

# Sustainability Study of Burton Elementary School

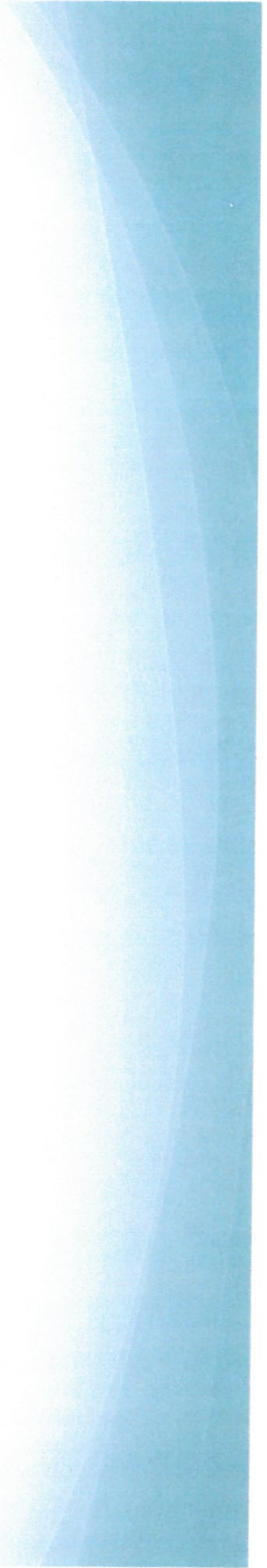


Success is a Journey

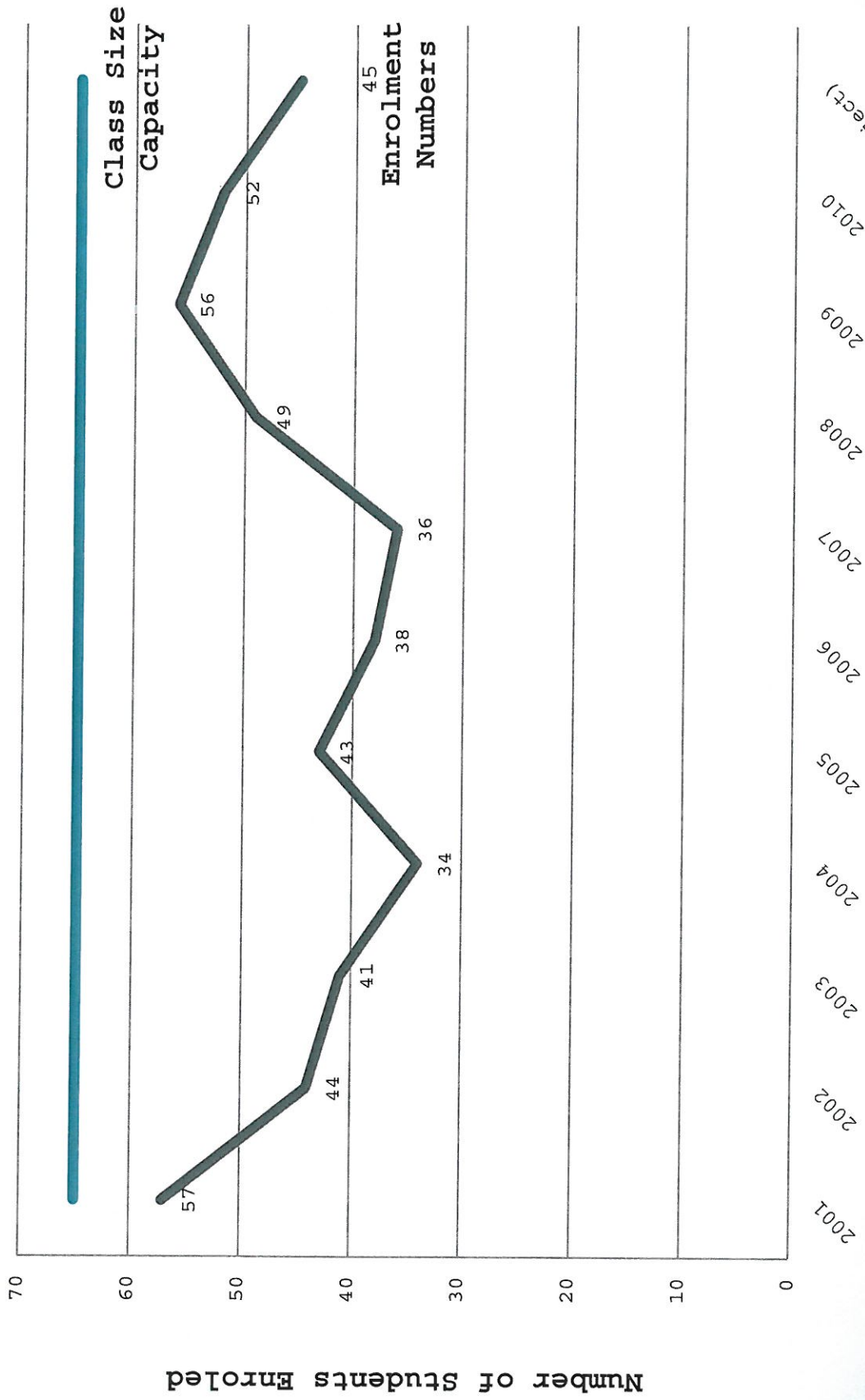
# Public Meeting #1 - Agenda

- **Introductions**
- **Review of Provincial Policy 409 Multi-Year School Infrastructure Planning**
- **Presentation of Facts – Burton Elementary School**
- **Question and Answer**
- **What's Next?**
  - **Online Resources and Feedback**
  - **Next Meetings**

