

Corporate Affairs, Strategic Planning And Property Committee

REGULAR MEETING Public Session AGENDA

OCTOBER 15, 2015

Joseph Martino, Chair
Trustee Ward 1

Sal Piccininni, Vice Chair
Trustee Ward 3

Ann Andrachuk
Trustee Ward 2

Patrizia Bottoni
Trustee Ward 4

Nancy Crawford
Trustee Ward 12

Frank D'Amico
Trustee Ward 6

Allison Gacad
Student Trustee

Jo-Ann Davis
Trustee Ward 9

Michael Del Grande
Trustee Ward 7

Angela Kennedy
Trustee Ward 11

Barbara Poplawski
Trustee Ward 10

Maria Rizzo
Trustee Ward 5

Garry Tanuan
Trustee Ward 8

Karina Dubrovskaya
Student Trustee



MISSION

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

VISION

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

Recording Secretary: Lalita Fernandes 222-8282 extension 2293

Angela Gauthier
Director of Education

Michael Del Grande
Chair of the Board

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

The Corporate Affairs, 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 Affairs, Strategic Planning and Property Committee including budget development
- (e) Policy development and revision in the areas of responsibility of the Corporate Affairs, 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 Affairs, 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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OUR VISION

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through witness, faith, innovation and action.*



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

PUBLIC SESSION

Joseph Martino, Chair

Sal Piccininni, Vice-Chair

Thursday, October 15, 2015

7:00 P.M.

	Pages
1. Opening Prayer	
2. Roll Call & Apologies	
3. Approval of the Agenda	
4. Declarations of Interest	
5. Approval & Signing of the Minutes of the Meeting held September 17, 2015 for Public and Private Sessions (Private Minutes distributed under separate cover).	1 - 9
6. Delegations	
7. Presentation	
8. Committee Member/Trustee Matters (submitted 72 hours notice)	
8.a From Trustee D'Amico regarding Public confidence	10
8.b From Trustee Crawford, regarding request for liquor permit for Neil McNeil	11
9. Reports Requiring Action	
9.a Report regarding Video Surveillance Options, Funding and Images	12 - 24

	retention Period Audit	
9.b	Report regarding Cost Benefit of Full Air Conditioning Versus Displacement Air/Heating in New Elementary Schools.	25 - 53
9.c	Report regarding City of Toronto Water and Wastewater Rates Update	54 - 62
9.d	Report regarding Revised Permit Fee Structure and Rates	63 - 76
9.e	Trustee Honorarium (2015-16)	77 - 80
10.	Reports/Minutes of Special/Ad Hoc Committees	
11.	Reports For Information	
11.a	Report regarding City of Toronto Ward Boundary Review Impact on TCDSB Trustee Boundaries	81 - 107
12.	Communications	
13.	Inquiries and Miscellaneous	
14.	Pending List	108 - 112
15.	Resolve into FULL BOARD to Rise and Report	

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

HELD THURSDAY, SEPTEMBER 17, 2015

PUBLIC SESSION

PRESENT:

J. Martino, Chair
S. Piccininni, Vice-Chair
P. Bottoni
N. Crawford
F. D'Amico
J.A. Davis – by teleconference
M. Del Grande
A. Kennedy
M. Rizzo – by teleconference
G. Tanuan

A Gauthier
A. Sangiorgio
G. Poole
R. McGuckin
P. DeCock
M. Puccetti
J. Yan

L. Fernandes, Recording Secretary
G. Mak, Officer – Corporate Services

Apologies were received from Trustees Andrachuk, Poplawski and Student Trustees Gacad and Dubrovskaya who were unable to attend the meeting.

MOVED by Trustee Crawford, seconded by Trustee Davis, that the agenda, as amended, be approved.

CARRIED

Trustees D'Amico, Kennedy and Del Grande declared an interest in item 11d) Report regarding Financial Update Report as at June 30, 2015 as their family members are employees of the Board. Trustees D'Amico, Kennedy and Del Grande indicated that they would neither vote nor participate in the discussion of the item.

MOVED by Trustee Kennedy, seconded by Trustee D'Amico, that the Minutes of the Regular Meeting held June 8, 2015 for Public Session be approved with an amendment to indicate that Trustee Crawford declared an interest in item 11a) Report regarding Ministry Response to St. Michael's Choir School Funding Submission.

On the vote being taken, as follows:

In favour

Opposed

Trustees Crawford
 Kennedy
 Davis
 Del Grande
 Martino
 Piccininni
 Bottoni
 D'Amico
 Rizzo
 Tanuan

The Motion, was declared

CARRIED

MOVED by Trustee Bottoni, seconded by Trustee Tanuan, that item 8a) be adopted as follows:

- 8a) Trustee Matter From Trustee Bottoni request for permission to serve liquor at St. Jane Frances Elementary School on December 12, 2015** that the permit policy be waived and that permission be granted to ITCRF c/o Sydney Onyido to serve alcohol at their even on December 12, 2015 at St. Jane Frances Elementary School.

On the vote being taken, as follows:

Trustees Crawford
Kennedy
Davis
Del Grande
Martino
Piccininni
Bottoni
D'Amico
Rizzo
Tanuan

The Motion, was declared

CARRIED

MOVED by Trustee Davis, seconded by Trustee Kennedy, that item 9a) be adopted as follows:

- 9a)** **Capital Priorities 2015-2016 Update** that the following revised Capital Priorities Projects submitted to the Ministry of Education on July 15, 2015 be approved:

Rank | Project | Description

- 1) Blessed Cardinal Newman - Replacement School (Revised)
- 2) St. Michael Choir - Replacement School
- 3) St. Antoine Daniel - Replacement School/Child Care (Revised)
- 4) St. Augustine of Canterbury - Addition/Gymnasium/Child Care
- 5) Bishop Allen - Replacement School (Revised)
- 6) St. Clement - Addition/Gymnasium/Child Care
- 7) St. Boniface - Replacement School (Revised)
- 8) Loretto Abbey - Addition/Major Retrofit/Gymnasium/ Child Care

On the vote being taken, as follows:

Trustees Crawford
 Kennedy
 Davis
 Del Grande
 Martino
 Piccininni
 Bottoni
 D'Amico
 Rizzo
 Tanuan

The Motion, was declared

CARRIED

MOVED by Trustee D’Amico, seconded by Trustee Del Grande, that item 9b) be adopted as follows:

9b) Capital Program September 2014-2015

1. That the Active Transportation Charter be approved, as detailed in Appendix B.
2. That the Board authorize the Director of Education to negotiate further agreements with the City of Toronto for the placement of bicycle racks on Board sites.
3. That the Selection Criteria as noted in the report continue to be used for the allocations of future bike rack placement.

On the vote being taken, as follows:

In favour

Opposed

Trustees Crawford
 Kennedy
 Davis
 Del Grande
 Martino
 Bottoni
 D’Amico
 Rizzo
 Tanuan

Trustee Piccininni

The Motion, was declared

CARRIED

MOVED by Trustee Tanuan, seconded by Trustee Crawford, that item 9c) be adopted as follows:

9c) Bicycle Rack Donation from City of Toronto Infrastructure (ALL WARDS)

1. That the Active Transportation Charter be approved, as detailed in Appendix B.
2. That the Board authorize the Director of Education to negotiate further agreements with the City of Toronto for the placement of bicycle racks on Board sites.
3. That the Selection Criteria as noted in the report continue to be used for the allocations of future bike rack placement.

On the vote being taken, as follows:

In favour

Opposed

Trustees Crawford
Kennedy
Davis
Piccininni
Del Grande
Martino
Bottoni
D'Amico
Rizzo
Tanuan

The Motion, was declared

CARRIED

Staff to send the entire list to all Trustees.

MOVED by Trustee Piccininni, seconded by Trustee Del Grande, that item 11a) be adopted as follows:

- 11a) Report regarding Update on Premier's Community Hub Advisory Group – received.**

On the vote being taken, as follows:

In favour

Opposed

Trustees Crawford
Kennedy
Davis
Piccininni
Del Grande
Martino
Bottoni
D'Amico
Rizzo
Tanuan

The Motion, was declared

CARRIED

MOVED by Trustee Crawford, seconded by Trustee Kennedy, that item 11b) be adopted as follows:

- 11b) Report regarding Partnership Development Progress Report - received with a direction to staff to provide an update on the on-going discussion with Ryerson**

On the vote being taken, as follows:

In favour

Opposed

Trustees Crawford
Kennedy
Davis
Piccininni
Del Grande
Martino
Bottoni
D'Amico
Rizzo
Tanuan

The Motion, was declared

CARRIED

Trustee D'Amico and Kennedy left the room.

MOVED by Trustee Piccininni, seconded by Trustee Bottoni, that item 11c) be adopted as follows:

11c) Financial Update Report as at June 30, 2015 – received.

On the vote being taken, as follows:

In favour

Opposed

Trustees Crawford
Davis
Piccininni
Martino
Bottoni
Rizzo
Tanuan

The Motion, was declared

CARRIED

Trustees D'Amico, Del Grande and Kennedy returned to the meeting.

MOVED by Trustee Del Grande, seconded by Trustee Crawford, that the meeting resolve into FULL BOARD to rise and report.

CARRIED

SECRETARY

CHAIR



FRANK D'AMICO
Trustee, Ward 6

Email: frank.damico@tcdsb.org

Voice Mail/Fax: (416)512-3406

MOTION FOR BOARD

"Enhancing public trust and confidence regarding public funds"

To ensure accountable, appropriate and transparent expenditure and expense policies and practices to the public regarding public funds

Whereas expenditures supported by public funds must be appropriate and equally important, seem to be so,

Whereas the public should be allowed to see not only public funds expended by elected trustees but should be entitled to see all public funds expended

Whereas public funds are spent in a variety of areas, some of which may be questionable

Let it be resolved that all public funds expended by all TCDSB staff be posted online beside the trustee expenses, including proper receipts.

MEMORANDUM

October 15, 2015

TO: CORPORATE AFFAIRS COMMITTEE

FROM: Nancy Crawford
Trustee, Ward 12

SUBJECT: **Request for permission to serve liquor for Neil McNeil Alumni Association Celebration – November 6, 2015**

The staff and community of Neil McNeil Catholic Secondary School Alumni Association will be celebrating its Annual Alumni celebration on November 6, 2015. The principal has requested to serve liquor for this event.

That the permit policy be waived and that permission be granted to Neil McNeil Catholic Secondary School to serve alcohol at the Annual Alumni Association Celebration on Friday, November 6th from 6:00 p.m. until 11:00 p.m.

Thank you for your consideration.

Nancy Crawford
Trustee, Ward 12



REPORT TO

CORPORATE AFFAIRS, STRATEGIC PLANNING AND PROPERTY COMMITTEE

CRITERIA REGARDING PRIORITY FUNDING FOR VIDEO SURVEILLANCE SYSTEMS AT ELEMENTARY SCHOOLS

*"I can do all this through Him who gives me strength."
Philippians 4:13 (NIV)*

Created, Draft	First Tabling	Review
September 28, 2015	October 15, 2015	
<p>A. Rashid, Senior Coordinator, Operations M. Iafrate, Senior Coordinator, Renewal K. Elgharbawy, Senior Coordinator, Maintenance J. Di Fonzo, Senior Coordinator of Technical Services P. de Cock, Comptroller, Business Services A. Della Mora, D. Yack, G. Grant, G. Iuliano-Marrello, J. Saraco, J. Shain, J. Shanahan, N. D'Avella Superintendents of Learning, Student Achievement and Well-Being V. Burzotta, Superintendent Safe Schools M. Puccetti, Superintendent of Facilities Services</p>		
<p>RECOMMENDATION REPORT</p>		

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



G. Poole
 Associate Director of Academic Affairs

A. Sangiorgio
 Associate Director of Planning and Facilities

Angela Gauthier
 Director of Education

A. EXECUTIVE SUMMARY

This report is in response to a Trustee Motion, from January 29, 2015 Regular Board, to determine criteria that may be used to determine priority funding for video surveillance for elementary schools.

Currently, requests for installation of video surveillance for elementary schools are based on a “*School Security Incident Matrix*”, referenced in **Appendix A**, which is completed by the school Principal and submitted to the Facilities Services department. The Facilities department will review the completed Matrix, and if a pattern has been identified, Facilities staff will meet with the school Principal to develop a plan of action. Progress of the plan will be monitored over several months to ensure the identified issues have been adequately addressed. In the event that the situation escalates, a security consultant may be retained to provide a comprehensive security evaluation reviewing multiple indicators that apply to the total school facility, which may include the installation of security cameras.

Installation of new security systems (card readers and cameras) or to upgrade existing systems, if over the \$10,000.00 minimum capital expense threshold, can be funded through the School Renewal Program. Replacement of individual parts and repairs including routine services can only be funded through the Board’s School Operations Grant under the Pupil Accommodation Grant (PAG).

B. PURPOSE

This report is in response to Trustee Motion, arising from approval of the revised Video Surveillance Policy B.M. 07, “*that the matter regarding the criteria that may be used to determine the priority funding for video surveillance for elementary schools be referred to Corporate Affairs, Strategic Planning and Property Committee.*”

C. BACKGROUND

1. In 2008, Education Council approved “*School Security Incident Matrix*” (Appendix A) as a means to identify and respond to local elementary school concerns. Principals complete the Matrix, identifying the type and number of occurrences of incidents, identified under the following security headings: Police Matters, After Hours Security Matters, Other Security Breaches, and Hate Crimes. The Matrix is not weighted, but the number of incidents i.e. lock-downs in the area, police or security incident reports, weapons,

assaults, etc. and or a pattern of repeated incidents, will determine a recommendation to install security cameras or other devices.

2. Since 2008, Facilities Services has received twenty-one (21) “*School Security Incident Matrix*” requesting either additional card readers or video surveillance systems (new installs or additional cameras). As a result of the completed School Security Incident Matrix, ten (10) video surveillance systems have been installed since 2008, funded through the School Renewal Program or through Ministry-funded security initiatives. In the past, several elementary schools raised funds for security camera systems - which have subsequently been upgraded through the School Renewal program or by the Maintenance department funded through the School Operation budget, under the Pupil Accommodation Grants (PAG).
3. The majority of the Board’s Security Surveillance systems are located in secondary schools and the Msgr. Fraser facilities. There are 58 elementary schools with a video surveillance installation. As noted in Appendix B some schools have a single-camera plus DVR installation, and some have multiple camera installations.
4. The estimated cost to install a video surveillance system (with 48 cameras) for a secondary school is \$110,000.00. The estimated cost to install an elementary school video surveillance system (25 cameras) is \$75,000.00. Four (4) new video surveillance systems and three (3) upgrades to existing systems were completed for a total cost of \$350,000.00, funded from the 2012 - 2014 School Renewal Program, as follows:
 - New Systems:
 - a) St. Josaphat Catholic School
 - b) Msgr. Fraser Annex & Orientation (former St. Peter)
 - c) Msgr. Fraser-St. Martin Campus Apple-Secondary (Safe Schools Office)
 - d) Dante Alighieri Beatrice Campus
 - Upgrades to Existing Systems:
 - e) Michael Power/St. Joseph Catholic Secondary School
 - f) St. Basil College School
 - g) St. Patrick Catholic Secondary School
5. The cost to install video surveillance systems at all elementary schools would be \$11 M. and would require an additional \$350,000.00 a year in the Maintenance budget, funded from the Pupil Accommodation Grant (PAG),

to maintain and undertake component replacements or routine servicing. Currently, the Maintenance department undertakes approximately 874 work orders per year as well as routine servicing for repair or replacement for an estimated \$140,548.80/year, using both internal staff and external contractors, depending on volume and complexity of the work. Additional staff resources, such as technician to repair the cameras, and a central monitoring department would be required to support a system-wide expansion of video surveillance program.

6. In addition to the Maintenance department's work to maintain and repair video surveillance systems, the Technical Services Department helps to ensure network connectivity for the Digital Video Recorders (DVR), integration of the DVRs into the central authentication software and technical support of the end-user desktop software. The role can be stated as first responder to eliminate any IT related (e.g., software malfunction), end-user error or desktop computer from the issue and once determined it is not an IT issue; then the problem is handed over to the Maintenance department to address any hardware and software issues with the DVR or any of the camera hardware components.
7. The Board's Secondary School Design Standards include installation of video surveillance systems. However, for new elementary schools, which are locked throughout the school day and have card readers, as well as front door entry systems (video phone with door release controls from the office), video surveillance systems have not been included in elementary schools design standards. The addition of video surveillance systems for new elementary schools would need to fall within the Ministry's cost benchmark for new school construction.

D. EVIDENCE/RESEARCH/ANALYSIS

1. There are several school boards in Ontario such as Toronto District School Board, Durham Catholic School Board, and Ottawa Catholic School Board that use a Security Incident Matrix when placing security cameras at schools where there has been a history of loitering/vandalism/damage to property.
2. In December 2012, the Ministry of Education issued a direction that all elementary schools in the Province must provide controlled access to the school building. However, there is no legislation currently in place in Ontario, requiring schools to have video surveillance systems; the Ministry

suggests that employers may want to consider security cameras as a control measure to address workplace violence. Every workplace is different and there are several possible solutions available to mitigate violence.

3. Facilities staff are revising the technical standards for video surveillance systems to Internet Protocol or IP-based video surveillance systems, which is slated to become the industry standard in the near future. Future installations, including the DVR replacements, should be IP-based or compatible, as this will provide for easier remote access and better image quality and improved functionality.

E. VISION

VISION	PRINCIPLES	GOALS
Strengthening public confidence and providing stewardship of resources.	Responding to stakeholder questions and concerns. Improve communications and provide expertise for public communication that reflects the mission, vision and values of the Board.	Respond to local concerns in an equitable, transparent manner. Ensure fiscal responsibility for the Board's resources with regard to installation and maintenance of video surveillance system.

F. ACTION PLAN

F. #1 Explanation of Options/Scenarios

#1 Status Quo	#2 Status Quo plus New Installations
Phased, annual program of upgrades to existing elementary school video systems, to replace Intellex systems, as part of the School Renewal Program.	As per Option 1, review and respond to requests based on <i>School Security Incident Matrix</i> , to include addition of up to two <u>new</u> video surveillance systems per year funded through the School Renewal Program.

G. #2 Resource & Compliance Requirements

Resources	#1	#2
Capital/ Infrastructure	Cost of upgrades	Cost of two new systems/year
Human Resources	Existing Technical Staff	As number of Video Surveillance systems increases, additional technical staff will be required.
Costs/Funding Source	Annual PM and cost of work orders estimated at \$175,000.00 for 2015-16, to be charged to School Renewal Program.	Costs for the next 5 years are: 2016-17: \$192,500 2017-18: \$211,750 2018-19: \$232,925 2019-20: \$256,218 2020-21: \$281,888
Legal / Policy Compliance	BM.07	Compliance with The Municipal Freedom of Information and Protection of Privacy Act (MFIPPA) Regulation 823, Section 5

H. METRICS AND ACCOUNTABILITY

1. Annual updating of Video Surveillance Systems master list would be monitored through the Maintenance department. As systems reach the end of their life cycle, replacement systems would be recommended and funded through the Board's School Renewal Program, approved by Board.
2. All projects shall be issued for tender, in keeping with the Broader Public Sector Procurement Directive.
3. Update information in the Ministry Asset Management database, TCPS (formerly known as ReCapp) when systems are replaced.

J. IMPLEMENTATION, STRATEGIC COMMUNICATIONS AND STAKEHOLDER ENGAGEMENT PLAN

1. In collaboration with the Technical Services Department, who oversee software and program-related servicing/upgrades, provide a Memorandum to Principals at the start of the school year explaining how to report problems with existing video surveillance systems and other security-related devices, as well as information regarding the *School Security Incident Matrix*.
2. Provide a copy of the *School Security Incident Matrix* on the Board's Web site.

K. STAFF RECOMMENDATION

1. That the "*School Security Incident Matrix*" as referenced in the report continues to be used to determine the criteria for approval of two (2) new video surveillance systems at elementary schools, at the total cost of \$150,000.00 per year funded through the School Renewal Program budget.
2. That additional funding be made available through the Pupil Accommodation Grant, under School Operations, to undertake additional repairs and servicing of existing video surveillance systems in the amount of \$100,000.00/year.

SCHOOL SECURITY INCIDENT MATRIX						
NAME OF SCHOOL:						
TYPE OF SECURITY BREACH	Date of Incident	Police Report Filed	Security Report Filed	Work Order Number Where Applicable	Location of Altercation or Incident	Comments
POLICE MATTERS:						
Intruder in the Building						
Intruder in School Yard						
Weapon threats at School						
Danger in the Immediate Area (Lock Down)						
School in Lock Down						
Major Theft: at school (over \$5000)						
Major Theft: outside of school						
Vandalism: Major						
Cars Stolen (Day or Night)						
Cars Vandalized (Day or Night)						
Assault (on/off School Property)						
AFTER HOUR SECURITY MATTERS:						
School Placed on Special Attention						
Graffiti						
Break-in After Hours						
Illegal Dumping on School Property						
Loitering (Day, Night, Weekend)						
OTHER SECURITY BREACHES						
Minor Theft: at school						
Minor Theft: outside of school						
Vandalism: Minor (under \$5000)						
Broken Bottles						
Needles found in school yard						
Poor Lighting in Parking Lot						
Derelict Cars on School Property						
Physical Threat (on/off school property)						
HATE CRIME:						
1. Internet						
2. Graffiti						

List of Video Surveillance Systems at All Schools					Sept. 2015
SCHOOL NAME	# CCTV Cameras	# of Outside Cameras	Elementary	Secondary	# of Intellex
ALL SAINTS	16.00	4.00	1		1
ANNUNCIATION	1.00	1.00	1		1
ARCHBISHOP ROMERO	39.00	8.00		1	3
BISHOP ALLEN ACADEMY	48.00	10.00		1	3
BISHOP MARROCCO	55.00	7.00		1	4
BLESSED CARDINAL NEWMAN	45.00	5.00		1	3
BLESSED JOHN XXIII	0.00	0.00			
BLESSED MARGHERITA CITTA	0.00	0.00			
BLESSED MOTHER TERESA	47.00	7.00		1	3
BLESSED PIER GIORGIO FRASATI	0.00	0.00			
BLESSED POPE JOHN PAUL II	53.00	6.00		1	4
BLESSED SACRAMENT	1.00	1.00	1		1
BLESSED TRINITY	0.00	0.00			
ST. EDWARD	0.00	0.00			
BREBEUF COLLEGE	30.00	6.00		1	2
CANADIAN MARTYRS	0.00	0.00			
CARDINAL CARTER	48.00	5.00		1	2
CARDINAL LEGER	0.00	0.00			
CEC	30.00	2.00		1	2
CHAMINADE COLLEGE	46.00	5.00		1	3
CHRIST THE KING	1.00	1.00	1		1
DANTE ALIGHIERI ANNEX SS FLEMING	31.00	6.00		1	2
DANTE ALIGHIERI	47.00	10.00		1	3
D'ARCY MCGEE	0.00	0.00			
DON BOSCO	48.00	4.00		1	3
EPIPHANY OF OUR LORD	0.00	0.00			
FATHER HENRY CARR	32.00	7.00		1	2
FATHER JOHN REDMOND	32.00	4.00		1	2
FATHER SERRA	1.00	1.00	1		1
FRANCIS LIBERMANN	48.00	8.00		1	3
HOLY ANGELS	1.00	1.00	1		1
HOLY CROSS	0.00	0.00			
HOLY FAMILY	0.00	0.00			
HOLY NAME	0.00	0.00			
HOLY REDEEMER	0.00	0.00			
HOLY ROSARY	1.00	1.00	1		1
HOLY SPIRIT	0.00	0.00			
IMMACULATE CONCEPTION	16.00	4.00	1		1
IMMACULATE HEART OF MARY	0.00	0.00			
JAMES CARDINAL McGUIGAN	46.00	8.00		1	3
JAMES CULNAN	0.00	0.00			
JEAN VANIER	33.00	12.00		1	2
JOSYF CARDINAL SLIPYJ	0.00	0.00			
LORETTO ABBEY	34.00	6.00		1	1
LORETTO COLLEGE	16.00	4.00		1	1
MADONNA H.S.	43.00	7.00		1	3

List of Video Surveillance Systems at All Schools			Sept. 2015		
SCHOOL NAME	# CCTV Cameras	# of Outside Cameras	Elementary	Secondary	# of Intellex
MARSHAL McLUHAN	63.00	10.00		1	4
MARY WARD	50.00	6.00		1	4
MARY WARD LINK (former St J Fis	0.00	0.00			
MICHAEL POWER/ST.JOSEPH	56.00	6.00		1	4
MOTHER CABRINI	1.00	1.00	1		1
MSGR FRASER COLLEGE TOR	20.00	5.00		1	2
MSGR FRASER (former OLGC)	21.00	6.00		1	2
MSGR FRASER FORMER REGINA	16.00	5.00		1	1
EAST CURR SUPT UNIT (former S	0.00	0.00			
MSGR. FRASER (former St. Peter)	19.00	7.00		1	2
MSGR. JOHN CORRIGAN	0.00	0.00			
MSGR. PERCY JOHNSON	36.00	5.00		1	3
NATIVITY OF OUR LORD	0.00	0.00			
NEIL McNEIL	37.00	9.00		1	3
NORTH CURR CTRE (OLMC -	0.00	0.00			
NOTRE DAME HIGH SCHOOL	42.00	5.00		1	3
OLO ASSUMPTION	1.00	1.00	1		1
OUR LADY OF FATIMA	1.00	1.00	1		1
OUR LADY OF GRACE	0.00	0.00			
OUR LADY OF GUADALUPE	1.00	1.00	1		1
OUR LADY OF LOURDES	5.00	5.00	1		1
OUR LADY OF PEACE	4.00	4.00	1		1
OUR LADY OF PERPETUAL HELP	0.00	0.00			
OUR LADY OF SORROWS	4.00	4.00	1		1
OUR LADY OF VICTORY	4.00	4.00	1		1
OUR LADY OF WISDOM	1.00	1.00			
POPE PAUL	0.00	0.00			
PRECIOUS BLOOD	0.00	0.00			
PRINCE OF PEACE	0.00	0.00			
REGINA MUNDI	1.00	1.00	1		1
SACRED HEART	1.00	1.00	1		1
SANTA MARIA	0.00	0.00			
SENATOR O'CONNOR	32.00	8.00		1	2
SENHOR SANTO CRISTO	0.00	0.00			
ST AGATHA	1.00	1.00	1		1
ST AGNES	1.00	1.00	1		1
ST AIDAN	0.00	0.00			
ST AMBROSE	0.00	0.00			
ST ALBERT	0.00	0.00			
ST. ANDRE	0.00	0.00			
ST. ALPHONSUS	2.00	2.00	1		1
ST. ANDREW	5.00	5.00	1		1
ST. ANGELA	1.00	1.00	1		1
ST ANSELM	1.00	1.00	1		1
ST ANTOINE DANIEL	0.00	0.00			

