



Long Term Capital Study
Hastings and Prince Edward District School Board
Prepared by: Watson and Associates Economists Ltd.



Long Term Capital Study
Inventory, Projections & Analysis
January 10, 2008

Long Term Capital Study

Ministry Capital Planning Tool

- Requirement to submit 10 year 'draft' capital expenditure plan to Ministry of Education
- Requires only that Board receive 'draft' submission and provides approval for staff to submit to Ministry
- Submission should reflect program-driven perspective of Board's accommodation needs
- Financial analysis required to determine ability to proceed with capital projects under 'Good Places to Learn' capital funding program
- No requirement to demonstrate that the submission is fully fundable
- The ministry has indicated that boards will have the ability to revise the 'draft' capital plan submission over time

Long Term Capital Study Ministry Capital Planning Tool

- Submission includes:
 - Confirmation of facility inventory (SFIS, admin space, etc.)
 - Establishment of review area-based capital expenditure analysis
 - Enrolment projections for 2007/08 to 2016/17 and beyond
 - Projected capital activity needs (i.e. new accommodation, program-related capital, renewal, operations)
 - Adjustments to On The Ground Capacity(OTG) re Primary Class Size
 - community use of schools
 - daily physical activity programs
 - Ontario Disability Act compliance
 - Identifying local program needs
 - Number of pupil spaces by review area that may warrant accommodation review and potential consolidation/disposition of surplus spaces

Long Term Facility and Program Challenges

- 8 elementary and 5 secondary review areas
- Elementary enrolment expected to decline by more than 900 pp (2006/07 to 2020/21)
- Secondary enrolment expected to decline by almost 1,300 pp (2006/07 to 2020/21)
- The majority of the enrolment decline will occur prior to 2012/13 (E) and 2016/17 (S)
- The number of surplus classroom spaces will grow from 3,223 (2006/07) to 5,491 by 2016/17
- Early Learning Education would only consume 900 to 950 surplus spaces
- Gap between facility renewal grants and expenditure needs will widen over time and appropriate level of investment by Ontario taxpayers not likely given rising health care/infrastructure costs, along with decrease in number of taxpayers

Long Term Facility and Program Challenges

- Facility utilization will decline and will affect the ability to operate, renew and staff schools as follows:

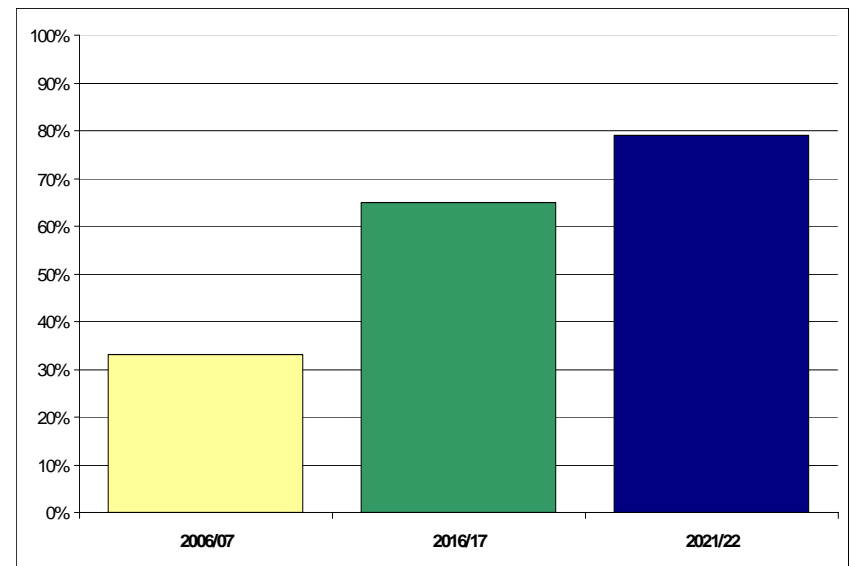
	OTG	2006/07 Actual ADE(Average Daily Enrolment)	2016/17 Projected Enrolment ADE	2020/21 Projected Enrolment ADE
Elementary Panel	12,766	10,782	9,875	9,860
Surplus Spaces		1,984	2,891	2,906
Secondary Panel	8,064	6,825	5,464	5,528
Surplus Spaces		1,239	2,600	2,536
Total Surplus Spaces	20,830	3,223	5,491	5,442

