repair	Exterior stucco wall repair or replacement	8
381	St Margurite Bourgeoys	Building Envelope Review and Repair	Exterior walls signs of frozen and spalling brick. Coordinate with roof	8
205	St Mary	Building Envelope Review and Repair	Exterior brick replacement, water infiltration and plaster wall repairs at staircases	9
237	St Pius X	Building Envelope Review and Repair	Exterior brick wall repairs	4

Exterior Walls Review and Repair - Total

\$

2,244,000.00

508	Brebeuf College	Roof and HVAC fans	Roof coverings and opening replacement	5
326	St Alphonsus	Roof and HVAC fans	Roof coverings and exhaust fan replacement	9
295	St Andrew	Roof and HVAC fans	Roof coverings, AHU, exhaust fan replacement	1
274	St Barbara	Roof and HVAC fans	Roof coverings and exhaust fan replacement	12
351	St Barnabas CS	Roof and HVAC fans	Roof Covering and exhaust fan replacement	8
366	St Francis de Sales	Roof and HVAC fans	Roof coverings replacement - Lower Section	3
254	St John the Evangelist (holding)(former St. Philip Neri), Building ID 7967-B01	Roof and HVAC fans	Roof coverings replacement	5
392	St John Vianney	Roof and HVAC fans	Roof coverings, AHU, exhaust fan replacement	1
264	St Lawrence CS	Roof and HVAC fans	Roof coverings and exhaust fan replacement	7
381	St Marguerite Bourgeoys CS	Roof and HVAC fans	Roof coverings and exhaust fan replacement	8

Roof and HVAC Fans Replacement - Total

\$

7,330,406.25

APPENDIX B

2019-2020 RECOMMENDED RENEWAL WORK

School Code	School	Type of Work	Project Description	Trustee Ward
526	Msgr Fraser College - West (Regina Pacis)	Structure	Structural step and settlement cracking study and repair	3
210	St Anthony	Structure	Structural step and settlement cracking study and repair	6
235	St Brigid	Structure	Waterproofing flashing detail is failed and peeling back. HS Issue	11
373	St Sylvester CS	Structure	Structural step and settlement cracking study and repair in gymnasium	7

Structure Review and Repair - Total

\$

370,000.00

Mechanical & Electrical - Total

\$

20,798,370.75

549	Bishop Allen Academy	HVAC Upgrades	Boiler replacement / pumps	4
545	Bishop Marrocco/Thomas Merton	HVAC Upgrades	BAS Upgrade - Pneumatic	4
545	Bishop Marrocco/Thomas Merton	HVAC Upgrades	HVAC pumps, Make Up Air Unit	4
212	Holy Family	HVAC Upgrades	Boilers, Terminal package units, AHU, Distribution, Hot Water	4
510	Loretto Abbey	HVAC Upgrades	Boilers, Terminal package units, AHU, Distribution, Expansion Tanks and Hot Water - Feasibility Study	5
252	Our Lady of Fatima	HVAC Upgrades	Air Cooled Chiller replacement	12
239	Our Lady of Perpetual Help	HVAC Upgrades	Boilers, Terminal package units, Distribution, Auxiliary, Hot Water	9
307	St Clement	HVAC Upgrades	Old Gymnasium ventilation issues	2
365	St Ignatius of Loyola	HVAC Upgrades	Boilers and Hot Water tank	8
	System Wide	HVAC Upgrades	VFD - Year 1 Energy Conservation	All

Heating and Cooling Upgrades - Total

\$

8,459,779.46

556	Cardinal Carter Academy for the Arts (Sec)	Mechanical Misc	Fire pump	5
282	Holy Spirit CS	Washroom Upgrades	Partitions and Fixtures	7
413	Josyf Cardinal Slipyj	Washroom Upgrades	Fixtures	2
535	Msgr Percy Johnson	Washroom Upgrades	Wall tile, Partitions and Fixtures	1
288	Nativity of Our Lord	Washroom Upgrades	Wall tile, Partitions and Fixtures	2
502	Neil McNeil	Washroom Upgrades	Renovate 2nd floor washrooms	12
350	St Aidan	Washroom Upgrades	Partitions and Fixtures	7
335	St Albert	Washroom Upgrades	Partitions and Fixtures	7
266	St Josaphat (old St Teresa CS)	Washroom Upgrades	Partitions and Fixtures	4
228	St Mary of the Angels	Washroom Upgrades	Barrier Free Washroom Addition	6

APPENDIX B

2019-2020 RECOMMENDED RENEWAL WORK

School Code	School	Type of Work	Project Description	Trustee Ward
555	St Oscar Romero/Blessed Archbishop Romero	Mechanical Misc	Sanitary/Storm Water - Condition Review	10
216	St Rita	Washroom Upgrades	Wall Tile, Partitions and Fixtures	6
269	St Rose of Lima	Washroom Upgrades	Washroom upgrades - 2 Sets	12
284	St Stephen	Washroom Upgrades	Partitions and Fixtures	1

Washrooms and Plumbing Upgrades - Total

\$

3,968,750.00

556	Cardinal Carter Academy for the Arts	PA & Security System Upgrades	PA system upgrade/replacement	5
509	Chaminade College	PA & Security System Upgrades	PA system upgrade/replacement	10
391	Father Serra	PA & Security System Upgrades	PA system upgrade/replacement	2
544	Mary Ward Linc & ESL	PA & Security System Upgrades	PA system upgrade/replacement	7
222	Msgr Fraser College (St Martin)	PA & Security System Upgrades	PA system upgrade/replacement	9
358	St Fidelis	PA & Security System Upgrades	PA system upgrade/replacement	10
332	St Mark	PA & Security System Upgrades	PA system upgrade/replacement	4
255	St Nicholas of Bari	PA & Security System Upgrades	PA system upgrade/replacement in conjunction with Childcare	5
313	St Wilfrid	PA & Security System Upgrades	PA system upgrade/replacement	3
1	System Wide	PA & Security System Upgrades	System Wide Access Control Upgrade Phase Five	All

Security System and Public Address Upgrades - Total

\$

3,177,511.29

226	Blessed Sacrament	Fire Alarm Upgrades	Fire alarm system upgrades	5
556	Cardinal Carter Academy for the Arts	Fire Alarm Upgrades	Fire alarm system upgrades	5
509	Chaminade College	Fire Alarm Upgrades	Fire alarm system upgrades	10
242	Holy Cross	Fire Alarm Upgrades	Fire alarm system upgrades	11
533	Msgr Fraser College - Toronto Campus	Fire Alarm Upgrades	Fire alarm system upgrades	9
222	Msgr Fraser College (St Martin)	Fire Alarm Upgrades	Fire alarm system upgrades	9
358	St Fidelis	Fire Alarm Upgrades	Fire alarm system upgrades	10
366	St Francis de Sales	Fire Alarm Upgrades	Fire alarm system upgrades	3
332	St Mark	Fire Alarm Upgrades	Fire alarm system upgrades	4
205	St Mary	Fire Alarm Upgrades	Fire alarm system upgrades	9
313	St Wilfrid	Fire Alarm Upgrades	Fire alarm system upgrades	3

APPENDIX B

2019-2020 RECOMMENDED RENEWAL WORK

School Code	School	Type of Work	Project Description	Trustee Ward
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Emergency Lighting and Fire Alarm Upgrades - Total

\$

2,250,310.00

509	Chaminade College	Electrical Upgrades	Electrical service and distribution - Panel (220, 120 V) - Original and Addition 1	10
391	Father Serra	Electrical Upgrades	Electrical service and distribution - Panel (220, 120 V) - Original	2
242	Holy Cross	Electrical Upgrades	Electrical service and distribution - Original Fuse boxes	11
544	Mary Ward	Electrical Upgrades	Voltage harmonizers	7
252	Our Lady of Fatima	Electrical Upgrades	Voltage harmonizers	12
235	St Brigid	Electrical Upgrades	Electrical service and distribution - Panel	11
260	St Maria Goretti	Electrical Upgrades	Voltage Harmonizers	12
344	St Martha	Electrical Upgrades	Electrical service and distribution - Main Switchboard	5
248	St Theresa Shrine	Electrical Upgrades	Electrical breaker upgrade	12
	System Wide	Electrical Upgrades	Voltage harmonizers - Year 1 Energy Conservation	All

Electrical Upgrades - Total

\$

1,684,400.00

226	Blessed Sacrament	Lighting Upgrades	Lighting and branch wiring - Emergency lighting - Battery back-ups	5
556	Cardinal Carter Academy for the Arts	Lighting Upgrades	Lighting and branch wiring - Exit lighting and Signs	5
509	Chaminade College	Lighting Upgrades	Lighting and branch wiring - Emergency lighting - Battery back-ups	10
509	Chaminade College	Lighting Upgrades	Other Electrical - Emergency lighting and Power - Inverter	10
509	Chaminade College	Lighting Upgrades	Interior lighting upgrades	10
391	Father Serra	Lighting Upgrades	Lighting and branch wiring - Emergency lighting - Battery back-ups - Original and Addition 1	2
391	Father Serra	Lighting Upgrades	Lighting and branch wiring - Exit lighting and signs = Original - Addition 1	2
533	Msgr Fraser College - Toronto Campus	Lighting Upgrades	Lighting and branch wiring - Emergency lighting - Battery back-ups	9
533	Msgr Fraser College - Toronto Campus	Lighting Upgrades	Lighting and branch wiring - Exit lighting and signs	9
526	Msgr Fraser College - West (Regina Pacis)	Lighting Upgrades	Lighting Equipment - Entire Building - Emergency lighting	3
222	Msgr Fraser College (St Martin)	Lighting Upgrades	Lighting Equipment - Entire Building - Interior lighting	9
358	St Fidelis	Lighting Upgrades	Lighting Upgrades - T8 in Original Fixtures	10

APPENDIX B

2019-2020 RECOMMENDED RENEWAL WORK

School Code	School	Type of Work	Project Description	Trustee Ward
313	St Wilfrid	Lighting Upgrades	Lighting and branch wiring - Emergency lighting - Battery back-ups	3
313	St Wilfrid	Lighting Upgrades	Lighting and branch wiring - Exit lighting and signs	3
Lighting Upgrades - Total		\$		1,257,620.00
Interior Renovations - Total		\$		4,872,500.00
226	Blessed Sacrament	Finishes - Add on	Ceiling replacement	5
508	Brebeuf College	Finishes	Floor finishes and stair treads	5
556	Cardinal Carter Academy for the Arts	Finishes - Add on	Ceiling replacement	5
391	Father Serra	Finishes - Add on	Ceiling replacement	2
242	Holy Cross	Finishes - Add on	Ceiling replacement	11
526	Msgr Fraser College - West (Regina Pacis)	Finishes - Add on	Ceiling replacement	3
222	Msgr Fraser College (St Martin)	Finishes - Add on	Ceiling replacement	9
502	Neil McNeil	Finishes	Floor Finishes - Gym hardwood floor	12
502	Neil McNeil	Finishes	Floor Finishes - Vinyl tile	12
253	Our Lady of Peace	Fittings	Millwork replacement	2
239	Our Lady of Perpetual Help	Finishes	Floor Finishes replacement	9
274	St Barbara	Finishes	Replace 1x1 ceiling tiles with drop ceiling	12
425	St Bede	Finishes	Floor Finishes replacement	8
277	St Boniface	Finishes	Replace VCT tile in gym, paint gym stairwells	12
214	St Clare	Finishes	Terrazzo flooring	6
358	St Fidelis	Finishes - Add on	Ceiling replacement	10
531	St John Paul II	Finishes	Floor Finishes replacement - Corridor	12
266	St Josaphat (old St Teresa CS)	Finishes	VCT in Gym	4
249	St Margaret	Finishes	Floor Finishes - Vinyl tile	5

APPENDIX B

2019-2020 RECOMMENDED RENEWAL WORK

School Code	School	Type of Work	Project Description	Trustee Ward
332	St Mark	Finishes - Add on	Ceiling replacement	4
255	St Nicholas of Bari	Finishes	Tectum wall panels in Gym	5
216	St Rita	Finishes	Tectum wall panels in Gym	6
313	St Wilfrid	Finishes - Add on	Ceiling replacement	3

Renovation General for Floors, Ceilings, - Total

\$

2,715,500.00

522	Dante Alighieri Academy C S	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	5
522	Dante Alighieri Academy C S	Renovation Program	Consulting and Permit Fees	5
215	Holy Name	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	11
222	Monsignor Percy Johnson C.H.S.	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	9
372	Our Lady of Grace	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	8
326	St Alphonsus	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	9
513	St Basil the Great College	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	3
363	St Charles Garnier	Renovation Program	Replace Folding wall partition	3
366	St Francis de Sales	Renovation Program	Dividing Rooms - Library	3
366	St Francis de Sales	Renovation Program	Dividing Rooms - Classrooms	3
377	St Gabriel Lalemant	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	8
208	St Helen	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	6
300	St Kevin	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	7
260	St Maria Goretti	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	12
306	St Ursula C.S.	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	12

Renovation for Program / Accessibility - Total

\$

1,360,750.00

APPENDIX B

2019-2020 RECOMMENDED RENEWAL WORK

School Code	School	Type of Work	Project Description	Trustee Ward
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290	All Saints	Interior Stairs	Interior stairs repair or replacement	2
509	Chaminade College	Interior Stairs	Interior stairs repair or replacement - Scope and Budget Increase	10
239	Our Lady of Perpetual Help	Interior Stairs	Interior stairs repair or replacement - Scope and Budget Increase	9
361	St Angela	Interior Stairs	Interior stairs repair or replacement. Lower sections	1

Interior Stair Repairs or Replacement - Total \$ 796,250.00

Site Work - Total	\$	3,928,300.00
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299	Annunciation	Hardscape	Asphalt parking lot, Play surface and Underground utilities	11
508	Brebeuf College	Hardscape	Asphalt parking lot - 25%	5
508	Brebeuf College	Hardscape	Interlocking steps failed and deteriorated	5
318	D'Arcy McGee	Hardscape	Exterior Stairs (2) West	9
318	D'Arcy McGee	Hardscape	Asphalt parking lot	9
529	Michael Power/St Joseph CSS (Lea frTDSB - Bill30)	Hardscape	Asphalt parking lot and pedestrian paving	2
274	St Barbara	Hardscape	Asphalt parking and playground including installation of catch basin, pedestrian paving and fencing	12
235	St Brigid	Hardscape	Storm Water Review - Catch basin Play ground	11
396	St Conrad C.S.	Hardscape	Waste Removal - Reconfiguration	5
271	St Francis Xavier	Hardscape	Interlocking steps failed and deteriorated	10
294	St Jerome	Hardscape	Asphalt parking lot, playground, soccer field, pedestrian paving, fences	5
220	St John	Hardscape	Site redevelopment	11
220	St John	Hardscape	Foundation work	11
311	St Marcellus	Hardscape	Asphalt parking lot - South	2
313	St Wilfrid	Softscape	FDK Yard Improvements.	3