# Enrolment



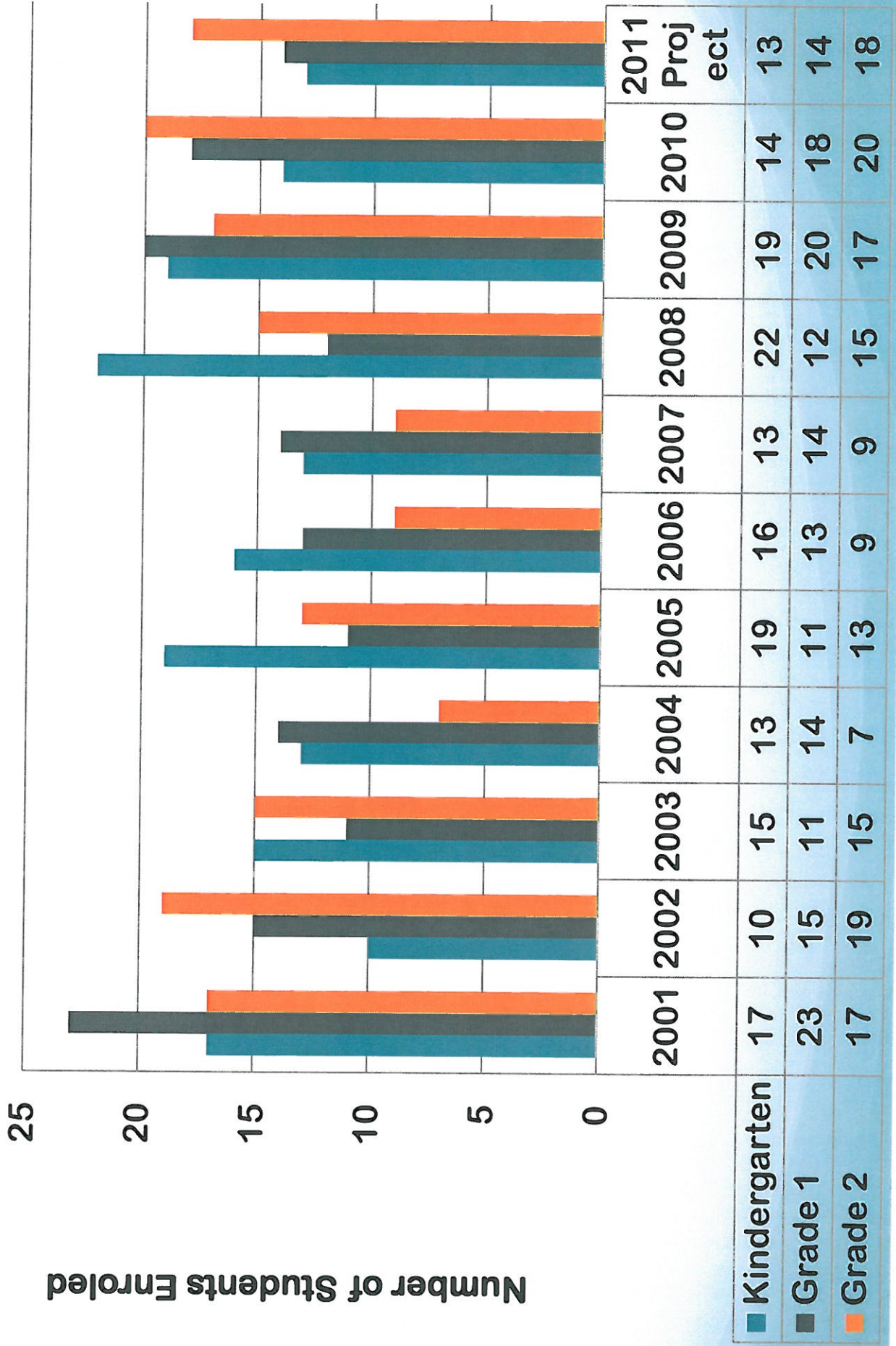
# Enrollment



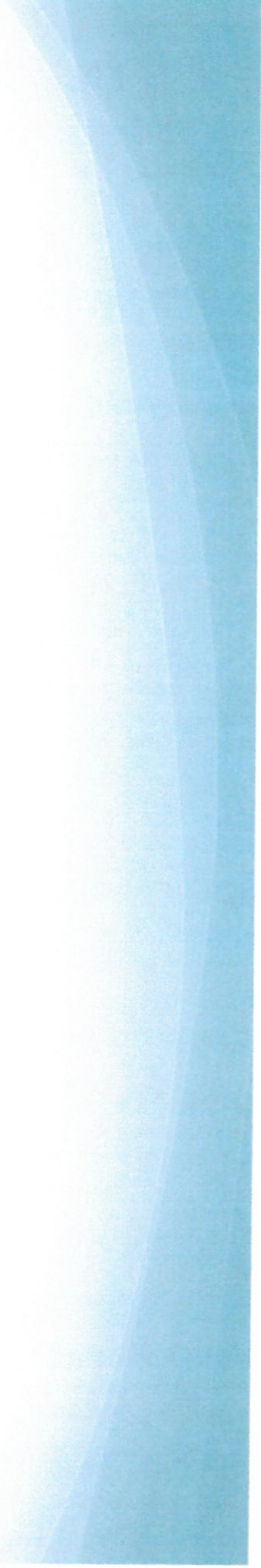
School Year

2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 (Project)

# Enrolment by Grade Level



# Health and Safety Building Assessment



# Building Summary

- Constructed in 1961 with a wood frame structure, a wood roof and interior wood walls on steel support beams.
- Renovations have included:
  - Stairwell enclosures (fire integrity)
  - Washroom upgrades
  - Roof, window and siding replacement
  - Boiler upgrade
  - Gym wall upgrades (reduction of flame spread rating)
- All schools (pre 1980) in the Province are currently under structural review.