List of Video Surveillance Systems at All Schools					Sept. 2015
SCHOOL NAME	# CCTV Cameras	# of Outside Cameras	Elementary	Secondary	# of Intellex
ST. ANTHONY	4.00	4.00			
ST. AUGUSTINE	0.00	0.00			
ST BARBARA	0.00	0.00			
ST BARNABAS	0.00	0.00			
ST BARTHOLOMEW	1.00	1.00	1		1
ST BEDE	0.00	0.00			
ST BERNADETTE (CLOSEAD SITE)	0.00	0.00			
ST. BENEDICT	0.00	0.00			
ST. BERNARD	0.00	0.00			
ST. BASIL	48.00	6.00		1	4
ST BONAVENTURE	1.00	1.00	1		1
ST BONIFACE	0.00	0.00			
ST BRENDAN	0.00	0.00			
ST BRIGID	0.00	0.00			
ST. BRUNO	2.00	2.00			
ST CATHERINE	0.00	0.00			
ST.CECILIA	21.00	4.00	1		2
ST. CLEMENT	0.00	0.00			
ST COLUMBA	0.00	0.00			
ST. CHARLES	0.00	0.00			
ST. CHARLES GARNIER	0.00	0.00			
ST. CLARE	0.00	0.00			
ST. COLUMBA	0.00	0.00			
ST. CONRAD	0.00	0.00			
ST CYRIL	0.00	0.00			
ST. DEMETRIUS	0.00	0.00			
ST DENIS	0.00	0.00			
ST DOMINIC SAVIO	0.00	0.00			
ST. DOROTHY	4.00	4.00			
ST DUNSTAN	1.00	1.00	1		1
ST EDMUND CAMPION	0.00	0.00			
ST. ELIZABETH	1.00	1.00	1		1
ST ELIZABETH SETON	0.00	0.00			
ST. EUGENE	1.00	1.00	1		1
ST. FIDELIS	0.00	0.00			
ST FLORENCE	0.00	0.00			
ST. FRANCIS DE SALES	0.00	0.00			
ST FRANCIS OF ASSISI	4.00	4.00	1		1
ST. FRANCIS XAVIER	0.00	0.00			
ST GABRIEL	0.00	0.00			
ST GABRIEL LALEMANT	1.00	1.00	1		1
ST GERALD	1.00	1.00	1		1
ST.GERARD MAJELLA	0.00	0.00			
ST. GREGORY	0.00	0.00			
ST. HELEN	3.00	3.00	1		1

List of Video Surveillance Systems at All Schools					Sept. 2015
SCHOOL NAME	# CCTV Cameras	# of Outside Cameras	Elementary	Secondary	# of Intellex
ST HENRY	0.00	0.00			
ST IGNATIUS OF LOYOLA	0.00	0.00			
ST ISAAC JOGUES	0.00	0.00			
ST JAMES	0.00	0.00			
ST. JANE FRANCES	4.00	4.00	1		1
ST JEAN DE BREBEUF	0.00	0.00			
ST. JEROME	1.00	1.00	1		1
ST JOACHIM	0.00	0.00			
ST.JOHN EVANGELIST relocated	16.00	4.00			
St.JOSAPHAT @ leased site for Fre	20.00	4.00	1		1
ST.JOHN BOSCO	1.00	1.00	1		1
ST JOHN (TORONTO)	7.00	3.00	1		1
ST. JOHN VIANNEY	1.00	1.00	1		1
ST JOSEPH (LESLIE)	0.00	0.00			
ST JOSEPH COLLEGE	48.00	4.00		1	3
ST JOSEPH MORROW PARK	48.00	2.00		1	3
ST. JUDE	1.00	1.00	1		1
ST KATERI TEKAKWITHA	1.00	1.00	1		1
ST KEVIN	0.00	0.00			
ST LAWRENCE	0.00	0.00			
ST. LEO	0.00	0.00			
ST LEONARD (N/A)	0.00	0.00			
ST. LUIGI	0.00	0.00			
ST. LUKE	0.00	0.00			
ST. LOUIS	1.00	1.00	1		1
ST MALACHY	1.00	1.00	1		1
ST MARGARET	0.00	0.00			
ST. MARCELLUS	0.00	0.00			
ST MARGUERITE BOURGEOYS	0.00	0.00			
ST MARIA GORETTI	2.00	2.00	1		1
ST MARTIN (APPLE Program)	19.00	8.00		1	2
ST MARTIN DE PORRES	0.00	0.00			
ST. MARGARET	0.00	0.00			
ST. MARK	0.00	0.00			
ST. MARTHA	0.00	0.00			
ST. MARY OF THE ANGELS	0.00	0.00			
ST. MARY ELEMENTARY	0.00	0.00			
ST.MARY's SECONDARY	43.00	6.00		1	3
ST.MAURICE	0.00	0.00			
ST MATTHIAS	1.00	1.00	1		1
ST.MATTHEW	0.00	0.00			
ST MICHAEL (25 LINDEN)	0.00	0.00	1		1
ST MICHAEL CHOIR SR	59.00	8.00		1	3
ST MONICA	0.00	0.00			
ST. NICHOLAS	1.00	1.00	1		1

List of Video Surveillance Systems at All Schools					Sept. 2015	
SCHOOL NAME	# CCTV Cameras	# of Outside Cameras	Elementary	Secondary	# of Intellex	
ST.NICHOLAS OF BARI	1.00	1.00	1		1	
ST.NORBERT	1.00	1.00	1		1	
ST PASCHAL BAYLON	1.00	1.00	1		1	
ST PATRICK S S	62.00	13.00		1	4	
ST PAUL	0.00	0.00				
ST.PHILIP NERI (CLOSED SITE)	0.00	0.00				
ST.PIUS X	1.00	1.00	1		1	
ST.RAPHAEL	1.00	1.00	1		1	
ST.RAYMOND	0.00	0.00				
ST RENE GOUPIL	0.00	0.00				
ST.RITA	0.00	0.00				
ST.ROBERT	1.00	1.00	1		1	
ST.ROCH	0.00	0.00				
ST RICHARD	0.00	0.00				
ST ROSE OF LIMA	0.00	0.00				
ST.SEBASTIAN (monitored by TDS)	0.00	0.00				
ST.SIMON	0.00	0.00				
ST.STEPHEN	0.00	0.00				
ST SYLVEST ER	0.00	0.00				
ST.TERESA	0.00	0.00				
ST THERESA SHRINE	1.00	1.00	1		1	
ST.THOMAS AQUINAS	0.00	0.00				
ST THOMAS MORE	0.00	0.00				
ST TIMOTHY	0.00	0.00				
ST URSULA	0.00	0.00				
ST VICTOR	1.00	1.00	1		1	
ST.VERONICA (closed site)	0.00	0.00				
ST. VINCENT DE PAUL	0.00	0.00				
ST.WILFRID	1.00	1.00	1		1	
STELLA MARIS (monitored by TDS)	0.00	0.00				
STS.COSMAS & DAMIAN	0.00	0.00				
THE DIVINE INFANT	0.00	0.00				
TRANSFIGURATION	1.00	1.00	1		1	
VEN. JOHN MERLINI (monitored by	0.00	0.00				
FACILITIES EAST (WAREHOUSE)	8.00	2.00				
FACILITIES WEST	8.00	2.00			1	
Total # of Schools:			58	39	166	



REPORT TO

**CORPORATE AFFAIRS, STRATEGIC
PLANNING AND PROPERTY
COMMITTEE**

**COST/BENEFITS OF FULL AIR CONDITIONING VERSUS
DISPLACEMENT AIR/HEATING IN NEW ELEMENTARY
SCHOOLS**

*"I can do all this through Him who gives me strength."
Philippians 4:13 (NIV)*

Created, Draft	First Tabling	Review
September 29, 2015	October 15, 2015	
V. Barton, Senior Coordinator, Capital Development K. Elgharbawy, Senior Coordinator, Maintenance and Energy Management M. Iafrate, Senior Coordinator, Renewal P. de Cock, Comptroller, Business Services Superintendents of Learning, Student Achievement and Well-Being M. Puccetti, Superintendent of Facilities 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 rooted in the love of Christ. We educate students to grow in grace and knowledge and to lead lives of faith, hope and charity.



G. Poole
Associate Director of Academic Affairs

A. Sangiorgio
Associate Director of Planning and Facilities

Angela Gauthier
Director of Education

A. EXECUTIVE SUMMARY

Displacement ventilation (DV) and radiant in-floor heating is recommended in the 2015 Elementary School Design Standards report, as an energy efficient alternative for new elementary schools when compared to the more traditional mechanical systems with perimeter heating, (wall fins located along window walls) with air conditioned central plant systems.

In addition to energy savings, DV provides 100% tempered (or treated) fresh air into classrooms, throughout the school year, both in heating and cooling seasons. Cool air is supplied at a low volume from wall grilles located close to the floor level, and as the air travels across the room, it begins to warm, picking up heat from room occupants, equipment and the heated floor. As the air warms, it rises taking with it the stale, contaminated air, which is exhausted at the ceiling level. The fresh supply air is de-humidified, hence contributing to occupant comfort levels during warmer weather.

The 2015 Elementary Design Standards further includes provision for several air conditioned cooling centres within the building; the learning commons, the multi-purpose room, as well as the administration area. Gymnasiums are equipped with air handling units, which provide heating and ventilation, sufficient for everyday school activities.

Various factors should be considered as part of a cost/benefit analysis of DV with radiant in-floor heating verses full AC, with perimeter heat and traditional air handling units with ceiling ducts – capital costs as well as the size and optimum location of the mechanical equipment (outdoors or contained within the building), operating and maintenance requirements, service life, occupant comfort, indoor air quality and energy efficiency.

B. PURPOSE

1. In response to Trustee motion, that approval of the 2015 Elementary School Design Standards, presented at the April 2015 Corporate Affairs, Strategic Planning and Property Committee meeting, *be deferred pending further information regarding cost-benefit analysis of installing a full air-conditioned system verses the recommended radiant heat floor/displacement air system in new elementary schools.*

2. Approval of the 2015 Elementary School Design Standards, as attached in Appendix A.

C. BACKGROUND

1. The Ontario Building Code requires mechanical ventilation in new buildings, additions and major retrofits, regardless of whether there are operable windows in the rooms. Mechanical ventilation is required during the colder weather as an alternative to leaving windows open. On average 75% to 80% of the school days fall within cold weather days, including parts of October and May.
2. Traditionally, in schools equipped with central plant AC systems, air is supplied to the spaces within the building from ceiling diffusers at a relatively high velocity. This is done to ensure that the tempered supply air thoroughly mixes with the warmer room air to achieve a comfortable space. Room contaminants are generally diluted as air is supplied – mixed – returned back to the air handler. In cooling mode, the supply air temperature leaving the diffusers is approximately 13°C. Appendix B provides a photo illustrating the difference between the DV and the traditional mixed air supply.
3. Displacement ventilation provides tempered or treated cool air, which enters the classroom from diffusers or grilles, placed close to the floor. This air is introduced at a low volume (or velocity) and it is treated to remove humidity. The cool air then begins to warm, acquiring heat from room occupants, equipment and the radiant in-floor heating. As it warms, it rises taking with it the contaminants in the air. This air is exhausted from the room. “This vertical airflow pattern near each occupant, often referred to as a thermal plume, makes it less likely for germs to spread”.¹ In contrast, typical air distribution systems supply air conditioned air from ceiling outlets at relatively high velocity. This air distribution system causes contaminated room air to mix with supply air as illustrated in Appendix B-1 and B-2.
4. The majority of the Board’s elementary schools have limited mechanical ventilation and no air conditioning. The majority of Secondary Schools have full or partial AC systems. The Board has 13 elementary schools with full air conditioning systems as noted in the Table below;

¹ Energy Design Resources, Design Brief, Displacement Ventilation, <http://energydesignresources.com/resources/publications/design-briefs/design-brief-displacement-ventilation.aspx>

	Elementary School with Perimeter Heat & Full AC	Bldg Age/Years
1	Immaculate Conception	11
2	Our Lady of Fatima	10
3	Our Lady of Lourdes	10
4	Our Lady of Sorrows, (with addition in 2015)	13
5	Our Lady of Victory	11
6	St Anthony	10
7	St Jane Frances (Additions 1967 & 2004)	51
8	St Timothy	10
9	St Robert	12
10	St Helen	22
11	St Luke	38
12	All Saints (with addition in 2014)	12
13	St Nicholas of Bari (with addition in 2003)	39

5. The six new elementary schools (St Nicholas, St Conrad, St Ambrose, St Edward, Blessed Pier Giorgio Frassati and St Andre) recently completed under the Board's Phase 2 Capital Program have the DV with radiant in-floor heating throughout the building. Optimal indoor air temperature can be achieved with Displacement Ventilation for the majority of the shoulder season. Data from Environment Canada for the past three years indicates that there are on average 20 to 35 "hot degree" days per year in Toronto during the summer months, where the exterior air temperature is at or above 30°C. The table below provides comparative temperature readings for three similarly sized of elementary schools, taken in an occupied classroom on a hot degree day:

	The Divine Infant	St Conrad	OL of Sorrows
A. SCHOOL			
Heating System	Radiator Heating	In-floor Heating	Radiator Heating
Air Distributor System	Mixed Flow ventilation	Displacement Ventilation	Mixed Flow Ventilation
Air Condition System	No AC	Limited AC	Full AC
Occupant Comfort	Low	Medium- High	Medium- High
Air Quality	Low	High	Medium
Average Space temperature °C	31	26	24
Electricity Consumption kWh/ft²/year	3.55	6.36	9.14

6. The Board's five year Energy Management Plan 2013 – 2018, approved at the May 2014 Corporate Affairs, Strategic Planning and Property Committee, highlights the Board's overall energy costs and recommends measures to help control utility consumption rates, including adoption of minimum set point temperature of 25° C. for schools with full Air Conditioning. As noted in Appendix C, there is a significant utility and operating cost benefit to the DV and radiant in-floor heating, as compared to central plant AC system, with perimeter heating.
7. A central plant system, with large capacity chiller and cooling tower, is a more effective HVAC model for secondary schools for several reasons noted below;
 - a. most secondary school students move from room to room through the course of the day, hence providing 100% fresh air within the room, is not as critical as with elementary schools, where students spend the majority of their day in one classroom;
 - b. the cost of installing a central plant and a chiller can be absorbed within the larger construction budget provided for secondary schools;
 - c. a central plant with chiller is the more effective model to provide air handling, ventilation and cooling rather than the DV system, which relies on smaller cooling units serving a variety of areas;
 - d. as DV relies on stratification (cooler, low volume air rises as it becomes heated), the introduction of supplementary cooling will impact the stratification effectiveness of DV;
8. The operational and maintenance costs for the full AC system are greater than for the DV system. Full AC systems need to be verified and serviced prior to start-up in the spring, and in many cases, as elementary schools are

not occupied in the summer – the systems are turned off at the end of school and then may need to be re-started/serviced for return to school in the fall. AC can be provided for specific areas such as the multi-program room, learning commons, admin area and child care spaces through the use of smaller Variable Refrigerant Flow AC system (VRF). These systems require less maintenance and start-up/shut-down activity than the traditional central AC chiller with cooling tower.

9. DV is able to provide *occupied* room temperatures that range between 25° C. to 26° C. on the “Hot” degree days, which as noted previously may only occur a maximum of 20 - 35 days throughout the school year.

B. EVIDENCE/RESEARCH/ANALYSIS

1. As there are a variety of factors that impact the overall capital costs, including size and location of the equipment, corresponding building area, life cycle (anticipated replacement cost), utility costs, and anticipated maintenance and servicing of the systems. The Table below provides a comparison of the capital and operating costs, of the two systems: This information is based on the recent design for The Holy Trinity, which is a Capital Phase 3 project and OLO Sorrows (for utility/maintenance and operating comparison).

	OPTION 1	OPTION 2
Type of Mechanical Systems/Costs based on the Holy Trinity	Displacement Ventilation, with radiant heat flooring in classrooms & resource rooms + three Cooling Centers with AC (Learning Commons, Multi-purpose Room & Admin Area)	Wall-fin Perimeter Heating, with Central Plant for Ventilation and Air Conditioning, with two gas-fired mid-efficiency boilers
Building Area Sq Metres	5,046	4,973
Approx. Cost of Mech System	\$1,534,000	\$1,652,000
HVAC Cost per Sq Metre	\$ 304	\$ 332
Approx Cost of Building	\$ 10,106,000	\$ 10,109,000
Percentage of HVAC Cost to Bldg Costs	15.18%	16.34%
Estimated Service Life/YR	25	15/20
Utility Costs/YR	\$57,101	\$ 78,641
Greenhouse Gas Emission	40,288 kg Equivalent to GHG produced by 150 cars	78,641 kg Equivalent to GHG produced by 291 Cars

Indoor Air Quality	High	Medium to High for 30° degree days
Noise Level	Low	Medium
Comfort Level	Medium to High	Medium to High

The cost difference between the two systems is primarily in the annual energy consumption and annual operation costs. Over a period of 20 years, the anticipated cost savings between the two systems, based on current utility rates and current usage, (no increase) would result in \$430,000 in energy saving for the DV/Radiant In-floor Heating verses traditional

perimeter heat/AC, and would require the life cycle replacement of the air conditioning equipment (roof top Air handling Unit), within that time frame.

2. There is no legislation that requires elementary schools to be air-conditioned. Ventilation requirements are prescribed in the Ontario Building Code, as well as through ASHRAE (American Society of Heating, Refrigerating, and Air-Conditioning Engineers) which is an organization devoted to the advancement of indoor-environment-control technology in the heating, ventilation, and air conditioning (HVAC) industry. In addition, the City of Toronto requires all new buildings to meet certain energy efficiency targets – including levels for Greenhouse Gas Emissions.

The Ministry of Education (EDU) has space and cost benchmarks for new elementary school construction – based on \$178.52/sq.ft. (\$1,921.46 sq. m.). Boards may no longer apply Proceeds of Disposition to cover costs above the benchmark, although the EDU has provided additional Capital Priority funding for unique site costs.

The EDU has also changed the allocation of Grants for Student Needs (GSN), related to Efficient Use of School Space, and reductions to the Top-up Calculations, which will impact the Board's School Operations funding. While the Ministry has indicated there will be additional funding for Utilities, increases in utility rates are anticipated from Toronto Hydro, which may offset any additional funding received by the Ministry. It is therefore critical the Board plan energy efficient and sustainable buildings as a priority.

3. The Toronto District School Board has also adopted Displacement Ventilation as their standard for their new elementary schools – however, they have maintained perimeter heating rather than install radiant in-floor heating. The TDSB only has two schools currently with DV and they are in the process of studying whether perimeter heat is effective, given that most mechanical engineering studies recommend radiant in-floor heating with DV systems to allow the cooler air to be heated more evenly as it traverses the heated floor and rises up, taking contaminants with it. Perimeter heat is not ideal as the heat source is located in a smaller, more concentrated area at the window wall of the room.

Displacement Ventilation is used in Europe and in the USA. California adopted DV for new schools, in recognition of the energy savings and the benefits of providing 100% fresh air to classrooms.

4. The concept of DV with radiant heat flooring was introduced to the Board in 2010, prior to the launch of the Phase 2 Capital Program. At the time, the Board made changes to the standard for elementary schools to include a fully air conditioned library (now Learning Commons) as well as inclusion of a Multi-Purpose Room (also to be full air conditioned).

For the Capital Phase 3 projects, information regarding DV and radiant in-floor heating was presented to the school design sub-committee. The building sub-committee, including members of the parent council for both St Simon and The Holy Trinity supported the DV system primarily because of the benefits of having 100% fresh air in classrooms throughout the school year, as well as radiant in-floor heating.

5. Building performance data, including energy consumption is routinely collected for all schools. Information from the recently completed Capital Phase 2 schools, (with the exception of St Andre which was only occupied in February) brought about some modifications to mechanical system design and specifications, as recommended in the 2015 Elementary School Design Standards – namely, radiant in-floor heating is only required in the classrooms, learning commons and multi-program room rather than throughout the building. Corridors, admin areas, washrooms and the gymnasium are to be served from conventional heating radiators. This has reduced the construction cost of new schools, without altering energy consumption.

C. VISION

VISION	PRINCIPLES	GOALS
Stewardship of Resources and improving student/staff learning environments	Design and Building caring environments that meet the needs of students , staff and the community, and are within the Ministry-mandated Capital Priority goals and funding requirements;	Management of the Board’s Capital funding, meeting curriculum objectives and program needs through responsive design. Managing Utility and Operating costs ;

D. METRICS AND ACCOUNTABILITY

1. Daily temperature and humidity level data is available for the majority of schools equipped with Building Automation Systems (BAS). This data enables staff to monitor temperature settings and to undertake energy-saving measures such as zone-control, night-cooling and other diagnostics. The Board’s 2013 -2018 Energy Management Plan provides annual energy consumption rates for all TCDSB buildings, and targets annual energy cost-saving measures while tracking utility costs.
2. A detailed project budget for each new capital project will be provided to the Board prior to tendering the project. The budget will include the estimated cost for the mechanical system. The EDU cost benchmark governs the cost for all new schools. Detailed cost estimates are required to be submitted to the EDU in order to receive Approval to Proceed.
3. The Board’s work notification and work order system from regular maintenance and repairs provides additional data regarding the operating costs associated with mechanical systems.

E. IMPLEMENTATION, STRATEGIC COMMUNICATIONS AND STAKEHOLDER ENGAGEMENT PLAN

1. Provide information regarding the various systems to local school community as part of the Design Development process, including data from Capital Phase 2 Schools and provide school communities with an opportunity to visit recently completed elementary schools. School communities shall be informed of the EDU's cost benchmarks, and the process for whether there are constraints that impact the design, including the mechanical system design, for the project.
2. Provide a copy of the 2015 Elementary School Design Standards on the Board's web site.
3. Provide each school with an annual Energy Report card, detailing the amount of energy consumed (Hydro/Natural Gas and Water) per school and providing information related to energy saving measures that can be undertaken by the school, as well as planned/approved Renewal work that is energy related.

F. STAFF RECOMMENDATION

That the 2015 Elementary School Design Standards as detailed in Appendix A be approved.

ACTION AFTER
CORPORATE AFFAIRS, STRATEGIC PLANNING
AND PROPERTY
APRIL 14, 2015

NAME OF REPORT **Report regarding Elementary School Design Standards Updates
2015**

COMMITTEE **Corporate Affairs, Strategic Planning and Property**

DATE OF MEETING **April 14, 2015**

STAFF RECOMMENDATION TO BOARD

**That the 2015 Elementary School Design Standards as outlined in this report be adopted
for new school design**

BOARD ACTION/DIRECTION

That the following matter be deferred pending further information from staff:

DELEGATED TO **M. Puccetti – further report on cost/benefits of full A/C versus
Displacement air/heating June Corporate**



REPORT TO

CORPORATE AFFAIRS, STRATEGIC PLANNING AND PROPERTY COMMITTEE

ELEMENTARY SCHOOL DESIGN STANDARDS UPDATES 2015

Created, Draft

March 30, 2015

First Tabling

April 14, 2015

Review

L. Di Marco, Superintendent of 21st Century Learning & ICT
 F. Piddisi, Superintendent of Special Education
 C. Fernandes Superintendent of Early Learning Strategies
 D. Koenig Superintendent of Curriculum and Accountability
 M. Puccetti, Superintendent of Facilities Services

RECOMMENDATION REPORT

Vision:

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Mission:

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

G. Poole

Associate Director of Academic Affairs

A. Sangiorgio

Associate Director of Planning and Facilities

Angela Gauthier

Director of Education



A. EXECUTIVE SUMMARY

This report recommends updates to the current Elementary School Standards to incorporate 21st Century Learning principles, standardized gymnasiums sizes based on pupil places, Full Day Kindergarten space requirements, revisions to the Heating, Ventilation and Cooling (HVAC) system as well as other updates subject to Ministry of Education approval of funding to support these initiatives.

The report further recommends continuing the inclusion of a multi-program room, to support a range of program needs – including instrumental and vocal music, art, science, second language instruction and the Student Nutrition program.

B. PURPOSE

1. Provide design standards for new elementary schools in support of current program, legislative and building performance requirements.

C. BACKGROUND

1. In conjunction with the Board's Capital 1998-2008 Capital Program, school design standards were created to identify and codify key program and space requirements for both elementary and secondary schools. On September 2006, the Board approved the "Elementary School Design Standards for the Toronto Catholic District School Board". These standards did not specify at the time, gymnasium sizes or the space requirements for the yet to be established Full Day Kindergarten program.
2. On April 28, 2010, the Ministry Supervisor approved revisions to the Elementary School Design Standard to address the need for a multi-program/multi-purpose space in lieu of loaded music, art and science rooms, as well as a revision to the HVAC to incorporate radiant heat flooring and displacement (tempered) air.
3. In June 2010, the Ministry of Education (MoE) released a report from the Expert Panel on Capital Standards entitled "Building Our Schools, Building Our Future". This report was the precursor to the MoE's Space Plan Template, which dictates the acceptable area benchmarks for new elementary and secondary schools and major additions based on the approved number of pupil places.

D. EVIDENCE/RESEARCH/ANALYSIS

1. The revised Elementary School Design Standards take into consideration recent program, legislative and policy changes, as noted below:
 - a) 21st Century Learning principles;
 - b) Community use of schools;
 - c) Environmental stewardship and energy efficiency;
 - d) Classrooms that incorporate Reggio Emilia and the Third Teacher inspired principles to provide natural light and ventilation, conducive to learning;
 - e) Larger gymnasium to support physical activity, school and community gatherings;
 - f) Physical accessibility standards to address needs of both adults and children;
 - g) Welcome and safe school environments;
 - h) Incorporation of architectural elements or features that highlight our Catholic faith;
 - i) Incorporation of a childcare facility as part of the new school design, where there is sufficient space on the site, and where funding is made available from the Ministry of Education and the City of Toronto.