Site Improvements - Total \$ 3,928,300.00

APPENDIX C

2020-2023 RECOMMENDED RENEWAL WORK

School Code	School	Type of Work	Project Description	Trustee Ward
Building Envelope - Total			\$	36,689,237.50
519	Blessed Cardinal Newman	Exterior Windows	Exterior Window Renewal	12
289	Blessed Trinity	Exterior Doors	Exterior door renewal	11
212	Holy Family	Exterior Doors	Exterior Door Renewal	4
527	James Cardinal McGuigan	Exterior Doors	Exterior door renewal	3
510	Loretto Abbey	Exterior Windows	Exterior Windows Renewal	5
544	Mary Ward	Exterior Windows	Exterior Windows Renewal	7
533	Msgr Fraser College - Isabella North	Exterior Doors	Exterior door renewal	9
533	Msgr Fraser College - Isabella North	Exterior Windows	Exterior Windows Renewal	9
364	Msgr Fraser College - Midland, Building ID 7318-B01	Exterior Windows	Exterior Windows Renewal	7
222	Msgr Fraser College (St Martin)	Exterior Doors	Exterior Door Renewal	9
222	Msgr Fraser College (St Martin)	Exterior Windows	Exterior Windows Renewal - West Façade	9
343	Msgr Fraser College Annex Campus (St. Peter)	Exterior Doors	Exterior Door Renewal	9
343	Msgr Fraser College Annex Campus (St. Peter)	Exterior Windows	Exterior Windows Renewal	9
364	Msgr. Fraser -- Scarborough Campus (Formerly Our Lady of Good Counsel CS)	Exterior Windows	Exterior Windows Renewal	7
372	Our Lady of Grace	Exterior Doors	Exterior door renewal	8
372	Our Lady of Grace	Exterior Windows	Exterior Window Renewal	8
247	Our Lady of Victory	Exterior Doors	Exterior door renewal	10
416	Prince of Peace	Exterior Doors	Exterior door renewal	8
416	Prince of Peace	Exterior Windows	Exterior Windows Renewal	8
328	St Augustine of Canterbury CS	Exterior Doors	Replace exterior doors	3
351	St Barnabas CS	Exterior Windows	Exterior Window Renewal	8
334	St Bartholomew CS	Exterior Windows	Exterior Windows Renewal	8
425	St Bede	Exterior Doors	Exterior door renewal	8
263	St Bonaventure	Exterior Windows	Exterior Window Renewal	11
363	St Charles Garnier	Exterior Doors	Exterior door renewal	3
467	St Dominic Savio	Exterior Doors	Exterior door renewal	8
386	St Elizabeth Seton	Exterior Doors	Exterior door renewal	8
386	St Elizabeth Seton	Exterior Windows	Exterior Window Renewal	8

APPENDIX C

2020-2023 RECOMMENDED RENEWAL WORK

School Code	School	Type of Work	Project Description	Trustee Ward
385	St Florence	Exterior Doors	Exterior door renewal	8
385	St Florence	Exterior Windows	Exterior Window Renewal	8
271	St Francis Xavier	Exterior Doors	Exterior Door Replacement	10
346	St Gerard Majella (LEASED)	Exterior Windows	Exterior Window Renewal	3
208	St Helen	Exterior Doors	Exterior door renewal	6
395	St Henry	Exterior Windows	Exterior Windows Renewal	7
365	St Ignatius of Loyola	Exterior Doors	Exterior door renewal	8
365	St Ignatius of Loyola	Exterior Windows	Exterior Window Renewal	8
315	St Isaac Jogues	Exterior Doors	Exterior Doors Renewal	11
296	St Jane Frances	Exterior Doors	Exterior door renewal	3
292	St Joachim	Exterior Windows	Exterior Windows Renewal - Library	12
531	St John Paul II	Exterior Doors	Exterior Door Replacement	12
254	St John the Evangelist (holding)(former St. Philip Neri), Building ID 7967-B01	Exterior Windows	Exterior Window Renewal	5
392	St John Vianney	Exterior Windows	Exterior Windows	1
279	St Jude	Exterior Windows	Window Operators Broke.	3
331	St Louis	Exterior Doors	Exterior Door Renewal	4
331	St Louis	Exterior Windows	Exterior Window Renewal	4
336	St Malachy	Exterior Doors	Exterior door renewal	8
379	St Maurice	Exterior Doors	Exterior door renewal	1
255	St Nicholas of Bari	Exterior Doors	Exterior Doors Renewal	5
518	St Patrick Catholic CSS (Leased from TDSB - Bill30)	Exterior Windows	Exterior Windows Renewal	9
204	St Paul	Exterior Doors	Exterior Door Replacement	9
408	St Rene Goupil	Exterior Doors	Exterior door renewal	8
408	St Rene Goupil	Exterior Windows	Exterior Windows Renewal	8
269	St Rose of Lima	Exterior Windows	Exterior Windows Renewal	12
236	St Thomas Aquinas	Exterior Doors	Exterior Door Replacement	9
322	St Thomas More	Exterior Doors	Exterior door renewal	12
414	The Divine Infant	Exterior Doors	Exterior door renewal	8
276	Transfiguration	Exterior Doors	Exterior Door Replacement	2

Windows and Doors Replacement - Total

\$

12,144,200.00

APPENDIX C

2020-2023 RECOMMENDED RENEWAL WORK

School Code	School	Type of Work	Project Description	Trustee Ward
524	Francis Libermann	Building Envelope Review and Repair	Exterior Walls - Stucco	8
554	Jean Vanier Catholic CSS (Lease from TDSB - Bill30)	Building Envelope Review and Repair	Water infiltration in the mechanical room. Significant mortar deterioration to the point that bricks can be removed.	7
345	St Agnes	Building Envelope Review and Repair	Exterior brick replacement and foundation repair	5
326	St Alphonsus	Building Envelope Review and Repair	Exterior Walls Brick	9
328	St Augustine of Canterbury CS	Building Envelope Review and Repair	Chimney restoration	3
351	St Barnabas CS	Building Envelope Review and Repair	Exterior Wall - Flexural crack library	8
267	St Benedict	Building Envelope Review and Repair	Chimney Review and repair	1
261	St Bernard	Building Envelope Review and Repair	Exterior brick and foundation restoration	10
250	St Charles	Building Envelope Review and Repair	Exterior Brick and repointing. Chimney Repairs	5
307	St Clement	Building Envelope Review and Repair	Chimney Repair spalling brick. Isolated brick repair	2
310	St Denis	Building Envelope Review and Repair	Chimney Repairs	11
356	St Edmund Campion	Building Envelope Review and Repair	East facing wall gym water penetration	12
365	St Ignatius of Loyola	Building Envelope Review and Repair	Exterior brick replacement and foundation repair	8
305	St John Bosco	Building Envelope Review and Repair	Exterior Walls and Soffit	6
529	St Joseph	Building Envelope Review and Repair	Exterior Canopies	2
264	St Lawrence CS	Building Envelope Review and Repair	Exterior brick work completed in 2018 was limited to front elevation. There is still some delaminating bricks above the window level that need to be replaced.	7
286	St Martin de Porres	Building Envelope Review and Repair	Chimney Review and repair	12
240	St Matthew	Building Envelope Review and Repair	Chimney Review and repair	10
204	St Paul	Building Envelope Review and Repair	Chimney Review and repair	9
236	St Thomas Aquinas	Building Envelope Review and Repair	Chimney Review and repair	9

Exterior Walls Review and Repair - Total

\$

1,861,250.00

APPENDIX C

2020-2023 RECOMMENDED RENEWAL WORK

School Code	School	Type of Work	Project Description	Trustee Ward
549	Bishop Allen Academy	Roof and HVAC Fans	Roof Openings Renewal - Skylights Domed Acrylic Renewal	4
409	Blessed Margherita of Citta Castello	Roof and HVAC Fans	Roof Openings Renewal - Skylights Domed Acrylic Renewal	3
289	Blessed Trinity	Roof and HVAC Fans	Roof Coverings and Exhaust Fan Renewal	11
251	Canadian Martyrs	Roof and HVAC Fans	Roof and Exhaust Fan Renewal - Upper Roof 2.2	11
391	Father Serra	Roof and HVAC Fans	Roof Openings Renewal - Skylight - Clerestory of Gym Renewal	2
242	Holy Cross	Roof and HVAC Fans	Roof Openings Renewal - Skylight	11
353	Holy Redeemer (CLOSED)	Roof and HVAC Fans	Roof Coverings and Exhaust Fan Renewal	11
554	Jean Vanier Catholic CSS (Lease from TDSB - Bill30)	Roof and HVAC Fans	Roof Coverings and Exhaust Fan Renewal - BUR/EPDM	7
511	Loretto College	Roof and HVAC Fans	Roof Covering Renewal - Metal Roof	6
506	Madonna Catholic SS	Roof and HVAC Fans	Roof Covering Renewal - Mod Bit Section	5
544	Mary Ward	Roof and HVAC Fans	Roof Openings Renewal - Metal Roof and Skylight	7
529	Michael Power/St Joseph CSS (Lea frTDSB - Bill30)	Roof and HVAC Fans	Roof Openings Renewal - Skylight Windows -Library and Domed Renewal	2
222	Msgr Fraser College (St Martin)	Roof and HVAC Fans	Roof Coverings - Section 1.0 - 3.0 and Exhaust Renewal	9
501	Notre Dame	Roof and HVAC Fans	Roof Coverings - Sections 1.0, 4.0, 5.0, 6.0, 7.0, 8.0 and Exhaust Fan Renewal	11
360	Our Lady of Mount Carmel	Roof and HVAC Fans	Roof Coverings and Exhaust Fan Renewal	11
247	Our Lady of Victory	Roof and HVAC Fans	Roof Coverings Renewal	10
347	Pope Francis	Roof and HVAC Fans	Roof Coverings and Exhaust Fan Renewal	9
362	Regina Mundi	Roof and HVAC Fans	Roof Coverings and Exhaust Fan Renewal	5
415	Sacred Heart	Roof and HVAC Fans	Roof Openings - Skylight	8
376	St Bruno-St Raymond	Roof and HVAC Fans	Roof Coverings Renewal - Metal Roof Assembly System	9
316	St Catherine	Roof and HVAC Fans	Roof Coverings and Exhaust Fan Renewal	11
363	St Charles Garnier	Roof and HVAC Fans	Roof Coverings and Exhaust Fan Renewal - Lower Roof 35%	3
214	St Clare	Roof and HVAC Fans	Roof Coverings and Exhaust Fan Renewal	6
380	St Columba	Roof and HVAC Fans	Roof Coverings and Exhaust Fan Renewal	8
380	St Cyril	Roof and HVAC Fans	Roof Coverings and Exhaust Fan Renewal	8
467	St Dominic Savio	Roof and HVAC Fans	Roof Coverings and Exhaust Fan Renewal - Shingled Roof Area	8
341	St Dorothy	Roof and HVAC Fans	Roof Coverings, AHU, Exhaust Fan Renewal	1
385	St Florence	Roof and HVAC Fans	Roof Coverings and Exhaust Fan Renewal	8
346	St Gerard Majella (LEASED)	Roof and HVAC Fans	Roof Coverings, AHU, Exhaust Fan Renewal	3
262	St Gregory	Roof and HVAC Fans	Roof Coverings Renewal	2
365	St Ignatius of Loyola	Roof and HVAC Fans	Roof Covering - Skylights	8
296	St Jane Frances	Roof and HVAC Fans	Roof Coverings Renewal	3
501	St Josephs College	Roof and HVAC Fans	Roof Coverings, AHU, Exhaust Fan Renewal	11

APPENDIX C

2020-2023 RECOMMENDED RENEWAL WORK

School Code	School	Type of Work	Project Description	Trustee Ward
333	St Leo	Roof and HVAC Fans	Roof Coverings and Exhaust Fan Renewal	4
331	St Louis	Roof and HVAC Fans	Roof Coverings Renewal	4
344	St Martha S	Roof and HVAC Fans	Roof Openings Renewal - Clerestory Renewal	5
387	St Michael	Roof and HVAC Fans	Roof Coverings Renewal	9
408	St Rene Goupil	Roof and HVAC Fans	Roof Coverings, AHU, Exhaust Fan Renewal	8
373	St Sylvester CS	Roof and HVAC Fans	Roof Coverings Renewal	7
236	St Thomas Aquinas	Roof and HVAC Fans	Roof Coverings, AHU, Exhaust Fan Renewal	9
322	St Thomas More	Roof and HVAC Fans	Roof Covering and Exhaust Fan Renewal	12
Roof and HVAC Fans Replacement - Total			\$	22,246,287.50
281	Immaculate Conception	Structure	Foundation and Structural Wall crack	10
502	Neil McNeil	Structure	Assessment of foundation around gym and change rooms	12
247	Our Lady of Victory	Structure	Foundation wall crack water infiltration	10
394	St Jean de Brebeuf	Structure	Foundation Repair	8
Structure Review and Repair - Total			\$	437,500.00

APPENDIX C

2020-2023 RECOMMENDED RENEWAL WORK

School Code	School	Type of Work	Project Description	Trustee Ward
Mechanical & Electrical - Total			\$	75,539,303.90
299	Annunciation	HVAC Upgrades	Boilers and Terminal Package	11
226	Blessed Sacrament	HVAC Upgrades	Boilers, Terminal Package, Distribution, Expansion Tanks and Hot Water	5
318	D'Arcy McGee	HVAC Upgrades	Terminal and Package Units,	9
318	D'Arcy McGee	HVAC Upgrades	BAS Upgrade - Pneumatic	9
242	Holy Cross	HVAC Upgrades	BAS System Upgrade - Multiple control systems throughout building	11
215	Holy Name	HVAC Upgrades	BAS System Upgrade - Multiple control systems throughout building	11
272	Immaculate Heart of Mary	HVAC Upgrades	Terminal Package Units	12
527	James Cardinal McGuigan	HVAC Upgrades	BAS Upgrade - Pneumatic	3
527	James Cardinal McGuigan	HVAC Upgrades	HVAC Pumps	3
325	James Culnan	HVAC Upgrades	BAS Upgrade - Pneumatic	4
325	James Culnan	HVAC Upgrades	Terminal Package, AHU, Distribution	4
340	Mother Cabrini CS	HVAC Upgrades	BAS Upgrade - Pneumatic	2
340	Mother Cabrini CS	HVAC Upgrades	Terminal Package, AHU, Distribution, Hot Water	2
364	Msgr Fraser College - Midland, Building ID	HVAC Upgrades	Hot Water Boilers	7
533	Msgr Fraser College - Toronto Campus	HVAC Upgrades	AHU and RTU	9
222	Msgr Fraser College (St Martin)	HVAC Upgrades	Exhaust Systems - Entire Building Renewal	9
343	Msgr Fraser College Annex Campus (St. Peter)	HVAC Upgrades	Boilers, Stacks, Auxiliary, Hot Water	9
502	Neil McNeil	HVAC Upgrades	Terminal Package Replacement	12
501	Notre Dame	HVAC Upgrades	Boilers, Terminal Package, Auxiliary and BAS Controls	11
360	Our Lady of Mount Carmel	HVAC Upgrades	Boilers, Terminal Package, Distribution	11
347	Pope Francis	HVAC Upgrades	BAS Upgrade - Pneumatic	9
347	Pope Francis	HVAC Upgrades	AHU, Distribution	9
367	Senhor Santo Cristo	HVAC Upgrades	BAS Upgrade - Pneumatic	11
295	St Andrew	HVAC Upgrades	Terminal Package, BAS Controls, Make Up AHU	1
339	St Antoine Daniel	HVAC Upgrades	Boilers	5
351	St Barnabas CS	HVAC Upgrades	Terminal Package Units	8
277	St Boniface	HVAC Upgrades	RTU Renewal	12