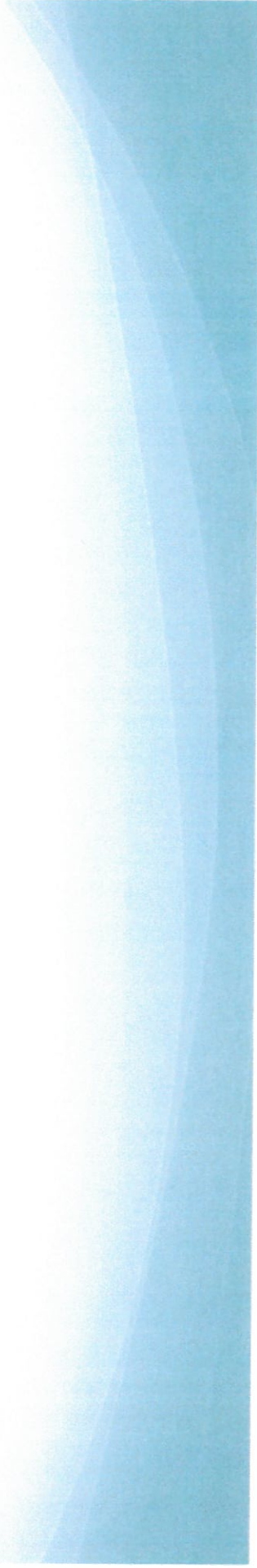






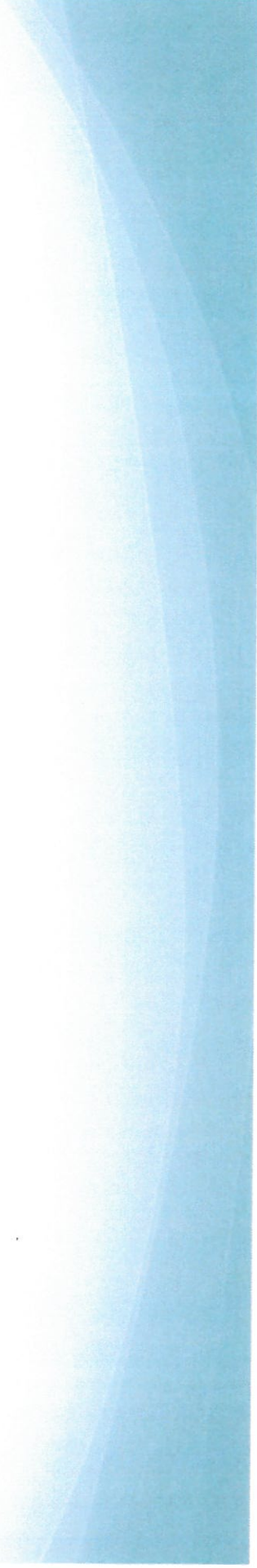
# Classrooms

- The school was constructed with 5 classrooms.
- Presently:
  - 3 classrooms are being used for classroom teaching spaces
  - 1 classroom is being used for an office area
  - 1 classroom is being used as a library space



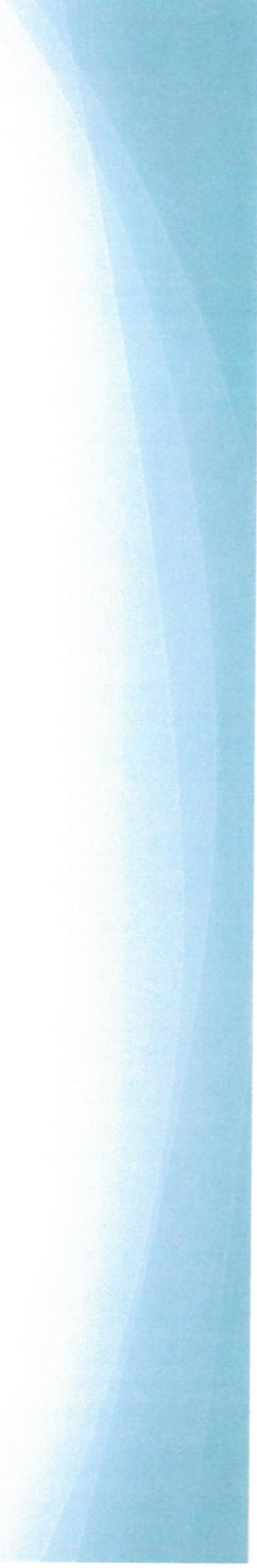
# Stairwells and Corridors

- A 2001 renovation provided stairwell enclosures complete with fire doors to meet National Fire Code.
- A 2010 renovation was completed to reduce the flame spread rating of the gymnasium.
- The building is not accessible due to stairs at all entrances. An elevator has been identified as a project on the Capital Improvement list.