2. Incorporating 21st Century Learning, Reggio Emilia and the Third Teacher inspired principles into elementary school design standards has resulted in the following changes:
 - a) Wireless connectivity availability throughout the school (less emphasis on fixed desktop computers to provide more self/student directed in-classroom opportunities with mobile devices such as laptops and tablets, (also provides opportunities for students and staff to utilize 'Bring Your Own Device' capabilities);
 - b) Inter-connection between classrooms, through use of sliding wall panels to expand classroom space;
 - c) Provide breakout spaces in corridors, classrooms and the Learning Commons for alternative group learning activities;

- d) The Learning Commons replaces the traditional library and cross-curricular computer lab by eliminating fixed computer stations with an emphasis on flexible seating to encourage group work and self/student directed learning, with the use of mobile devices, and other technologies;
 - e) Multi-program room provides a flexible space for speciality workshops.
3. The gymnasium, multi-purpose room, kitchenette (server) and barrier-free washrooms are grouped together on the ground floor plan to facilitate community access, and address security concerns, by restricting access to the remainder of the building including the upper floors. As well, custodial staff are able to clean the classrooms, library and other spaces while there are permit holders in the gymnasium and/or multi-purpose room. More than one group can permit the building at the same time with the choice of the gymnasium or the multi-purpose room.

The principals of the recently completed Phase 2 schools were surveyed regarding the benefits/uses of the multi-purpose room. They all indicated that the multi-purpose room is used for a variety of functions including music and art classes, for the breakfast and lunch programs, as well as an indoor play area for primary students, on inclement weather days.

4. New buildings are required to meet rigorous energy saving criteria. Consideration is given to the orientation of the building on site, as well as the composition of the building envelope including window design. Subject to capital funding and budgets, the key energy efficiency features for new schools include:
- a) Daylighting and occupancy controls for lighting;
 - b) LED lighting for high bay spaces and exterior lighting;
 - c) Natural lighting and operable windows are included in the majority of occupied spaces, including the gymnasium, library, offices and the multi-purpose room. Where possible, natural light is also provided in corridors and stairwells;
 - d) Micromesh window blinds and/or exterior sun-shading features to limit solar heat gain for west south facing windows;

- e) Building Automation System (BAS) that allows building temperatures to be pre-set to a schedule, and zoned within the building;
- f) Where budget permits (currently under review against the Ministry's cost benchmark), new schools will feature a Displacement (tempered) Air system, which brings 100% fresh air into every room, at a low volume rate – more comfortable for occupants than the traditional higher volume forced air ventilation system which uses a mixture of fresh and recirculated air;
- g) Where budget permits (currently under review against the Ministry's cost benchmark), Radiant In-floor Heat for classroom and office spaces, is considered to be a more even form of heat distribution and more energy efficient than perimeter terminal or radiator units.
- h) Water flow restrictors in all washroom fixtures (sinks and toilets) and if budget and site conditions permit, use of grey water from storm water reservoir to irrigate the fields.

As detailed in **Appendix A**, based on readings taken on hot degree days in the recently completed Phase 2 schools, the average classroom air temperature and humidity levels is lower than in non-air conditioned schools, particularly for the upper floor rooms. Temperature data from Environment Canada indicates that on average, there are between 20 to 35 high temperature *school days* per year (mechanical cooling is typically required if the outside air temperature is greater than 23 Celcius and the relative humidity is greater than 55 %) as noted in Appendix B. Currently, the displacement air/radiant in-floor heating model is under review to meet the Ministry cost benchmark requirements which does not take into account the long term operational benefits, such as life cycle costing or energy efficiency.

5. Symbols of Catholic faith are featured both in the exterior and interior design of the building – for example, by incorporating a cross into a feature window or by highlighting the cross on the main building façade. Where budget and space permit, there may also be an opportunity to include a gathering space for mass adjacent to other spaces.
6. Elementary schools, unlike secondary schools, do not offer separate religion classes. Religious teaching is typically incorporated into the regular classroom curriculum and students frequently attend mass or catechism classes at the

local parish. As such, MoE's Space Plan Template does not make provision for a chapel in elementary schools.

7. Curriculum and policies changes that have impacted elementary school design include the following:

- a) Required 30 minutes per day of physical fitness – Ministry's Space Plan Template standardizes gymnasium areas per pupil places. The recommended area for new elementary school gymnasiums is in the range of 425.6 M sq. (4591 sq. ft.).
- b) Increased environmental and outdoor learning requirements – integration of naturalized areas within the school yard;
- a) Introduction of Full Day Kindergarten program and subsequent increase of students per classroom as of March 2012 – Ministry standard for larger kindergarten rooms is 111 sq. metres (1195 sq. ft.), to include space for cubbies, toilets and sinks, plus storage and a dedicated outdoor FDK play areas; The 2006 elementary school design standards also included creation of a separate kindergarten class zone within the ground floor plan that included the following features:
 - Rooms grouped together at one end of the building, with direct access to a dedicated exterior play area that also can be used by parents for direct drop-off/pick-up access.
 - Where site conditions permit, drop-off/pick-up parking is provided near the kindergarten zone;
 - Washrooms and cubby areas are open to and shared between two kindergarten classrooms, as a means of providing additional security/oversight.
- c) Adoption of a Safe Welcome Program, January 2013, encouraging elementary schools to lock the front door - necessitates front door entry systems (video phones, as well as direct view of the front door from the front office, with remote door release controls) and card readers at doors closest to parking, childcare and/or portables.

8. New elementary schools and major additions will be required to meet the recent (2015) Accessibility for Ontarians with Disability Act (AODA) Amendments to the 2012 Ontario Building Code (OBC), including :

- a) Fire and Smoke Alarm systems will have a visual signalling component;
 - b) Minimum door width to be 860 mm and all door operators to be “closed fist” (lever) type;
 - c) Automatic door operators for minimum two exit (and corresponding vestibule) doors;
 - d) Larger barrier-free washrooms and stalls (to accommodate 2400 mm turning radius);
9. As noted in the recently Board-approved report regarding Accessibility, the OBC accessibility standards are typically designed to meet the needs of adults, not children. A barrier-free washroom in a new school, while meeting code requirements, may not be appropriately-sized for a child. As such, consideration may be given to the placement of a child-appropriate barrier-free washroom on *each* floor of the new building.
10. The City of Toronto Green Standards have resulted in changes to both the site and the new building design, as summarized below:
- a) Storm water retention system on the school site, to meet the capacity needs of the 100 year storm, including requirement of a green roof as part of the system;
 - b) Bird Friendly Glazing;
 - c) Increased building energy performance standards;
 - d) Bike racks;
 - e) Garbage bin enclosures or garbage/recycling storage within the building;
 - f) Increased tree planting (or cash in lieu) and a percentage of permeable paving/surfaces.

11. Elementary School Design Standards for other district school boards:

School boards must complete a Space Plan Template (SPT), as the first step in the MoE’s approval process to build a new school or major addition. The SPT is intended to standardize school size and design by setting out maximum building area and number of classrooms, based on the number of pupil places. Boards are required to stay within the

total area benchmark for a new school – however, some spaces/rooms can be increased if there is a corresponding decrease of area elsewhere in the floor plan.

- a) In addition to area benchmark, all school boards are required to meet the MoE's cost benchmark, based on square metres (square foot) area. The Ministry has provided a 2% geographical cost adjustment factor for some parts of the province including Toronto – however, based on construction of the Phase 1 and Phase 2 Capital projects, adjustment factor is inadequate to address the cost the challenges of building in Toronto, such as:
- i. Higher construction costs resulting from mobilization, labour costs, and haulage rates to/from dense urban sites;
 - ii. Smaller and more constrained sites, often with limited street frontage, which require three-storey schools (Ministry cost benchmark for elementary schools is based on a two-storey model);
 - iii. City of Toronto Green Standards, in particular for storm water management and the Green Roof Bylaw, as well as naturalizing the site and tree planting;
 - iv. Cost escalation or inflation arising from the length of time for municipal approvals from the City – in some cases up to 24 months;
 - v. Additional requirements imposed by the City, through Site Plan Approval, in order to address infrastructure improvements. For example, the City often requires the private owners/developers to cover the cost of new street lighting, traffic signal lights or sidewalks, beyond the property area.
- b) In order to reduce construction costs to meet benchmark, school boards may need to consider a range of options:
- i. reduce the size of the building by making corridors, storage, administration and even program (gymnasium/classrooms) spaces smaller;
 - ii. eliminate design features or *amenities* such as the stage, sinks in the classroom, interior mezzanine/glazing

- iii. specifying less costly materials such as stucco/metal cladding instead of brick exteriors, vinyl tile throughout instead of porcelain tile in corridors and on stairs;
- iv. specifying less costly HVAC, electrical and data systems;

Some of these options may impact building performance (less energy efficient) or be more costly to maintain/operate over the long term. Reducing the building size on the other hand, not only throws into question the Ministry cost benchmark which is based on building area in relation to square foot costs.

12. In June 2014, the Board approved use of Proceeds of Disposition (POD) to help fund capital projects, including the construction of expanded additions, larger gymnasiums and a replacement school for St Margaret. The MoE has challenged the use of POD to cover capital costs over benchmark as well as for larger gymnasiums at the expanded additions. This change of attitude regarding POD is the subject of a separate report to Board.

E. VISION

VISION	PRINCIPLES	GOALS
<p>Provide elementary school design standards that foster an environment of achievement and well-being for students and staff, and strengthen public confidence.</p> <p>Provide buildings that demonstrate a Catholic presence – through interior and exterior expressions of faith, and through role of building within the community and parish.</p>	<p>Equitable and consistent design standards for all new schools and major additions;</p> <p>Incorporate latest technology, and program-related features to support 21st C Learning;</p> <p>Responsible design, to demonstrate financial accountability with capital funding and Board resources.</p>	<p>Promote healthy, and positive classroom environments ;</p> <p>Security and accessibility</p> <p>important design considerations, as well addressing energy efficiency and building operation and maintenance;</p> <p>Promotion of physical activity, through gymnasium and school yard design.</p>

VISION	PRINCIPLES	GOALS
		Incorporate a symbol of Catholic faith and community within the main entrance hallway (vestibule) and on the façade of every new school or major addition.

F. METRICS AND ACCOUNTABILITY

1. All boards must submit the pre-construction estimate prepared by an external cost consultant to the MoE to request Approval to Proceed, prior to issuing the project for tender. Cost estimates are undertaken during design development as well as upon completion of the Site Plan Approval process. Project budgets include construction costs as well as municipal approval / consultant fees/ site development studies/ equipment/ furniture and moving costs. Utility costs are tracked and compared to other similar-sized buildings of similar age to assess overall building performance upon completion of construction and occupation of the building.
2. A subsequent report may be required pending the outcome of further discussions with the Ministry regarding the use of POD and project costs, resulting further revisions to the elementary school design standards.

G. IMPLEMENTATION, STRATEGIC COMMUNICATIONS AND STAKEHOLDER ENGAGEMENT PLAN

1. Subject to Ministry approval of funding and capital costs, new school projects will incorporate the design standards as approved by the Board detailed in the report.
2. The revised Elementary School Design Standards will be presented to the recipient school at the start of the design development process. Photographs and drawings of recently completed Phase 2 (and eventually Phase 3) schools would be of benefit as part of the presentation. Provide members of the school's Building-design sub-committee an opportunity to tour new facilities.

3. Typically, the community has an opportunity to view the plans/design for the new school as part of the Site Plan Approval process at an Open House organized by the Board (school) or at the request of the local City Councillor through the City's Planning department at Community Council.
4. Plans and drawings for the new school are provide on the schools web site and linked to the Board's "Investing in Our Schools" web site.

H. STAFF RECOMMENDATION

That the 2015 Elementary School Design Standards as outlined in this report be adopted for new school design.

Date 2012	Air temperature maximum (°C)	Relative humidity (%)
19/05/2012	26.7	60%
20/05/2012	28.35	61%
21/05/2012	26.93	68%
24/05/2012	27.72	72%
25/05/2012	27.69	75%
26/05/2012	26.7	62%
27/05/2012	28.5	56%
28/05/2012	30.51	74%
10/06/2012	30.41	65%
11/06/2012	29.97	67%
15/06/2012	28.31	62%
16/06/2012	29.58	60%
17/06/2012	28.34	68%
18/06/2012	28.25	72%
19/06/2012	31.96	69%
20/06/2012	33.77	61%
21/06/2012	32.38	70%
22/06/2012	28.27	61%
23/06/2012	28.48	52%
24/06/2012	28.17	57%
27/06/2012	29.87	54%
28/06/2012	35.06	51%
29/06/2012	32.81	51%
30/06/2012	33.9	52%
01/07/2012	31.85	50%
02/07/2012	33.14	46%
03/07/2012	32.21	69%
04/07/2012	29.79	84%
05/07/2012	33.41	58%
06/07/2012	36.79	51%
07/07/2012	34.02	56%
08/07/2012	31.85	52%
09/07/2012	29.86	49%
10/07/2012	30.44	45%
11/07/2012	31.75	44%
12/07/2012	34.88	42%
13/07/2012	34.32	50%

Number of hot days in May Jun Sep that may require cooling *	
2012	51
2013	19
2014	25

Date 2013	Air temperature maximum (°C)	Relative humidity (%)
13/09/2013	28.93	67%
23/06/2013	26.49	85%
24/06/2013	26.26	84%
26/06/2013	27.39	80%
08/07/2013	26.68	87%
10/07/2013	26.29	90%
14/07/2013	28.55	75%
15/07/2013	30.06	72%
16/07/2013	31.14	72%
17/07/2013	29.64	87%
18/07/2013	29.79	86%
19/07/2013	28.98	87%
20/07/2013	27.01	77%
20/08/2013	26.49	78%
21/08/2013	27.09	77%
26/08/2013	26.28	85%
27/08/2013	26.83	87%
29/08/2013	28.46	77%
30/08/2013	27.06	79%
31/08/2013	26.79	84%
10/09/2013	26.87	91%
11/09/2013	26.72	90%
Date 2014	Air temperature maximum (°C)	Relative humidity (%)
28/06/2014	27.34	78%
30/06/2014	26.41	85%
21/07/2014	26.95	72%
22/07/2014	27.76	73%
10/08/2014	26.8	71%
11/08/2014	26.42	80%
26/08/2014	28.7	77%
30/08/2014	28.92	71%
01/09/2014	26.57	83%
04/09/2014	27.43	72%
05/09/2014	29.07	75%

Number of hot days in May Jun Sep that may require cooling *	
2012	51
2013	19
2014	25

* Outside Air dry bulb >23°C & RH > 55%

2014 Electricity Consumption per sq.ft (kWh/ft²)

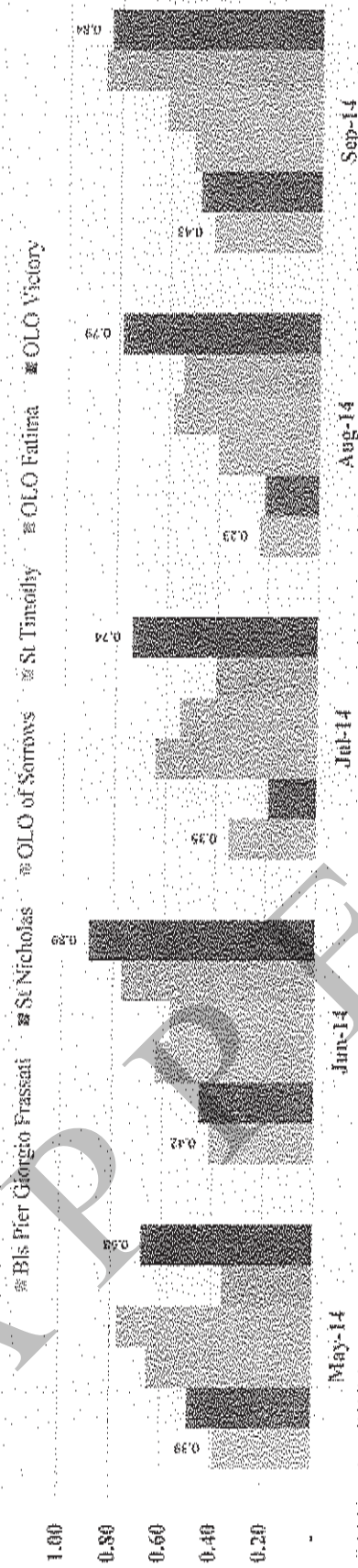
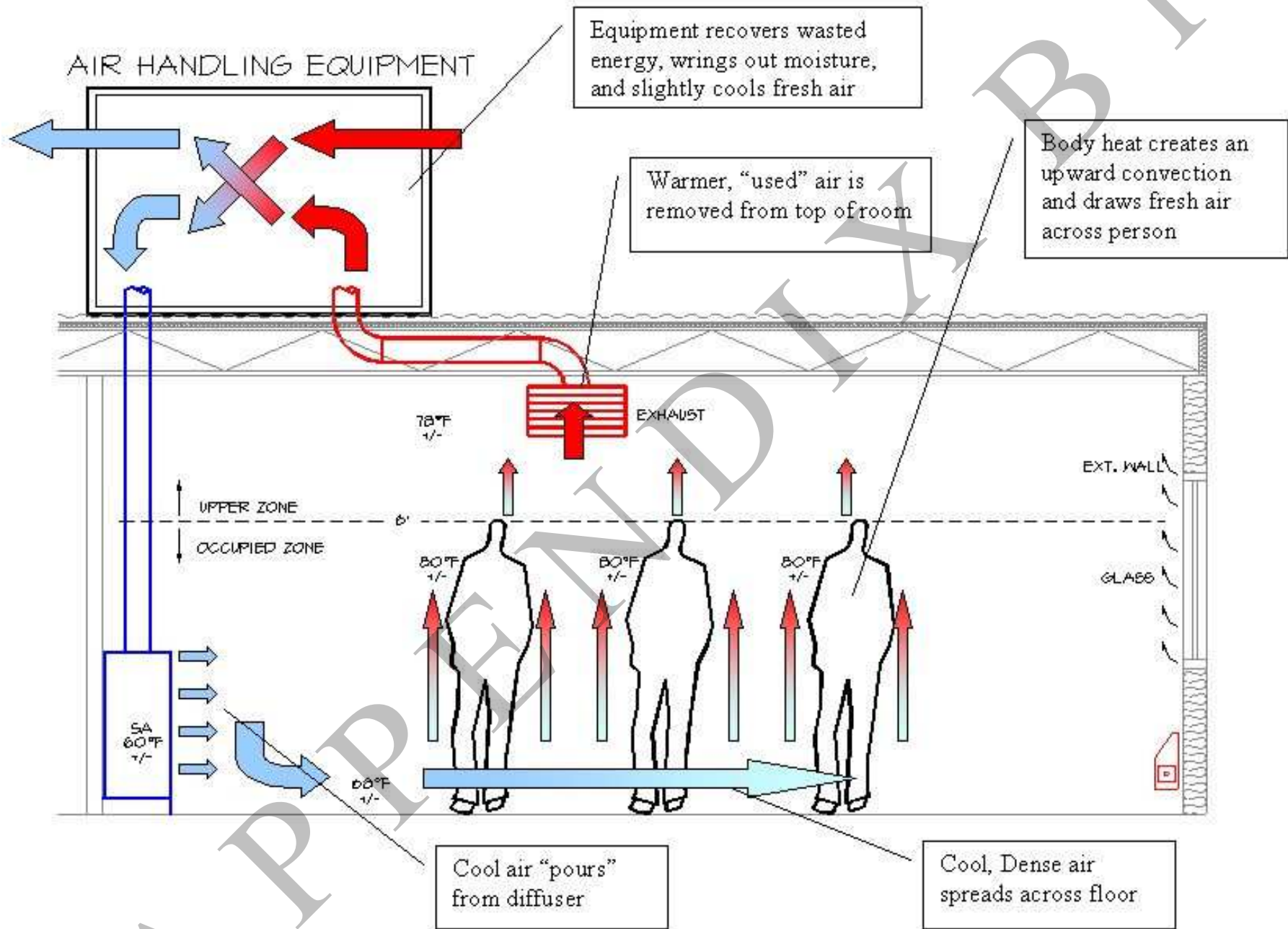


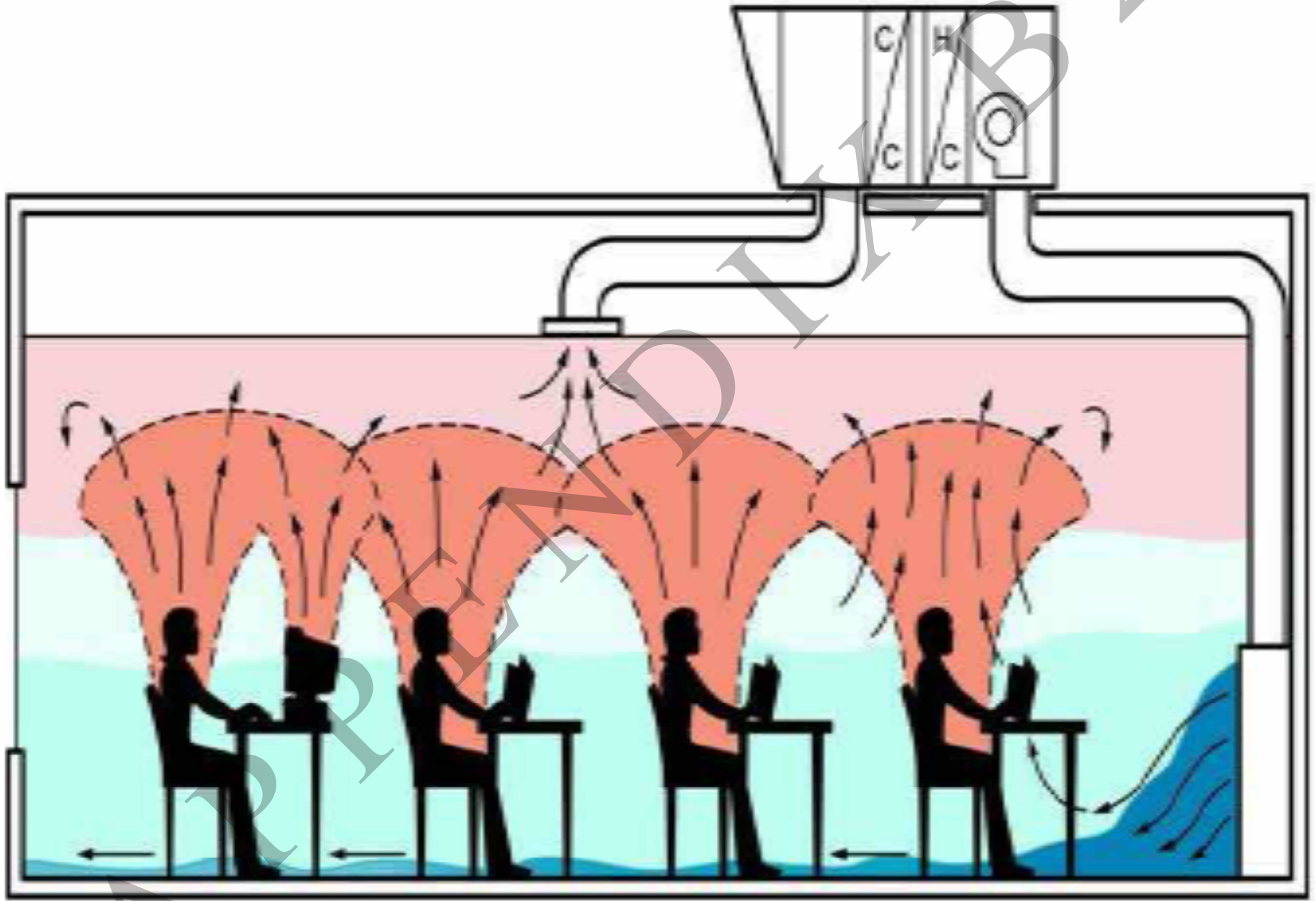
Table 1 : Electricity consumption in 2014

List #	School	Address	Area (ft ²)	May-14	Jun-14	Jul-14	Aug-14	Sep-14
1	St Nicholas	33 Amarillo Drive Scarborough ON M1J 2P7	41,313	20,245	18,800	7,927	8,914	19,846
2	Bls Pier Giorgio Frassati	8 Seasons Drive Scarborough ON M1X 1X4	48,599	18,848	20,174	16,826	11,396	20,791
3	St Timothy	25 Rochelle Crescent Willowdale ON M2J 1Y3	59,783	46,173	34,193	32,428	34,786	36,933
4	OLO Fatima	3176 St Clair Avenue East Scarborough ON M1L 1V6	67,038	23,956	51,418	27,062	36,334	57,675
5	OLO Victory	70 Guestville Toronto ON M6N 4N3	67,619	45,758	60,385	49,730	53,223	56,717
6	OLO of Sorrows	32 Montgomery Road Toronto ON M8X 1Z4	67,457	43,889	42,437	43,001	27,106	34,362

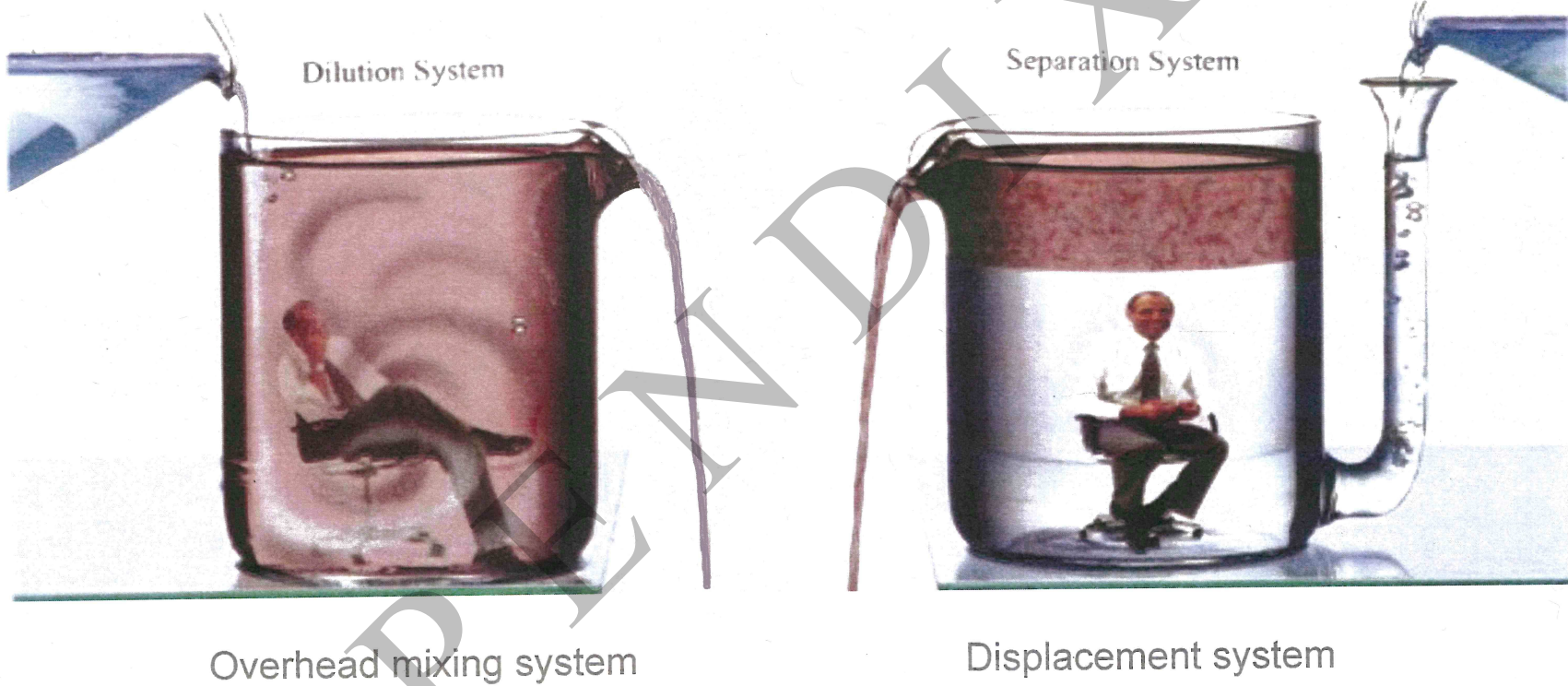
Table 2 : Electricity Intensity in 2014 (kWh/ft²)