APPENDIX C

2020-2023 RECOMMENDED RENEWAL WORK

School Code	School	Type of Work	Project Description	Trustee Ward
277	St Boniface	HVAC Upgrades	Terminal Package Units	12
277	St Boniface	HVAC Upgrades	Exhaust Systems - 1963 Original and 1961 Addition Renewal	12
376	St Bruno-St Raymond	HVAC Upgrades	Boilers, AHU, Distribution, Hot Water	9
376	St Bruno-St Raymond	HVAC Upgrades	BAS Upgrade - Pneumatic	9
307	St Clement	HVAC Upgrades	Terminal Package Replacement	2
341	St Dorothy	HVAC Upgrades	HVAC - (4) Fan Coil Units in the Portapaks	1
356	St Edmund Campion	HVAC Upgrades	Boiler, Terminal Units and Controls	12
278	St Elizabeth	HVAC Upgrades	Terminal Package and Distribution	4
278	St Elizabeth	HVAC Upgrades	BAS Upgrade - Pneumatic	4
358	St Fidelis	HVAC Upgrades	BAS Upgrade - Pneumatic	10
271	St Francis Xavier	HVAC Upgrades	Boilers, Terminal Package, Distribution, Hot Water	10
346	St Gerard Majella (LEASED)	HVAC Upgrades	Boilers, Terminal Package, Stacks, Auxiliary	3
315	St Isaac Jogues	HVAC Upgrades	Boilers, Terminal Package, Distribution	11
254	St John the Evangelist (holding)(former St. Philip Neri), Building ID 7967-B01	HVAC Upgrades	Boilers, Terminal Packages, Stacks and Auxiliary	5
393	St Kateri Tekakwitha	HVAC Upgrades	Boilers, AHU, Distribution, Hot Water, Auxiliary	11
300	St Kevin	HVAC Upgrades	Terminal Package Replacement	7
336	St Malachy	HVAC Upgrades	Terminal Package Replacement	8
311	St Marcellus	HVAC Upgrades	Boilers, Auxiliary	2
249	St Margaret	HVAC Upgrades	Boilers, Terminal Package, AHU, Distribution, Auxiliary	5
344	St Martha S	HVAC Upgrades	Terminal Package Replacement	5
344	St Martha S	HVAC Upgrades	Exhaust Systems Renewal	5
286	St Martin De Porres CS	HVAC Upgrades	Exhaust Systems - Entire Building Renewal	12
205	St Mary	HVAC Upgrades	Terminal Package Replacement	9
224	St Monica	HVAC Upgrades	Boilers, Terminal Package, Hot Water, Auxiliary	11
285	St Raphael	HVAC Upgrades	Terminal Package Replacement	5
320	St Roch	HVAC Upgrades	Terminal Package Replacement	3
313	St Wilfrid	HVAC Upgrades	Boilers, Terminal Package, Stacks	3
1	System Wide	HVAC Upgrades	VFD - Year 2 Energy Conservation	All
1	System Wide	HVAC Upgrades	VFD - Year 3 Energy Conservation	All
1	System Wide	HVAC Upgrades	VFD - Year 4 Energy Conservation	All

Heating and Cooling Upgrades - Total

\$

34,063,100.00

APPENDIX C

2020-2023 RECOMMENDED RENEWAL WORK

School Code	School	Type of Work	Project Description	Trustee Ward
549	Bishop Allen Academy	Washroom Upgrades	Wall tile, terrazzo, fixtures, partitions	4
545	Bishop Marrocco/Thomas Merton	Mechanical Misc	Storm/Sanitary Sewer Condition Review	1
519	Blessed Cardinal Newman	Washroom Upgrades	Wall tile, partitions, fixtures	12
289	Blessed Trinity	Washroom Upgrades	Partitions and Fixtures	11
524	Francis Libermann	Washroom Upgrades	Partitions and Fixtures	8
527	James Cardinal McGuigan	Washroom Upgrades	Wall tile, partitions, fixtures	3
561	Marshall McLuhan	Washroom Upgrades	Partitions and Fixtures	5
529	Michael Power/St Joseph CSS (Lea frTDSB - Bill30)	Mechanical Misc	Hot Water Tanks (3) 60 Gallons	2
526	Msgr Fraser College - West (Regina Pacis)	Washroom Upgrades	Partitions and Fixtures	3
222	Msgr Fraser College (St Martin)	Washroom Upgrades	Fixtures	9
343	Msgr Fraser College Annex Campus (St. Peter)	Washroom Upgrades	Partitions and Fixtures	9
501	Notre Dame	Washroom Upgrades	Partitions	11
372	Our Lady of Grace	Washroom Upgrades	Toilet partitions, toilets, Bradley's and tiles	8
221	Our Lady of Lourdes	Washroom Upgrades	Partitions and Fixtures	9
360	Our Lady of Mount Carmel	Washroom Upgrades	Partitions and Fixtures	11
415	Sacred Heart	Washroom Upgrades	Partitions and Fixtures	8
368	Santa Maria	Washroom Upgrades	Washroom Upgrades	10
505	Senator O'Connor College	Washroom Upgrades	Wall tile, partitions, fixtures	11
367	Senhor Santo Cristo	Washroom Upgrades	Floor, Partitions, fixtures	11
302	St Agatha	Washroom Upgrades	Partitions and Fixtures	12
345	St Agnes	Washroom Upgrades	Replace washrooms	5
361	St Angela	Washroom Upgrades	Partitions and Fixtures	1
513	St Basil the Great College	Washroom Upgrades	Partitions	3
327	St Bernadette	Washroom Upgrades	Fixtures and Accessories	11
261	St Bernard	Washroom Upgrades	Wall tile, partitions, fixtures	10
363	St Charles Garnier	Washroom Upgrades	Partitions and Fixtures	3
214	St Clare	Washroom Upgrades	Washroom Upgrades	6
380	St Columba	Washroom Upgrades	Partitions and Fixtures	8
384	St Demetrius	Washroom Upgrades	Washroom Upgrades	2
341	St Dorothy	Washroom Upgrades	Partitions and Fixtures	1

APPENDIX C

2020-2023 RECOMMENDED RENEWAL WORK

School Code	School	Type of Work	Project Description	Trustee Ward
278	St Elizabeth	Washroom Upgrades	Replace boys and girls washroom	4
386	St Elizabeth Seton	Washroom Upgrades	Partitions and Fixtures	8
385	St Florence	Washroom Upgrades	Partitions and Fixtures	8
366	St Francis de Sales	Washroom Upgrades	Partitions and Fixtures	3
346	St Gerard Majella (LEASED)	Washroom Upgrades	Partitions and Fixtures	3
262	St Gregory	Washroom Upgrades	Partitions and Fixtures	2
208	St Helen	Washroom Upgrades	Partitions and Fixtures	6
395	St Henry	Washroom Upgrades	Partitions and Fixtures	7
365	St Ignatius of Loyola	Washroom Upgrades	Partitions and Fixtures	8
296	St Jane Frances	Washroom Upgrades	Partitions and Fixtures	3
292	St Joachim	Washroom Upgrades	Washroom Upgrades	12
254	St John the Evangelist (holding)(former St. Philip Neri)	Washroom Upgrades	Partitions and Fixtures	5
529	St Joseph	Washroom Upgrades	Wall tile, partitions, fixtures	2
516	St Joseph Morrow Park	Washroom Upgrades	Partitions and Fixtures	11
279	St Jude	Washroom Upgrades	Partitions and Fixtures	3
311	St Marcellus	Washroom Upgrades	Partitions and Fixtures	2
260	St Maria Goretti	Washroom Upgrades	Wall tile, partitions, fixtures	12
379	St Maurice	Washroom Upgrades	Partitions and Fixtures	1
364	St Maximilian Kolbe	Washroom Upgrades	Partitions and Fixtures	7
387	St Michael	Washroom Upgrades	Partitions and Fixtures	9
518	St Michael's Choir	Washroom Upgrades	Partitions and Fixtures	9
538	St Mother Teresa Catholic Academy	Washroom Upgrades	Partitions and Fixtures	8
518	St Patrick Catholic CSS (Leased from TDSB - Bill30)	Mechanical Misc	Sewage Ejector Pump	9
374	St Paul 6	Washroom Upgrades	Washroom Upgrades	6
237	St Pius X	Washroom Upgrades	Partitions and Fixtures	4
408	St Rene Goupil	Washroom Upgrades	Partitions and Fixtures	8
297	St Robert	Washroom Upgrades	Partitions and Fixtures	5
248	St Theresa Shrine	Washroom Upgrades	Washroom Upgrades	12
322	St Thomas More	Washroom Upgrades	Partitions and Fixtures	12
298	St Timothy	Washroom Upgrades	Wall tile, partitions, fixtures	11
371	Stella Maris	Washroom Upgrades	Partitions and Fixtures	6
398	Sts Cosmas and Damian	Washroom Upgrades	Partitions and Fixtures	5

Washrooms and Plumbing Upgrades - Total

\$

19,090,000.00

APPENDIX C

2020-2023 RECOMMENDED RENEWAL WORK

School Code	School	Type of Work	Project Description	Trustee Ward
299	Annunciation	PA & Security System Upgrades	PA system upgrade/replacement	11
289	Blessed Trinity	PA & Security System Upgrades	PA system upgrade/replacement	11
215	Holy Name	PA & Security System Upgrades	PA system upgrade/replacement	11
353	Holy Redeemer (CLOSED)	PA & Security System Upgrades	PA system upgrade/replacement	11
510	Loretto Abbey	PA & Security System Upgrades	PA system upgrade/replacement	5
246	Our Lady of Sorrows	PA & Security System Upgrades	PA system upgrade/replacement	4
273	Our Lady of Wisdom	PA & Security System Upgrades	PA system upgrade/replacement	7
243	St Anselm	PA & Security System Upgrades	PA system upgrade/replacement	11
339	St Antoine Daniel	PA & Security System Upgrades	PA system upgrade/replacement	5
235	St Brigid	PA & Security System Upgrades	PA system upgrade/replacement	11
376	St Bruno-St Raymond	PA & Security System Upgrades	PA system upgrade/replacement	9
310	St Denis	PA & Security System Upgrades	PA system upgrade/replacement	11
356	St Edmund Campion	PA & Security System Upgrades	PA system upgrade/replacement	12
278	St Elizabeth	PA & Security System Upgrades	PA system upgrade/replacement	4
206	St Francis of Assisi	PA & Security System Upgrades	PA system upgrade/replacement	9
256	St Gabriel	PA & Security System Upgrades	PA system upgrade/replacement	5
346	St Gerard Majella (LEASED)	PA & Security System Upgrades	PA system upgrade/replacement	3
365	St Ignatius of Loyola	PA & Security System Upgrades	PA system upgrade/replacement	8
275	St James	PA & Security System Upgrades	PA system upgrade/replacement	4
348	St John XXIII	PA & Security System Upgrades	PA system upgrade/replacement	11
529	St Joseph	PA & Security System Upgrades	PA system upgrade/replacement	2
279	St Jude	PA & Security System Upgrades	PA system upgrade/replacement	3
393	St Kateri Tekakwitha	PA & Security System Upgrades	PA system upgrade/replacement	11
300	St Kevin	PA & Security System Upgrades	PA system upgrade/replacement	7
264	St Lawrence CS	PA & Security System Upgrades	PA system upgrade/replacement	7
249	St Margaret	PA & Security System Upgrades	PA system upgrade/replacement	5
528	St Mary Catholic Academy	PA & Security System Upgrades	PA system upgrade/replacement	6
357	St Matthias	PA & Security System Upgrades	PA system upgrade/replacement	11
224	St Monica	PA & Security System Upgrades	PA system upgrade/replacement	11
283	St Paschal Baylon	PA & Security System Upgrades	PA system upgrade/replacement	5
204	St Paul	PA & Security System Upgrades	PA system upgrade/replacement	9
236	St Thomas Aquinas	PA & Security System Upgrades	PA system upgrade/replacement	9
306	St Ursula	PA & Security System Upgrades	PA system upgrade/replacement	12
1	System Wide	PA & Security System Upgrades	System Wide Access Control Upgrade Phase Six	All
1	System Wide	PA & Security System Upgrades	System Wide Access Control Upgrade Phase Final	All

Security System and Public Address Upgrades - Total

\$

6,743,589.90

APPENDIX C

2020-2023 RECOMMENDED RENEWAL WORK

School Code	School	Type of Work	Project Description	Trustee Ward
549	Bishop Allen Academy	Fire Alarm Upgrades	Fire Alarm System Upgrades	4
519	Blessed Cardinal Newman	Fire Alarm Upgrades	Fire Alarm System Upgrades	12
409	Blessed Margherita of Citta Castello	Fire Alarm Upgrades	Fire Alarm System Upgrades	3
289	Blessed Trinity	Fire Alarm Upgrades	Fire Alarm System Upgrades	11
257	Christ the King (CLOSED)	Fire Alarm Upgrades	Fire Alarm System Upgrades	4
524	Francis Libermann	Fire Alarm Upgrades	Fire Alarm System Upgrades	8
329	Holy Angels	Fire Alarm Upgrades	Fire Alarm System Upgrades	4
215	Holy Name	Fire Alarm Upgrades	Fire Alarm System Upgrades	11
325	James Culnan	Fire Alarm Upgrades	Fire Alarm System Upgrades	4
510	Loretto Abbey	Fire Alarm Upgrades	Fire Alarm System Upgrades	5
544	Mary Ward	Fire Alarm Upgrades	Fire Alarm System Upgrades	7
343	Msgr Fraser College Annex Campus (St. Peter)	Fire Alarm Upgrades	Fire Alarm System Upgrades	9
342	Our Lady of Guadalupe	Fire Alarm Upgrades	Fire Alarm System Upgrades	11
416	Prince of Peace	Fire Alarm Upgrades	Fire Alarm System Upgrades	8
368	Santa Maria	Fire Alarm Upgrades	Fire Alarm System Upgrades	10
513	St Basil the Great College	Fire Alarm Upgrades	Fire Alarm System Upgrades	3
425	St Bede	Fire Alarm Upgrades	Fire Alarm System Upgrades	8
235	St Brigid	Fire Alarm Upgrades	Fire Alarm System Upgrades	11