# Fire Protection

- A Cerberus Pyrotronics fire alarm system is installed, however, the building does not have a sprinkler system.
- Fire extinguishers are located throughout the building and fire alarm pull stations are located at exits from the building.

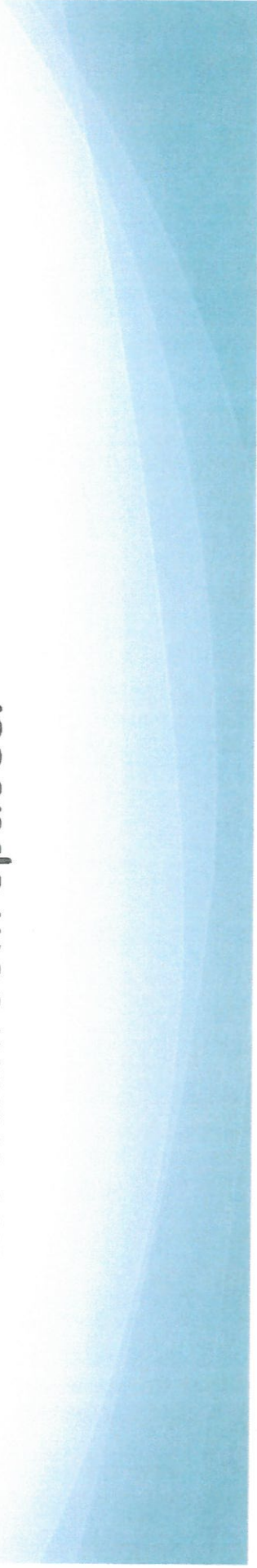


# Domestic & Waste Water

- Water from a private well passes through a Sterilight ultraviolet water sterilizer and a filter before entering the distribution system.
- Hot water is heated with a Giant Cascade 40 gallon hot water heater.
- There is currently a septic system complete with a drainage field.
- Presently, a Natech Environmental Services Inc. report recommends that the system be replaced with 1 or 2 new septic tanks, sewage lift pump and a disposal field.

# Heating & Ventilation

- An oil fired Weil-McLain boiler complete with a Riello burner and two pumps circulate hot water heat.
- Relies on air infiltration and operable windows to bring fresh air into the school and exhausts through gravity vents found in the classrooms and gymnasium.
- Washroom upgrades provided mechanical exhaust from the washroom spaces.



# Controls & Communications

- In 2004, the controls system was replaced with new Delta Direct Digital Controls (DDC).
- The controls are accessible remotely through modem.
- Washroom exhaust, boiler and circulating pumps are on the controls system.
- In 2002, a Bogen MCP35A public address system was installed.

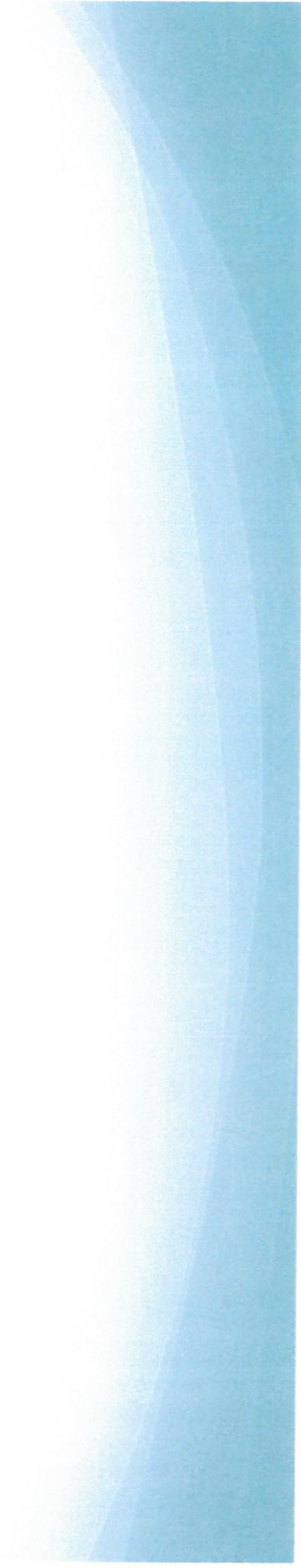
# Electrical & Lighting

- There is a 400 amp entrance through an overhead connection.
- An electrical distribution upgrade has been identified as a Capital Improvement Project.
- New fluorescent lights in the corridor.
- Original fluorescent lights in the classrooms.
- An upgrade to ceilings and lighting in classrooms has been identified as a Capital Improvement Project.




# Exterior

- Exterior windows and siding were replaced in 1990 with masonite siding and aluminum framed windows.
- The attic is vented with periodic soffit vents and gable vents.
- The siding has been identified to be replaced in the Capital Improvement list.