List #	School	Address	Area (ft ²)	May-14	Jun-14	Jul-14	Aug-14	Sep-14
1	St Nicholas	33 Amarillo Drive Scarborough ON M1J 2P7	41,313	0.49	0.46	0.19	0.22	0.48
2	Bls Pier Giorgio Frassati	8 Seasons Drive Scarborough ON M1X 1X4	48,599	0.39	0.42	0.35	0.23	0.43
3	St Timothy	25 Rochelle Crescent Willowdale ON M2J 1Y3	59,783	0.77	0.57	0.54	0.58	0.62
4	OLO Fatima	3176 St Clair Avenue East Scarborough ON M1L 1V6	67,038	0.36	0.77	0.40	0.54	0.86
5	OLO Victory	70 Guestville Toronto ON M6N 4N3	67,619	0.68	0.89	0.74	0.79	0.84
6	OLO of Sorrows	32 Montgomery Road Toronto ON M8X 1Z4	67,457	0.65	0.63	0.64	0.40	0.51





Displacement Vs. Mixing Ventilation



APPENDIX C

COMPARISON OF UTILITY COSTS BETWEEN SCHOOLS WITH FULL AC VERSES SCHOOLS WITH DV/RADIANT IN-FLOOR HEATING

	Elementary School with full Air Conditioning Systems	Electricity Use KWh/ square meter	Gas Use Cubic meter/ square meter area
1	Immaculate Conception	60.19	7.26
2	Our lady of Fatima	102.66	1.88
3	Our Lady of Lourdes	116.11	13.36
4	Our Lady of Sorrows	101.03	6.65
5	Our Lady of Victory	80.12	5.92
6	St Anthony	91.37	13.26
7	St Jane Frances	100.04	10.11
8	St Timothy	80.07	9.41
9	St Robert	98.87	7.53
10	St Helen	70.17	9.11
11	St Luke	42.15	13.76
12	All Saints	86.71	4.50
13	St Nicholas of Bari	83.10	8.42
	Average	85.58	8.55

Energy Use for Capital Phase 2 Schools with DV/Radiant In-floor Heating:

	Capital Phase 2 Schools with DV/Radiant heat	Electricity Use KWh/ square meter	Gas Use Cubic meter/ square meter area
	St Nicolas	52.85	5.16
1	St Conrad	73.43	6.31
2	St Ambrose	62.17	8.23
3	ST Edward	37.37	7.44
4	Blessed pier Giorgio	58.62	7.14
	Average	56.89	6.86



REPORT TO

CORPORATE AFFAIRS, STRATEGIC PLANNING AND PROPERTY COMMITTEE

CITY OF TORONTO WATER AND WASTEWATER RATES UPDATE

*"I can do all this through Him who gives me strength."
Philippians 4:13 (NIV)*

Created, Draft	First Tabling	Review
September 29, 2015	October 15, 2015	
K. Elgharbawy, Senior Coordinator, Maintenance & Energy M. Iafrate, Senior Coordinator, Renewal C. Maltese, Coordinator of Occupational Health and Safety P. de Cock, Comptroller, Business Services M. Puccetti, Superintendent of Facilities 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 rooted in the love of Christ. We educate students to grow in grace and knowledge and to lead lives of faith, hope and charity.



G. Poole
 Associate Director of Academic Affairs

A. Sangiorgio
 Associate Director of Planning and Facilities

Angela Gauthier
 Director of Education

A. EXECUTIVE SUMMARY

This is an update to the report regarding City of Toronto Water and Wastewater Utility Rates (April 14, 2015, Corporate Affairs Strategic Planning and Property Committee).

B. PURPOSE

1. This report provides an update to the April 14, 2015 Corporate Affairs Strategic Planning and Property Committee report which recommended:

“That the Toronto Catholic District School Board objects to the proposed increase and that staff be directed to approach the other school boards in the City to jointly pursue Ministry of Education support in seeking an exemption from the proposed City of Toronto water surcharge, and,

That staff look at a cost benefit of installing technology to reduce water usage”.

C. BACKGROUND

1. On April 14, 2015, Board staff provided an update to Corporate Affairs Strategic Planning and Property Committee regarding the proposed City of Toronto Water and Wastewater Utility Rates.
2. Since this report, Board staff has learned that it is expected that City of Toronto intends to take a staff report to Executive Committee in December 2015. Since the report is going later than anticipated last year, this will change the earliest possible implementation year to 2018 and there may be a slight change in the estimated charges.
3. The City of Toronto intended to implement the wastewater surcharge by the year 2017. Board staff estimated this increase to be on the order \$3.5M for the first year.
4. Board staff has already provided a letter to the City of Toronto regarding this surcharge stating that the Board was seeking an exemption to this surcharge. There has been no formal response.
5. Board staff has also contacted the three other boards within the City of Toronto to see if they would like to jointly issue a letter to the Ministry of Education requesting an exemption to the storm water surcharge.

6. Board staff has also investigated technologies to reduce water consumption by conducting a water audit at several sample schools (i.e. CEC, Bishop Allen Academy and Don Bosco Secondary).
7. The technologies recommended include the installation of low flow aerators and faucets and low flow toilets and urinals. It was also recommended to convert the water cooled refrigeration unit to an air cooled unit as well as to install a conductivity controller to automatically control the blowdown of the cooling tower and reduce the makeup water required.
8. These changes would result in a water cost savings of 14.8% for Don Bosco, 39% for CEC and 44.7% for Bishop Allen. (See attached Water Efficiency Report - Executive Summary for each school for more detailed breakdown Appendix A).
9. Each school is currently mandated to flush the water on one or more drinking fountains for 20 minutes per day. There are approximately 200 fountains running every school day under this program at a cost of \$0.20 per fountain per day (for the 20 minutes). This results in an estimated additional cost of \$7,600.00 per year based on a 190 school day year for this flushing program.
10. There are other flushing programs for which no information is available at this time.
11. The water fountain usage is only approximately 1% of total water use at most schools (See attached End Use Breakdown pie graph for each school's breakdown Appendix B).
12. Some schools may not be able to accommodate some of these water saving technologies since they will require costly ancillary work for these to work effectively (i.e. some underfloor drains may have to be removed and reinstalled at a greater slope to accommodate low flow toilets).

D. STAFF RECOMMENDATION

1. That the Board continue to work with the other school boards in the City to jointly pursue Ministry of Education support in seeking an exemption from the proposed City of Toronto water surcharge.
2. That Board staff prioritize the schools that would benefit the most from installing water saving technologies and develop a program to retrofit these schools.

1. Executive Summary

Paolo Cuda, EIT, from Finn Projects and Muaz Nasir from Toronto Water conducted a water audit of TCDSB Catholic Education Centre on June 10, 2014; the representative on site was Michael Cornacchia. The property is a mixed use office and education centre located at 80 Sheppard Ave East in Toronto.

The table below summarizes the water efficiency measures that were identified for TCDSB Catholic Education Centre, together with the potential water savings and estimated capital costs:

Ref #	Description of Energy Saving Measures	Estimated Annual Water Savings	Estimated Annual Cost Savings	Capacity Buyback Incentive	Net Cost of Retrofit	Net Present Value
		m ³	\$	\$	\$	\$
5.1	Install High Efficiency Toilets & Urinals	1,079	\$3,190		\$40,200	\$3,153
5.2	Install Low-Flow Aerators & Faucets	842	\$2,491		\$3,700	\$30,154
5.3	Convert the Water-Cooled Refrigeration Unit to Air-Cooled	1,134	\$3,355	-\$932	\$7,268	\$30,034
5.4	Install a Conductivity Controller to Automatically Control Blowdown of the Cooling Tower & Reduce Make-Up Water Needed	405	\$1,197	-\$333	\$7,267	\$6,041
Total Estimated Savings		3,460	\$10,233	-\$1,265	\$58,435	\$69,382
Annual Baseline Utilities (at same rates as savings)		8,874	\$26,248	Water Cost Savings: 39.0%		
Percent Reduction		39.0%	39.0%			

NOTES:

- The above water and capital costs do NOT include HST.
- This report should only be considered to be a pre-feasibility report in scope and quality. Existing water consumption patterns, capital costs and potential incentives are only estimates (based on preliminary observations and discussions with the client) and are not guaranteed.
- It is the property owner’s responsibility to ensure that any changes involving water distribution or utilization within the facility are done in accordance with all applicable codes, standards, permits and health and safety requirements.



1. Executive Summary

Paolo Cuda, EIT, from Finn Projects and Muaz Nasir from Toronto Water conducted a water audit of TCDSB Bishop Allen Academy on June 18, 2014; the representative on site was Douglas McDouglas. The property is a secondary school located at 721 Royal York Rd in Toronto.

The table below summarizes the water efficiency measures that were identified for TCDSB Bishop Allen Academy, together with the potential water savings and estimated capital costs:

Ref #	Description of Energy Saving Measures	Estimated Annual Water Savings	Estimated Annual Cost Savings	Capacity Buyback Incentive	Net Cost of Retrofit	Net Present Value
		m ³	\$	\$	\$	\$
5.1	Install High Efficiency Toilets & Urinals	1,364	\$4,034		\$48,500	\$6,323
5.2	Install Low-Flow Aerators & Faucets	1,134	\$3,355		\$1,100	\$44,496
5.3	Convert the Water-Cooled Refrigeration Units to Air-Cooled	1,682	\$4,974	-\$1,382	\$15,018	\$40,285
5.4	Repair Leaking Faucet	3	\$8		\$50	\$15
	Total Estimated Savings	4,183	\$12,371	-\$1,382	\$64,668	\$91,119
	Annual Baseline Utilities (at same rates as savings)	9,354	\$27,667	Water Cost Savings: 44.7%		
	Percent Reduction	44.7%	44.7%			

NOTES:

- The above water and capital costs do NOT include HST.
- This report should only be considered to be a pre-feasibility report in scope and quality. Existing water consumption patterns, capital costs and potential incentives are only estimates (based on preliminary observations and discussions with the client) and are not guaranteed.
- It is the property owner’s responsibility to ensure that any changes involving water distribution or utilization within the facility are done in accordance with all applicable codes, standards, permits and health and safety requirements.



1. Executive Summary

Paolo Cuda, EIT, from Finn Projects and Muaz Nasir from Toronto Water conducted a water audit of TCDSB Don Bosco Secondary School on June 26, 2014; the representative on site was Andrew Sinclair. The property is a secondary school located at 2 St Andrew's Blvd in Toronto.

The table below summarizes the water efficiency measures that were identified for TCDSB Don Bosco Secondary School, together with the potential water savings and estimated capital costs:

Ref #	Description of Energy Saving Measures	Estimated Annual Water Savings	Estimated Annual Cost Savings	Capacity Buyback Incentive	Net Cost of Retrofit	Net Present Value
		m ³	\$	\$	\$	\$
5.1	Install Low-Flow Aerators & Faucets	310	\$916		\$1,200	\$11,249
5.2	Convert the Water-Cooled Refrigeration Unit to Air-Cooled	360	\$1,064	-\$296	\$7,904	\$3,926
5.3	Install a Conductivity Controller to Automatically Control Blowdown of the Cooling Tower & Reduce Make-Up Water Needed	978	\$2,893	-\$804	\$10,096	\$22,069
	Total Estimated Savings	1,647	\$4,873	-\$1,100	\$19,200	\$37,244
	Annual Baseline Utilities (at same rates as savings)	11,112	\$32,867	Water Cost Savings: 14.8%		
	Percent Reduction	14.8%	14.8%			

NOTES:

- The above water and capital costs do NOT include HST.
- This report should only be considered to be a pre-feasibility report in scope and quality. Existing water consumption patterns, capital costs and potential incentives are only estimates (based on preliminary observations and discussions with the client) and are not guaranteed.
- It is the property owner's responsibility to ensure that any changes involving water distribution or utilization within the facility are done in accordance with all applicable codes, standards, permits and health and safety requirements.

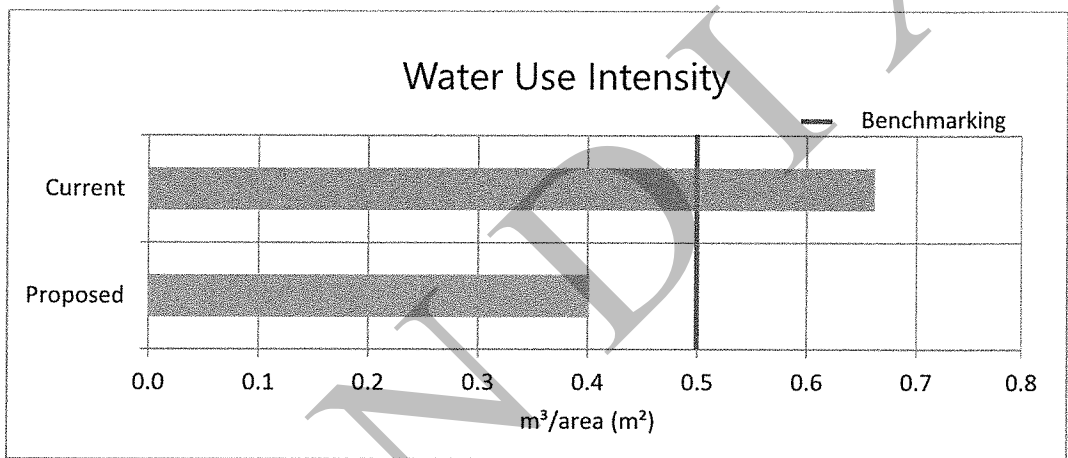


We have assumed that this increased usage was the result of leaks and that they have since been repaired.

4.2 Water Use Intensity Comparison

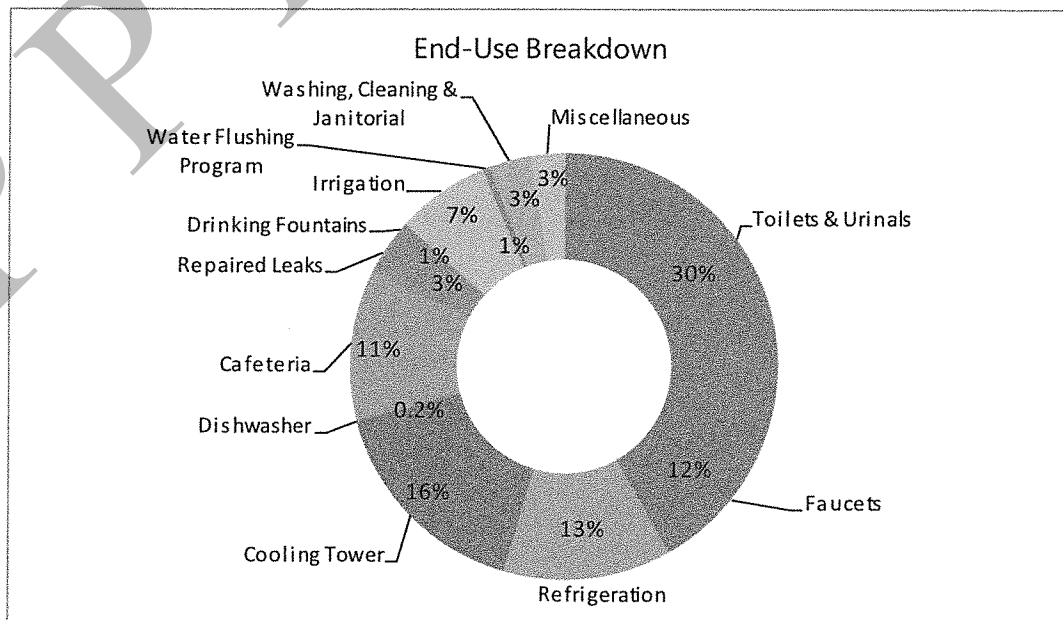
The building's water use intensity is benchmarked in the figure below against other similar buildings with similar characteristics (facility type and use), based on our previous auditing and measurement and verification (M&V) experience over the past 10 years.

The building has a water use intensity of 0.66 m³/area (m²); the average water-use intensity was 0.48 m³/area (m²). In the figure below, a lower value represents a building that is more water efficient.

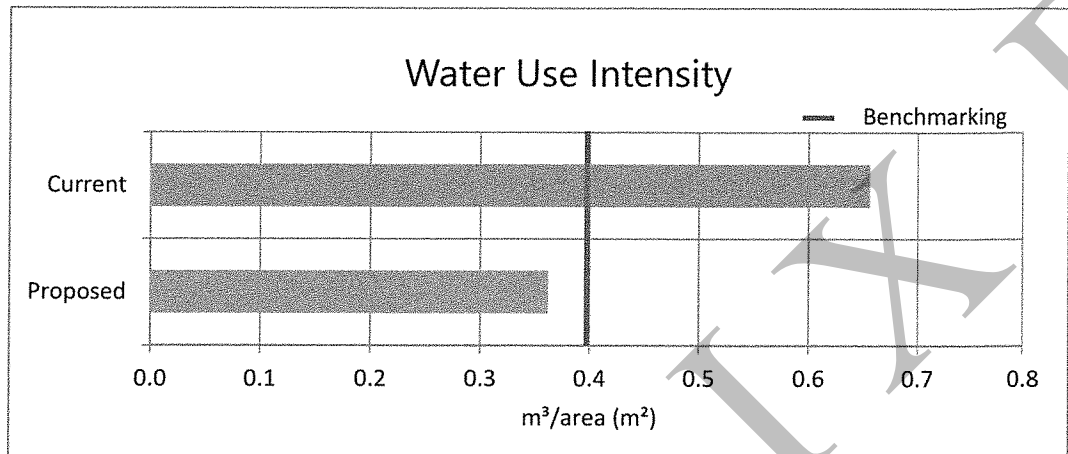


4.3 End Use Breakdown

The following graph gives an approximate end-use breakdown of water, based on our observations onsite:

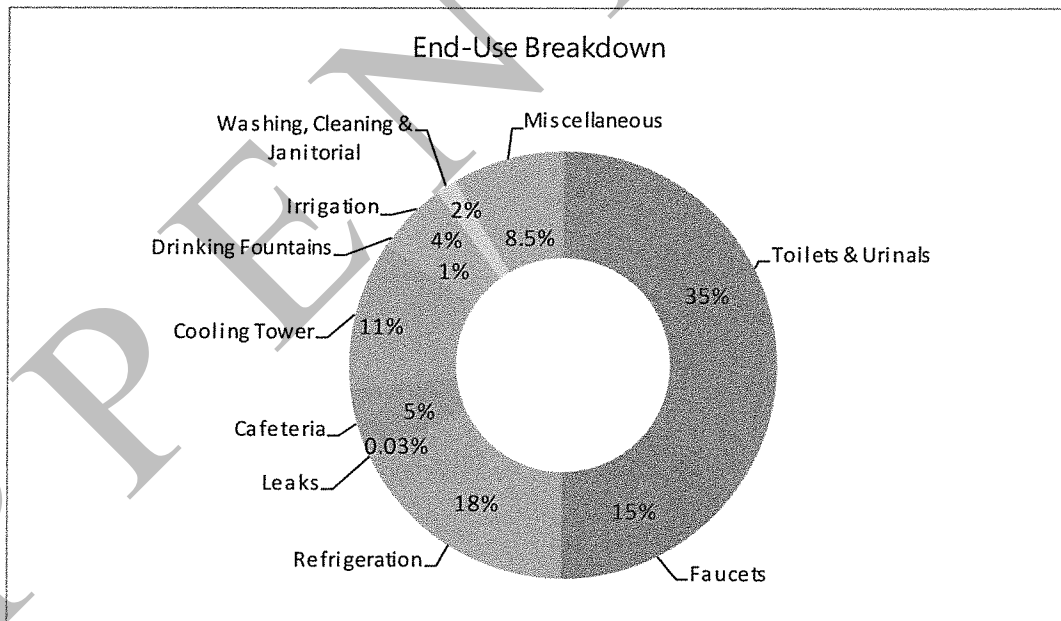


The building has a water use intensity of 0.66 m³/area (m²); the average water-use intensity was 0.40 m³/area (m²). In the figure below, a lower value represents a building that is more water efficient.



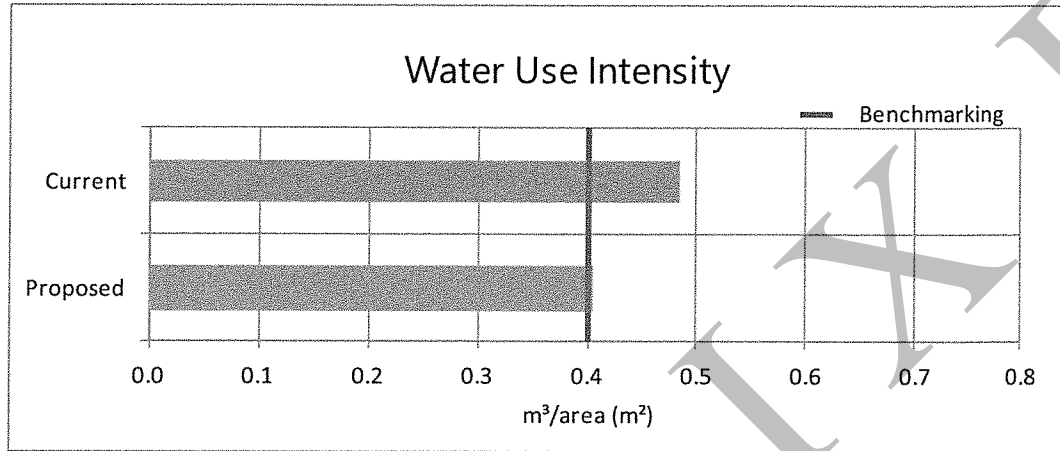
4.3 End Use Breakdown

The following graph gives an approximate end-use breakdown of water, based on our observations onsite:



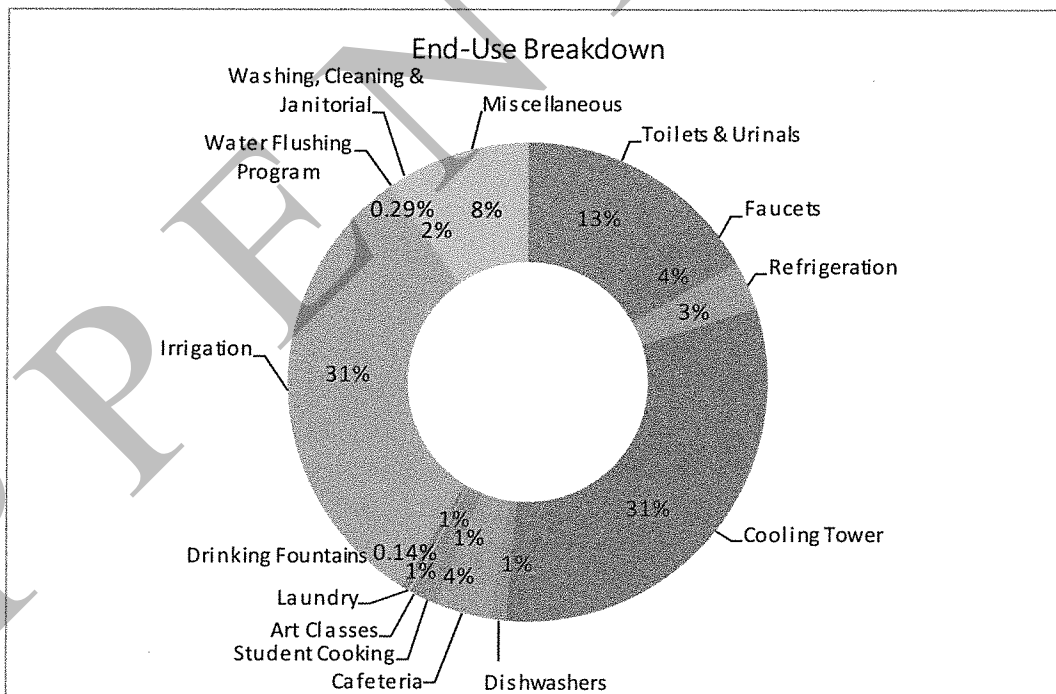
Faucet, toilet and urinal usage accounted for a significant portion (50%) of the overall water consumed in the building.

The building has a water use intensity of 0.49 m³/area (m²); the average water-use intensity was 0.40 m³/area (m²). In the figure below, a lower value represents a building that is more water efficient.



4.3 End Use Breakdown

The following graph gives an approximate end-use breakdown of water, based on our observations onsite:



The cooling tower and irrigation usage accounted for a significant portion (62%) of the overall water consumed in the building.



REPORT TO

**CORPORATE AFFAIRS, STRATEGIC
PLANNING AND PROPERTY
COMMITTEE**

**B.R. 05 PERMIT POLICY - REVISED PERMIT
RATES AND FEE STRUCTURE**

“The rich and the poor have a common bond, the Lord is the maker of them all”. Proverbs 22:2

Created, Draft	First Tabling	Review
October 6, 2015	October 22, 2015	Click here to enter a date.