APPENDIX C

2020-2023 RECOMMENDED RENEWAL WORK

School Code	School	Type of Work	Project Description	Trustee Ward
250	St Charles	Fire Alarm Upgrades	Fire Alarm System Upgrades	5
380	St Cyril	Fire Alarm Upgrades	Fire Alarm System Upgrades	8
310	St Denis	Fire Alarm Upgrades	Fire Alarm System Upgrades	11
385	St Florence	Fire Alarm Upgrades	Fire Alarm System Upgrades	8
319	St Gerald	Fire Alarm Upgrades	Fire Alarm System Upgrades	11
315	St Isaac Jogues	Fire Alarm Upgrades	Fire Alarm System Upgrades	11
294	St Jerome	Fire Alarm Upgrades	Fire Alarm System Upgrades	5
529	St Joseph	Fire Alarm Upgrades	Fire Alarm System Upgrades	2
516	St Joseph Morrow Park	Fire Alarm Upgrades	Fire Alarm System Upgrades	11
393	St Kateri Tekakwitha	Fire Alarm Upgrades	Fire Alarm System Upgrades	11
300	St Kevin	Fire Alarm Upgrades	Fire Alarm System Upgrades	7
333	St Leo	Fire Alarm Upgrades	Fire Alarm System Upgrades	4
331	St Louis	Fire Alarm Upgrades	Fire Alarm System Upgrades	4
528	St Mary Catholic Academy	Fire Alarm Upgrades	Fire Alarm System Upgrades	6
228	St Mary of the Angels	Fire Alarm Upgrades	Fire Alarm System Upgrades	6
357	St Matthias	Fire Alarm Upgrades	Fire Alarm System Upgrades	11
364	St Maximilian Kolbe	Fire Alarm Upgrades	Fire Alarm System Upgrades	7
387	St Michael	Fire Alarm Upgrades	Fire Alarm System Upgrades	9
518	St Michael's Choir	Fire Alarm Upgrades	Fire Alarm System Upgrades	9
538	St Mother Teresa Catholic Academy	Fire Alarm Upgrades	Fire Alarm System Upgrades	8
309	St Norbert CS	Fire Alarm Upgrades	Fire Alarm System Upgrades	5
204	St Paul	Fire Alarm Upgrades	Fire Alarm System Upgrades	9
414	The Divine Infant	Fire Alarm Upgrades	Fire Alarm System Upgrades	8
276	Transfiguration	Fire Alarm Upgrades	Fire Alarm System Upgrades	2

Emergency Lighting and Fire Alarm Upgrades - Total

\$

7,452,264.00

265	Our Lady of Assumption	Electrical Upgrades	Electrical Service and Distribution	5
261	St Bernard	Electrical Upgrades	Electrical Service and Distribution - Main Switchboard (600, 220, 120	10
356	St Edmund Campion	Electrical Upgrades	Electrical panel upgrade	12
337	St Eugene	Electrical Upgrades	Electrical Service and Distribution - Panel (600, 220, 120 V)	2
337	St Eugene	Electrical Upgrades	Electrical Service and Distribution - Main Disconnect (400A 220, 120	2
294	St Jerome	Electrical Upgrades	Provide Electrical upgrades to accommodate services as per Hydro	5
518	St Patrick Catholic CSS (Leased from TDSB - Bill30)	Electrical Upgrades	Electrical Service and Distribution - Original Switchgear and 2 nd Transformer	9
320	St Roch	Electrical Upgrades	Electrical Service and Distribution - Panel (220, 120 V) - Original and Addition 1	3

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2020-2023 RECOMMENDED RENEWAL WORK

School Code	School	Type of Work	Project Description	Trustee Ward
320	St Roch	Electrical Upgrades	Electrical Service and Distribution - Main Disconnect (800A 220/120	3
320	St Roch	Electrical Upgrades	Electrical Service and Distribution - Main Transformer	3
284	St Stephen	Electrical Upgrades	Electrical Service and Distribution - Main Switchboard	1
236	St Thomas Aquinas	Electrical Upgrades	Electrical Service and Distribution - Panel (220, 120 V)	9
236	St Thomas Aquinas	Electrical Upgrades	Electrical Service and Distribution - Main Switchboard (600, 220, 120	9
276	Transfiguration	Electrical Upgrades	Electrical Service and Distribution - Panel (220, 120 V)	2
276	Transfiguration	Electrical Upgrades	Electrical Service and Distribution - Main Switchboard (600, 220, 120	2
1	System Wide	Electrical Upgrades	Voltage Harmonizers - Year 2 Energy Conservation	All
1	System Wide	Electrical Upgrades	Voltage Harmonizers - Year 3 Energy Conservation	All
1	System Wide	Electrical Upgrades	Voltage Harmonizers - Year 4 Energy Conservation	All

Electrical Upgrades - Total

\$

4,052,500.00

215	Holy Name	Lighting Upgrades	Lighting and Branch Wiring - Emergency Lighting - Battery Back-ups	11
215	Holy Name	Lighting Upgrades	Lighting and Branch Wiring - Exit Lighting and Signs	11
343	Msgr Fraser College Annex Campus (St. Peter)	Lighting Upgrades	Exterior Lighting - Exterior Lighting	9
343	Msgr Fraser College Annex Campus (St. Peter)	Lighting Upgrades	Lighting Equipment - Interior Lighting	9
288	Nativity of Our Lord	Lighting Upgrades	Lighting Equipment - 1955 Original & 1963 Addition - Interior Lighting	2
501	Notre Dame	Lighting Upgrades	Lighting and Branch Wiring - Exit Lighting and Signs	11
342	Our Lady of Guadalupe	Lighting Upgrades	Lighting and Branch Wiring - Exit Lighting and Signs	11
253	Our Lady of Peace	Lighting Upgrades	Interior lighting upgrades	2
246	Our Lady of Sorrows	Lighting Upgrades	Lighting Equipment - 2002 Original - Exterior Lighting	4
258	Precious Blood	Lighting Upgrades	Lighting and Branch Wiring - Exit Lighting and Signs	7
416	Prince of Peace	Lighting Upgrades	Lighting Equipment - Exterior Lighting	8
235	St Brigid	Lighting Upgrades	Lighting and Branch Wiring - Exit Lighting and Signs	11
218	St Cecilia	Lighting Upgrades	Lighting and Branch Wiring - Exit Lighting and Signs	4
380	St Cyril	Lighting Upgrades	Lighting Equipment - Interior Lighting	8
380	St Cyril	Lighting Upgrades	Lighting Equipment - Exit Sign	8
310	St Denis	Lighting Upgrades	Lighting and Branch Wiring - Emergency Lighting - Battery Back-ups	11
278	St Elizabeth	Lighting Upgrades	Upgrade lights from T8 to LED	4
385	St Florence	Lighting Upgrades	Lighting Equipment - Exterior Lighting	8
385	St Florence	Lighting Upgrades	Lighting Equipment - Exit Lighting	8
256	St Gabriel	Lighting Upgrades	Lighting and Branch Wiring - Emergency Lighting - Battery Back-ups	5
256	St Gabriel	Lighting Upgrades	Lighting and Branch Wiring - Exit Lighting and Signs	5
377	St Gabriel Lalemant	Lighting Upgrades	Lighting Equipment - Emergency Lighting	8
262	St Gregory	Lighting Upgrades	Lighting Equipment - Exterior Lighting	2

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2020-2023 RECOMMENDED RENEWAL WORK

School Code	School	Type of Work	Project Description	Trustee Ward
208	St Helen	Lighting Upgrades	Lighting Equipment - 1993 Original - Exterior Lighting	6
275	St James	Lighting Upgrades	Lighting and Branch Wiring - Exit Lighting and Signs	4
296	St Jane Frances	Lighting Upgrades	Lighting Equipment - Entire Building - Exterior Lighting	3
220	St John	Lighting Upgrades	Lighting and Branch Wiring - Emergency Lighting - Battery Back-ups	11
220	St John	Lighting Upgrades	Lighting and Branch Wiring - Exit Lighting and Signs	11
254	St John the Evangelist (holding)(former St. Philip Neri)	Lighting Upgrades	Lighting Equipment - Wall Mounted Light Fixtures	5
254	St John the Evangelist (holding)(former St. Philip Neri)	Lighting Upgrades	Lighting Equipment - Main Building	5
516	St Joseph Morrow Park	Lighting Upgrades	Lighting Equipment - Original Building	11
279	St Jude	Lighting Upgrades	Lighting and Branch Wiring - Exit Lighting and Signs	3
249	St Margaret	Lighting Upgrades	Lighting and Branch Wiring - Exit Lighting and Signs	5
260	St Maria Goretti	Lighting Upgrades	Lighting Equipment - 1999 Original - Exterior Lighting	12
240	St Matthew	Lighting Upgrades	Upgrade lights from T8 to LED	10
387	St Michael	Lighting Upgrades	Lighting Equipment - Original Building - Interior Lighting	9
224	St Monica	Lighting Upgrades	Lighting and Branch Wiring - Exit Lighting and Signs	11
309	St Norbert CS	Lighting Upgrades	Lighting and Branch Wiring - Emergency Lighting - Battery Back-ups - Original	5
204	St Paul	Lighting Upgrades	Lighting and Branch Wiring - Emergency Lighting - Battery Back-ups	9
204	St Paul	Lighting Upgrades	Lighting and Branch Wiring - Exit Lighting and Signs	9
320	St Roch	Lighting Upgrades	Lighting and Branch Wiring - Exterior Lighting - Wall Mounted	3
320	St Roch	Lighting Upgrades	Lighting and Branch Wiring - Exit Lighting and Signs - Original and Addition 1	3
236	St Thomas Aquinas	Lighting Upgrades	Lighting and Branch Wiring - Exit Lighting and Signs	9
236	St Thomas Aquinas	Lighting Upgrades	Upgrade lights from T8 to LED	9
227	St Vincent de Paul	Lighting Upgrades	Lighting and Branch Wiring - Emergency Lighting - Battery Back-ups	4
371	Stella Maris	Lighting Upgrades	Lighting Equipment - Section A - Interior and Exterior Lighting	6
414	The Divine Infant	Lighting Upgrades	Lighting Equipment - Exterior Lighting	8
276	Transfiguration	Lighting Upgrades	Lighting and Branch Wiring - Emergency Lighting - Battery Back-ups	2
276	Transfiguration	Lighting Upgrades	Lighting and Branch Wiring - Exit Lighting and Signs	2

Lighting Upgrades - Total

\$

4,137,850.00

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2020-2023 RECOMMENDED RENEWAL WORK

School Code	School	Type of Work	Project Description	Trustee Ward
Interior Renovations - Total			\$	18,255,077.60
290	All Saints	Finishes	Concrete floor cracks and pitting	2
299	Annunciation	Finishes - Add on	Ceiling Replacement	11
549	Bishop Allen Academy	Finishes - Add on	Ceiling Replacement	4
519	Blessed Cardinal Newman	Finishes - Add on	Ceiling Replacement	12
289	Blessed Trinity	Finishes	Floor Finishes Renewal	11
289	Blessed Trinity	Finishes - Add on	Ceiling Replacement	11
509	Chaminade College	Finishes	Floor Finishes - Vinyl Tile and Poured Rubber Gym	10
509	Chaminade College	Fittings	Replace Millwork Cafeteria	10
257	Christ the King (CLOSED)	Finishes - Add on	Ceiling Replacement	4
524	Francis Libermann	Finishes - Add on	Ceiling Replacement	8
524	Francis Libermann	Fittings	Lockers Renewal	8
329	Holy Angels	Finishes - Add on	Ceiling Replacement	4
212	Holy Family	Finishes	Floor Finishes Renewal	4
215	Holy Name	Finishes - Add on	Ceiling Replacement	11
353	Holy Redeemer (CLOSED)	Finishes - Add on	Ceiling Replacement	11
281	Immaculate Conception	Finishes	Floor Finishes Renewal	10
272	Immaculate Heart of Mary	Finishes	Floor Finishes Renewal	12
527	James Cardinal McGuigan	Fittings	Locker Replacement	3
413	Josyf Cardinal Slipyj	Fittings	Millwork Replacement	2
510	Loretto Abbey	Finishes - Add on	Ceiling Replacement	5
544	Mary Ward	Finishes	Floor Finishes - Carpet	7
544	Mary Ward	Finishes - Add on	Ceiling Replacement	7
533	Msgr Fraser College - Toronto Campus	Finishes - Add on	Ceiling Replacement	9
343	Msgr Fraser College Annex Campus (St. Peter)	Finishes - Add on	Ceiling Replacement	9
399	Msgr John Corrigan	Finishes	Floor Finishes Renewal	1
288	Nativity of Our Lord	Finishes - Add on	Ceiling Replacement	2
265	Our Lady of Assumption	Finishes	Floor Finishes - Vinyl Tile	5
342	Our Lady of Guadalupe	Finishes - Add on	Ceiling Replacement	11
253	Our Lady of Peace	Finishes	VCT in Gym	2
253	Our Lady of Peace	Finishes - Add on	Ceiling Replacement	2
246	Our Lady of Sorrows	Finishes - Add on	Ceiling Replacement	4
247	Our Lady of Victory	Finishes	Floor Finishes Renewal	10
273	Our Lady of Wisdom	Finishes - Add on	Ceiling Replacement	7
416	Prince of Peace	Finishes	Floor Finishes - Vinyl and Carpet	8

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2020-2023 RECOMMENDED RENEWAL WORK

School Code	School	Type of Work	Project Description	Trustee Ward
415	Sacred Heart	Finishes	Floor Finishes Renewal	8
368	Santa Maria	Finishes - Add on	Ceiling Replacement	10
302	St Agatha	Finishes	Floor Finishes Renewal	12
350	St Aidan	Finishes	Floor Finishes - Vinyl Tile and Vinyl Sheet	7
243	St Anselm	Finishes - Add on	Ceiling Replacement	11
339	St Antoine Daniel	Finishes - Add on	Ceiling Replacement	5
513	St Basil the Great College	Finishes - Add on	Ceiling Replacement	3
425	St Bede	Finishes - Add on	Ceiling Replacement	8
261	St Bernard	Finishes	Floor Finishes Renewal	10
263	St Bonaventure	Finishes	Floor Finishes - Vinyl Tile	11
235	St Brigid	Finishes - Add on	Ceiling Replacement	11
376	St Bruno-St Raymond	Finishes - Add on	Ceiling Replacement	9
218	St Cecilia	Finishes - Add on	Ceiling Replacement	4
380	St Columba	Finishes	Floor Finishes Renewal	8
380	St Cyril	Finishes - Add on	Ceiling Replacement	8
310	St Denis	Finishes - Add on	Ceiling Replacement	11
341	St Dorothy	Finishes	Floor Finishes - Vinyl Tile	1
358	St Fidelis	Finishes	Floor Finishes - Carpet to Vinyl tiles	10
385	St Florence	Finishes - Add on	Ceiling Replacement	8
206	St Francis of Assisi	Finishes - Add on	Ceiling Replacement	9
256	St Gabriel	Finishes - Add on	Ceiling Replacement	5
377	St Gabriel Lalemant	Finishes	Floor Finishes Renewal	8
377	St Gabriel Lalemant	Finishes - Add on	Ceiling Replacement	8
319	St Gerald	Finishes - Add on	Ceiling Replacement	11
346	St Gerard Majella (LEASED)	Finishes - Add on	Ceiling Replacement	3
208	St Helen	Finishes	Floor Finishes Renewal	6
395	St Henry	Finishes	Floor Finishes - Vinyl and Epoxy	7
365	St Ignatius of Loyola	Finishes	Floor Finishes Renewal	8
315	St Isaac Jogues	Finishes - Add on	Ceiling Replacement	11
275	St James	Finishes - Add on	Ceiling Replacement	4
294	St Jerome	Finishes - Add on	Ceiling Replacement	5
220	St John	Finishes	Floor Finishes - Vinyl Tile	11
531	St John Paul II	Fittings	Bleacher Renewal	12
254	St John the Evangelist (holding)(former St. Philip Neri)	Finishes - Add on	Ceiling Replacement	5
392	St John Vianney	Finishes	Floor Finishes Renewal	1
348	St John XXIII	Finishes - Add on	Ceiling Replacement	11
529	St Joseph	Finishes - Add on	Ceiling Replacement	2