# Property

- There is an entrance and an exit onto Route 102 Highway.
  - Staff and visitors share the school parking lot which has been identified on the Capital Improvement list to replace the asphalt and provide curbing.
  - The driveway is shared by the bus loading zone and parent drop off.
  - There are 2 swing sets, a play structure and a ball diamond along with green space for alternate activities.
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# Capital Investments

Year	Scope of Work	Cost
2010	Gym wall upgrade	\$12 000.00
2004	Replace Control System	\$5 280.00
2003	Playground Upgrade	\$2 500.00
2002	P A Upgrade	\$2 996.00
2002	Replace leak Sensor	\$2 095.00
2001	Fire Integrity-Stairwell	\$24 127.00
2000	Washroom Upgrade	\$52 339.00
2000	Playground Upgrade	\$3 872.00

# School Physical Plant Status

Building Exterior and Site		Description	Estimated Cost
Building Envelope	Other	Replace siding on building. 4,000 sqft @ \$9.25/sqft. NOTE: Estimated costs updated Sept '09.	\$37 000.00
Site	Site Improvement	Curbing and driveway refinishing. Paving 11,500 sqft @ \$3.00 (34,500) and 400L/ft of curbing @ \$37.00. NOTE: Estimated costs updated in Sept '09.	\$50 000.00

# School Physical Plant Status (continued)

Building Interior and Additions		Description	Estimated Cost
Interior Accessibility	Lift	Elevator and Access to building. NOTE: Estimated costs updated in Sept '09.	\$220 000.00
Interior Finishes	Ceilings	Upgrade all old ceilings and lighting. 5 classrooms @750 sqft ea = 3,750 sqft @ \$4.50 for ceiling and \$3.00 for lighting. NOTE: Estimated costs updated in Sept '09.	\$28 000.00

# School Physical Plant Status (continued)

Mechanical and Electrical Systems		Description	Estimated Cost
Electrical	Electrical Supply and Distribution	Electrical system upgrade. Power distribution, panels, receptacles (\$25,000 + \$21,825 + \$8,370). NOTE: Estimated costs update in Sept '09.	\$55 000.00
Heating and Ventilation	Ventilation System	New Ventilation system. 8730 sqft @ \$18/sqft. NOTE: Estimated costs updated in Sept '09.	\$157 000.00
Water Supply and Sewer	Sanitary Sewer Systems	New sewage treatment system. NOTE: Estimated costs upgraded in Sept '09.	\$154 000.00

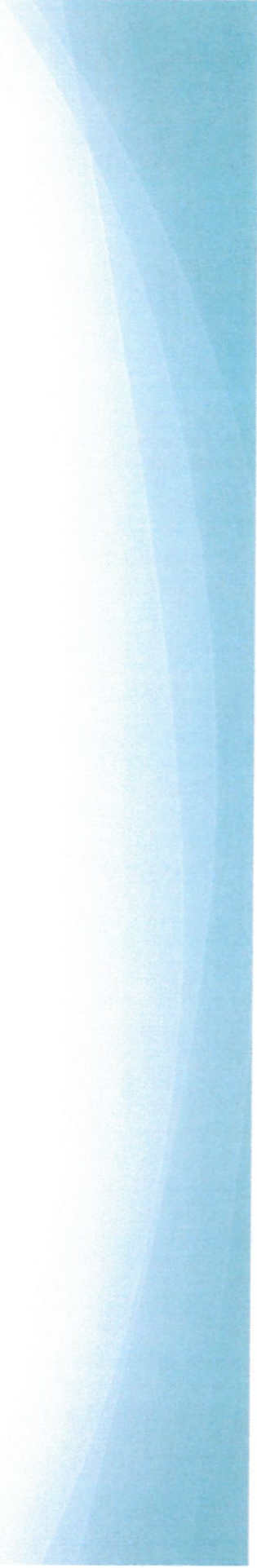
# School Physical Plant Status (continued)

This item was completed in March 2011

Fire Codes	Description	Estimated Cost
Fire Prevention Other	Remove carpet and paneling from gym walls and replace with gypsum board, crackfilled and painted as per Fire Prevention Order November 12/09.	\$12 000.00

School Total: \$713 000.00  
 - \$12 000.00  
 Therefore..... \$701 000.00

# **Quality of Education Programs and Services**





# Quality of Education Programs and Services

Provincial staffing formula calls for:

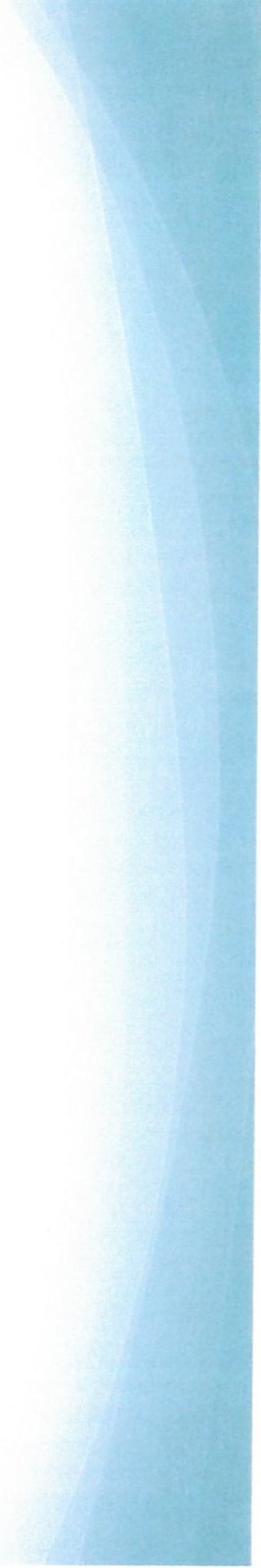
- 3.3 FTE for classroom teachers
- 0.2 FTE for administration
- <0.1 FTE for guidance (not assigned at Burton; emergency services available)
- No formula for literacy/resource; we staff at 0.2 FTE and 0.2 FTE, respectively
- Total is 4.0 FTE teaching staff, including principal of the school