Angela DiMondo, Senior Manager, Community Use of Schools
 Michael Loberto, Senior Coordinator of Development Services
 Mario Silva, Comptroller, Planning and Development

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



G. Poole
 Associate Director of Academic Affairs

A. Sangiorgio
 Associate Director of Planning and Facilities

Angela Gauthier
 Director of Education

A. EXECUTIVE SUMMARY

The Board encourages and promotes the use of Toronto Catholic District School Board (TCDSB) school facilities, and issues permits to organizations who require space for a variety of community activities and functions. The Board's current permit rates have not been revised since 2008, and the permitting of facilities is based on a per-use fee structure, which is inconsistent with how coterminous school boards charge for community use of schools.

While the number of permits issued continues to increase annually, the funding received from the Ministry of Education to subsidize the Community Use of Schools has remained unchanged. Furthermore, the costs associated with the permitting of TCDSB facilities, including labour, maintenance, renewal, and utilities, continue to rise.

In order to fully recover the costs associated with permitting TCDSB facilities, this report recommends that the Board approve amending Policy B.R.05 Permits by adopting the revised Permit Rates fee schedule as outlined in *Appendix 'A'*. The new rates have been calculated to account for the impact of permit activities on the operations and maintenance of Board assets.

The new permit structure is based on a per-hour fee, similar to other school boards in the Greater Toronto Area, and the proposed rates are currently lower than the fees charged by the Toronto District School Board (TDSB) for the community use of its facilities by an average of 12%. The proposed rate increases is the initial step of a three-year phasing to align the TCDSB rates with those of the TDSB.

B. BACKGROUND

1. On February 13, 2014, the Board considered the report regarding 'B.R.05 Permit Policy Revision, and approved the recommendation below:

"That the Board of Trustees approves the revised policy B.R.05 Permits in Appendix B and the Operational Procedures in Appendix C, and that Appendix E be brought back to Board at the appropriate time."

Appendix E refers to the Permit Rates component of the Policy.

2. At a Special Board meeting held on April 7, 2015, the Board of Trustees approved the following resolution:

“That staff proceed with drafting a new permit rate for external organizations seeking to use our school spaces with a projected increase in revenue of \$500,000.”

3. The TCDSB currently charges a per-use fee for the permitting of school facility space, which does not reflect the cost impacts of longer duration permits. This permit fee structure is inconsistent with the practices of coterminous schools boards in the Greater Toronto Area, including the TDSB, who charge hourly fees.
4. TCDSB permits for the Community Use of Schools are divided into three categories.
 - **Category A:** Permits are provided at no charge to Catholic religious services or instructions, celebrations of the Eucharist, and education activities approved by the Director of Education.
 - **Category B:** Permits are provided at a reduced rate to Not-for-Profit organizations funded by the Ministry of Education and other registered charitable organizations. Scouts, Guide, and Air Cadets receive a heavily subsidized rate.
 - **Category C:** All other user groups, including adult groups and organizations of commercial enterprise, are charged the full permit rates.
5. Between 2005 and 2009, the Ministry of Education introduced grants to allow not-for-profit organizations to use Board facilities at reduced rates. The annual Ministry funding grants which subsidize the Community Use of Schools are outlined below.

Ministry of Education Funding Grants

Program	Funding Allocation
CUS - Community Use of Schools	\$1,300,000
PSI - Priority Schools Initiative (23 schools)	\$782,000

Total per year:	\$2,082,000
------------------------	--------------------

- **Community Use of Schools:** In 2005, the Ministry of Education introduced funding to decrease rates to make school spaces more affordable to the surrounding community, and increase access after-hours to both indoor and outdoor school facilities.
- **Priority Schools Initiative** – Introduced in 2009, this program provides free after-hours access to Board facilities for not-for-profit organizations in Priority Neighbourhoods.

This funding has helped to reduce the costs of permitting TCDSB facilities. The current rates do not cover the full costs of permits.

6. Since the implementation of the Ministry funding grants outlined above, average annual permit bookings have increased over 54%, with a 99% increase in total permitted hours. The table on the following page shows the increased number of permit occurrences, hours, and participants since the implementation of these Ministry initiatives.

Customer Group	2005-06			2013-14			Percent Increase		
	Occurrences	Hours	Participants	Occurrences	Hours	Participants	Occurrences	Hours	Participants
School	15,048	61,244.5	807,969	15,846	68,786.5	954,095	5.303	12.3146	18.0856
CSAC	28	83.5	2,505	53	167.0	1,795	89.29	100	-28.3433
Parks & Recreation	211	1,832.5	11,346	2,586	11,329.0	117,468	1125.59	518.2265	935.3252
Not-For-Profit	16,778	71,403.0	766,117	20,115	97,026.5	963,829	19.8891	35.885	25.807
Commercial	18,503	153,091.0	333,382	39,365	397,160.5	668,738	112.7493	159.4277	100.5921
Total	50,568	287,655	1,921,319	77,965	574,470	2,705,925	54.18	99.71	40.84

Notes:

1. Table above does not include every Customer Group. The Customer Group omissions are as follows; Catholic Mass, Catechism Classes, Continuing Education, Parish Activities, Catholic Religious Act, Non Catholic Services, Service Organization, Community Groups, TCDSB-Other Departments, Scouts, Guides, Air Cadets, TCDSB-Staff Arts, Elections, Movie Shoots.
2. Number of permits includes approved and cancelled.

7. The combination of the increased number of permit bookings and the fixed Ministry funding amount has resulted in grants depleting sooner, reducing the amount of funding available to address increasing operational and maintenance costs.

8. The table below presents a preliminary revenues versus costs analysis for permits from the 2013-2014 fiscal year. With respect to costs, the direct labour refers to the overtime and benefits accrued by custodial staff as result of permitting activity. Both the overhead (charges to the maintenance and operations envelope), and renewal amounts represent a percentage of these costs which can be attributed to permits.

Revenue	
Ministry Grants	\$ 2,082,000.00
Permit Revenue	\$ 1,800,000.00
Total	\$ 3,882,000.00
Costs	
Direct Labour Costs	\$ 3,286,053.00
Administration	\$ 452,402.00
Overheads (Maintenance/Operations)	\$ 2,694,002.00
Renewal	\$ 450,000.00
Total	\$ 6,882,457.00
Net Operating Surplus/(Deficit)	\$ (3,000,457.00)

Notes:

Assumptions made with respect to overhead (3% of M & O costs) and renewal costs (3% of renewal revenue) as actual costs not reasonably available.

- During the 2013-2014 fiscal year, while the combined revenue generated from permits was approximately \$3.8 million, the costs associated with these activities was roughly \$6.8 million, resulting in a \$3 million deficit.
 - The most significant costs are the roughly \$3.2 million in overtime and benefits paid to caretakers as a result of permits, as well as approximately \$2.6 million associated with maintenance and operations, which includes utilities and consumables.
9. The significant deficit associated with permit activities has required the Board to allocate funding from other budget envelopes in order to subsidize the community use of schools. As such, it is imperative that the Board revise its permit fee schedule in order to directly recover the costs attributed to permitting school space.

C. EVIDENCE/RESEARCH/ANALYSIS

1. TCDSB has not revised its Permit rates since 2008, while coterminous school boards have all revised their rates during this time period. In addition, the City of Toronto Parks, Forestry, and Recreation department have adopted a method to automatically raise permit fees by 3% every year to account for inflation.
2. As part of the rate revisions, staff assessed the permit fees charged for facility use by coterminous school boards. Due to the geographical influence of City of Toronto supply and demand with respect to available space, permit rate revisions were compared to TDSB permit rates.
3. In order to fully recover the costs associated with permitting TCDSB school facilities and fields, staff are proposing changing the permit fee structure to a per-hour rate format, similar to the TDSB. The table below shows the difference between the current per-use structure and the proposed hourly fees, as well as a comparison to TDSB's current permit rates for **Category B (not-for-profit)**.

Space Type	Current TCDSB Per-Use Structure	Proposed TCDSB Per-Hour Rate Structure	Current TDSB Per-Hour Rate Structure * ⁵	Difference (\$/HR)	% Difference	% Change
Classroom	\$2	\$5	\$5.26	\$0.26	5.07%	5.2%
Cafeteria	\$50	\$40	\$53.96*	\$13.96	29.71%	34.9%
Single Gym*	\$10	\$15	\$17.55	\$2.55	15.67%	17%
Double Gym*	\$20	\$30	\$35.10	\$5.10	15.67%	17%
Fields	\$12	\$12	\$14.92	\$2.92	21.69%	24.33%
Theatre/Auditorium	\$250	\$70	\$66.21	-\$3.79	-5.56%	-5.41%
Swimming Pools	\$50	\$90	\$93.80	\$3.80	4.13%	4.22%
				\$24.80	12.34%	13.89%

Notes:

1. All rates are hourly and subject to HST.
2. Calculations apply only to School Day Monday to Friday excluding holidays, 6pm-10pm for Category B TCDSB and Category (ii) for TDSB.
4. Single Gym counts as a Gym with 2,000 sqft and Double Gym counts as a Gym with 4,000 or more sqft.
5. TDSB rates reflect the fee category (ii) Partial subsidy outlined in the TDSB Facility Permit Fee
6. Percentage difference equals the absolute value of the change in value, divided by the average of the 2 numbers, then multiplied by 100.

While the proposed permit rates represent an increase over the current fees, they are consistent with TDSB’s fee schedule, and remain lower than TDSB rates by an average of 12%.

5. When TCDSB facilities are not utilized by not-for-profit organizations, commercial organizations and entities such as film production companies, dance schools, as well as private summer camps, and sports clubs use school space at the full permit rate. In the 2013-14 fiscal year, approximately \$1,163,402 was received from commercial organization (Category C) permit holders. These commercial entity permits account for the majority of the revenue generated from Community Use of Schools permits.
6. The scenario table below provides the estimated cost recovery of a per-hour rate structure charged to Category B and C permits when compared to the current per-use rate structure. Current and proposed revenues were calculated using total hours and total occurrences for the 2013-14 fiscal year in the Elyxyr TCDSB Permit Software reports summary.

Space Type	Category B Permits			Category C Permits		
	Current Per-Use	Proposed Per-Hour	Estimated Increase	Current Per-Use	Proposed Per-Hour	Estimated Increase
Classroom	\$112,720	\$1,587,815	\$1,475,095	\$170,960	\$860,347.50	\$689,387.50
Cafeteria	\$85,100	\$367,080	\$281,980	\$69,100	\$366,160	\$297,060
Single Gym* ²	\$24,650	\$156,637.50	\$131,987.50	\$36,750	\$170,580	\$133,830
Double Gym* ²	\$45,640	\$295,605	\$249,965	\$73,050	\$339,090	\$266,040
Fields* ²	\$35,676	\$138,294	\$102,618	\$23,765	\$108,832.50	\$85,067.50
Theatre/Auditorium	\$194,750	\$314,090	\$119,340	\$40,500	\$105,250	\$64,750
Swimming Pools	\$4,600	\$32,625	\$28,025	\$15,000	\$49,050	\$34,050

Notes:

1. Comparison applies only to Not-for-Profit (Category B) and commercial/private organizations (Category C) Permits. Scouts, Guides, and Air Cadet Category B1 per-hour fees were omitted from the analysis.
2. Elyxyr report summaries cannot split Space types by size of room therefore estimated increase for Single and Double Gyms count the same amount of total permit hours and total occurrences.
3. Number of permits includes approved and cancelled.

7. The estimated increase in permit receipts of \$3,959,196 associated with the new proposed hourly fees outlined in *Appendix 'A'* is the initial step in ensuring that the Board can recover the full costs of permitting school facilities. Over the next two years, additional rates increases will be phased in with the purpose of ensuring that TCDSB permit rates are at par with the TDSB. The three-year timeline is consistent with the Board's Multi-Year Recovery Plan strategy.
8. Moreover, the new permit fees also include a charge for parking to defray the expenditure associated with the upkeep of Board parking facilities. The parking surcharge will be applied at the time the permit is issued, with the charge based on a flat fee per person per permit occurrence.
9. In order to ensure that permit rates continue to recover the expenses associated with the community use of facilities, staff are also proposing a further provision for an administrative review of permit fees to alter the rates in order to account for increasing costs related to increases in utility rates and inflationary pressures.
10. It is important to note that the amount of funding subsidies associated with the use of school space by not-for-profit organizations (Category B) is dependent on Ministry funding grants. As such, staff are in the process of analysing the overall impact of the revised fee schedule on the subsidies provided to space permitted by these groups, and will bring back a further report on this matter.
11. Furthermore, the Community Use of Schools department does not charge permit fees for the following activities:
 - All school activities (ie CSAC meetings and plays)
 - Meetings/functions held by other TCDSB departments
 - Catholic Masses
 - Catechism Classes
 - City of Toronto programs (part of Exchange of Services Agreement)
 - City of Toronto Community meetings
 - Continuing Education, International Language, and Adult ESL classes
 - Staff Arts

As outlined in *Appendix 'B'*, in 2013-2014, approximately \$600,000 in permit fees were not recovered from these activities.

12. The proposed permit rates represent a substantial increase from the current fee structure, which is necessary to ensure that the TCDSB is able to recover the significant labour, maintenance, and operation costs created by the community use of schools.

D. IMPLEMENTATION, STRATEGIC COMMUNICATIONS AND STAKEHOLDER ENGAGEMENT PLAN

1. The Community Use of Schools (CUS) department recommends that new hourly fees take effect prior to the summer of 2016, and be applied to all permits issued at that point.
2. Upon approval of the new fee schedule and an upgrade of the e-permits application at a one-time cost of \$5,000 plus HST, the Communications department and the CUS department will post the permit fee schedule on the TCDSB website and Portal prior to implementation. Principals, Program Coordinators and current Permit holders will also be notified via email of the new permit fee schedule.
3. All major permit holders with summer permits have been notified about the proposed increase to permit rates. Further meetings and presentations can be held to advise applicants of the new rate structure.

E. STAFF RECOMMENDATION

That the Board amend Policy B.R.05 Permits by approving the revised Permit Rates outlined in *Appendix 'A'* of this report.

COMMUNITY USE OF SCHOOLS

PERMIT RATES for PERMIT TYPE II

Rates for occasional or continuing use after 6pm, for the use of a facility are based on the following charges:

- i. Facility usage fees;
- ii. Supervision fees;
- iii. Processing fees; and
- iv. Recovery of Direct Costs.

CATEGORIES

Permits are divided into three categories. Category A permits will be provided at no charge. Category B permits will be provided at reduced charges. Category C permits will pay the full permit rates.

CATEGORY A

- (a) The use of facilities for the celebration of the Eucharist, Catholic religious services or instruction, and education activities approved by the Director of Education.

CATEGORY B

- (a) The use of facilities for registered charitable organizations.
- (b) B1- Not-For-Profit as funded by Community Use of School from Ministry Education.

CATEGORY C

- (a) All others including adult groups and organizations of Commercial Enterprise.

Facility Usage Fees Applicable to Permit Type II:

Effective January 1, 2016

(a) The following **HOURLY** user fees will apply:

All facility fees are subject to **H.S.T. No. 107-694-119 RT001**.

FACILITY	DAYS	CAT.A	CAT. B		CAT. C
			B1	B2	
Gymnasium-Single -Double	Mon-Fri	N/C	\$7.50/hr*	\$15.00/hr	\$30/hr \$60/hr
	Sat-Sun	N/C	\$7.50/hr*	\$15.00/hr	
	Mon-Fri	N/C	\$15/hr*	\$30/hr	
	Sat-Sun	N/C	\$15/hr*	\$30/hr	
Classrooms		N/C	\$2.50/hr*	\$5.00/hr	\$15.00/hr
Cafeteria	Mon-Fri	N/C	\$20/hr*	\$40/hr	\$80.00/hr
	Sat-Sun	N/C	\$20/hr*	\$40/hr	
Theatre/Auditorium	Mon-Fri	N/C	\$35.00/hr*	\$70.00/hr	\$250.00/hr \$150/hr/ additional performance Rehearsal rate \$100/hr
	Sat-Sun	N/C	\$35.00/hr*	\$70.00/hr Rehearsal rate \$50/hr	
Fields		N/C	\$10/hr*	\$12/hr	\$35/hr
High Performance Fields	Monday- Sunday	N/C	\$50.00/hr*	\$50.00/hr	\$65/hr (adults) \$100/hr (commercial)
Parking surcharge (Permit Holders)		N/C	\$0.25* per person per occurrence	\$0.25 per person per occurrence	\$0.50 per person per occurrence
Swimming Pools	Mon-Fri	N/C	\$90/hr*	\$90/hr	\$100/hr
	Sat-Sun	N/C	\$90/hr*	\$90/hr	

* Scouts, Guides, and Air Cadet

N/C = no charge

Surcharge of \$100/annum/site will apply for High Performance Fields

NOTE: Permit Rates and Fees are subject to change without notice.

Requests for filming and special event permits are negotiated by the Community Use of Schools Department and are charged a minimum of \$2,500/day.

CUS staff reserves the right to levy additional charges for clean-up and other special circumstances.

Permits cancelled with less than ten (10) days' notice **WILL NOT BE REFUNDED**.

Trustees will receive notice of any movie permits in their wards.

- (b) Permits issued for polling stations shall be at the rates established by municipal, provincial, or federal election authorities (actual costs incurred by the school may be recovered upon request to the Community Use of Schools Department).
- (c) Costs for use of school equipment are to be arranged directly with the school principal and paid for directly to the school, in advance, using a secure method of payment upon confirmation of the permit. Where equipment used requires an A/V technician, this technician will be paid for by the permit holder as arranged through the school. Equipment is to be left in the condition in which it was received.
- (d) The estimated cost of the permit will be clearly shown on the confirmation sheet that the permit holder receives.

Supervision and Cleaner Fees:

CATEGORY	A	B	C	B & C
	SUPERVISION			CLEANER
Monday - Friday 7:30 a.m. - 11:30 p.m. or such other times when the facilities are normally staffed	N/C	\$18.70/hour	\$30.85/hour	\$33.60/hour
Saturday	N/C	\$18.70/hour	\$30.85/hour	\$33.60/hour
Sunday	N/C	\$23.25/hour	\$41.15/hour	\$44.80/hour
Statutory Holidays	As per Collective Agreement	As per Collective Agreement	As per Collective Agreement	As per Collective Agreement

All rates are subject to HST No. **107-694-119 RT001**.

- (1) The minimum charge is for 3 hours when a CUPE 1280 member has to be called in to cover the permit over and above the regular work week.
- (2) Groups larger than 200 persons must pay for an additional permit supervisor(s).
- (3) Permit supervision rates will not be charged for:
 - (a) The celebration of the Eucharist, Catholic religious services or instruction, and education activities approved by the Director of Education.
 - (b) In recognition of the efforts and support provided by the Catholic School Advisory Councils, facilities will be made available to each council free of charge, on application through the school principal, for two fund raising events during the school year.

Processing Fees (NON REFUNDABLE) payable annually:

Category A	\$ 0.00
Category B	\$20.00
Category C	\$85.00
Permit Change/Revision Fee	\$25.00/change request
N.S.F. cheque	\$40.00
Monthly Financial Statement (mailed)	\$10.00

(Category “B” and “C”)

Cancellation of a permit which includes an auditorium/theatre for Categories “B” & “C” will be charged an additional \$100.

All rates noted above are subject to HST @ 13%.

High Performance Fields

St. John Paul II
Dante Alighieri
Don Bosco
Father Henry Carr
Msgr. Percy Johnson
Senator O’Connor
St. Basil the Great College

PERMIT FEES NOT RECOVERED**2013-2014**

CATEGORY	#OF PERMITS HOURS	# OF PARTICIPANTS	GROSS MARGIN
SCHOOL	68,796.50	954,088	(\$68,338.30)
CATHOLIC MASSES	336	7125	(\$1,547.40)
CATECHISM CLASSES	345.5	16,506	(\$10,552.45)
CONTINUING ED	14,074.50	564,895	(\$279,740.85)
PARISH ACTIVITIES	1,453	38,460	(\$30,185.80)
CSAC	167	1,795	(\$555.40)
CATHOLIC RELIGIOUS ACTIVITIES	212	8,803	(\$1,815.35)
SERVICE ORGANIZATIONS	5503.5	1,516	(\$1,177.65)
COMMUNITY GROUPS	1,129	26,976	(\$24,982.90)
TCDSB-OTHER DEPTS.	24,798	40,405	(\$38,282.20)
SCOUTS/GUIDES	1,772.50	39,642	(\$2,594.60)
NFP	96,986.50	963,884	(\$133,653.10)
TCDSB-STAFF ARTS	761.5	15,948	(\$6,622.15)
		Total:	(\$600,048.15)



REPORT TO

CORPORATE AFFAIRS, STRATEGIC PLANNING AND PROPERTY COMMITTEE

TRUSTEE HONORARIUM (2015-16)

From the fruit of his lips a man is filled with good things as surely as the work of his hands rewards him.

Proverbs 12:14

Created, Draft	First Tabling	Review
October 6, 2015	October 15, 2014	

P. De Cock, Comptroller of Business Services & Finance
 P. Matthews, General Legal Counsel

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



G. Poole
 Associate Director of Academic Affairs

A. Sangiorgio
 Associate Director of Planning and Facilities

Angela Gauthier
 Director of Education

A. EXECUTIVE SUMMARY

Ontario Law requires that the amount of Trustee Honorarium for the period of December 1st, 2015 to November 30th, 2016 be established based on the prescribed formula in Ontario Regulation 357/06.

Based on the formula prescribed by law, the Trustee Honorarium for the year December 1st, 2015 to November 30th, 2016 will be as follows:

	Base	Enrolment	Total
Trustee	\$5,900.00	\$13,057.21	\$18,957.21
Chair	\$10,900.00	\$17,533.97	\$28,433.97
Vice-Chair	\$8,400.00	\$15,295.59	\$23,695.59

The enrolment amount (89,535 ADE) is based on what was reported in the 2014-2015 Estimates in accordance with Section 9 of Ontario Regulation 357/06.

B. PURPOSE

As per TCDSB Trustee Honorarium Policy T.05 (Appendix A), 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 2015 to November 30th, 2016 be established based on 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 2014-2018 term of office be maintained to the current \$5,900 as prescribed in O.Reg.357/06 without any adjustment to reflect 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, 2015 to November 30th, 2016 will be as follows:

	Base	Enrolment	Total
Trustee	\$5,900.00	\$13,057.21	\$18,957.21
Chair	\$10,900.00	\$17,533.97	\$28,433.97
Vice-Chair	\$8,400.00	\$15,295.59	\$23,695.59

The enrolment amount (89,535 ADE) is based on what was reported in the 2014-2015 Estimates in accordance with Section 9 of O. Reg. 357/06.

2. The Trustee Honorarium for the year December 1st, 2014 to November 30th, 2015 was:

	Base	Enrolment	Total
Trustee	\$5,900.00	\$12,397.44	\$18,297.44
Chair	\$10,900.00	\$16,647.99	\$27,547.99
Vice-Chair	\$8,400.00	\$14,522.71	\$22,922.71

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, 2015 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

4. The Trustee Honorarium for the year commencing December 1st, 2015 and ending November 30th, 2016 is as follows:

Trustee	\$18,957.21
Vice-Chair	\$23,695.59
Chair	\$28,433.97

E. CONCLUDING STATEMENT

This report is for the consideration of the Board.



REPORT TO

CORPORATE AFFAIRS, STRATEGIC PLANNING AND PROPERTY COMMITTEE

CITY OF TORONTO WARD BOUNDARY REVIEW -- IMPACT ON TCDSB TRUSTEE BOUNDARIES

According to the grace of God given to me, like a skilled master builder I laid a foundation, and someone else is building on it. Each builder must choose with care how to build on it.
 1 Corinthians 3:10

Created, Draft	First Tabling	Review
September 30, 2015	October 15, 2015	
John Volek, Senior Coordinator of Planning, Accountability, and Admissions Mario Silva, Comptroller of Planning and Development 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 rooted in the love of Christ. We educate students to grow in grace and knowledge and to lead lives of faith, hope and charity.



G. Poole
 Associate Director of Academic Affairs

A. Sangiorgio
 Associate Director of Planning and Facilities

Angela Gauthier
 Director of Education

A. EXECUTIVE SUMMARY

The City of Toronto has undertaken a formal review of its existing 44 ward boundaries in an effort to better understand the number of people who live in each boundary and how those numbers are expected to change in the future.

Due to population growth, some of Toronto's ward boundaries are 30% to 40% above the population of an average City ward. Therefore, not every Toronto citizen is being equally represented at City Council.

The population of Toronto's current 44 wards have already been challenged at the Ontario Municipal Board (OMB). This is the reason why the City has embarked upon a formal review of its boundaries. If Toronto does not review the current size and shape of its wards, a new ward structure could be imposed by the OMB without the public's involvement and without City Council approval.

Five (5) different City ward boundary options were developed by a City appointed consultant team after extensive background research. Each option will impact upon the current alignment of TCDSB Trustee ward boundaries—IF the onus is on maintaining alignment with City ward boundaries. The City is now collecting public input on the various boundary options. A final report will be drafted in April or May of 2016 to Executive Committee and City Council for final vote.

Staff have provided a proposed realignment of TCDSB Trustee ward boundaries based on each of the five proposed City ward boundary options, with an emphasis on maintaining, as much as possible, a more equal distribution of schools per Trustee ward.

B. PURPOSE

To bring to the attention of the Board the resulting potential impacts to TCDSB ward boundaries due to possible changes to City of Toronto ward boundaries. Five potential Toronto ward boundary options were carefully assessed for impact to the Board.

C. BACKGROUND

1. The City of Toronto has undertaken a comprehensive review of its current 44 ward boundaries in an effort to better understand the number of people that live in each boundary and how those numbers are expected to change in the future. Natural population growth and decline, new housing development, and immigration are all influencing a growing population imbalance in Toronto's City wards.
2. The current City of Toronto ward boundaries have been in place since 2000 and are generally based on federal electoral districts (ridings) that cover Toronto. Each riding was split to create the current system of 44 wards.
3. A ward boundary review must ensure that boundaries are commonsensical and based on geographic communities of interest (e.g. specific ethno-cultural communities or business communities that reside in the same area), neighbourhoods, physical and natural boundaries (e.g. major roads, ravines, rail lines, etc.), the ward's history, and other relevant considerations.
4. The City of Toronto has indicated that the ward boundaries will not reflect political ambitions of Councillors, how people vote and who votes, the performance of the local Counsellors, or how various City departments operate.
5. "Effective representation" is the main goal in all ward boundary reviews, or in other words: representation-by-population. This is the fundamental principal that all votes should have equal weight, and therefore, the number of people living in each ward should be similar.
6. The City appointed a consultant team ("TWBR") to undertake the research and development of the five ward boundary options under consideration, collect community feedback and listen to concerns, and ultimately produce a final report with recommendations to Executive Committee and City Council for final vote by May of 2016.
7. The consultant team consists of members from the Canadian Urban Institute, Beate Bowron Etcetera, The Davidson Group, and Thomas Ostler. The team was selected in March 2014, following a competitive Request for Proposals (RFP) process.