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2020-2023 RECOMMENDED RENEWAL WORK

School Code	School	Type of Work	Project Description	Trustee Ward
516	St Joseph Morrow Park	Finishes - Add on	Ceiling Replacement	11
279	St Jude	Finishes	Terrazzo floor repairs	3
279	St Jude	Finishes - Add on	Ceiling Replacement	3
393	St Kateri Tekakwitha	Finishes - Add on	Ceiling Replacement	11
300	St Kevin	Finishes - Add on	Ceiling Replacement	7
333	St Leo	Finishes - Add on	Ceiling Replacement	4
331	St Louis	Finishes - Add on	Ceiling Replacement	4
249	St Margaret	Finishes - Add on	Ceiling Replacement	5
528	St Mary Catholic Academy	Finishes - Add on	Ceiling Replacement	6
528	St Mary Catholic Academy	Fittings	Locker Replacement	6
228	St Mary of the Angels	Finishes - Add on	Ceiling Replacement	6
357	St Matthias	Finishes - Add on	Ceiling Replacement	11
379	St Maurice	Finishes	Floor Finishes Renewal	1
538	St Mother Teresa Catholic Academy	Fittings	Locker Replacement	8
555	St Oscar Romero/Blessed Archbishop Romero	Finishes	Replace Vinyl Floor Tiles Cafeteria	10
555	St Oscar Romero/Blessed Archbishop Romero	Fittings	Locker Replacement	10
204	St Paul	Finishes - Add on	Ceiling Replacement	9
216	St Rita	Finishes	Floor Finishes Renewal	6
269	St Rose of Lima	Finishes	Floor Finishes - Vinyl Tile	12
284	St Stephen	Finishes	Floor Finishes Renewal	1
236	St Thomas Aquinas	Finishes - Add on	Ceiling Replacement	9

Renovation General for Floors, Ceilings, - Total

\$

13,481,327.60

299	Annunciation	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	11
549	Bishop Allen Academy	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	4
289	Blessed Trinity	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	11
508	Brebeuf College	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	5
251	Canadian Martyrs	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	11

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2020-2023 RECOMMENDED RENEWAL WORK

School Code	School	Type of Work	Project Description	Trustee Ward
556	Cardinal Carter Academy for the Arts	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	5
419	Cardinal Leger	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	8
509	Chaminade College	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	10
318	D'Arcy McGee	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	9
378	Epiphany Of Our Lord	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	7
540	Father John Redmond	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	4
433	Holy Child C.S.	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	1
242	Holy Cross	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	11
212	Holy Family	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	4
225	Holy Rosary C.S.	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	9
282	Holy Spirit CS	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	7
281	Immaculate Conception	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	10
325	James Culnan	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	4
510	Loretto Abbey	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	5
511	Loretto College	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	6
506	Madonna Catholic SS	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	5
561	Marshall McLuhan	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	5
544	Mary Ward	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	7
222	Monsignor Fraser - St. Martin Can	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	9

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2020-2023 RECOMMENDED RENEWAL WORK

School Code	School	Type of Work	Project Description	Trustee Ward
222	Monsignor Fraser - St. Martin Can	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	9
526	Msgr Fraser College - West (Regina Pacis)	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	3
502	Neil McNeil	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	12
252	Our Lady of Fatima	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	12
342	Our Lady of Guadalupe	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	11
265	Our Lady of Assumption	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	5
247	Our Lady of Victory	Renovation Program	Renovate storage room to classroom	10
247	Our Lady of Victory	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	10
273	Our Lady of Wisdom	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	7
347	Pope Francis	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	9
258	Precious Blood	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	7
416	Prince of Peace	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	8
415	Sacred Heart	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	8
505	Senator O'Connor College	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	11
302	St Agatha	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	12
350	St Aidan	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	7
335	St Albert	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	7
326	St Alphonsus	Renovation Program	Dividing Rooms - Classrooms	9
259	St Ambrose	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	4
295	St Andrew	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	1

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2020-2023 RECOMMENDED RENEWAL WORK

School Code	School	Type of Work	Project Description	Trustee Ward
361	St Angela	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	1
210	St Anthony	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	6
328	St Augustine of Canterbury CS	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	3
274	St Barbara	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	12
351	St Barnabas CS	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	8
334	St Bartholomew CS	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	8
425	St Bede	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	8
267	St Benedict	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	1
261	St Bernard	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	10
263	St Bonaventure	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	11
277	St Boniface	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	12
316	St Catherine	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	11
250	St Charles	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	5
363	St Charles Garnier	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	3
363	St Charles Garnier	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	3
214	St Clare	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	6
380	St Columba	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	8
396	St Conrad C.S.	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	5
384	St Demetrius	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	2

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2020-2023 RECOMMENDED RENEWAL WORK

School Code	School	Type of Work	Project Description	Trustee Ward
467	St Dominic Savio	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	8
341	St Dorothy	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	1
241	St Dunstan	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	12
356	St Edmund Campion	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	12
386	St Elizabeth Seton	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	8
337	St Eugene	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	2
385	St Florence	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	8
271	St Francis Xavier	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	10
256	St Gabriel	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	5
395	St Henry	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	7
365	St Ignatius of Loyola	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	8
275	St James	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	4
394	St Jean de Brebeuf	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	8
294	St Jerome	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	5
305	St John Bosco	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	6
531	St John Paul II	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	12
254	St John the Evangelist (holding)(former St. Philip Neri), Building ID 7967-B01	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	5
392	St John Vianney	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	1

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2020-2023 RECOMMENDED RENEWAL WORK

School Code	School	Type of Work	Project Description	Trustee Ward
348	St John XXIII	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	11
529	St Joseph	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	2
516	St Joseph Morrow Park	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	11
279	St Jude	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	3
393	St Kateri Tekakwitha	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	11
264	St Lawrence CS	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	7
333	St Leo	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	4
370	St Luigi	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	6
311	St Marcellus	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	2
249	St Margaret C.S.	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	5
381	St Marguerite Bourgeoys C.S.	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	8
332	St Mark	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	4
344	St Martha	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	5
205	St Mary	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	9
240	St Matthew C.S.	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	10
357	St Matthias	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	11
379	St Maurice	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	1
387	St Michael	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	9
308	St Nicholas C.S.	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	7

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2020-2023 RECOMMENDED RENEWAL WORK

School Code	School	Type of Work	Project Description	Trustee Ward
555	St Oscar Romero/Blessed Archbishop Romero	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	10
555	St Oscar Romero/Blessed Archbishop Romero	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	10
204	St Paul	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	9
285	St Raphael	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	5
408	St Rene Goupil	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	8
301	St Richard	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	12
216	St Rita	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	6
297	St Robert	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	5
269	St Rose of Lima	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	12
354	St Sebastian C.S.	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	6
383	St Simon C.S.	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	3
373	St Sylvester C.S.	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	7
248	St Theresa Shrine	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	12
322	St Thomas More	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	12
298	St Timothy	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	11
313	St Wilfrid	Renovation Program	Chair Lift - Accommodation	3
313	St Wilfrid	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	3
371	Stella Maris	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	6
398	Sts Cosmas and Damian	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	5

APPENDIX C

2020-2023 RECOMMENDED RENEWAL WORK

School Code	School	Type of Work	Project Description	Trustee Ward
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417	The Holy Trinity Catholic School	Renovation Program	Nutrition Program TPH - Double compartment sink plus designated single hand washing sink	4
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Renovation for Program / Accessibility - Total \$ 3,205,000.00

419	Cardinal Leger	Interior Stairs	Replace floor treads Stair wall "C"	8
242	Holy Cross	Interior Stairs	Interior Stairs Repair or Replacement	11
272	Immaculate Heart of Mary	Interior Stairs	Interior Stairs Repair or Replace	12
343	Msgr Fraser College Annex Campus (St. Peter)	Interior Stairs	Stair Treads	9
326	St Alphonsus	Interior Stairs	Interior Stairs Repair or Replacement	9
328	St Augustine of Canterbury CS	Interior Stairs	Interior Stairs Repair or Replacement (3) Stairs need attention due to heavy use of de-icing salts	3
267	St Benedict	Interior Stairs	Interior Stairs Repair or Replacement	1
380	St Columba	Interior Stairs	Interior Stairs Repair or Replacement - South	8
380	St Cyril	Interior Stairs	Interior Stairs Repair or Replacement	8
384	St Demetrius	Interior Stairs	Interior Stairs Repair or Replacement - South	2
278	St Elizabeth	Interior Stairs	Interior Stairs Repair or Replacement. Terrazzo stair treads and stair replacement	4
279	St Jude	Interior Stairs	Interior Stairs Repair or Replacement	3
300	St Kevin	Interior Stairs	Interior Stairs Repair or Replacement	7
336	St Malachy	Interior Stairs	Interior Stairs Repair or Replacement	8
528	St Mary Catholic Academy	Interior Stairs	Interior Stairs Repair or Replacement	6
309	St Norbert CS	Interior Stairs	Interior Stairs Repair or Replacement	5
374	St Paul 6	Interior Stairs	Interior Stairs Repair or Replacement	6
322	St Thomas More	Interior Stairs	Interior Stairs Repair or Replacement	12

Interior Stair Repairs or Replacement - Total \$ 1,568,750.00

APPENDIX C

2020-2023 RECOMMENDED RENEWAL WORK

School Code	School	Type of Work	Project Description	Trustee Ward
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Site Work - Total			\$	12,112,500.00
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290	All Saints	Hardscape	Concrete sidewalk minor patchwork	2
290	All Saints	Hardscape	Catch basement back parking lot. Subgrade issue	2
409	Blessed Margherita of Citta Castello	Hardscape	Asphalt playing field	3
522	Dante Alighieri Academy C S	Hardscape	Asphalt Parking Lot	5
378	Epiphany Of Our Lord	Hardscape	Asphalt parking lot and play field and sidewalk	7
212	Holy Family	Hardscape	Asphalt Play surface	4
212	Holy Family	Hardscape	Fencing	4
281	Immaculate Conception	Softscape	Replace Sod and Mulch	10
325	James Culnan	Hardscape	Asphalt Parking lot to the North and South. Asphalt play surface and pedestrian paving	4
544	Mary Ward	Hardscape	Asphalt parking lot	7
258	Precious Blood	Hardscape	Wood Retaining Walls and Asphalt play surface in areas	7
415	Sacred Heart	Hardscape	Asphalt Parking Lot, Pedestrian Paving, Kindergarten play surface	8
415	Sacred Heart	Hardscape	Asphalt parking lot and play field and sidewalk	8
302	St Agatha	Hardscape	Drainage Issues in Playground	12
350	St Aidan	Hardscape	Asphalt parking lot and playground	7
326	St Alphonsus	Hardscape	Asphalt Parking lot and play surface	9
259	St Ambrose	Softscape	Replace Mulch	4
361	St Angela	Hardscape	Asphalt play yard	1
334	St Bartholomew CS	Hardscape	Playground paving is cracking. Entire site is sinking so we would expect some uneven areas.	8
425	St Bede	Hardscape	Asphalt Parking Lot and Pedestrian Paving	8
425	St Bede	Hardscape	Pedestrian Paving	8
267	St Benedict	Hardscape	Foundation Work	1
310	St Denis	Hardscape	Wood Retaining Walls	11
310	St Denis	Hardscape	Pedestrian Paving	11
310	St Denis	Hardscape	Parking Lot Paving	11
310	St Denis	Hardscape	Fencing	11
356	St Edmund Campion	Hardscape	Asphalt parking lot and play field and sidewalk	12
278	St Elizabeth	Hardscape	FDK play area	4
208	St Helen	Hardscape	Asphalt Play Surface	6
394	St Jean de Brebeuf	Hardscape	Asphalt parking lot, play surface and pedestrian paving	8
531	St John Paul II	Hardscape	Asphalt parking lot and pedestrian paving	12
392	St John Vianney	Hardscape	Pedestrian Paving	1

APPENDIX C

2020-2023 RECOMMENDED RENEWAL WORK

School Code	School	Type of Work	Project Description	Trustee Ward
379	St Maurice	Hardscape	Asphalt Play Surface	1
555	St Oscar Romero/Blessed Archbishop Romero	Hardscape	Asphalt parking lot / remove bollards	10
555	St Oscar Romero/Blessed Archbishop Romero	Hardscape	Concrete Sidewalk cracked, uneven	10
283	St Paschal Baylon	Hardscape	Asphalt track	5
237	St Pius X	Hardscape	Retaining wall on Jane St.	4
408	St Rene Goupil	Hardscape	Asphalt parking lot, play surface and pedestrian paving	8
269	St Rose of Lima	Hardscape	Asphalt parking lot and playground	12
373	St Sylvester CS	Hardscape	Main path cracks with vegetation growing through.	7
248	St Theresa Shrine	Hardscape	Asphalt parking lot and playground	12
236	St Thomas Aquinas	Softscape	Resod the playing field	9
414	The Divine Infant	Hardscape	Asphalt parking lot and Pedestrian paving	8

Site Improvements - Total

\$

12,112,500.00

Renewal Funding Criteria

1. **The School Condition Improvement (SCI)** grant is intended to assist boards to replace building components that have exceeded their useful lifecycle as identified in the Ministry's School Facility Condition Assessment Program. SCI funding must follow the 70/30 rule as detailed in the table below and may only be used to renew building components on open and operating schools. School boards will be accountable to report these expenditures in VFA Facility (The Ministry's building condition database), and the SCI expenditures must comply to the following conditions:

SCI Expenditure Categories by Component	Restricted Renewal 70%	Unrestricted Renewal 30%
A. Substructure (e.g. foundations, basement walls)	Yes	Yes
B. Shell/Superstructure (e.g. roofs, exterior walls, windows and doors)	Yes	Yes
C. Interiors (e.g. stairs, floor finishes, ceilings, etc.)	No	Yes
D. Services (e.g. plumbing, HVAC, fire protection, electrical)	Yes	Yes
E. Equipment and Furnishings (fixed items only)	No	Yes
F. Special Construction and Demolition	No	Yes
G. Building Site work (e.g. parking lots, site paving, lighting)	No	Yes

Note: Unspent SCI funds can be carried forward.

2. **The School Renewal Allocation (SRA)** program allows boards to address the replacement of aged components and building systems, undertake Capital improvements such as new building automation systems, invest in new initiatives such as air conditioning for cooling centres and accessibility enhancements, to name a few. It also allows boards to address operational/maintenance items such as painting, floor repairs, asphalt patching and minor fence repairs to a maximum of \$2.1M. While the Ministry allows school boards more flexibility under SRA, expenditures should be prioritized to address facility condition, health and safety, program, accessibility and general code requirements. Any unspent funds may be carried forward.