# Quality of Education Programs and Services (continued)

- Student-teacher ratio is projected to be 15.3:1 for Burton Elementary in 2011-12
- Likewise, it is projected to be:
  - 19.0:1 in the K-2 Town of Oromocto elementary schools
  - 20.1:1 in the Town of Oromocto elementary schools
  - 19.4:1 in the School District 17 elementary schools
- K-2 students from Burton feed into Hubbard Ave. Elementary for grades 3 to 5 for both English and French Immersion

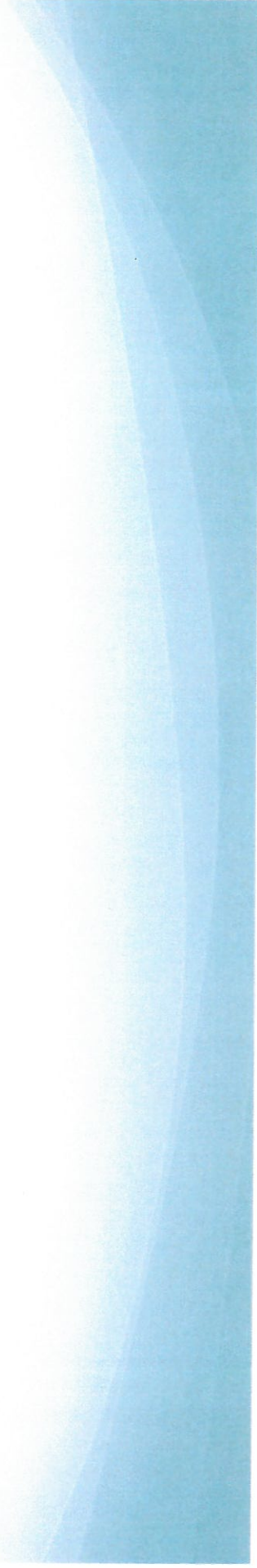
# Maximum class sizes

Grade Level	Maximum Students
K-2	21
3	26
Combined K-3	16
Combined 4-5	23



## Other Staff

- 1.0 Teacher's Assistant
- Administrative Assistant: 25 hours a week
- Library Assistant: 5 hours a week
- Cleaning staff: Burton School is cleaned by Empire Maintenance Industries for 7 hours per day.



# Delivery of Programs

- Physical Education offered ½ hour each day; principal relieves K-teacher who teaches PE to all classes
- Mentors visit on occasion
- Clusters 2 sessions per year (thematic and interspersed; would like to do more)
- Literacy support – currently serves a small number of students; principal carries this 0.2 FTE load
- Resource and Methods – currently serves a small number of students; principal carries this 0.2 load
- Guidance – largest piece missing; emergency services available; proactive measures need to be covered by classroom teacher
- Strong volunteer commitment from parents

# Provincial Assessment Data

## Last 4 Years

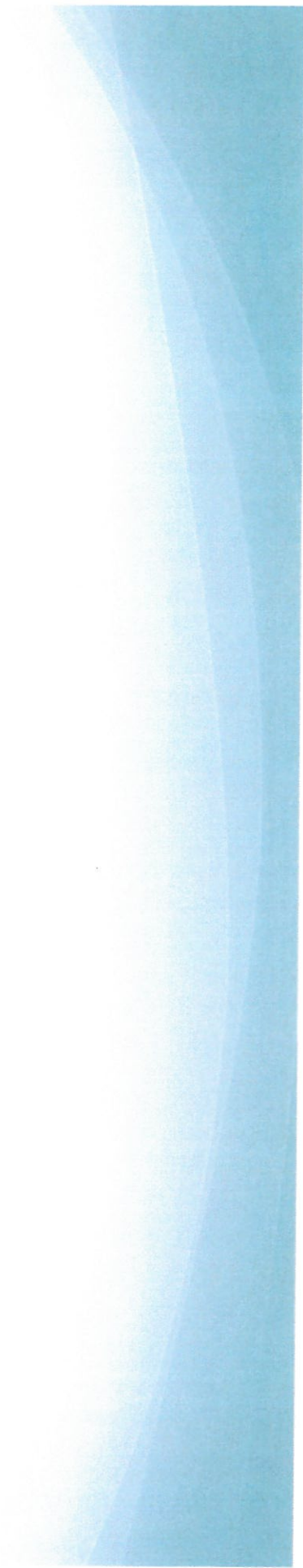
- Grade 2 Reading

	Burton	District	Province
2006 - 2007	88.9	80.0	72.0
2007 - 2008	66.7	82.7	76.1
2008 - 2009	92.9	87.0	82.0
2009 - 2010	75.0	87.0	84.0

# Provincial Assessment Data Last 4 Years

- Grade 2 Writing

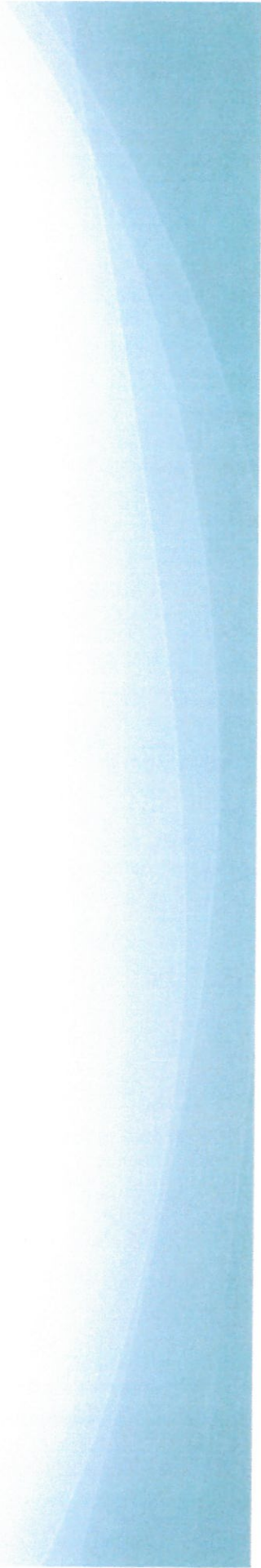
	Burton	District	Province
2006 - 2007	77.8	71	57
2007 - 2008	66.7	67	59
2008 - 2009	85.7	72	60
2009 - 2010	75.0	75	71



# Parent Perception Data

A favorable response to questions on the Positive School Environment at Burton.