D. EVIDENCE/RESEARCH/ANALYSIS

1. Background research was performed by the consultant team to examine the legal context for ward boundary reviews, as well as the experience in other Ontario cities and other larger Canadian cities.
2. Major ward boundary reviews were undertaken in a number of large Ontario cities since 2005: Ottawa, Markham, Brampton, and Oakville.
3. Population projections were taken into consideration for future elections in 2018, 2022, 2026, and 2030.
4. Between July 2014 and July 2015, the consultant team gathered input on the current ward characteristics and boundaries. Based on public input, expected population growth and decline (depending on the area), and background research, a series of options for new ward boundaries were developed.
5. As of July 2015, five separate boundary options have been presented to the public that meet the fundamental principal of “effective representation”. Feedback is currently being gathered from the public, various stakeholders, and elected officials.
6. The website: *www.drawthelines.ca* provides useful links to residents interested in specific details around the consultants’ information gathering process, as well as how the five options were ultimately developed.
7. There are literally hundreds of possibilities when developing options for a realigned ward system. To limit the number of options, however, the consultant team focused on “effective representation”, average population size of the current wards projected for 2026, the plus or minus 10% range that the average ward population size allows, and the specific number, or range in number, of wards permitted – as per feedback received from public and stakeholder consultation to date.
8. The five City ward boundary options being considered by the public are:
 - Option 1: “Minimal Change” – **47** proposed wards
 - Option 2: “44 Wards” – **44** proposed **realigned** wards
 - Option 3: “Small Wards” – **58** proposed wards
 - Option 4: “Large Wards” – **38** proposed wards
 - Option 5: “Natural/Physical Boundaries” – **41** proposed wards

9. Under each of the five options identified in detail below, Staff carefully aggregated/combined the proposed City ward boundaries into 12 Trustee ward boundaries with a common focus on trying to maintain an equitable balance of schools per ward, as much as possible and wherever possible. There are cases where an optimum balance is not always possible.

Appendix 'A' provides a map that shows the current Trustee ward boundaries in thick black lines superimposed over the current City ward boundaries in solid pastel colours, as well as a subsequent table outlining the total number of schools and total enrolment (as of October 31st, 2014), by panel, within each existing Trustee ward.

Appendices 'B' to 'F' provide two clearly labelled maps per scenario as well as a subsequent table for a total of 10 maps and 5 tables. The first map for each scenario shows the proposed 12 realigned Trustee ward boundaries in thick black lines superimposed over the proposed City ward boundaries in solid pastel colours. The second map for each scenario provides a colour comparison of the proposed realigned Trustee ward boundaries in thick black lines superimposed over the current Trustee ward boundaries. The second map is intended to show, visually, the proposed changes to each Trustee ward boundary. The table for each scenario outlines the total number schools and total enrolment (as of October 31st, 2014), by panel, within each Trustee ward **before** and **after** realignment.

All maps and other appendices will be distributed in the Board room.

Option 1: “Minimal Change” (*see Appendix 'B'*)

Under City Option 1, Staff carefully aggregated/combined the proposed 47 City ward boundaries into 12 Trustee wards. The following table compares the number of elementary and secondary schools per Trustee currently and after a possible boundary change to reflect 47 new City ward boundaries. *Appendix 'B'* provides a clear map with all schools identified as well as a table outlining the total elementary and secondary enrolment per Trustee ward before and after a possible boundary change.

Trustee Ward	Number of Elementary Schools		Number of Secondary Schools		Total Schools	
	Before	After	Before	After	Before	After
Ward 1	15	18	3	3	18	21
Ward 2	16	13	3	3	19	16
Ward 3	11	14	2	3	13	17
Ward 4	11	14	2	3	13	17
Ward 5	16	11	5	4	21	15
Ward 6	9	12	2	2	11	14
Ward 7	13	15	4	3	17	18
Ward 8	20	17	2	2	22	19
Ward 9	13	11	2	2	15	13
Ward 10	11	12	2	2	13	14
Ward 11	17	15	3	3	20	18
Ward 12	17	17	3	3	20	20

Option 2: “44 Wards” (see Appendix ‘C’)

Under City Option 2, Staff carefully aggregated/combined the proposed realigned 44 City ward boundaries into 12 Trustee wards. The following table compares the number of elementary and secondary schools per Trustee currently and after a possible boundary change to reflect 44 new City ward boundaries. *Appendix ‘C’* provides a clear map with all schools identified as well as a table outlining the total elementary and secondary enrolment per Trustee ward before and after a possible boundary change.

Trustee Ward	Number of Elementary Schools		Number of Secondary Schools		Total Schools	
	Before	After	Before	After	Before	After
Ward 1	15	12	3	3	18	15
Ward 2	16	19	3	3	19	22
Ward 3	11	13	2	4	13	17
Ward 4	11	13	2	3	13	16
Ward 5	16	11	5	4	21	15
Ward 6	9	19	2	2	11	21
Ward 7	13	18	4	2	17	20
Ward 8	20	14	2	2	22	16
Ward 9	13	11	2	3	15	14
Ward 10	11	11	2	2	13	13
Ward 11	17	12	3	3	20	15
Ward 12	17	16	3	2	20	18

Option 3: “Small Wards” (see Appendix ‘D’)

Under City Option 3, Staff carefully aggregated/combined the proposed 58 City ward boundaries into 12 Trustee wards. The following table compares the number of elementary and secondary schools per Trustee currently and after a possible boundary change to reflect 58 new City ward boundaries. Appendix ‘D’ provides a clear map with all schools identified as well as a table outlining the total elementary and secondary enrolment per Trustee ward before and after a possible boundary change.

Trustee Ward	Number of Elementary Schools		Number of Secondary Schools		Total Schools	
	Before	After	Before	After	Before	After
Ward 1	15	14	3	4	18	18
Ward 2	16	18	3	3	19	21
Ward 3	11	10	2	2	13	12
Ward 4	11	14	2	2	13	16
Ward 5	16	11	5	4	21	15
Ward 6	9	14	2	2	11	16
Ward 7	13	15	4	3	17	18
Ward 8	20	20	2	2	22	22
Ward 9	13	12	2	2	15	14
Ward 10	11	11	2	2	13	13
Ward 11	17	15	3	3	20	18
Ward 12	17	15	3	4	20	19

Option 4: “Large Wards” (see Appendix ‘E’)

Under City Option 4, Staff carefully aggregated/combined the proposed 38 City ward boundaries into 12 Trustee wards. The following table compares the number of elementary and secondary schools per Trustee currently and after a possible boundary change to reflect 38 new City ward boundaries. *Appendix ‘E’* provides a clear map with all schools identified as well as a table outlining the total elementary and secondary enrolment per Trustee ward before and after a possible boundary change.

Trustee Ward	Number of Elementary Schools		Number of Secondary Schools		Total Schools	
	Before	After	Before	After	Before	After
Ward 1	15	15	3	3	18	18
Ward 2	16	16	3	3	19	19
Ward 3	11	13	2	4	13	17
Ward 4	11	13	2	3	13	16
Ward 5	16	15	5	5	21	20
Ward 6	9	15	2	1	11	16
Ward 7	13	13	4	1	17	14
Ward 8	20	16	2	2	22	18
Ward 9	13	13	2	3	15	16
Ward 10	11	17	2	3	13	20
Ward 11	17	13	3	3	20	16
Ward 12	17	10	3	2	20	12

Option 5: “Natural/Physical Boundaries” (see Appendix ‘F’)

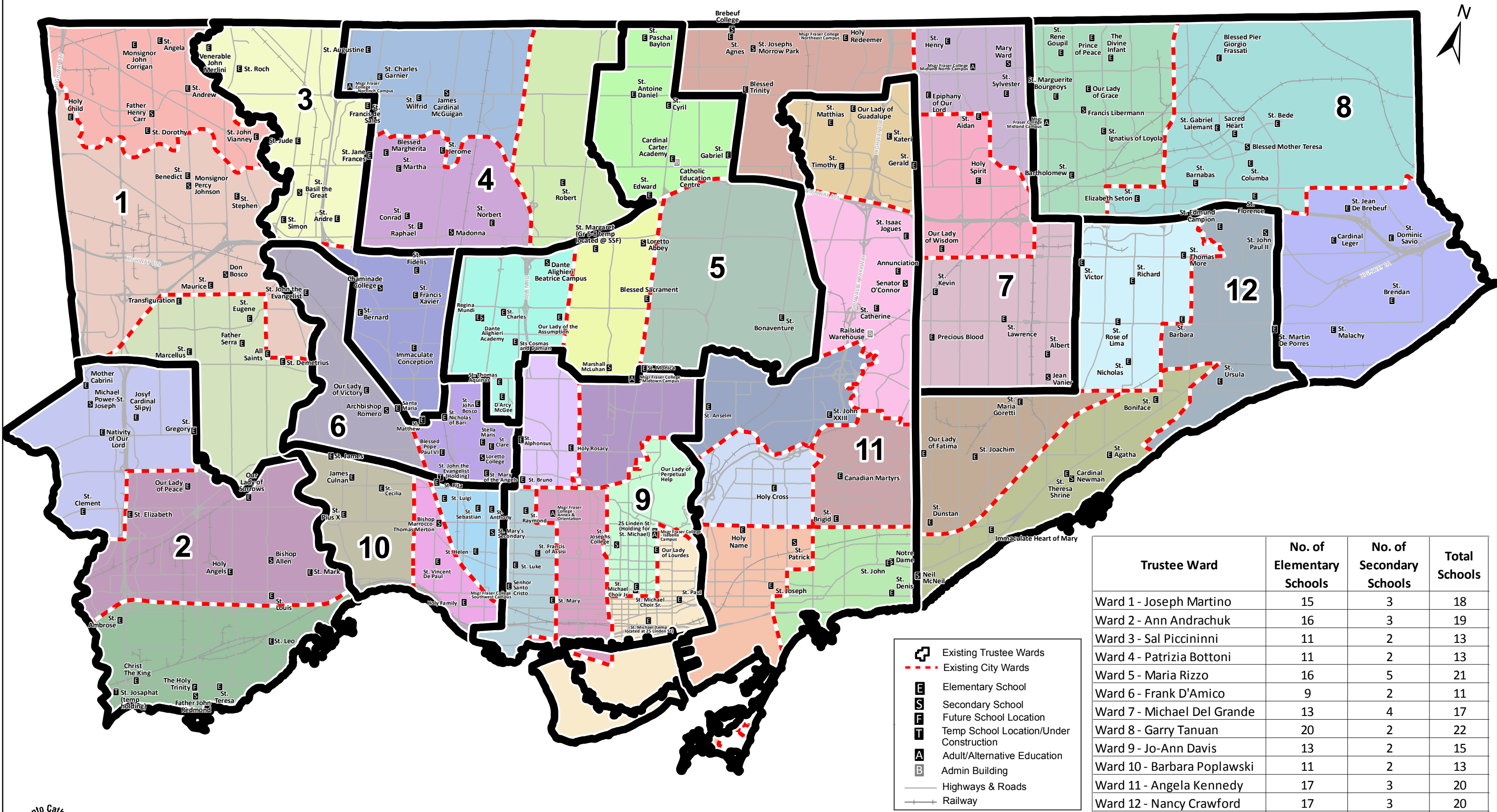
Under City Option 5, Staff carefully aggregated/combined the proposed 41 City ward boundaries into 12 Trustee wards. The following table compares the number of elementary and secondary schools per Trustee currently and after a possible boundary change to reflect 41 new City ward boundaries. Appendix ‘F’ provides a clear map with all schools identified as well as a table outlining the total elementary and secondary enrolment per Trustee ward before and after a possible boundary change.

Trustee Ward	Number of Elementary Schools		Number of Secondary Schools		Total Schools	
	Before	After	Before	After	Before	After
Ward 1	15	19	3	4	18	23
Ward 2	16	16	3	3	19	19
Ward 3	11	14	2	2	13	16
Ward 4	11	13	2	4	13	17
Ward 5	16	14	5	3	21	17
Ward 6	9	13	2	2	11	15
Ward 7	13	11	4	3	17	14
Ward 8	20	13	2	2	22	15
Ward 9	13	13	2	4	15	17
Ward 10	11	16	2	2	13	18
Ward 11	17	11	3	2	20	13
Ward 12	17	16	3	2	20	18

E. STAFF RECOMMENDATION

For information of the Board.

Existing Trustee Wards vs Existing City Wards



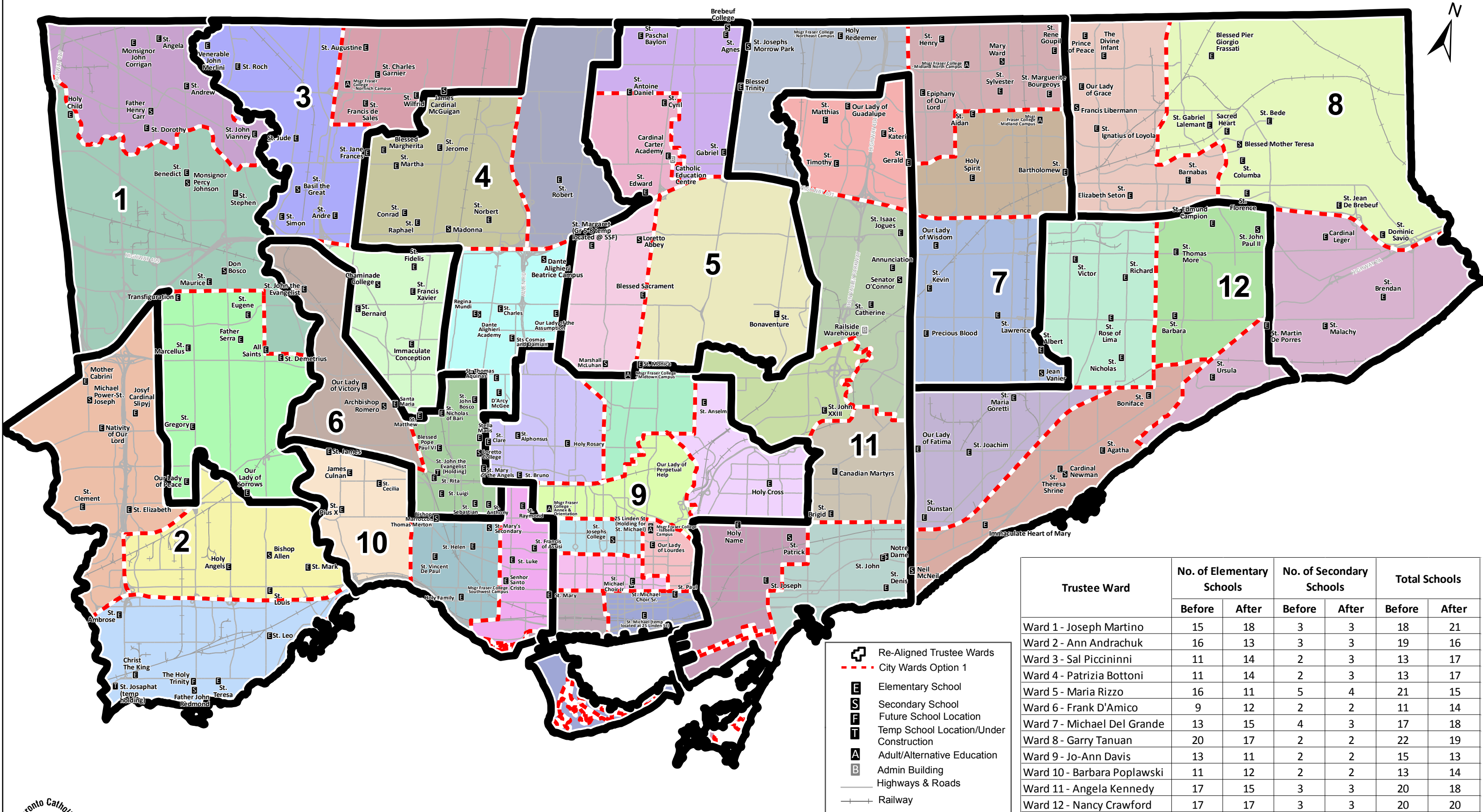
Trustee Ward	No. of Elementary Schools	No. of Secondary Schools	Total Schools
Ward 1 - Joseph Martino	15	3	18
Ward 2 - Ann Andrachuk	16	3	19
Ward 3 - Sal Piccininni	11	2	13
Ward 4 - Patrizia Bottoni	11	2	13
Ward 5 - Maria Rizzo	16	5	21
Ward 6 - Frank D'Amico	9	2	11
Ward 7 - Michael Del Grande	13	4	17
Ward 8 - Garry Tanuan	20	2	22
Ward 9 - Jo-Ann Davis	13	2	15
Ward 10 - Barbara Poplawski	11	2	13
Ward 11 - Angela Kennedy	17	3	20
Ward 12 - Nancy Crawford	17	3	20

Existing Trustee Wards

Trustee Ward	No. of Elementary Schools	No. of Secondary Schools	Total Schools	Elementary Enrolment	Secondary Enrolment	Total Enrolment
Ward 1 - Joseph Martino	15	3	18	6475	2364	8839
Ward 2 - Ann Andrachuk	16	3	19	6023	4638	10661
Ward 3 - Sal Piccininni	11	2	13	5070	2150	7220
Ward 4 - Patrizia Bottoni	11	2	13	5323	1398	6721
Ward 5 - Maria Rizzo	16	5	21	6324	3713	10037
Ward 6 - Frank D'Amico	9	2	11	3308	1290	4598
Ward 7 - Michael Del Grande	13	4	17	3773	3630	7403
Ward 8 - Garry Tanuan	20	2	22	4646	1425	6071
Ward 9 - Jo-Ann Davis	13	2	15	2997	959	3956
Ward 10 - Barbara Poplawski	11	2	13	3734	1576	5310
Ward 11 - Angela Kennedy	17	3	20	5322	2579	7901
Ward 12 - Nancy Crawford	17	3	20	6393	3511	9904
Subtotals	169	33	202	59388	29233	88621

*Enrolment as of October 31, 2014 Trillium data

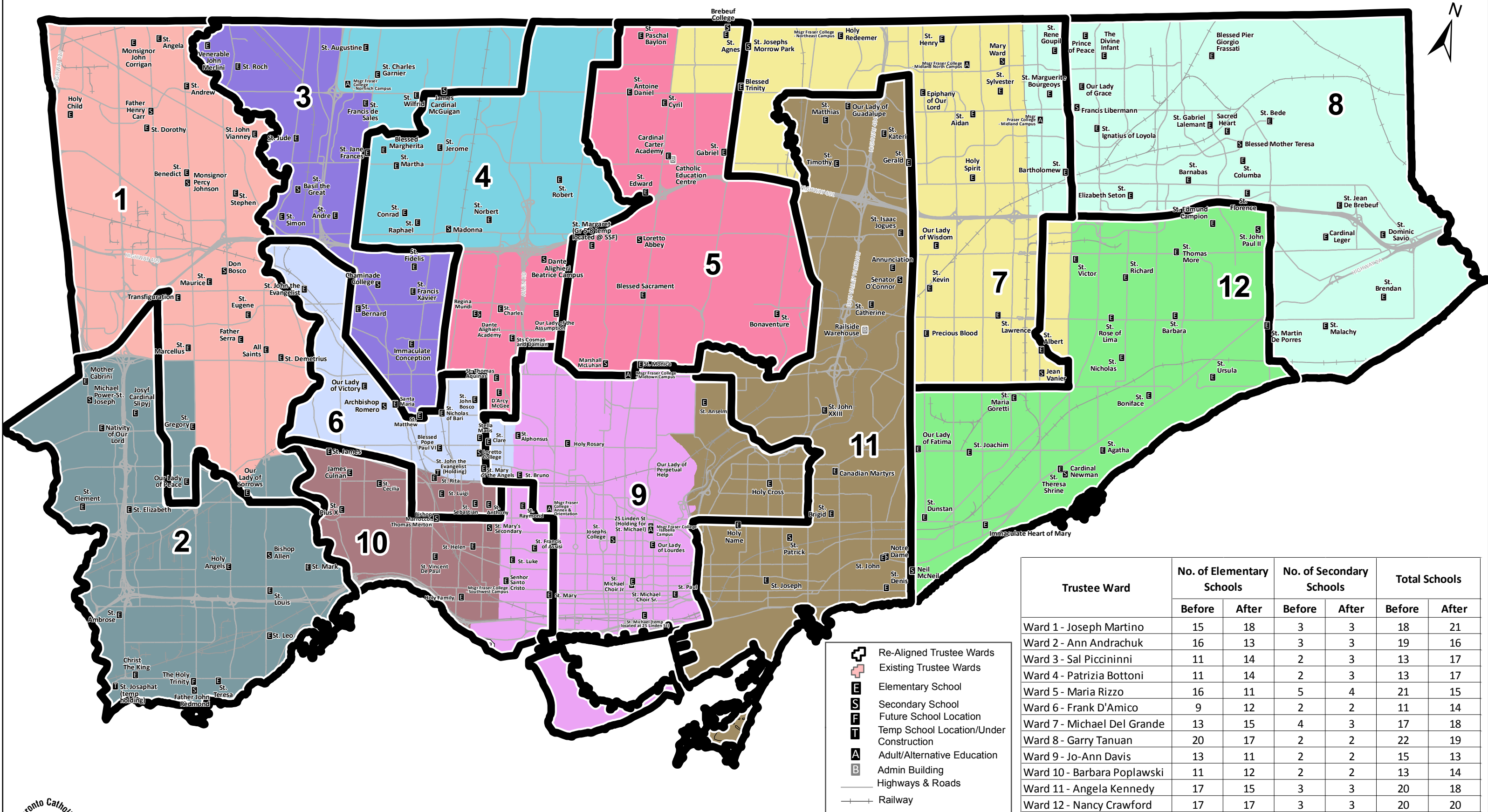
Re-Aligned Trustee Wards For City Wards Option 1: 'Minimal Change' (47 Wards)



Trustee Ward	No. of Elementary Schools		No. of Secondary Schools		Total Schools	
	Before	After	Before	After	Before	After
Ward 1 - Joseph Martino	15	18	3	3	18	21
Ward 2 - Ann Andrachuk	16	13	3	3	19	16
Ward 3 - Sal Piccininni	11	14	2	3	13	17
Ward 4 - Patrizia Bottoni	11	14	2	3	13	17
Ward 5 - Maria Rizzo	16	11	5	4	21	15
Ward 6 - Frank D'Amico	9	12	2	2	11	14
Ward 7 - Michael Del Grande	13	15	4	3	17	18
Ward 8 - Garry Tanuan	20	17	2	2	22	19
Ward 9 - Jo-Ann Davis	13	11	2	2	15	13
Ward 10 - Barbara Poplawski	11	12	2	2	13	14
Ward 11 - Angela Kennedy	17	15	3	3	20	18
Ward 12 - Nancy Crawford	17	17	3	3	20	20



Existing Trustee Wards vs Re-Aligned Trustee Wards For Option 1: 'Minimal Change'



Trustee Ward	No. of Elementary Schools		No. of Secondary Schools		Total Schools	
	Before	After	Before	After	Before	After
Ward 1 - Joseph Martino	15	18	3	3	18	21
Ward 2 - Ann Andrachuk	16	13	3	3	19	16
Ward 3 - Sal Piccininni	11	14	2	3	13	17
Ward 4 - Patrizia Bottoni	11	14	2	3	13	17
Ward 5 - Maria Rizzo	16	11	5	4	21	15
Ward 6 - Frank D'Amico	9	12	2	2	11	14
Ward 7 - Michael Del Grande	13	15	4	3	17	18
Ward 8 - Garry Tanuan	20	17	2	2	22	19
Ward 9 - Jo-Ann Davis	13	11	2	2	15	13
Ward 10 - Barbara Poplawski	11	12	2	2	13	14
Ward 11 - Angela Kennedy	17	15	3	3	20	18
Ward 12 - Nancy Crawford	17	17	3	3	20	20

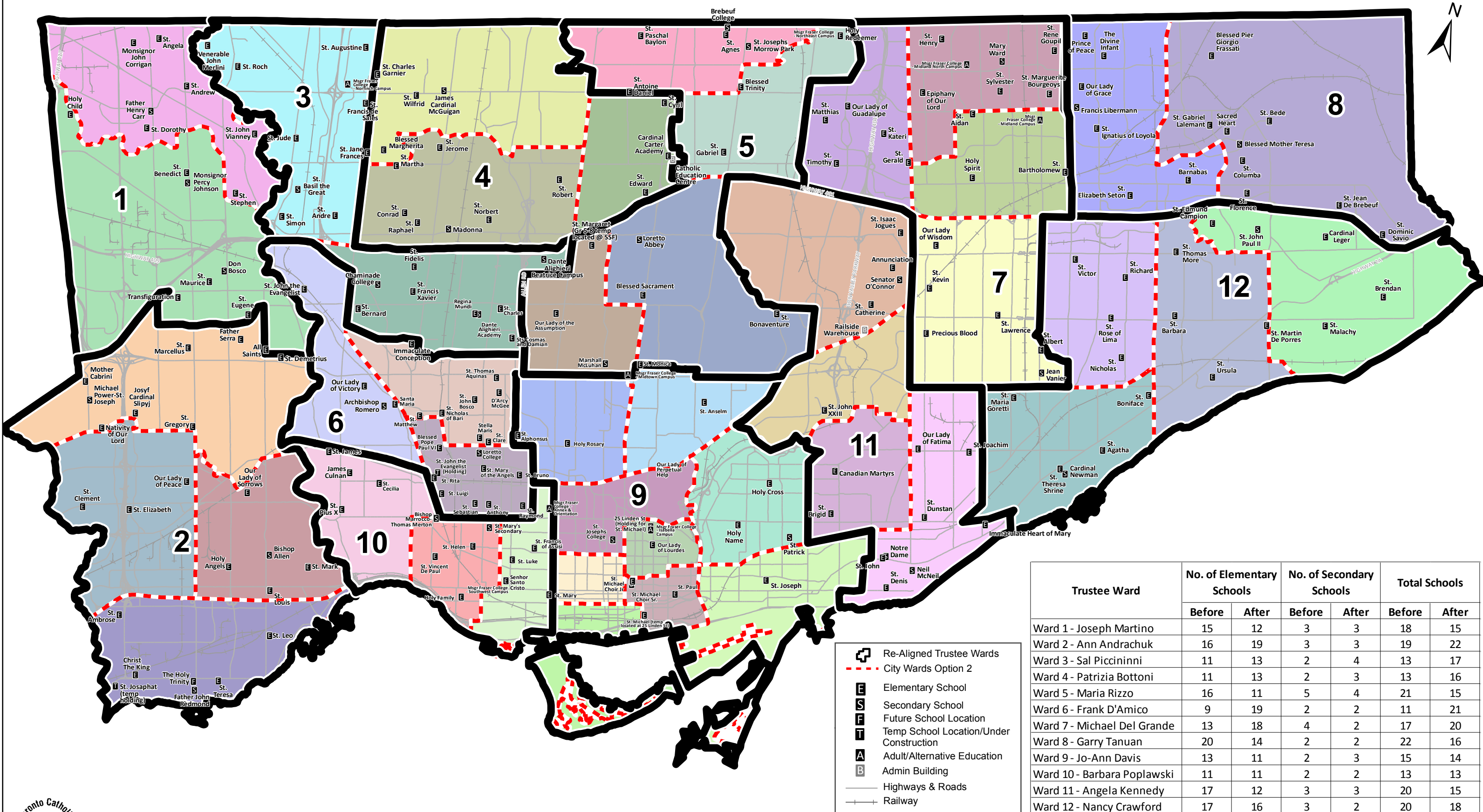


Re-Aligned Trustee Wards for City Wards Option 1: 'Minimal Change'