Long Term Facility and Program Challenges – Facility Utilization/Renewal

- 36 of 47 operating elementary schools have a capacity below 350 pp
- Only 3 of 47 operating elementary schools will have enrolment > than 350 pp
- Only 3 of 8 operating secondary schools will have enrolment > than 700 pp
- 10 of 20 'urban' schools will experience utilization of less than 80% in the next 10 years
- 4 out of 8 secondary schools will experience utilization of 65% or less in the next 10 years
- ***Most importantly, facility renewal needs will almost double in less than 10 years***
- Secondary facility renewal needs will more than double in less than 10 years
- Facility renewal needs based on RECAPP facility condition assessment updated for Good Places to Learn Stage I/II expenditures
- ***Doesn't include costs related to building code, program space and technology deficiencies***

Long Term Facility and Program Challenges – Facility Utilization/Renewal

- The average age of the Board's elementary facilities is 52 years
- At existing funding levels it would take another 42 years just to fund just the 2006/07 renewal backlog
- Current entitlement and investment levels just over \$3.0 million annually
- **Facility renewal needs \$120.4 m (33.1% in 2006/07), \$235.9 m (64.9% in 2016/17) and \$287.4 m (79.1% in 2021/22)**

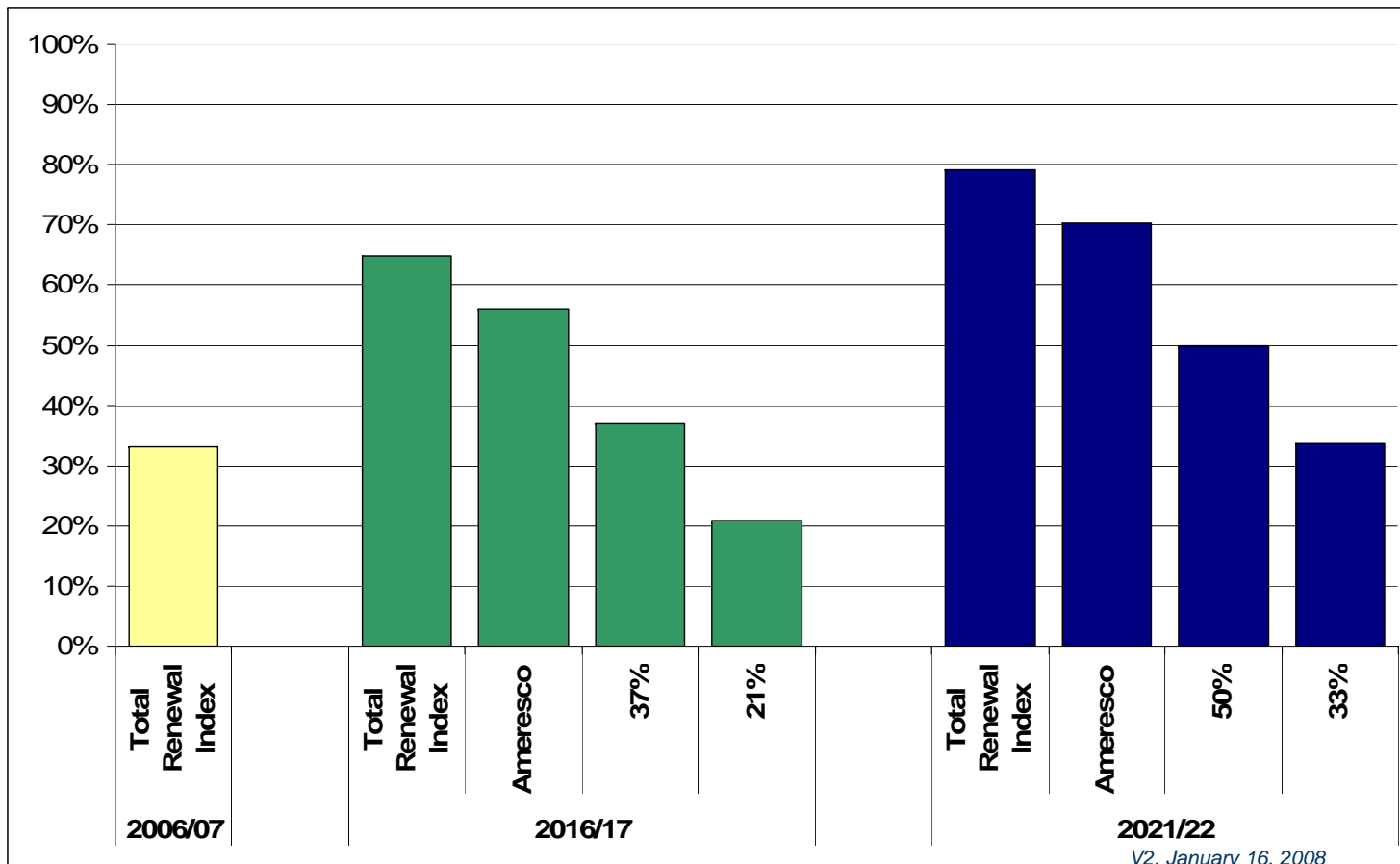


Opportunity for Reinvestment in Programs and Facilities

Potential for Re-investment:

- Current inventory of operating schools – 47 elementary, 8 secondary
- **Proposed inventory of operating schools – 20 elementary, 8 secondary (12 elementary at 350 pp or greater OTG)**
- Opportunity to rebuild, or partially rebuild 7 elementary schools