Renewal Project Selection Process

1. The recommended Renewal projects listed in Appendix B were compiled by filtering out high and urgent work noted in the ministry's VFA facility database. Projects were then scrutinized, giving priority to work that was recommended to be undertaken within a short timeframe following Ministry inspections and/or critical notification from the field. Further prioritization was accomplished by cross-referencing the proposed Renewal work with the number of associated maintenance work orders, as well as information provided by Operations, Maintenance, School requests, Renewal and Capital staff. The most high and urgent work will be recommended to be addressed in the 2019-2020 period;
2. Further vetting of projects is now carried out by the Building Condition Supervisor recently hired to ensure projects are prioritized based on urgent need.
3. Renovations to address required upgrades and deficiencies needed for the Board's Nutrition Program have been included in the 2019-2023 cycle.
4. Projects to address the Board Action/Direction that a facility retrofit program be implemented as recommended in the 2019-2023 Energy Conservation and Demand Management (ECDM) Plan have been included, for an annual allocation of \$2M, to be funded through the School Renewal program over 5 years (subject to funding availability beyond 2020).
5. Projects requested by school communities through the Operations Department are included in the Renewal Plan;
6. The projects listed in Appendix B were then circulated to Capital, Renewal, Maintenance and Operation for further vetting and adjustments made as required based on this departmental input.
7. The Renewal Plan is primarily based on information provided by the Ministry of Education's School Condition Assessment Program, school community requests, and various stakeholders such as Health & Safety, Operations and Maintenance staff, and building inspections conducted by Facilities staff.
8. Assessments are completed on all school facilities by the Ministry of Education's School Condition Assessment Program on a five-year cycle (40 TCDSB schools assessed per year). Information about the TCDSB's inventory of facility assets are stored in VFA Facility Asset Management Software. The software leverages that information to create Capital funding forecasts.

Appendix E

9. Facilities staff continue to engage with school staff, CSPC groups and school communities to address facility issues and concerns.



REPORT TO

CORPORATE SERVICES, STRATEGIC PLANNING AND PROPERTY COMMITTEE

REMOVING BARRIERS TO THE USE OF SCHOOL CASH SUITE

"Be truly glad. There is wonderful joy ahead!"

I Peter 1:6

Created, Draft	First Tabling	Review
September 20, 2019	October 10, 2019	

L. LePera, Senior Financial Analyst
D. Bilenduke, Senior Coordinator of Finance
P. De Cock, Comptroller of Business Services & Finance

RECOMMENDATION REPORT

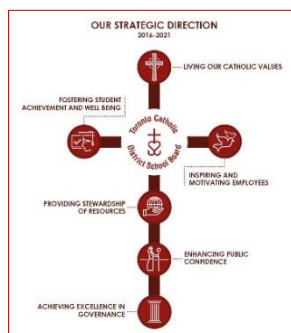
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Rory McGuckin
Director of Education

D. Koenig
Associate Director
of Academic Affairs

L. Noronha
Associate Director of Facilities,
Business and Community
Development, and
Chief Financial Officer

A. EXECUTIVE SUMMARY

School Cash Suite provides Schools and Catholic School Parent Councils (CSPCs) with an integrated portal for processing school activity fees online and seamlessly interfaces with both TCDSB and School level banking and accounting systems. The primary objectives with this system include the generation of administrative efficiencies and mitigation of risks associated with cash handling tasks.

The Board of Trustees has asked Business Services to report on how priority neighbourhoods may be further assisted with administrative fees and implementation.

This report recommends the removal of the 1% administrative fee across the entire system to help remove a small financial barrier to its use. Staff expect that increased HST recoveries will fully offset this loss.

The cumulative staff time required to prepare this report was 12 hours.

B. PURPOSE

1. To report on removal of barriers to the use of School Cash Suite online in priority neighbourhoods.

C. BACKGROUND

1. ***With a growing movement towards reducing cash handling*** from schools across Ontario, the TCDSB made a strategic decision to move toward “cashless” schools using the School Cash Suite also known as “KEV Software”.
2. ***Training, consultation and education are ongoing.*** Full day training for new Principals, Vice-Principals and School Secretaries and refresher courses are scheduled frequently over the entire school year. Regular announcements are shared via the Weekly Wrap Up and direct emails to Principals and Secretaries about ongoing support, upcoming training, user tips and tricks, and promotional opportunities to increase registration.

3. ***Trustees requested further investigation in to the barriers of using School Cash Suite in priority neighbourhoods.*** There is a concern from Trustees that priority neighbourhoods are at a disadvantage implementing the system and absorbing fees and service charges.

D. EVIDENCE/RESEARCH/ANALYSIS

1. ***School Cash Online Action Plan 2019/20 questionnaire completed by schools prior to the school year.*** A questionnaire was sent to all principals asking for their thoughts on identifying and reducing barriers to adoption. Business Services staff received a 70% response rate. The information received in these surveys provided broad themes and will help shape future strategies. These results will be used to address implementation concerns and issues around high priority neighbourhoods.
2. ***Removal of the 1% Administrative Fee would be fiscally neutral.*** When the system was first implemented a 1% cost was built-in to each online purchase to cover the cost of the system. Staff are confident that this charge is no longer required. For the 2018-19 year the 1% fee amounted to \$38,248 which was returned to the schools along with the HST rebates. With increased adoption this revenue would have increased proportionately. Staff estimate that the increased HST rebates are more than adequate to cover these costs and are recommending the 1% upfront charge be removed from the system for all schools.
3. ***54 schools (46 elementary and 8 secondary) were identified as being in Priority Neighbourhoods.*** 5 schools in this grouping have an adoption rate of over 50% demonstrating that some priority neighbourhoods have in fact adopted the system despite barriers. There still remain many schools, however, in these areas where adoption is low. The challenges, as identified by these schools, are rooted around a lack of interest by the community largely due to language barriers, a preference to using cash and a concern with the 1% recovery fee built into each event. The schools may continue to communicate the benefits of cash online to the community and the 104 language translation options available on the parent portal to address some of those challenges. With respect to the 1% recovery fee, there is an option to remove this from purchases. With the current and future HST rebates projected, staff believe it is appropriate to remove the fee.

E. METRICS AND ACCOUNTABILITY

1. ***Trustees and Trustee Services staff now have access to a dashboard and ward reports.*** TCDSB's IT department has developed an easy to use dashboard so Superintendents may monitor adoption rates. Access and training will now be given to Trustees and their assistants.
2. ***Staff will monitor the Priority Neighbourhood schools for adoption issues.*** Business Services staff will work closely with Superintendents and Principals of Priority Neighbourhood schools to ensure barriers are removed to the greatest extent possible to ensure adoption can be achieved.

F. IMPLEMENTATION, STRATEGIC COMMUNICATIONS AND STAKEHOLDER ENGAGEMENT PLAN

4. ***On-going Training will be provided.*** Training and refresher courses are available through the PAL Portal for school banking, throughout the school year and summer months. User guides and tip sheets are also available on KEV's online Resource Centre. Business Services staff will travel to schools over the next year to audit for missed HST rebates in both the schools and CSPC's bank accounts and assist with strategies to increase parent adoption and usage rates.
5. ***The School Cash Online adoption rate will be a standing agenda item at Education Council.*** Adoption rates will be discussed to strategize on ways to remove barriers to wider adoption in both priority neighbourhoods as well as the remainder of the system.

G. STAFF RECOMMENDATION

Staff recommends that the 1% recovery fee, built in to the School Cash Suite software, be removed.



REPORT TO

CORPORATE SERVICES, STRATEGIC PLANNING AND PROPERTY COMMITTEE

NON-RESIDENT VISA STUDENT FEES FOR SEPTEMBER 2020

*“There is neither Jew nor Greek, there is neither slave nor free, there is neither male nor female;
For you are all one in Christ Jesus”*
Galatians 3:28

Created, Draft	First Tabling	Review
September 10, 2019	October 10, 2019	Click here to enter a date.
D. de Souza, Co-ordinator of Revenue, Grants & Ministry Reporting A. Mazzucco Co-ordinator of International & Continuing Education P. Aguiar, Superintendent of Safe Schools, Alternative Ed. & SSI P. De Cock, Comptroller of Business Services & Finance		
RECOMMENDATION REPORT		

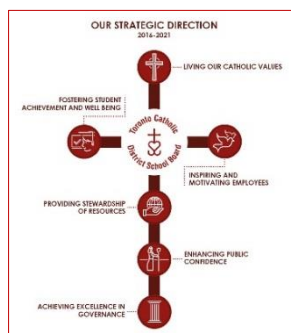
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Director of Education

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Associate Director
of Academic Affairs

L. Noronha
Associate Director of Facilities,
Business and Community
Development, and
Chief Financial Officer

A. EXECUTIVE SUMMARY

This report recommends that the Toronto Catholic District School Board (TCDSB) increase the fees for Non-Resident VISA students. TCDSB does not receive any provincial grants for Non-Resident VISA students and the Toronto District School Board (TDSB) has increased its fees for elementary by \$3,000 to \$16,000 and for secondary by \$1,500 to \$16,000 for the 2020-21 school year.

To maintain parity with TDSB and cover the International student recovery amount which reduced TCDSB revenues by \$1,300 per student in 2019-20, Business Services and International Education staff are recommending increasing TCDSB's fees of \$13,000 to \$16,000 for elementary and \$14,500 to \$16,000 for secondary, for September 2020. The application fee will also increase from \$250 to \$350, and the \$40 wire transfer fee will remain unchanged. The \$40 wire transfer will only be charged if applicants do not use the board recommended on line payment process. It is anticipated that the TCDSB will continue to remain competitive and attractive to Non-Resident VISA students for September 2020.

The cumulative staff time required to prepare this report was 4 hours

B. PURPOSE

1. To set the TCDSB Non-Resident VISA student fees for the 2020-21 school year, enhance recruitment efforts and remain competitive with the co-terminus school board, the TDSB.

C. BACKGROUND

1. *This is an annual report provided to the Board for its consideration.* In 2002, the Board approved a motion requesting staff to prepare an annual report on the setting of Non-Resident VISA student fees and updates on any changes that have occurred with surrounding boards.
2. *The Ministry sets a minimum, but no maximum for non-resident fees.* In March 2000, the Ministry of Education announced the Regulation made

under the Education Act, "Calculation of fees for non-residents" for the 2000-01 school year. The regulation pertaining to the charging of tuition fees to VISA students does not set a maximum ceiling on how high the fees should be set, only a required minimum fee since the board does not receive any grants for Visa students.

3. ***The Ministry has added an International Student recovery beginning in the 2019-20 fiscal year.*** In the preparation of the 2019-20 budget the TCDSB was faced with what amounted to a loss of revenue as the Province implemented a plan to recover \$1,300 per International Student beginning in the 2019-20 fiscal year. While the Board originally intended on increasing the tuition for the 2019-20 year to offset this revenue loss, staff advised that 95% of the tuition fees had already been collected for the following year and increasing fees could be seen as a breach of contract. As such, the Board passed the budget with a deficit, partially as a result of providing a one-year phase-in for these tuition fees with the intention of increasing fees in September 2020.

D. EVIDENCE/RESEARCH/ANALYSIS

1. ***TCDSB remained comparable for both the Elementary and Secondary Visa Student fees in the 2019-20 School year.*** Most boards will not set their fees for the following school year 2020-21 until March or April of 2020 so there is very little comparative data. At this time the only board to set its fees for September 2020-21 is the TDSB. Staff expect that other boards will follow this example to cover the International student recovery amount which effectively reduced revenues by \$1,300 per student in 2019-20.
2. ***International Student Fee amounts was a topic during budget discussions.*** On June 11, 2019 at a Special Board meeting the Board of Trustees approved the following motion “That the TCDSB International Visa Student tuition fees be increased by \$2,000 (elementary and secondary)”. The chart below shows the 2019-20 approved fees as per the approved board motion to increase the fees by \$2,000 and it also shows what the market will bear based on TDSB setting their fees at \$16,000.

Panel	Sept, 1 2018 Board Approved Rate (2018- 19 School Year)	March 26, 2019 SAWB (Student Achievement & Well Being) Approved Rate Increase for Sept. 1 2019	Sept. 1 2019 Approved Rate for 2019-20 Communicated to Agents world wide	June 11, 2019 Board Motion	Sept. 1 2020 Fee as per June 11 2019 Board Motion	Staff Suggested adjustment to market rates	Sept 1, 2020 Market Rate Suggested by Staff (TDSB posted rate)
Elementary	\$ 12,500	\$ 500	\$ 13,000	\$ 2,000	\$ 15,000	\$ 1,000	\$ 16,000
Secondary	\$ 14,000	\$ 500	\$ 14,500	\$ 2,000	\$ 16,500	\$ (500)	\$ 16,000

Business Services and International Education staff recommend that the tuition for elementary increase by \$3,000 to \$16,000 and secondary increase by \$1,500 to \$16,000, the application fee will increase by \$100 from \$250 to \$350, and the administration fee of \$40 for those paying by wire transfer as the TCDSB incurs additional costs and tracking and reconciling wire transfers. The administration fee may also encourage parents to make their child's payment using CIBC's on-line banking services, which would not incur the \$40 additional fee.

3. ***All Boards exceed the minimum fee level set by the Ministry.*** For context, the Ministry of Education's Grants for Student Needs (GSNs) requires a minimum VISA tuition fee charge of \$10,844 for elementary and \$11,505 for secondary.
4. ***The TCDSB implemented Director's Caps in 2018-19.*** In collaboration with the International Students department, Planning Services and Director's Council, caps for International VISA students have been developed for all secondary schools, with a particular focus on oversubscribed schools. These CAPS were approved at the February 2, 2018 meeting of the Student Achievement and Well-Being Committee and are applicable as a total for all grade level International students per school.
5. ***TCDSB will continue to monitor the market.*** In the event TDSB or surrounding boards increase or decrease their fees for the 2020-21 school year, TCDSB staff will reevaluate and recommend adjustments to the tuition fee as appropriate.

E. STAFF RECOMMENDATION

1. That the fees for Non-Resident VISA students for September 2020 for Toronto Catholic District School board increase from \$13,000 to \$16,000 for elementary and from \$14,500 to \$16,000 for secondary, inclusive of the \$500 mandatory cost of Health Insurance.
2. That the administrative fee increases from \$250 to \$350.

<u>Panel</u>	<u>Yearly Fee</u>	<u>Pro-Rated Fee</u>
Elementary	\$16,000	or \$1,600 per month
Secondary (under 21)	\$16,000	or \$1,600 per month
Secondary (over 21-Fraser)	\$16,000	or \$2,000 per additional course



REPORT TO

CORPORATE SERVICES, STRATEGIC PLANNING AND PROPERTY COMMITTEE

ONTARIO CATHOLIC SCHOOL TRUSTEES ASSOCIATION (OCSTA) ANNUAL FEES

“And this is my prayer: that your love may abound more and more in knowledge and depth of insight, so that you may be able to discern what is best and may be pure and blameless for the day of Christ”

Philippians 1:9-10

Created, Draft	First Tabling	Review
October 2, 2019	October 10, 2019	Click here to enter a date.

P. De Cock, Comptroller of Business Services & Finance

RECOMMENDATION REPORT

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L. Noronha
Associate Director of Facilities,
Business and Community
Development, and
Chief Financial Officer

A. EXECUTIVE SUMMARY

This report provides the Board of Trustees with contextual background information concerning annual fees paid to the Ontario Catholic School Trustees Association (OCSTA).

Under the School Boards Collective Bargaining Act, 2014 (SBCBA), the OCSTA is the statutory central employer bargaining agency for Catholic District School Boards in central negotiations with employees' unions. In addition, the SBCBA legislates the payment of labour relations fees to the OCSTA to support its labour relations activities. Additional fees are collected by the OCSTA in order to support their activities for the promotion and protection of Catholic education in Ontario.

This report recommends the Board of Trustees approve the payment of OCSTA's annual fees as per the attached invoices in Appendix A and B.