Trustee Ward	No. of Elementary Schools		No. of Secondary Schools		Total Schools		Elementary Enrolment		Secondary Enrolment		Total Enrolment	
	Before	After	Before	After	Before	After	Before	After	Before	After	Before	After
Ward 1 - Joseph Martino	15	18	3	3	18	21	6475	8587	2364	2364	8839	10951
Ward 2 - Ann Andrachuk	16	13	3	3	19	16	6023	3911	4638	4638	10661	8549
Ward 3 - Sal Piccininni	11	14	2	3	13	17	5070	6711	2150	2933	7220	9644
Ward 4 - Patrizia Bottoni	11	14	2	3	13	17	5323	6028	1398	1664	6721	7692
Ward 5 - Maria Rizzo	16	11	5	4	21	15	6324	4259	3713	3730	10037	7989
Ward 6 - Frank D'Amico	9	12	2	2	11	14	3308	3751	1290	1290	4598	5041
Ward 7 - Michael Del Grande	13	15	4	3	17	18	3773	3812	3630	2564	7403	6376
Ward 8 - Garry Tanuan	20	17	2	2	22	19	4646	4326	1425	1425	6071	5751
Ward 9 - Jo-Ann Davis	13	11	2	2	15	13	2997	3261	959	959	3956	4220
Ward 10 - Barbara Poplawski	11	12	2	2	13	14	3734	3757	1576	1576	5310	5333
Ward 11 - Angela Kennedy	17	15	3	3	20	18	5322	4592	2579	2579	7901	7171
Ward 12 - Nancy Crawford	17	17	3	3	20	20	6393	6393	3511	3511	9904	9904
Subtotals	169		33		202		59388		29233		88621	

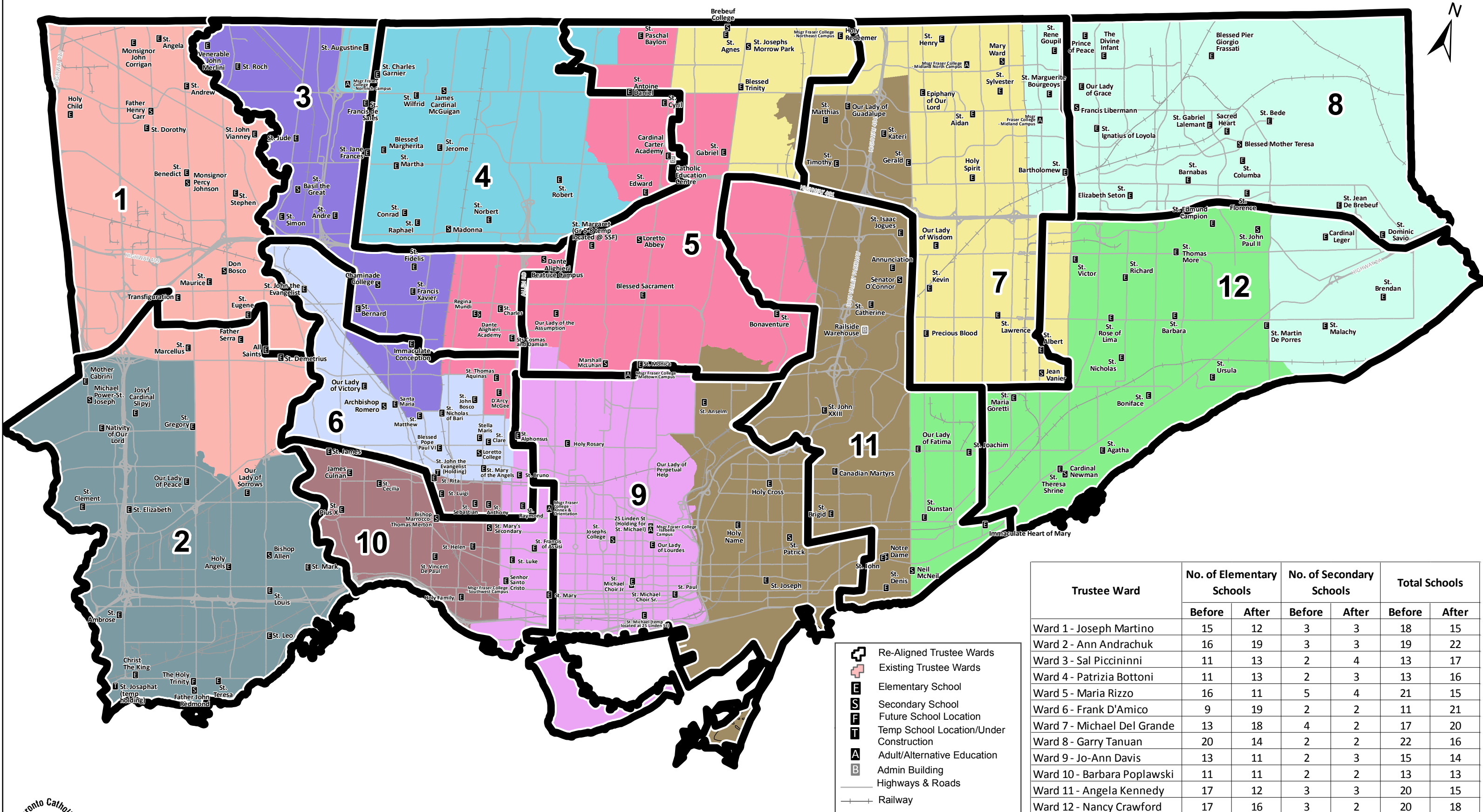
*Enrolment as of October 31, 2014 Trillium data

Re-Aligned Trustee Wards For City Wards Option 2: '44 Wards'



Trustee Ward	No. of Elementary Schools		No. of Secondary Schools		Total Schools	
	Before	After	Before	After	Before	After
Ward 1 - Joseph Martino	15	12	3	3	18	15
Ward 2 - Ann Andrachuk	16	19	3	3	19	22
Ward 3 - Sal Piccininni	11	13	2	4	13	17
Ward 4 - Patrizia Bottoni	11	13	2	3	13	16
Ward 5 - Maria Rizzo	16	11	5	4	21	15
Ward 6 - Frank D'Amico	9	19	2	2	11	21
Ward 7 - Michael Del Grande	13	18	4	2	17	20
Ward 8 - Garry Tanuan	20	14	2	2	22	16
Ward 9 - Jo-Ann Davis	13	11	2	3	15	14
Ward 10 - Barbara Poplawski	11	11	2	2	13	13
Ward 11 - Angela Kennedy	17	12	3	3	20	15
Ward 12 - Nancy Crawford	17	16	3	2	20	18

Existing Trustee Wards vs Re-Aligned Trustee Wards For Option 2: '44 Wards'



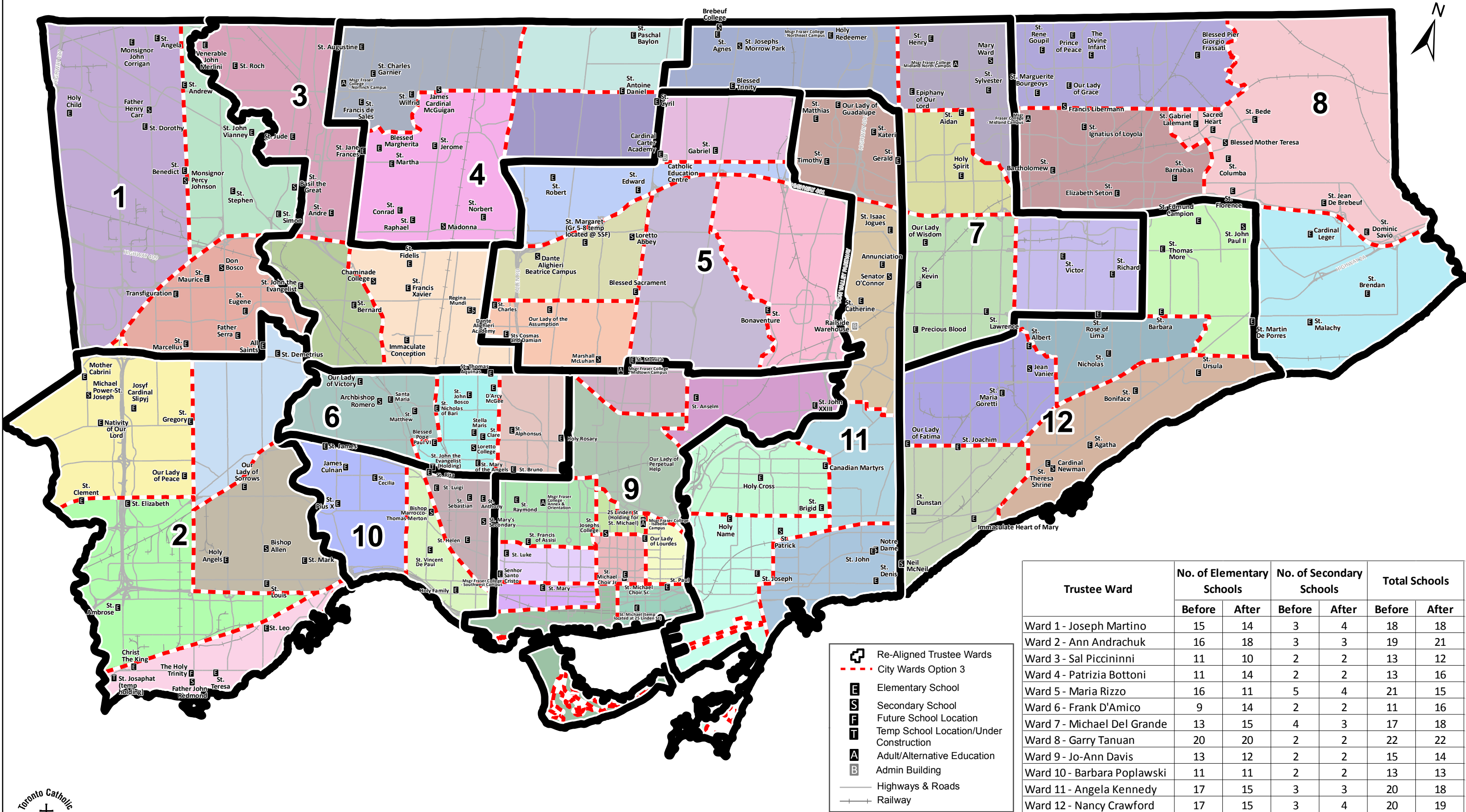
Trustee Ward	No. of Elementary Schools		No. of Secondary Schools		Total Schools	
	Before	After	Before	After	Before	After
Ward 1 - Joseph Martino	15	12	3	3	18	15
Ward 2 - Ann Andrachuk	16	19	3	3	19	22
Ward 3 - Sal Piccininni	11	13	2	4	13	17
Ward 4 - Patrizia Bottoni	11	13	2	3	13	16
Ward 5 - Maria Rizzo	16	11	5	4	21	15
Ward 6 - Frank D'Amico	9	19	2	2	11	21
Ward 7 - Michael Del Grande	13	18	4	2	17	20
Ward 8 - Garry Tanuan	20	14	2	2	22	16
Ward 9 - Jo-Ann Davis	13	11	2	3	15	14
Ward 10 - Barbara Poplawski	11	11	2	2	13	13
Ward 11 - Angela Kennedy	17	12	3	3	20	15
Ward 12 - Nancy Crawford	17	16	3	2	20	18

Re-Aligned Trustee Wards for City Wards Option 2: '44 Wards'

Trustee Ward	No. of Elementary Schools		No. of Secondary Schools		Total Schools		Elementary Enrolment		Secondary Enrolment		Total Enrolment	
	Before	After	Before	After	Before	After	Before	After	Before	After	Before	After
Ward 1 - Joseph Martino	15	12	3	3	18	15	6475	5385	2364	2364	8839	7749
Ward 2 - Ann Andrachuk	16	19	3	3	19	22	6023	7113	4638	4638	10661	11751
Ward 3 - Sal Piccininni	11	13	2	4	13	17	5070	5670	2150	3199	7220	8869
Ward 4 - Patrizia Bottoni	11	13	2	3	13	16	5323	5584	1398	2091	6721	7675
Ward 5 - Maria Rizzo	16	11	5	4	21	15	6324	4036	3713	3538	10037	7574
Ward 6 - Frank D'Amico	9	19	2	2	11	21	3308	6441	1290	1290	4598	7731
Ward 7 - Michael Del Grande	13	18	4	2	17	20	3773	4915	3630	2063	7403	6978
Ward 8 - Garry Tanuan	20	14	2	2	22	16	4646	3097	1425	1425	6071	4522
Ward 9 - Jo-Ann Davis	13	11	2	3	15	14	2997	3190	959	1626	3956	4816
Ward 10 - Barbara Poplawski	11	11	2	2	13	13	3734	3598	1576	1576	5310	5174
Ward 11 - Angela Kennedy	17	12	3	3	20	15	5322	4182	2579	2780	7901	6962
Ward 12 - Nancy Crawford	17	16	3	2	20	18	6393	6177	3511	2643	9904	8820
Subtotals	169		33		202		59388		29233		88621	

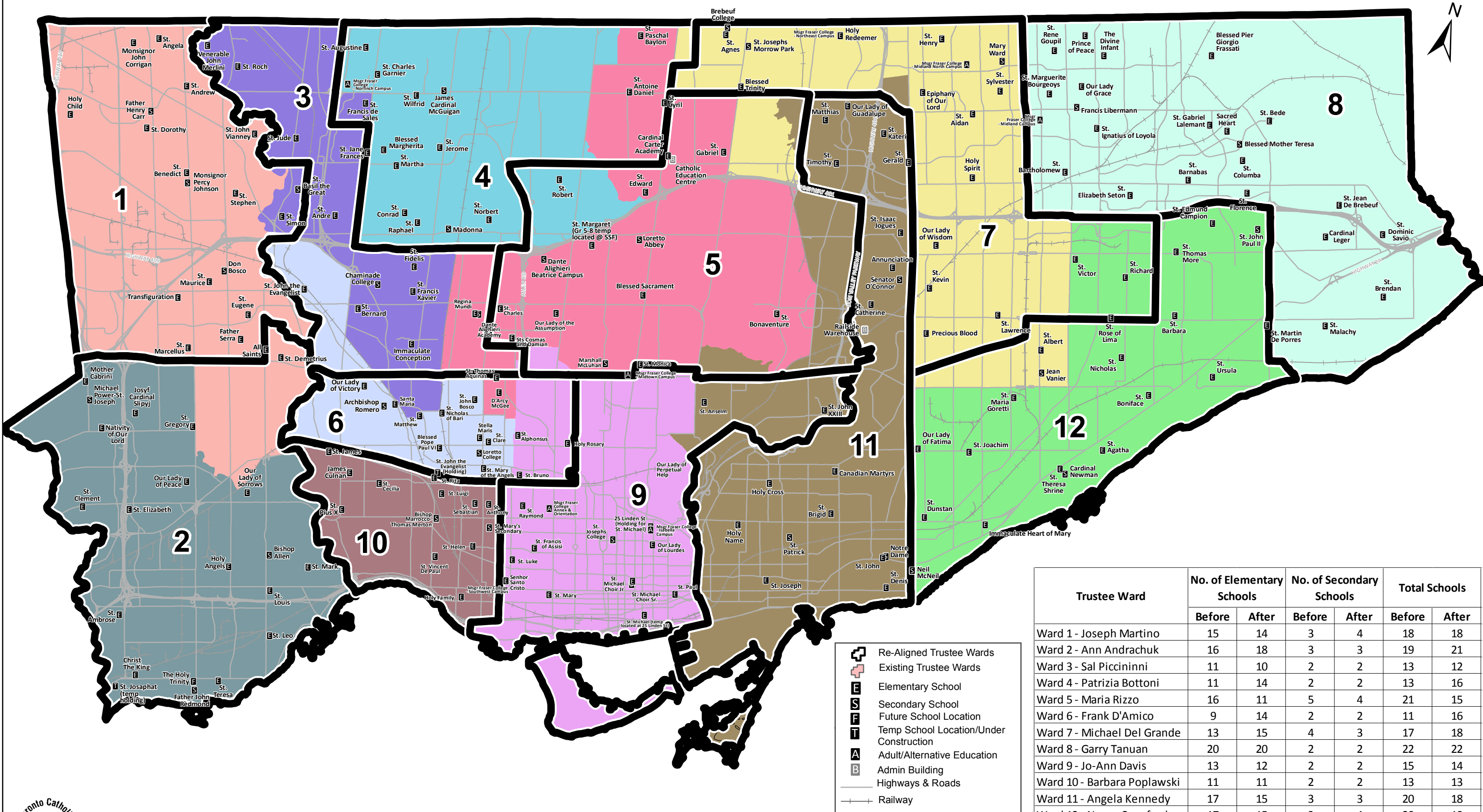
*Enrolment as of October 31, 2014 Trillium data

Re-Aligned Trustee Wards For City Wards Option 3: 'Small Wards' (58 Wards)



Trustee Ward	No. of Elementary Schools		No. of Secondary Schools		Total Schools	
	Before	After	Before	After	Before	After
Ward 1 - Joseph Martino	15	14	3	4	18	18
Ward 2 - Ann Andrachuk	16	18	3	3	19	21
Ward 3 - Sal Piccininni	11	10	2	2	13	12
Ward 4 - Patrizia Bottoni	11	14	2	2	13	16
Ward 5 - Maria Rizzo	16	11	5	4	21	15
Ward 6 - Frank D'Amico	9	14	2	2	11	16
Ward 7 - Michael Del Grande	13	15	4	3	17	18
Ward 8 - Garry Tanuan	20	20	2	2	22	22
Ward 9 - Jo-Ann Davis	13	12	2	2	15	14
Ward 10 - Barbara Poplawski	11	11	2	2	13	13
Ward 11 - Angela Kennedy	17	15	3	3	20	18
Ward 12 - Nancy Crawford	17	15	3	4	20	19

Existing Trustee Wards vs Re-Aligned Trustee Wards For Option 3: 'Small Wards'



- Re-Aligned Trustee Wards
- Existing Trustee Wards
- Elementary School
- Secondary School
- Future School Location
- Temp School Location/Under Construction
- Adult/Alternative Education
- Admin Building
- Highways & Roads
- Railway

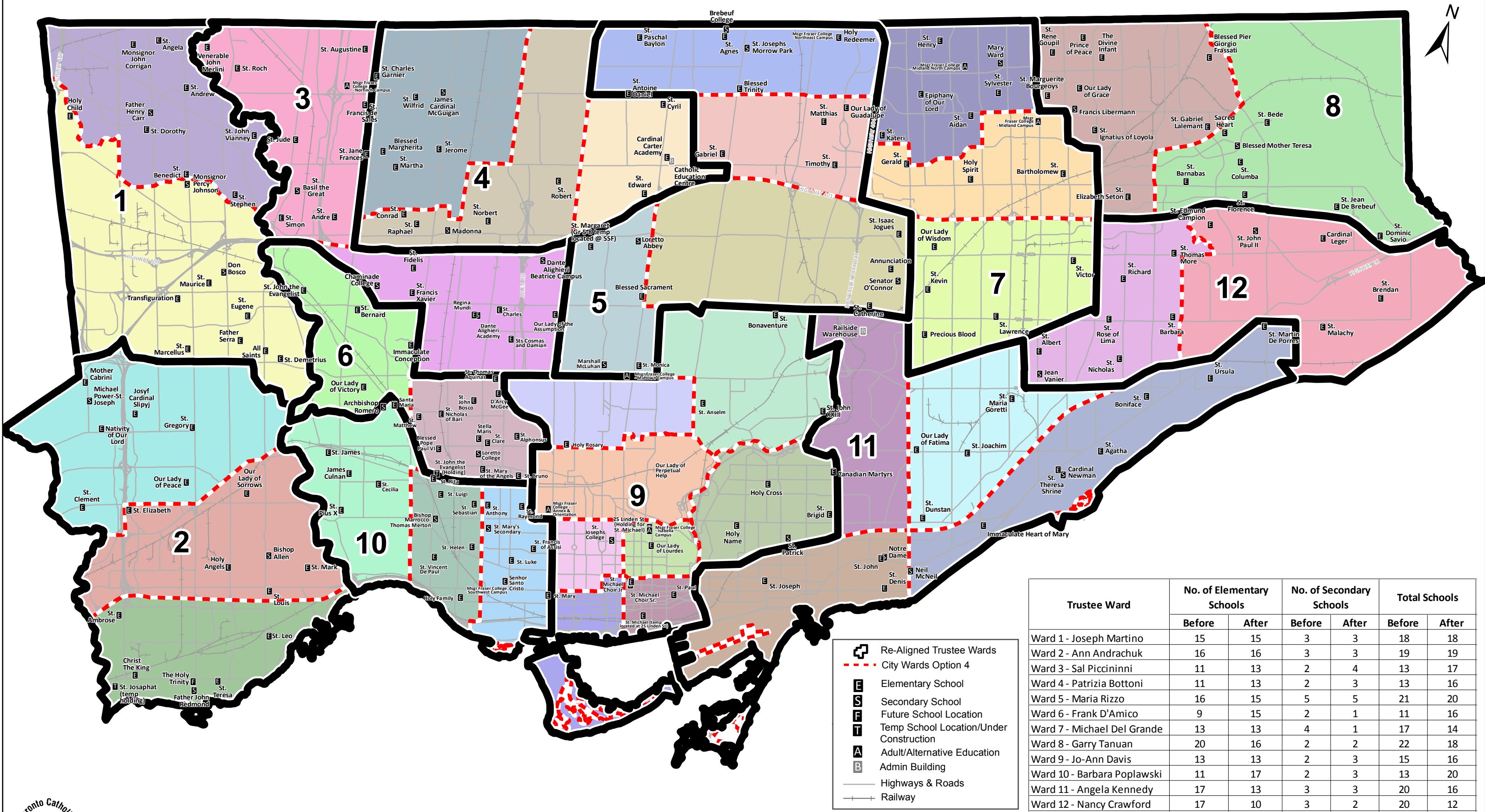
Trustee Ward	No. of Elementary Schools		No. of Secondary Schools		Total Schools	
	Before	After	Before	After	Before	After
Ward 1 - Joseph Martino	15	14	3	4	18	18
Ward 2 - Ann Andrachuk	16	18	3	3	19	21
Ward 3 - Sal Piccininni	11	10	2	2	13	12
Ward 4 - Patrizia Bottoni	11	14	2	2	13	16
Ward 5 - Maria Rizzo	16	11	5	4	21	15
Ward 6 - Frank D'Amico	9	14	2	2	11	16
Ward 7 - Michael Del Grande	13	15	4	3	17	18
Ward 8 - Garry Tanuan	20	20	2	2	22	22
Ward 9 - Jo-Ann Davis	13	12	2	2	15	14
Ward 10 - Barbara Poplawski	11	11	2	2	13	13
Ward 11 - Angela Kennedy	17	15	3	3	20	18
Ward 12 - Nancy Crawford	17	15	3	4	20	19

Re-Aligned Trustee Wards for City Wards Option 3: 'Small Wards'