- Opportunity to increase utilization of elementary and secondary facilities in a declining enrolment situation
- Ability to improve breadth of program (i.e. increased size of school and facility utilization) staffing resource allocations, extra-curricular, co-curricular and cross-curricular opportunities
- Ability to create several JK-12 campuses (separate buildings on same or adjacent site) for ease of transportation (also ability to enhance community use and before/after school programs)
- Ability to reduce facility renewal needs to 50% or 33% of replacement value (depending on Provincial funding policy) by 2021/22 (i.e. get the Board back to existing facility condition)

Opportunity for Reinvestment in Programs and Facilities



Capital Study Overview by Review Area

Review Area PE01 – Trenton School Group (6 schools – average size 279.2 OTG)

OTG	Actual Enrolment 2006/07 ADE	Projected Enrolment 2016/17 ADE	Projected Enrolment 2020/21 ADE
1,675 Surplus Spaces	1,298 377	1,189 486	1,158 517

- Create Gr 7-12 Trenton HS
- Construct replacement 1960s portion of Prince Charles as JK-6 school w North Trenton
- Construct addition/library at V P Carswell as JK-6 w Breadner
- Combine College St and Queen Elizabeth at Queen Elizabeth as a JK-6 school

Capital Study Overview by Review Area

Review Area PE02 – Bayside School Group (5 schools - average size 281.2 OTG)

OTG	Actual Enrolment 2006/07 ADE	Projected Enrolment 2016/17 ADE	Projected Enrolment 2020/21 ADE
1,406 Surplus Spaces	1,458 (52)	1,160 246	1,132 274

- Create Gr 7-12 Bayside SS (**campus adjacent to JK-6 school**), with an 8 classroom addition
- Construct replacement 425 pp Bayside PS as JK-6 school w Frankford PS
- Construct 475 pp replacement JK-8 school for Stirling Junior, Stirling Primary and Stirling Senior