- **94.5% Burton**
- 87.9% for School District 17 Elementary Schools
- 88.4% for Provincial Elementary Schools

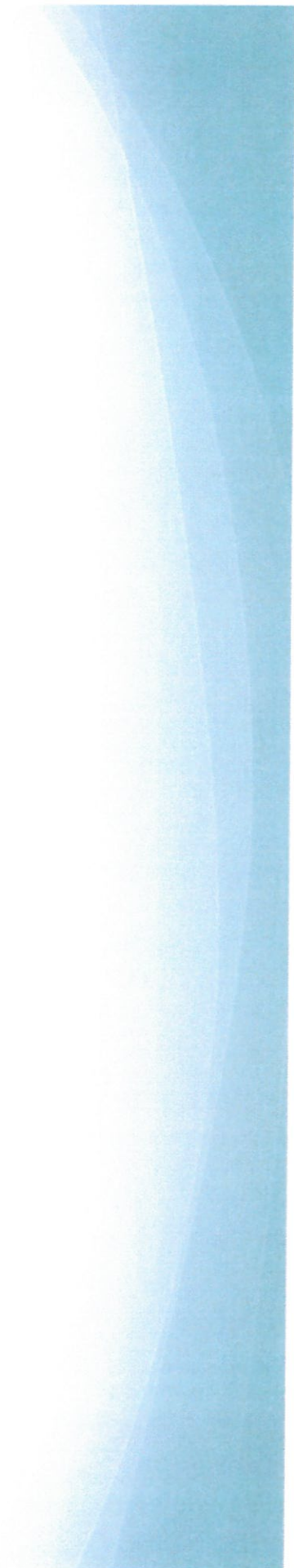




# Parent Perception Data

Favorable response to questions on Effective Instructional Practice at Burton.

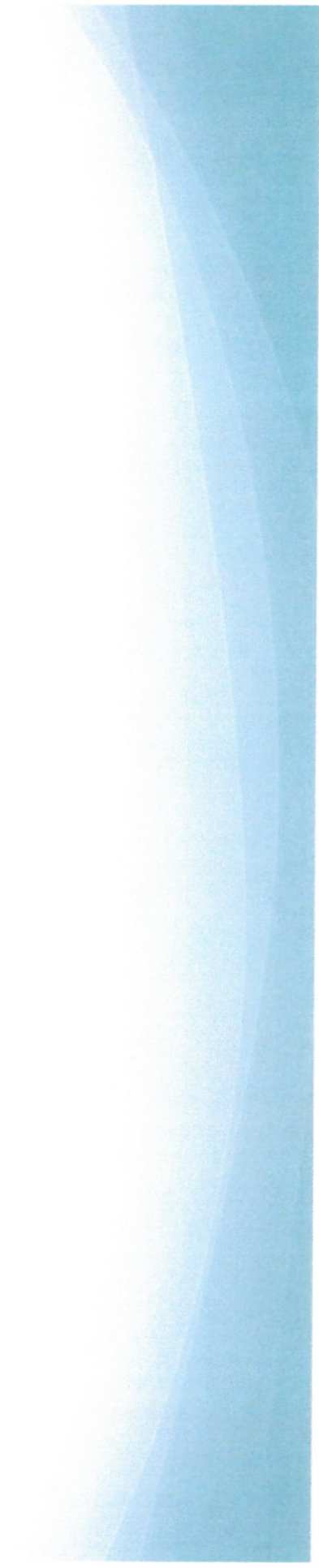
- **91.2% Burton**
- 79.3% for School District 17 Elementary Schools
- 80.9% for Provincial Elementary Schools



# Parent Perception Data

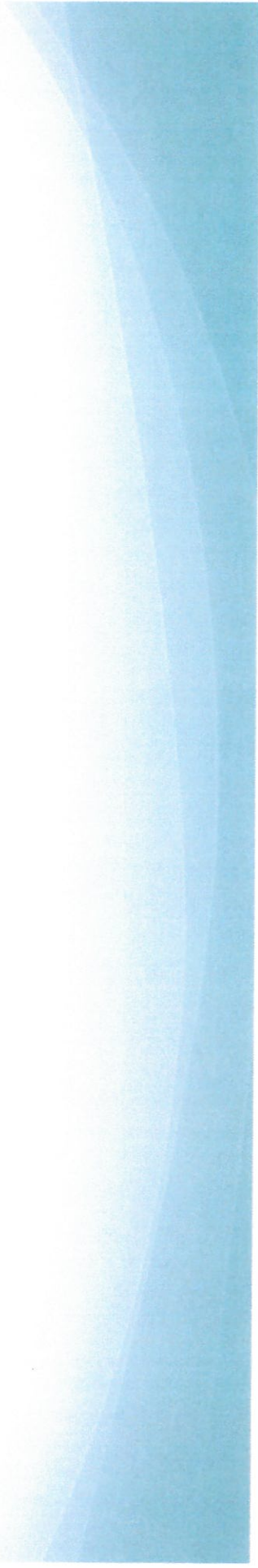
Favorable response to questions on Communication Between School/Parents.