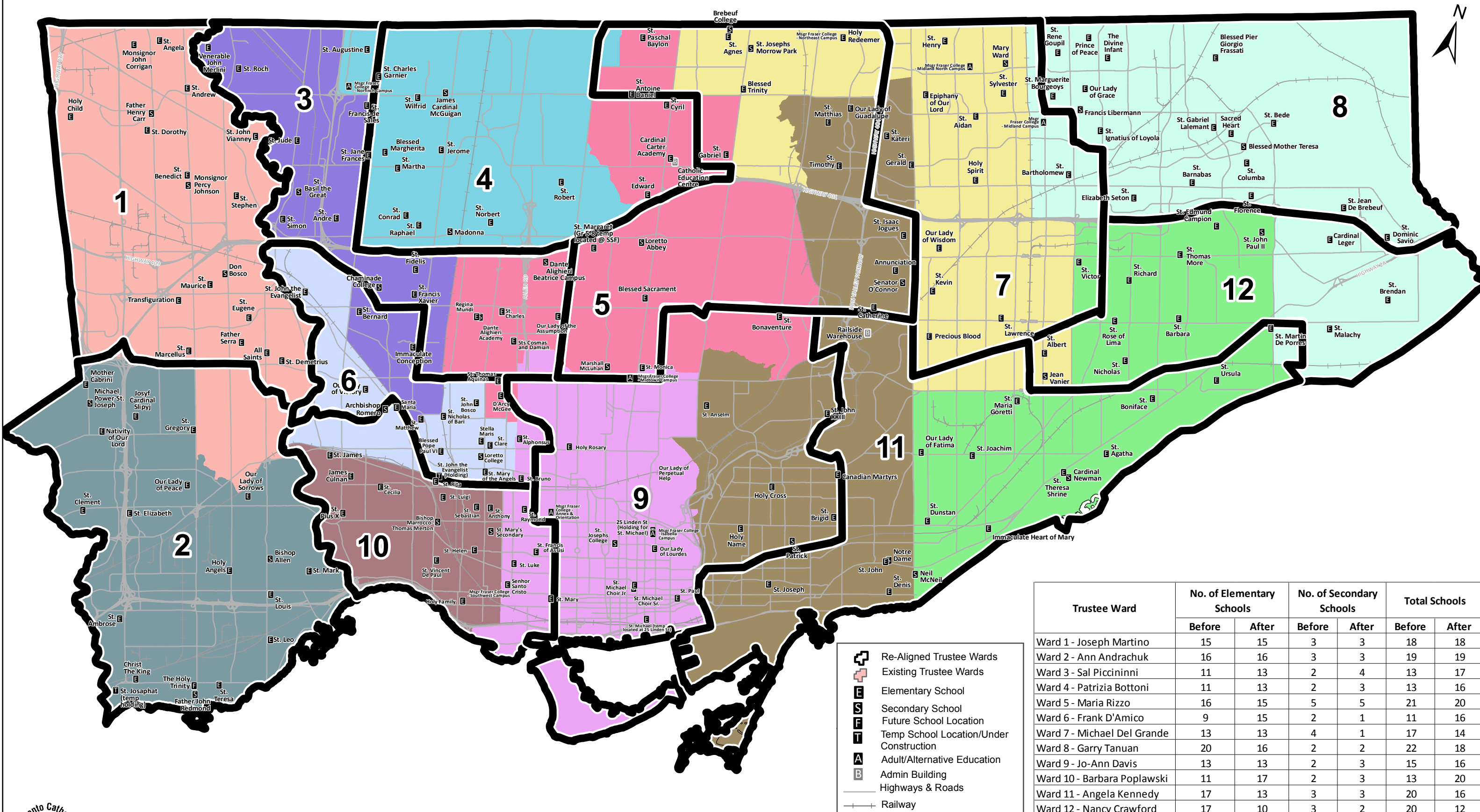
Trustee Ward	No. of Elementary Schools		No. of Secondary Schools		Total Schools		Elementary Enrolment		Secondary Enrolment		Total Enrolment	
	Before	After	Before	After	Before	After	Before	After	Before	After	Before	After
Ward 1 - Joseph Martino	15	14	3	4	18	18	6475	5821	2364	3606	8839	9427
Ward 2 - Ann Andrachuk	16	18	3	3	19	21	6023	7130	4638	4638	10661	11768
Ward 3 - Sal Piccininni	11	10	2	2	13	12	5070	4052	2150	1957	7220	6009
Ward 4 - Patrizia Bottoni	11	14	2	2	13	16	5323	6458	1398	1398	6721	7856
Ward 5 - Maria Rizzo	16	11	5	4	21	15	6324	4248	3713	2664	10037	6912
Ward 6 - Frank D'Amico	9	14	2	2	11	16	3308	5364	1290	1290	4598	6654
Ward 7 - Michael Del Grande	13	15	4	3	17	18	3773	4436	3630	2634	7403	7070
Ward 8 - Garry Tanuan	20	20	2	2	22	22	4646	4646	1425	1425	6071	6071
Ward 9 - Jo-Ann Davis	13	12	2	2	15	14	2997	3225	959	959	3956	4184
Ward 10 - Barbara Poplawski	11	11	2	2	13	13	3734	3734	1576	1576	5310	5310
Ward 11 - Angela Kennedy	17	15	3	3	20	18	5322	4544	2579	2579	7901	7123
Ward 12 - Nancy Crawford	17	15	3	4	20	19	6393	5730	3511	4507	9904	10237
Subtotals	169		33		202		59388		29233		88621	

*Enrolment as of October 31, 2014 Trillium data

Re-Aligned Trustee Wards For City Wards Option 4: 'Large Wards' (38 Wards)



Existing Trustee Wards vs Re-Aligned Trustee Wards For Option 4: 'Large Wards'



- Re-Aligned Trustee Wards
- Existing Trustee Wards
- Elementary School
- Secondary School
- Future School Location
- Temp School Location/Under Construction
- Adult/Alternative Education
- Admin Building
- Highways & Roads
- Railway

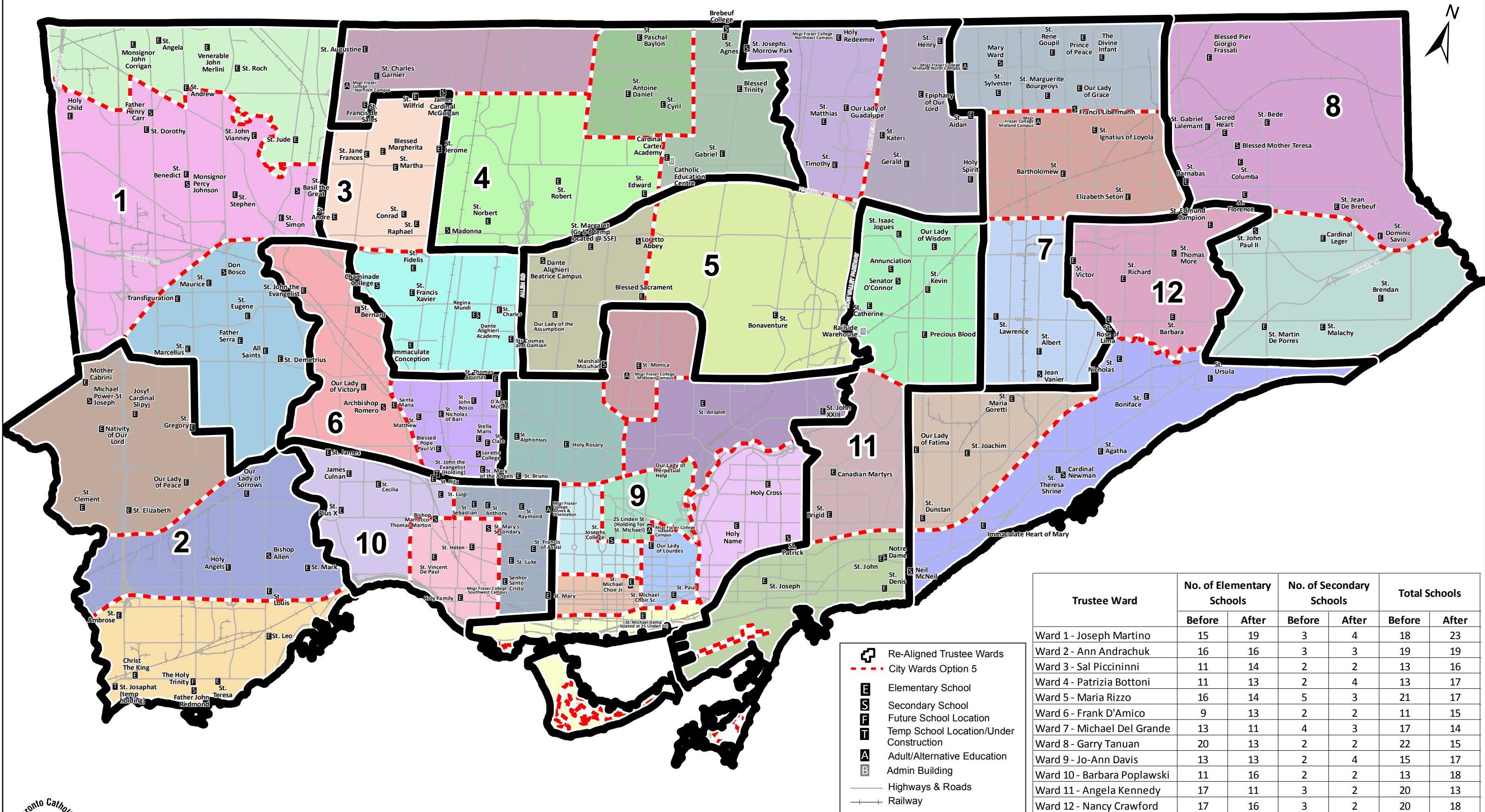
Trustee Ward	No. of Elementary Schools		No. of Secondary Schools		Total Schools	
	Before	After	Before	After	Before	After
Ward 1 - Joseph Martino	15	15	3	3	18	18
Ward 2 - Ann Andrachuk	16	16	3	3	19	19
Ward 3 - Sal Piccininni	11	13	2	4	13	17
Ward 4 - Patrizia Bottoni	11	13	2	3	13	16
Ward 5 - Maria Rizzo	16	15	5	5	21	20
Ward 6 - Frank D'Amico	9	15	2	1	11	16
Ward 7 - Michael Del Grande	13	13	4	1	17	14
Ward 8 - Garry Tanuan	20	16	2	2	22	18
Ward 9 - Jo-Ann Davis	13	13	2	3	15	16
Ward 10 - Barbara Poplawski	11	17	2	3	13	20
Ward 11 - Angela Kennedy	17	13	3	3	20	16
Ward 12 - Nancy Crawford	17	10	3	2	20	12

Re-Aligned Trustee Wards for City Wards Option 4: 'Large Wards'

Trustee Ward	No. of Elementary Schools		No. of Secondary Schools		Total Schools		Elementary Enrolment		Secondary Enrolment		Total Enrolment	
	Before	After	Before	After	Before	After	Before	After	Before	After	Before	After
Ward 1 - Joseph Martino	15	15	3	3	18	18	6475	6475	2364	2364	8839	8839
Ward 2 - Ann Andrachuk	16	16	3	3	19	19	6023	6023	4638	4638	10661	10661
Ward 3 - Sal Piccininni	11	13	2	4	13	17	5070	5337	2150	3199	7220	8536
Ward 4 - Patrizia Bottoni	11	13	2	3	13	16	5323	5584	1398	2091	6721	7675
Ward 5 - Maria Rizzo	16	15	5	5	21	20	6324	4872	3713	4746	10037	9618
Ward 6 - Frank D'Amico	9	15	2	1	11	16	3308	6063	1290	549	4598	6612
Ward 7 - Michael Del Grande	13	13	4	1	17	14	3773	3641	3630	1067	7403	4708
Ward 8 - Garry Tanuan	20	16	2	2	22	18	4646	3309	1425	1425	6071	4734
Ward 9 - Jo-Ann Davis	13	13	2	3	15	16	2997	4439	959	1626	3956	6065
Ward 10 - Barbara Poplawski	11	17	2	3	13	20	3734	4917	1576	2317	5310	7234
Ward 11 - Angela Kennedy	17	13	3	3	20	16	5322	4996	2579	2827	7901	7823
Ward 12 - Nancy Crawford	17	10	3	2	20	12	6393	3732	3511	2384	9904	6116
Subtotals	169		33		202		59388		29233		88621	

*Enrolment as of October 31, 2014 Trillium data

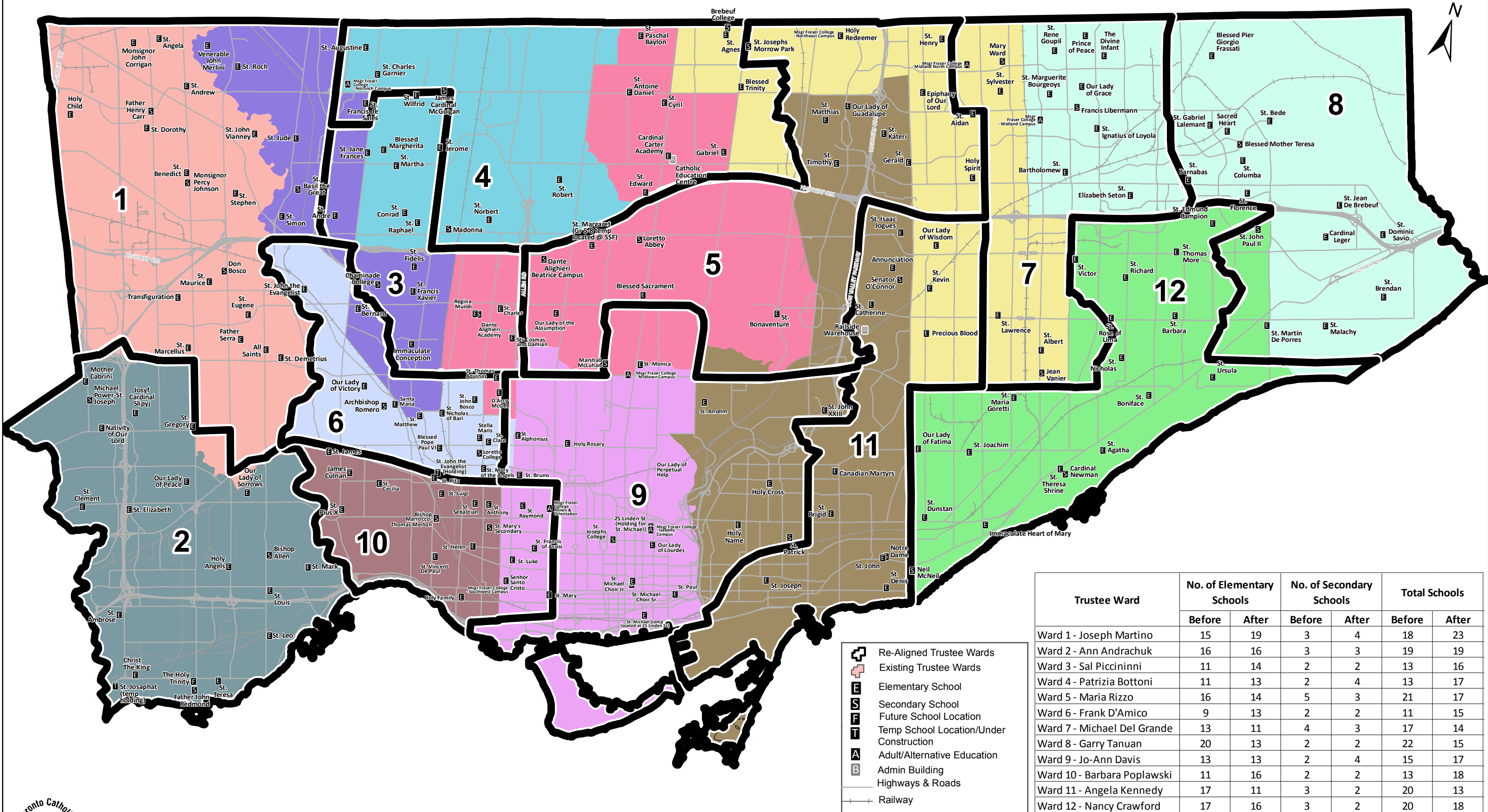
Re-Aligned Trustee Wards For City Wards Option 5: 'Natural/Physical Boundaries' (41 Wards)



Trustee Ward	No. of Elementary Schools		No. of Secondary Schools		Total Schools	
	Before	After	Before	After	Before	After
Ward 1 - Joseph Martino	15	19	3	4	18	23
Ward 2 - Ann Andrachuk	16	16	3	3	19	19
Ward 3 - Sal Piccininni	11	14	2	2	13	16
Ward 4 - Patrizia Bottoni	11	13	2	4	13	17
Ward 5 - Maria Rizzo	16	14	5	3	21	17
Ward 6 - Frank D'Amico	9	13	2	2	11	15
Ward 7 - Michael Del Grande	13	11	4	3	17	14
Ward 8 - Garry Tanuan	20	13	2	2	22	15
Ward 9 - Jo-Ann Davis	13	13	2	4	15	17
Ward 10 - Barbara Poplawski	11	16	2	2	13	18
Ward 11 - Angela Kennedy	17	11	3	2	20	13
Ward 12 - Nancy Crawford	17	16	3	2	20	18



Existing Trustee Wards vs Re-Aligned Trustee Wards For Option 5: 'Natural/Physical Boundaries'



Trustee Ward	No. of Elementary Schools		No. of Secondary Schools		Total Schools	
	Before	After	Before	After	Before	After
Ward 1 - Joseph Martino	15	19	3	4	18	23
Ward 2 - Ann Andrachuk	16	16	3	3	19	19
Ward 3 - Sal Piccininni	11	14	2	2	13	16
Ward 4 - Patrizia Bottoni	11	13	2	4	13	17
Ward 5 - Maria Rizzo	16	14	5	3	21	17
Ward 6 - Frank D'Amico	9	13	2	2	11	15
Ward 7 - Michael Del Grande	13	11	4	3	17	14
Ward 8 - Garry Tanuan	20	13	2	2	22	15
Ward 9 - Jo-Ann Davis	13	13	2	4	15	17
Ward 10 - Barbara Poplawski	11	16	2	2	13	18
Ward 11 - Angela Kennedy	17	11	3	2	20	13
Ward 12 - Nancy Crawford	17	16	3	2	20	18



TCDSB Planning Services
September 2015

0 3.5 7 Km

Re-Aligned Trustee Wards for City Wards Option 5: 'Natural/Physical Boundaries'

Trustee Ward	No. of Elementary Schools		No. of Secondary Schools		Total Schools		Elementary Enrolment		Secondary Enrolment		Total Enrolment	
	Before	After	Before	After	Before	After	Before	After	Before	After	Before	After
Ward 1 - Joseph Martino	15	19	3	4	18	23	6475	8327	2364	3606	8839	11933
Ward 2 - Ann Andrachuk	16	16	3	3	19	19	6023	6023	4638	4638	10661	10661
Ward 3 - Sal Piccininni	11	14	2	2	13	16	5070	6061	2150	1957	7220	8018
Ward 4 - Patrizia Bottoni	11	13	2	4	13	17	5323	4884	1398	3157	6721	8041
Ward 5 - Maria Rizzo	16	14	5	3	21	17	6324	4474	3713	1466	10037	5940
Ward 6 - Frank D'Amico	9	13	2	2	11	15	3308	5490	1290	1290	4598	6780
Ward 7 - Michael Del Grande	13	11	4	3	17	14	3773	2441	3630	2918	7403	5359
Ward 8 - Garry Tanuan	20	13	2	2	22	15	4646	3594	1425	1958	6071	5552
Ward 9 - Jo-Ann Davis	13	13	2	4	15	17	2997	3747	959	2632	3956	6379
Ward 10 - Barbara Poplawski	11	16	2	2	13	18	3734	4677	1576	1576	5310	6253
Ward 11 - Angela Kennedy	17	11	3	2	20	13	5322	3583	2579	1912	7901	5495
Ward 12 - Nancy Crawford	17	16	3	2	20	18	6393	6087	3511	2123	9904	8210
Subtotals	169		33		202		59388		29233		88621	

*Enrolment as of October 31, 2014 Trillium data

APPENDIX 'F'

PENDING LIST AND ROLLING CALENDAR AS OF OCTOBER 8, 2015

#	Date Requested	Due Date	Committee/Board	Subject	Delegated To
5	Oct-13	Feb-2014 R - May-15 R - Dec -15	Corporate Affairs	Report that outlines a strategy that will address housing those students that represent over enrolment at Our Lady of Wisdom for the 2014 school year and look at providing possible caps/boundaries including French Immersion for over-subscribed schools when the Admissions Policy comes back for review. Report regarding French Immersion Program: Recommendations for Oversubscribed FI Program Schools - that St. Cyril be referred back to staff as an oversubscribed French Immersion program school and possible solutions. Report regarding the feasibility of establishing a French Immersion Program at St. Conrad Catholic School to be included in the report to come to Board	Associate Director Academic Affairs
6	Mar-14	Jun-2014 R - Jan 2015 R - Dec-15	Corporate Affairs	That the director initiate meetings with community colleges and high schools that provide culinary programs to pursue educational opportunities and report back to the Board	Associate Director, Academic Affairs
7	Jun-14	Aug-15	Corporate Affairs	Report regarding compliance, risks and any operational changes that will impact our school communities with respect to the FAQs and Canada's Anti-Spam Law (CASL) and Canadian Educational Advancement	Legal Counsel
8	Dec-14	Deferred until such time that deficit is under control	Corporate Affairs	Report regarding System-Wide Approach to Digital School Signage	Associate Director of Planning and Facilities
9	Dec-14	Sep-15	Corporate Affairs	Information and Communications Technology Update Supplementary Report with information on the cost and benefit analysis of i) completed projects ii) projects in progress and iii) projects awaiting funding	Business Services
10	Dec-14	Sep-15	Corporate Affairs	Report on how the money that was allocated by Trustees to their individual wards was used or whether the principals or CSACs directed the money elsewhere.	Business Services
11	Jan-15	Oct-15	Corporate Affairs	Plan to reduce under-utilized (small schools) with less than a 65% utilization rate.	Associate Director Planning and Facilities
12	Feb-15	Aug-15	Corporate Affairs	Report on Bill 8 into law, the impacts (short and-long-term) and potential risks (financial, legal, operational, reputational) to both the Corporate Board and the Board	General Counsel
13	Feb-14	Apr-2015 R - August 15	Corporate Affairs	Report regarding Breakdown of the funding subsidies that exists and the amounts with respect to the Permit Policy	Associate Director of Planning and Facilities

16	Apr-15	Ongoing	Corporate Affairs	Staff prepare a report comparing the TDSB budget and identify any possible reductions in expenditures to the TCDSB: Some of the areas include the following: Reduction in overtime in Facility Services, Facilities productivity savings, Non-school based staffing reductions through attrition, Transportation alignment of costs, Efficiencies in Permit Department, Attendance Management, Efficiencies in Payroll Services, Policy Review of mileage claims	Associate Director of Planning and Facilities
17	Apr-15	Aug-15	Corporate Affairs	Staff prepare a report on drafting a new permit rate for external organizations seeking to use our school spaces with a projected increase in revenue of \$500,000.	Associate Director of Planning and Facilities
25	15-Sep	15-Oct	Corporate Affairs	Report regarding City of Toronto Ward Boundary Review, impact on	
26	15-Sep	Nov-15	Corporate Affairs	Report regarding status of analysis of small/undersized gyms, and students for a study of, and reflection on, Pope Francis's Encyclical letter Laudato Si on the "Care for our Common Home" which responds to both needs	

ANNUAL REPORTS

#	Due Date	Committee/Board	Subject	Responsibility of
1	January (A)	Student Achievement	Mental Health Report	Associate Director Academic Affairs
2	January (A)	Corporate Affairs	Monthly Financial Report	Associate Director Business Services
3	February (A)	Student Achievement	External Research Report	Associate Director Academic Affairs
4	February (A)	Student Achievement	Accountability Framework for Special Education	Associate Director Academic Affairs
5	February (A)	Corporate Affairs	Planning Enrolment Projection	Associate Director of Planning and Facilities
6	February (A)	Corporate Affairs	Legal Fees Report	Associate Director Business Services
7	February (A)	Corporate Affairs	Statement Reserves Accumulated Surplus	Associate Director Business Services
8	February (A)	Corporate Affairs	Monthly Financial Report	Associate Director Business Services
9	February (A)	Regular Board	Policy Budget Timeline and Public Consultation Survey	Associate Director Business Services
10	February (A)	Regular Board	Metrics for MYSP 6 Strategic Directions	Director of Education
11	March (A)	Corporate Affairs	Monthly Financial Report	Associate Director Business Services
12	March (A)	Student Achievement	Staffing Status Report for Next School Year	Associate Director Academic Affairs
13	April (A)	Student Achievement	Conflict Resolution Department Report	Associate Director Academic Affairs
14	April (A)	Corporate Affairs	Monthly Financial Report	Associate Director Business Services
15	April (A)	Regular Board	Non-Resident VISA Student Fees for September 2013	Associate Director Academic Affairs
16	April (A)	Regular Board	Education Development Charges Policy Review	Associate Director of Planning and Facilities
17	May (A)	Student Achievement	Report regarding Updates on items referred to in Ministry of Education Operational Review	Associate Director Academic Affairs
18	May (A)	Student Achievement	Staffing Status Report for Next School Year	Associate Director Business Services
19	May (A)	Student Achievement	Ratification of Student Trustee Nominees	Associate Director Academic Affairs
20	May (A)	Corporate Affairs	Monthly Financial Report	Associate Director Academic Affairs
21	June (A)	Student Achievement	21 st Century Learning Update	Associate Director Business Services
22	October (A)	Student Achievement	Student Trustees: Voices that Challenge	Associate Director Academic Affairs
23	June (A)	Regular Board	Budget Estimates	Associate Director Academic Affairs
24	September (A)	Student Achievement	Portuguese Speaking	Associate Director Academic Affairs

25	September (A)	Student Achievement	Full Day Kindergarten Enrolment Report	Associate Director Academic Affairs
26	September (A)	Corporate Affairs	Enrolment for September Report	Associate Director Academic Affairs
27	September (A)	Corporate Affairs	Trustee Honorarium Report	Associate Director Academic Affairs
28	September (A)	Corporate Affairs	Monthly Financial Report	Associate Director Business Services
29	September (A)	Regular Board	Angel Foundation for Learning Year In Report	Associate Director Business Services
30	September (A)	Student Achievement	Community Engagement	Director of Education
31	September (A)	Student Achievement	Portuguese Speaking	Associate Director Academic Affairs
32	September (A)	Student Achievement	Elementary and Secondary School Enrolment Report	Associate Director Academic Affairs
33	October (A)	Student Achievement	Annual Safe Schools Report	Associate Director Academic Affairs
34	October (A)	Student Achievement	Information Report on the International Languages Program to include dates, statistical trends, surveys, results of previous assessments in changing demographics (city-wide population and home language dynamics) and immigration patterns in all wards.	Associate Director Academic Affairs
35	October (A)	Student Achievement	Primary and Junior Division Assessments Of Reading, Writing and Mathematics (EQAO) ·Grade 9 Assessment of Mathematics (second semester and full-year students) and OSSLT Assessment (EQAO)	Associate Director Academic Affairs
36	October (A)	Student Achievement	Voices of Student Trustees: Voices that Challenge	Associate Director Academic Affairs
37	October (A)	Special Board	Director's Performance Appraisal (over 3 consecutive Special Board Meetings)	Director of Education
38	October (A)	Corporate Affairs	Trustee Honorarium Report	Associate Director Business Services
39	November (A)	Student Achievement	Board Learning Improvement Plan (BLIP)	Associate Director Academic Affairs

40	November (A)	Student Achievement	K-12 Professional Development Plan for Student Achievement and Well-Being	Associate Director Academic Affairs
41	November (A)	Student Achievement	Religious Accommodation Report	Associate Director Academic Affairs
42	November (A)	Corporate Affairs	Monthly Financial Report	Associate Director Business Services
43	November (A)	Regular Board	Annual Calendar of Meetings	Director of Education
44	November (A)	Regular Board	Audited Financial Statements	Associate Director Business Services
45	November (A)	Student Achievement	Board Learning Improvement Plan	Associate Director Academic Affairs
46	December (A)	Corporate Affairs	Revised Budget Estimate for Consideration	Associate Director Business Services
47	December (A)	Regular Board	Director's Annual Report	Director of Education