Capital Study Overview by Review Area

Review Area PE03 – Prince Edward County School Group (8 schools – average size 319.4 OTG)

OTG	Actual Enrolment 2006/07 ADE	Projected Enrolment 2016/17 ADE	Projected Enrolment 2020/21 ADE
2,555 Surplus Spaces	1,761 794	1,369 1,186	1,424 1,131

- Create Gr 4-12 Prince Edward CI (subdivide building into elem/sec components) with Gr 4-8 pupils from Athol Central PS, C.M.L. Snider School, Pinecrest Memorial ES, Queen Elizabeth School, Sopiashburgh Central School and South Marysburgh Central School
- Create JK-3 primary learning environment at Pinecrest Memorial for C.M.L. Snider School, Pinecrest Memorial ES, Queen Elizabeth School, Sopiashburgh Central and South Marysburgh Central
- Convert Kente PS to JK-6 school for Kente PS and Massassauga-Rednersville PS pupils
- Redirect Kente Gr 7/8 to Moira SS in Belleville

Capital Study Overview by Review Area

Review Area PE04 – Centennial School Group (6 schools – average size 226.3 OTG)

OTG	Actual Enrolment 2006/07 ADE	Projected Enrolment 2016/17 ADE	Projected Enrolment 2020/21 ADE
1,358 Surplus Spaces	1,250 108	1,366 (8)	1,375 (17)

- Create Gr 7-12 Bayside SS (**campus**) with Foxboro PS and Susanna Moodie ES Gr 7/8 pupils
- Create Gr 7-12 Centennial SS (**campus with adjacent JK-6 school**) with Gr 7/8 pupils from Sir Mackenzie Bowell
- Construct addition at Susanna Moodie as a JK-6 school with Susanna Moodie and Foxboro PS pupils
- Construct addition at Sir J A Macdonald with JK-5 pupils from Prince Charles School, Gr 6 portion of Sir Mackenzie Bowell PS and JK-6 pupils at Sir J A Macdonald

Capital Study Overview by Review Area

Review Area PE05 – Moira School Group (5 schools – average size 344.8 OTG)

OTG	Actual Enrolment 2006/07 ADE	Projected Enrolment 2016/17 ADE	Projected Enrolment 2020/21 ADE
1,724 Surplus Spaces	1,306 418	1,187 537	1,172 552

- Create Gr 7-12 campus at Moira SS with pupils from Deseronto PS, Harry J Clarke PS and Queen Elizabeth School with a 6 classroom addition
- Redirect Deseronto JK-6 to Tyendinaga PS in PE06
- Amalgamate Sir W Churchill and Harry J Clarke as a Harry J Clarke JK-6 school
- Construct 350 pp replacement Queen Elizabeth School with JK-6 pupils from Queen Victoria School and Queen Elizabeth School

Capital Study Overview by Review Area

Review Area PE06 – Quinte School Group (5 schools – average size 296.6 OTG)

OTG	Actual Enrolment 2006/07 ADE	Projected Enrolment 2016/17 ADE	Projected Enrolment 2020/21 ADE
1,483 Surplus Spaces	1,537 (54)	1,554 (71)	1,550 (67)

- Create Gr 7-12 campus at Quinte SS with pupils from Harmony PS, Park Dale School, Prince of Wales PS and Tyendinaga PS
- Redirect Hillcrest School JK-6 pupils to Prince of Wales PS
- Convert Harmony PS, Park Dale School, Prince of Wales PS and Tyendinaga PS to JK-6 schools

Capital Study Overview by Review Area

Review Area PE07 – Centre Hastings School Group (6 schools – average size 233.2 OTG)

OTG	Actual Enrolment 2006/07 ADE	Projected Enrolment 2016/17 ADE	Projected Enrolment 2020/21 ADE
1,399 Surplus Spaces	1,537 (138)	1,314 85	1,306 93