The cumulative staff time required to prepare this report was 2 hours

B. PURPOSE

1. This recommendation report is on the Order Paper of the Corporate Services, Strategic Planning and Property Committee for approval as the amount due exceeds the \$50,000 procurement threshold.

C. BACKGROUND

1. The Board Purchasing Policy FP01 provides delegation of authority to the Director of Education to approve the award of all contracts and expenditures not to exceed a threshold of \$50,000 where the Board of Trustees has approved the budget, project or report.
2. The Board is in receipt of invoices from OCSTA related to annual membership fees and fees related to collective agreement bargaining negotiations. Staff believed that Trustees required a separate report to provide explanation of these fees.

D. EVIDENCE/RESEARCH/ANALYSIS

1. The 2019-20 Education Funding Technical Paper (Appendix A) outlines the Grants for Student Needs (GSNs) funding component provided to District School Boards in order to support the labour relations activities of their respective trustees' associations.
2. The payment of labour relations fees to the respective statutory bargaining agent (OCSTA) is mandatory, and failure to make payment by November 13th 2019 may result in forfeiture of ratification voting rights. The invoice regarding central bargaining fees appears in Appendix B.
3. The payment of OCSTA and Friends and Advocates of Catholic Education (FACE) annual membership fees supports the advocacy activities that support the goals for the promotion and protection of Catholic education in Ontario. The OCSTA invoice regarding annual membership fees and supporting documents regarding membership benefits, fee calculation and OCSTA's 2019-20 annual budget appears in Appendix C.

E. STAFF RECOMMENDATION

That the Board of Trustees approve the OCSTA's annual invoices for 2019-2020 appearing in Appendices B and C.

Central Employer Bargaining Agency Fees Allocation

Under the *School Boards Collective Bargaining Act (SBCBA) 2014*, trustees' associations are the statutory central employer bargaining agents for school boards in central negotiations with teachers' federations and education worker unions.

In 2019–20, boards will continue to be provided with the funding necessary to support the labour relations activities of their respective trustees' associations. The trustees' associations will use these fees solely for the purpose of central labour relations activities, including preparing for central bargaining, participating in the central bargaining process itself, and the implementation and ongoing maintenance of central collective agreements. Eligible expenses include staffing positions for central negotiations, as well as labour-related travel and accommodation, operating expenses, actuarial services, legal services, and translation.

Funding will be provided to school boards as follows:

Type of School Board	# of School Boards	Base Funding for Each School Board	TOTAL
English Public	31	\$43,316	\$1,342,796
English Catholic	29	\$43,017	\$1,247,493
French Public	4	\$233,628	\$934,512
French Catholic	8	\$129,854	\$1,038,832
Isolate & Hospital Boards	9 ¹	\$1,000	\$9,000
	81	n/a	\$4,572,633

The Central Employer Bargaining Agency Fees Allocation is projected to be \$4.6 million in 2019–20.

20 Eglinton Avenue West
 Toronto, Ontario M4R 1K8
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ocsta@ocsta.on.ca www.ocsta.on.ca

Ontario Catholic School
 Trustees' Association

Beverley Eckensweiler, *President*
Michelle Griepsma, *Vice President*
Nick Milanetti, *Executive Director*

September 26, 2019

MEMORANDUM

TO: Toronto Catholic District School Board
 Rory McGuckin, Director of Education

CC: Maria Rizzo, Chairperson
 Michael Del Grande & Markus de Domenico, OCSTA Directors

FROM: Nick Milanetti, Executive Director

SUBJECT: **Invoice for GSN Funding for Central Bargaining - 2019-2020**

The *School Boards Collective Bargaining Act, 2014 (SBCBA)* established a new statutory framework under which the provincial government and trustees' associations directly participate in central collective bargaining as co-management partners. Under the SBCBA, trustees' associations are the statutory central employer bargaining agencies for school boards in central negotiations with teachers' federations and education worker unions.

For the upcoming school year, there is a *Fees for Central Bargaining for the 2019-2020 School Board Fiscal Year* regulation, which provides the regulatory framework to continue the support of labour relations activities for the trustees' associations. The regulation is the same as the previous regulation for the 2018-2019 school board fiscal year. It continues to make the payment of labour relations fees to the bargaining agent (OCSTA) by the school boards mandatory, with this year's deadline of October 16, 2019, for payment. It further provides for the forfeiture of ratification voting rights in the event of non-payment by November 13, 2019.

Enclosed is an invoice in the amount of \$43,017 with payment to be submitted to OCSTA as the employer bargaining agency. This amount is set out in Ontario Regulation 206/15 and is included in your board's GSN allocation from the Ministry.

Your attention to this matter is greatly appreciated.

Attachment

20 Eglinton Avenue West
 Toronto, Ontario M4R 1K8
 T. 416.932.9460 F. 416.932.9459
 ocsta@ocsta.on.ca www.ocsta.on.ca

**Ontario Catholic School
 Trustees' Association**

Beverley Eckensweiler, *President*
Michelle Griepsma, *Vice President*
Nick Milanetti, *Executive Director*

INVOICE

Toronto CDSB 80 Sheppard Ave. East North York, ON M2N 6E8 ATTENTION: Emma Iscaro

Date	Terms	Invoice#
9/15/2019	Due Upon Receipt	20-09-57

Description	Rate	Amount
GSN Funding for CENTRAL BARGAINING FEES re 2019 -2020 Flow though from Ministry of Education's annual GSN funding per Ontario Regulation 2016/15 , that was included in your Board's allocation. Per Memo Issued by Nick Milanetti, OCSTA Executive Director sent to Director of Education- cc Board Chairperson TOTAL AMOUNT DUE to OCSTA: \$ 43,017.00	43,017.00	43,017.00
If Questions, Please Contact June Johnson-Accounting 416 932 9460-ext 229/ jjohnson@ocsta.on.ca	TOTAL DUE:	\$43,017.00



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Beverley Eckensweiler, *President*
Michelle Griepsma, *Vice President*
Nick Milanetti, *Executive Director*

September 26, 2019

MEMORANDUM

TO: Toronto CDSB
Rory McGuckin, Director of Education
Maria Rizzo, Chair

FROM: Nick Milanetti, Executive Director

SUBJECT: 2019-2020 OCSTA Membership Fees & FACE Levy

Please find attached your board's invoice for 2019-2020 Membership Fees based on the formula approved by the OCSTA Board of Directors. The FACE Levy is included on the invoice.

Catholic Trustees and School Boards in partnership make a significant contribution to the success of our Catholic schools. We at OCSTA continue to work with the Provincial Government and other parties represented in the Legislature.

OCSTA is represented at a number of key government working tables as well as the excellent work we are involved in with many of our Catholic stakeholders. The Association also has done a great deal of work in the areas of advocacy through legislative submissions and letters. For 2018-2019 these included:

1. Submission to the Minister of Education re: E-Learning (June 24, 2019)
2. Submission to the standing Committee on Justice Policy Regarding Bill 108: More Homes, More Choice Act, 2019 (May 31, 2019)
3. Submission to the Minister of Children, Community and Social Services and to the Minister of Education – Ontario Autism Consultations (May 29, 2019)
4. Submission to the Minister of Education – Draft Policy/Program Memorandum on School Board Policies on Service Animals (Letter: May 3, 2019)
5. Rowan's Law (Concussion Safety), 2018 Comments on Draft General Regulation (April 16, 2019)
6. Class Size Engagement Guide & Ontario School Boards Hiring Practices Consultation (February 20, 2019)

7. Bill 48, Safe & Supportive Classrooms Act, 2018 (February 14, 2019)
8. 2019 Pre-Budget Consultation (January 28, 2019)
9. Submission to the Minister of Education – Engagement: 2019-2020 Education Funding Guide (December 13, 2018)
10. Partners in Excellence: Balancing Equity & Efficiency (December 10, 2018)
11. Consultation: Education in Ontario (November 23, 2018)
12. Bill 36, Cannabis Statute Law Amendment Act, 2018 (October 9, 2018)
13. Planning for Prosperity: A Consultation for the People (September 21, 2018)
14. Submission to the Minister of Finance Pre-Budget Consultation

Included with this memo and invoice are the following:

- A summary of some major benefits of OCSTA membership
- A summary of OCSTA's Budget 2019-2020
- OCSTA's Membership Fee Schedule (the formula used to determine fees)

On behalf of the Board of Directors, the 559,000 plus students in Catholic schools, and the 2.4 million separate school ratepayers, we thank you for your ongoing support of your provincial Association.

Attachments



Ontario Catholic School Trustees' Association

Benefits of Membership

“One unified provincial voice for Ontario’s English Catholic school boards...”

Throughout the history of Catholic education in Ontario, our system’s strength has been our ability to organize our school trustees under the guiding principles of the Gospel to advance our shared goals for the promotion and protection of Catholic education in Ontario. We achieve those objectives through our ongoing lobbying efforts, our membership development services and the following key activities that directly benefit our members.

OCSTA:

1. Represents Catholic school boards on all provincial consultations and work groups.
2. Provides advice to boards on significant policy issues.
3. Provides an extensive array of classroom and community resources for Catholic Education Week. Information is located online at <http://www.goodnewsforall.ca>. These resources resonate strongly with students, parents and parishes and boards have expressed their appreciation for the materials and information that are generated and shared.
4. Lobbies the government on all funding issues most of which are identified by our member boards.
5. Represents Catholic boards on significant legal issues as they arise.
6. Develops provincial messaging and platforms on key issues and developments in education affecting Catholic schools and shares such strategic resources with boards. To further support effective school board communications and community relations, OCSTA hosts an annual professional development session for school board communication staff.
7. Provides enrichment opportunities for Catholic school board trustees and staff, including the delivery of 19 enrichment modules on various topics related to the role and responsibilities of Catholic trustees.
 - a. The 19 trustee enrichment modules are now offered online in the “Trustee Modules” area on the OCSTA website (www.ocsta.on.ca). All members can enter this centre using their OCSTA user ID and password.
 - b. Annual trustee development events include January Catholic Trustees Seminar, Business Seminar, Labour Relations sessions (as needed) and the Annual General Meeting and Conference.
 - c. The recently developed OCSTA Certificate Course in Leadership and Good Governance was made available to all trustees in 2019. This unique program was offered in partnership with the University of St. Michael’s College (University of Toronto) and included an online component.



Ontario Catholic School
Trustees' Association

2019 - 2020 Expense BUDGET

Account Name	BUDGET 2019-2020	Sub-Total as % of Budget
Partnerships CCSTA, ICE, Miscellaneous Membership Fees, Student Trustees'/1st Nations' Projects	\$ 210,040	9.8%
Political Advocacy Political Affairs & Government Relations, Catholic Curriculum & Education Research, Fees:Consultants, Authors of Briefs, Analysts, Joint Venture	\$ 162,200	7.6%
Communications and Media Relations Communications (Including Promotion of Catholic Education & Media) Public Relations, Advertising	\$ 43,770	2.0%
Governance Committee & Task Force Meetings, Directors' Meetings, Outside Conferences & Seminars	\$ 80,000	3.7%
Operations Rent, Office Expense, Furniture & Computers, Telephone, Postage & Courier, Audit, Insurance, Library, Miscellaneous	\$ 376,250	17.5%
Legal	\$ 45,000	2.1%
OCSTA-hosted Meetings/Seminars/AGM	\$ 235,000	10.9%
Human Resources Salaries & Fees & Contracted Services, Employee Benefits, Government Deductions & Taxes, Professional Development	\$ 996,000	46.4%
TOTAL APPROVED EXPENSE BUDGET	\$ 2,148,260	100.0%



Ontario Catholic School
Trustees' Association

OCSTA Membership Fee Schedule

--- 2019 - 2020 ---

Cat.	Enrolment	Basic Fee	Per Pupil Cost	Cat.	Enrolment	Basic Fee	Per Pupil Cost
A	School Auth-\$2,200 (ended FYE2010 by MOE legislation)			I	20,000 - 29,999	\$20,400	2.736
B	600 - 2,999	\$2,040	4.610	J	30,000 - 39,999	\$30,600	2.278
C	3,000 - 4,999	\$4,080	4.495	K	40,000 - 49,999	\$40,800	2.006
D	5,000 - 6,999	\$5,100	4.265	L	50,000 - 59,999	\$51,000	1.693
E	7,000 - 7,999	\$6,120	4.035	M	60,000 - 69,999	\$61,200	1.526
F	8,000 - 11,999	\$8,160	3.805	N	70,000 - 79,999	\$71,400	1.421
G	12,000 - 14,999	\$10,200	3.690	O	80,000 - 89,999	\$81,600	1.337
H	15,000 - 19,999	\$15,300	2.950	P	90,000 ++++	\$91,800	1.296

Note: This Membership Fee Schedule was approved by Board in June 2012 for use starting in 2012 - 2013; continuing exactly the same in 2013-2014 + 2014-2015 + 2015-2016 + 2016-2017 + 2017-2018 + 2018-2019; REVISED 2019-2020



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INVOICE

Toronto CDSB
80 Sheppard Ave. East
North York, ON M2N 6E8
ATTENTION: Emma Iscaro

Date	Terms	Invoice #
9/15/2019	Due Upon Receipt	20-09-29

Description	Rate	Amount
re 2018 - 2019 OCSTA MEMBERSHIP FEES & F.A.C.E. LEVY		
OCSTA MEMBERSHIP FEES To charge for OCSTA MEMBERSHIP FEES using 2017-2018 Total Enrolment of: 90,432 based on OCSTA 2018-2019 Fee Schedule	209,000.00	209,000.00
F.A.C.E. LEVY re Promotion and Protection of Catholic Education 12 cents per pupil - Based on 2017-2018 Enrolment noted above F.A.C.E. levy is billed in accordance with the Resolution that was approved at the last OCSTA General Assembly held April 27,2018	10,851.84	10,851.84
Note: HST does NOT apply to either Membership Fees nor Special Levy. For more details, see Information Package & Memo provided by Nick Milanetti, Executive Director		
TOTAL AMOUNT DUE to OCSTA: \$ 219,851.84		
If Questions, Please Contact June Johnson-Accounting 416 932 9460-ext 229/ jjohnson@ocsta.on.ca	TOTAL DUE:	\$219,851.84



REPORT TO

CORPORATE SERVICES, STRATEGIC PLANNING AND PROPERTY COMMITTEE

2019-20 TRUSTEE HONORARIUM

"I lift up my eyes to the mountains— where does my help come from? My help comes from the LORD, the Maker of heaven and earth."

Psalm 121:1-2

Created, Draft	First Tabling	Review
September 11, 2019	September 20, 2019	Click here to enter a date.

P. De Cock, Comptroller of Business Services & Finance

G. Sequeira, Coordinator of Budget Services

INFORMATION REPORT

Vision:

At Toronto Catholic we transform the world through witness, faith, innovation and action.

Mission:

The Toronto Catholic District School Board is an inclusive learning community uniting home, parish and school and rooted in the love of Christ.

We educate students to grow in grace and knowledge to lead lives of faith, hope and charity.



Rory McGuckin
Director of Education

D. Koenig
Associate Director
of Academic Affairs

L. Noronha
Associate Director of Facilities,
Business and Community
Development, and
Chief Financial Officer

A. EXECUTIVE SUMMARY

Ontario Law requires that the amount of Trustee Honorarium for the period of December 1st, 2019 to November 30th, 2020 is calculated on the basis of the prescribed formula in Ontario Regulation 357/06.

Based on the formula prescribed by law, the Trustee Honorarium for the year December 1st, 2019 to November 30th, 2020 will be as follows:

	Base	Enrolment	Total
Chair	\$10,900.00	\$17,580.86	\$28,480.86
Vice-Chair	\$8,400.00	\$15,336.47	\$23,736.47
Trustee	\$5,900.00	\$13,092.09	\$18,992.09

The enrolment amount 89,774 Average Daily Enrolment students (ADE) is based on the 2018-2019 Estimates in accordance with Section 9 of Ontario Regulation 357/06. The ADE includes only grantable students of the board and does not include visa students.

The cumulative staff time required to prepare this report was 3 hours

B. PURPOSE

As per TCDSB Trustee Honorarium Policy T.05, the Board shall pay the maximum amount of the annual honorarium for trustees as prescribed by Ontario Regulation 357/06.

C. BACKGROUND

1. On July 22, 2006 *Ontario Regulation 357/06, Honoraria for Board Members* was passed into law.
2. Ontario Law requires that the amount of Trustee Honorarium for the period December 1st, 2019 to November 30th, 2020 is calculated on the basis of the prescribed formula in Ontario Regulation 357/06.

3. The Ministry of Education amended O. Reg. 357/06 by regulation (O.Reg.190/14), which establishes the base amount limit of honoraria that the Board may pay for the 2018-2022 term of office. This base amount shall be maintained at the current \$5,900 as prescribed in O.Reg.357/06 without any adjustment to reflect changes to the Ontario Consumer Price Index.

D. EVIDENCE/RESEARCH/ANALYSIS

1. Based on the formula prescribed by law, the Trustee Honorarium for the year December 1st, 2019 to November 30th, 2020 will be as follows:

	Base	Enrolment	Total
Chair	\$10,900.00	\$17,580.86	\$28,480.86
Vice-Chair	\$8,400.00	\$15,336.47	\$23,736.47
Trustee	\$5,900.00	\$13,092.09	\$18,992.09

The enrolment amount (89,774 ADE) is based on the 2018-2019 Estimates in accordance with Section 9 of O. Reg. 357/06.

New for 2019 and later tax years, non-accountable allowances paid to elected officers will be included in their income. This change was stated in the 2017 federal budget, which received royal assent on June 22, 2017 (Bill C 44).

2. The Trustee Honorarium for the year December 1st, 2018 to November 30th, 2019 was:

	Base	Enrolment	Total
Chair	\$10,900.00	\$17,492.67	\$28,392.67
Vice-Chair	\$8,400.00	\$15,259.54	\$23,659.54
Trustee	\$5,900.00	\$13,026.42	\$18,926.42

3. The annual honorarium for trustees, pursuant to Ontario Regulation 357/06 and Board Policy T.05 Trustee Honorarium for the year commencing December 1st, 2019 shall be comprised of:
 - (i) a base amount of \$5,900.

- (ii) a percentage of 100% of the amount calculated annually as the Board's day school average enrolment, as determined for the purposes of the regulation made under section 234 of the *Act* multiplied by \$1.75 divided by 12.
- (iii) an attendance amount of \$50 per meeting for attending any meeting of a committee of the Board that is required to be established by an *Act* or a regulation made under an *Act*.
- (iv) that the Chair of the Board receive an additional base amount of \$5,000 annually.
- (v) that the Vice-Chair of the Board receive an additional base amount of \$2,500 annually.
- (vi) that the Chair of the Board receive an additional enrolment amount calculated as the lesser amount of:
 - (a) the Board's day school average enrolment as described above multiplied by 5 cents; and
 - (b) \$5,000
- (vii) that the Vice-Chair of the Board receive an additional enrolment amount calculated as the lesser amount of:
 - (a) the Board's day school average enrolment as described above by 2.5 cents; and
 - (b) \$2,500

E. CONCLUDING STATEMENT

This report is for the consideration of the Board.



REPORT TO

CORPORATE SERVICES, STRATEGIC PLANNING AND PROPERTY COMMITTEE

ENROLMENT STATUS REPORT 2019/20

"So the churches were strengthened in the faith and increased in numbers daily." Acts 16:5

Created, Draft	First Tabling	Review
September 30, 2019	October, 10, 2019	Click here to enter a date.
K. Rajasooriar, Supervisor/Demographer Planning A. Brutto, Sr. Manager, Planning and Admissions B. Leporati, Sr. Coordinator, Planning M. Loberto, Superintendent of Planning and Development		
INFORMATION REPORT		

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Rory McGuckin
Director of Education

D. Koenig
Associate Director
of Academic Affairs

L. Noronha
Associate Director of Facilities,
Business and Community
Development, and
Chief Financial Officer

A. EXECUTIVE SUMMARY

This report provides a side-by-side comparison of the preliminary Full-Time Equivalent (FTE) enrolment figures for October 4, 2019 with the Board approved projected enrolment for October 31, 2019.

Overall projected enrolment has come within 0.57% of projected enrolment.

The cumulative staff time required to prepare this report was 45 hours.

B. EVIDENCE/RESEARCH/ANALYSIS

1. Elementary Panel Enrolment

	JK	SK	Gr1	Gr2	Gr3	Gr4	Gr5	Gr6	Gr7	Gr8	Total
Actual	5,803	6,097	6,156	6,344	6,240	6,358	6,406	6,473	6,566	6,461	62,904
Proj.	5,971	5,969	6,206	6,370	6,256	6,414	6,398	6,523	6,631	6,503	63,241
Diff.	-168	128	-50	-26	-16	-56	8	-50	-65	-42	-337

- *Actual elementary enrolment is within 0.54% of the projected enrolment numbers approved in March 2019.*
- Following post-projection consultation with school principals in late September, the full amount of newcomers and asylum seekers projected from last year has yet to fully materialise. A large portion of migrants who had settled in certain areas of Toronto, have since relocated to municipalities outside of the city due to accommodation issues. Additionally, some schools experienced family/student loss because of various local housing affordability concerns.
- The new Bishop Macdonell Catholic Elementary School was anticipated to open in fall 2019. Construction delays have pushed the opening of the school to January 2020 and as such, projected enrolment far exceeds actual enrolment at this specific campus. Future Bishop Macdonell students are currently being accommodated at St. Mary.

2. Secondary Panel Enrolment

	Gr 9	Gr 10	Gr 11	Gr 12	Total
Actual	6,583	6,718	6,854	8,419	28,574
Projected	6,612	6,793	6,949	8,408	28,762
Difference	-29	-75	-95	11	-188

- *Actual enrolment is within 0.66% of the projected enrolment numbers approved in March 2019.*
- Planning forecasted a decline from 2018-19 enrolment figures which is consistent with a drop in secondary enrolment for the current school year.

3. Total Enrolment (FTE)

	Total	% Diff.
Actual FTE	91,478	0.57%
Projected FTE	92,003	
Difference	-525	

- *Enrolment statistics will continue to fluctuate as students return from extended leave, transfers occur and waitlists are cleared.*

4. Comparison of Actuals

	Total	% Diff.
2018 Actual FTE	91,707	0.25%
2019 Actual FTE	91,478	
Difference	-229	

- Enrolment projections have their basis in October 31st student counts, as such staff expect enrolment to approach projection in the coming weeks as the October 31st count date nears.

- In the interim, leading up to projection day (Oct 31st), staffing has been adjusted system wide to account for schools that have lower enrolment in relation to their projection. These figures will be reported on in full in the 2019-20 revised budget estimates report, scheduled for December 2019.

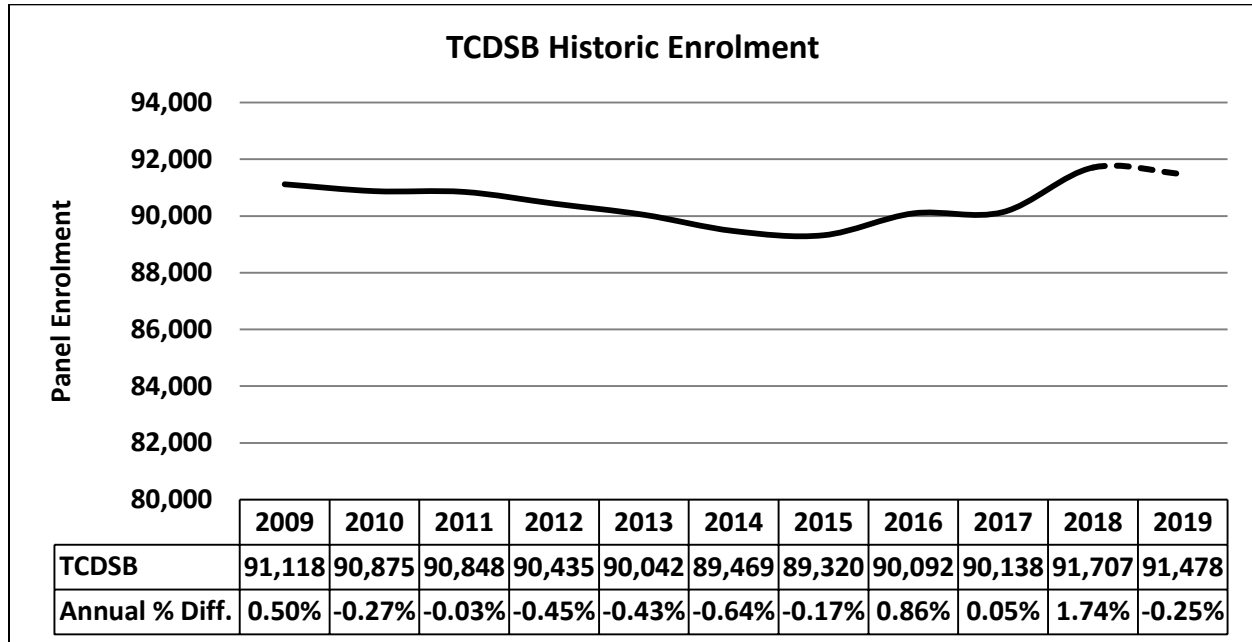
5. **Projection Trends**

- The elementary panel grew at a rate of 0.23% from 2018-19 to 2019-20. This is lower than the 0.82% projected growth rate, however, it represents growth in this panel nonetheless. Due to the volume of infill housing development in Toronto, student growth has influenced all grades as opposed to predominately in the FDK and junior grades as is the general case with new build construction.
- The secondary panel has declined by -2.42% from 2018-19 to 2019-20 which is consistent with Planning projections.
- Recent historical trends indicate that the TCDSB can expect this trend of slow but steady year over year elementary enrolment growth to continue into the near future.
- Secondary enrolment is currently experiencing a minor dip with three consecutive years of relatively large grade 12 graduating classes. This trend is expected to rebound within the coming years as larger elementary class sizes progress to high school. Recent historical trending show Elementary enrolment slightly increasing, while Secondary enrolment is experiencing a minor dip with an expected rise within the next couple years.

6. **Historical Projection Information**

- Elementary enrolment had been in decline since 2008, however; beginning in 2015 sustained growth has been observed. Over the coming years it is anticipated that elementary enrolment will continue to grow at a moderate pace due to strong residential housing forecasts.
- Secondary enrolment had been in decline since 2011. Over the next two years, it is anticipated that Secondary enrolment will continue to decline slightly before entering a period of growth and levelling off at around 30,000 FTE as a result of larger elementary class sizes progressing into secondary.

- Enrolment growth has been exhibited board-wide since 2015. This period of growth is expected to continue into the foreseeable future as a result of strong residential housing forecasts for the City of Toronto.



C. CONCLUDING STATEMENT

This report is for the consideration of the Board.

2019 REVISED CALENDAR OF ANNUAL REPORTS & POLICY METRICS

A = Annual Report

P = Policy Metric Report

Q = Quarter Report

#	Due Date	Committee/Board	Subject	Responsibility of
1	January (P)	Corporate Services	<u>B.R.01 Rental of Surplus School Space & Properties</u> Policy Metric	A.D. Facilities, Business, Community Development
2	February (Q)	Corporate Services	Financial Status Update Report #1	A.D. Facilities, Business, Community Development
3	March (A)	Corporate Services	Budget Series Report: Financial Planning and Consultation Review	A.D. Facilities, Business, Community Development
4	March (A)	Corporate Services	Consensus Student Enrolment Projection	A.D. Facilities, Business, Community Development
5	March (A/P)	Corporate Services	Transportation Annual Report and <u>S.T.01 Transportation</u> Policy Metric	A.D. Facilities, Business, Community Development
6	April (A)	Corporate Services	Budget Series Report: Grants for Student Needs Update	A.D. Facilities, Business, Community Development
7	May (P)	Corporate Services	<u>A.18 Development Proposals, Amendments and Official Plans and Bylaws</u> Policy Metric	A.D. Facilities, Business, Community Development
8	May (Q)	Corporate Services	Financial Status Update Report #2	A.D. Facilities, Business, Community Development
9	May (A)	Corporate Services	Budget Series Report: Preliminary Budget Estimates for the Following Fiscal Year	A.D. Facilities, Business, Community Development
10	June (A)	Corporate Services	Budget Series Report: Recommended Budget Estimates for the Following Fiscal Year	A.D. Facilities, Business, Community Development
11	June (A)	Corporate Services	Delegated Authority Report	A.D. Facilities, Business, Community Development
12	September (Q)	Corporate Services	Financial Status Update Report #3	A.D. Facilities, Business, Community Development

2019 REVISED CALENDAR OF ANNUAL REPORTS & POLICY METRICS

13	September (A)	Corporate Services	Preliminary Enrolment Report for Elementary and Secondary Schools and S.A.01 <u>Elementary Admission and Placement</u> Policy Metric	A.D. Facilities, Business, Community Development
14	September (A)	Corporate Services	Capital Program Update	A.D. Facilities, Business, Community Development
15	September (A)	Corporate Services	Delegated Authority Update Report	A.D. Facilities, Business, Community Development
16	October (A)	Corporate Services	Trustee Honorarium Report	A.D. Facilities, Business, Community Development
17	November (A)	Corporate Services	Legal Fees Report	A.D. Facilities, Business, Community Development
18	November (A/Q)	Corporate Services	Audited Financial Statement and Financial Status Update #4	A.D. Facilities, Business, Community Development
19	December (A)	Corporate Services	Budget Series Report: Revised Budget Estimates for the Current Fiscal Year	A.D. Facilities, Business, Community Development
20	December (A)	Corporate Services	Annual Investment Report	A.D. Facilities, Business, Community Development

**CORPORATE SERVICES, STRATEGIC PLANNING AND PROPERTY
PENDING LIST TO OCTOBER 10, 2019**

#	Date Requested & Committee/Board	Report Due Date	Destination of Report Committee/Board	Subject	Delegated To
1	Apr-19 Corporate Services	TBD	Corporate Services	Report regarding meeting of staff, Trustee and key members of the O'Connor Heritage House Committee to determine what kind of partnership would be feasible going forward (Senator O'Connor College School Estate Building (Ward 11))	Associate Director of Facilities, Business & Comm. Dev & CFO
2	May-19 Corporate Services	Nov-19	Regular Board	Report regarding Playground Forms (Inquiry from Trustee Rizzo)	Associate Director of Facilities, Business & Comm. Dev & CFO