- Create Gr 7-12 campus at Centre Hastings SS with Gr 7/8 pupils from Madoc PS, Marmora Senior PS and Tweed-Hungerford Sr PS
- Redirect Madoc Township JK-6 pupils to Madoc PS as a JK-6 school
- Redirect Earl Prentice JK-4 pupils to Marmora Senior PS as a JK-6 school
- Construct 350 pp replacement Tweed-Hungerford PS as a JK-6 facility
- Redirect S H Connor JK-3 pupils to Tweed-Hungerford Sr PS as a JK-6 facility

Capital Study Overview by Review Area

Review Area PE08 – North Hastings School Group (6 schools – average size 194.3 OTG)

OTG	Actual Enrolment 2006/07 ADE	Projected Enrolment 2016/17 ADE	Projected Enrolment 2020/21 ADE
1,166 Surplus Spaces	818 348	735 431	741 425

- Create Gr 4-12 campus at North Hastings HS with Gr 7/8 pupils from North Hastings Sr ES and Gr 4-6 pupils from Bancroft PS, Bird's Creek PS, Hermon PS and Maynooth PS,
- Create JK-3 primary learning environment at North Hastings Sr PS with JK-3 pupils from Bancroft PS, Bird's Creek PS, Hermon PS and Maynooth PS, with a 4 classroom addition
- No change at Coe Hill School

Capital Study Summary Overview

Review Area	OTG	Facility Inventory	Programs	OTG	Facility Inventory	Programs
PE01	1,675	6	JK-8 (4) JK-6 (2)	923	3	All JK-6
PE02	1,406	5	JK-8, JK-2, 2-5, 6-8	950	2	JK-6 (1) JK-8 (1)
PE03	2,555	8	JK-8, JK-6, 4-8, JK-3	868	2	JK-3 (1) JK-6 (1)
PE04	1,358	6	JK-8, JK-6, JK-5, 6-8	954	2	JK-6
PE05	1,724	5	JK-8 (4) JK-6 (1)	874	2	JK-6
PE06	1,483	5	JK-8 (4) JK-6 (1)	1,361	4	JK-6
PE07	1,399	6	JK-8, JK-6, JK-4, JK-3, 4-8	889	3	JK-6
PE08	1,166	6	JK-6, 7-8	451	2	JK-3, JK-6

Capital Study Summary Overview

Review Area	OTG	Facility Inventory	Programs	OTG	Facility Inventory	Programs
Total Elementary	12,766	47		7,270	20	
PS01	1,875	2	9-12 (FI)	2,043	2	7-12 (FI)
PS02	1,239	1	9-12	1,239	1	4-12
PS03	3,021	3	9-12	3,273	3	7-12
PS04	1,026	1	9-12	1,026	1	7-12
PS05	903	1	9-12	903	1	4-12
Total Secondary	8,064	8		8,484	8	

Capital Study Summary Overview

- Capital Study proposes construction of 2,849.0 classroom spaces (368 of which are secondary spaces) over 15 years
- Total capital expenditures \$124.5 million (at Provincial benchmarks) over 15 years
 - \$69.0 million in facility renewal (to a renewal index of 25% for existing buildings)
 - \$55.5 million in replacement schools and additions

Funding sources include: Enrolment Pressures, PCS capital, annual facility renewal grants (including top-up) (5% set aside for contingencies), projected Stage III renewal funding, proceeds of disposition and PTR for Sir Mackenzie Bowell.

If all of the above revenue sources are used to fund the proposed capital program, the Board can afford to undertake the capital expenditures where the renewal condition index is reduced to 50% by 2021/22

However, if the Province is agreeable to allowing boards to retain a portion of the facility renewal savings, then a capital expenditure program could be undertaken such that the facility renewal index is reduced to 33% by 2021/22

V2, January 16, 2008