- **91.0% Burton**
- 80.8% for School District 17 Elementary Schools
- 82.1% for Provincial Elementary Schools

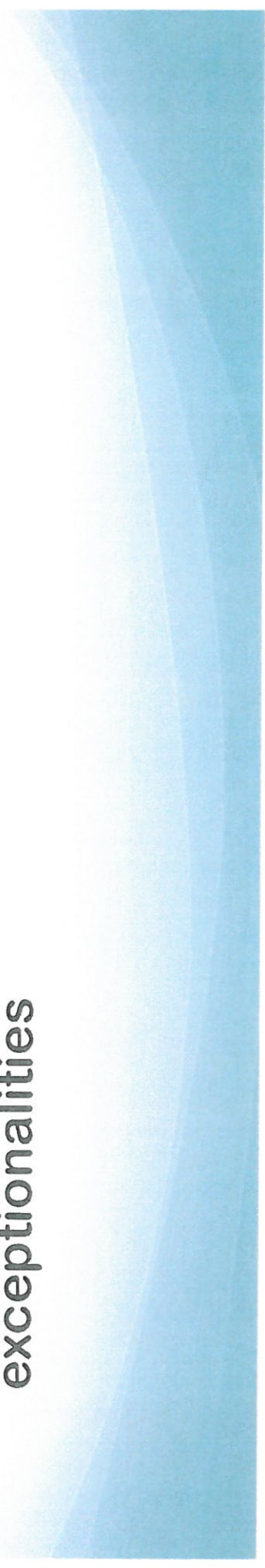


# School Benefits

- Strong knowledge of individual students, their needs, and their histories
- Effective transition between grades and to Hubbard
- Strong sense of collaboration among staff
- Strong parent support



# School Challenges

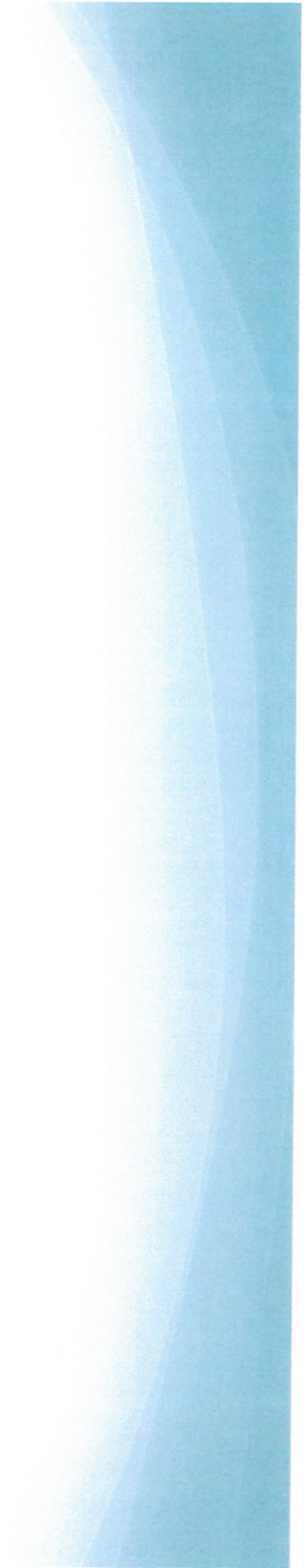
- Lack of an appropriate gymnasium
  - Lack of human resources for ability to expand on clusters and other educational opportunities
  - Lack of common planning time within the instructional day
  - Less opportunities for educational field trips
  - Lack of accessibility for students with exceptionalities
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# Transportation

**Burton Elementary School**

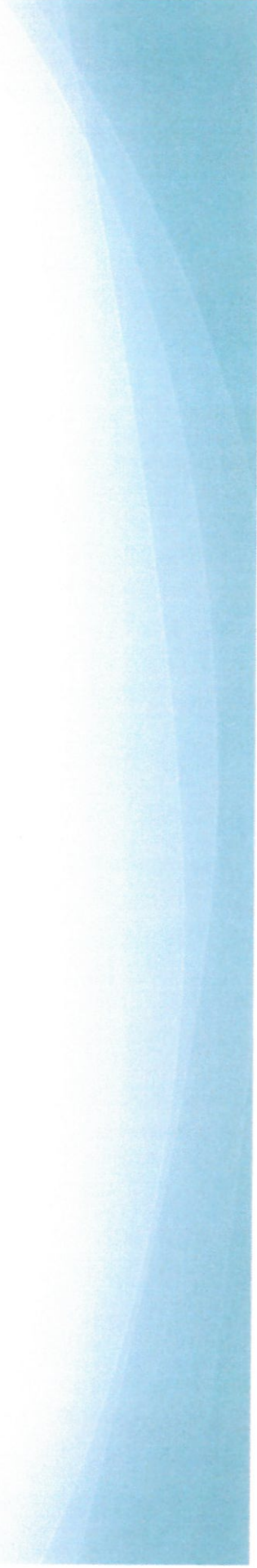
**412 Route 102**

**Burton, NB**

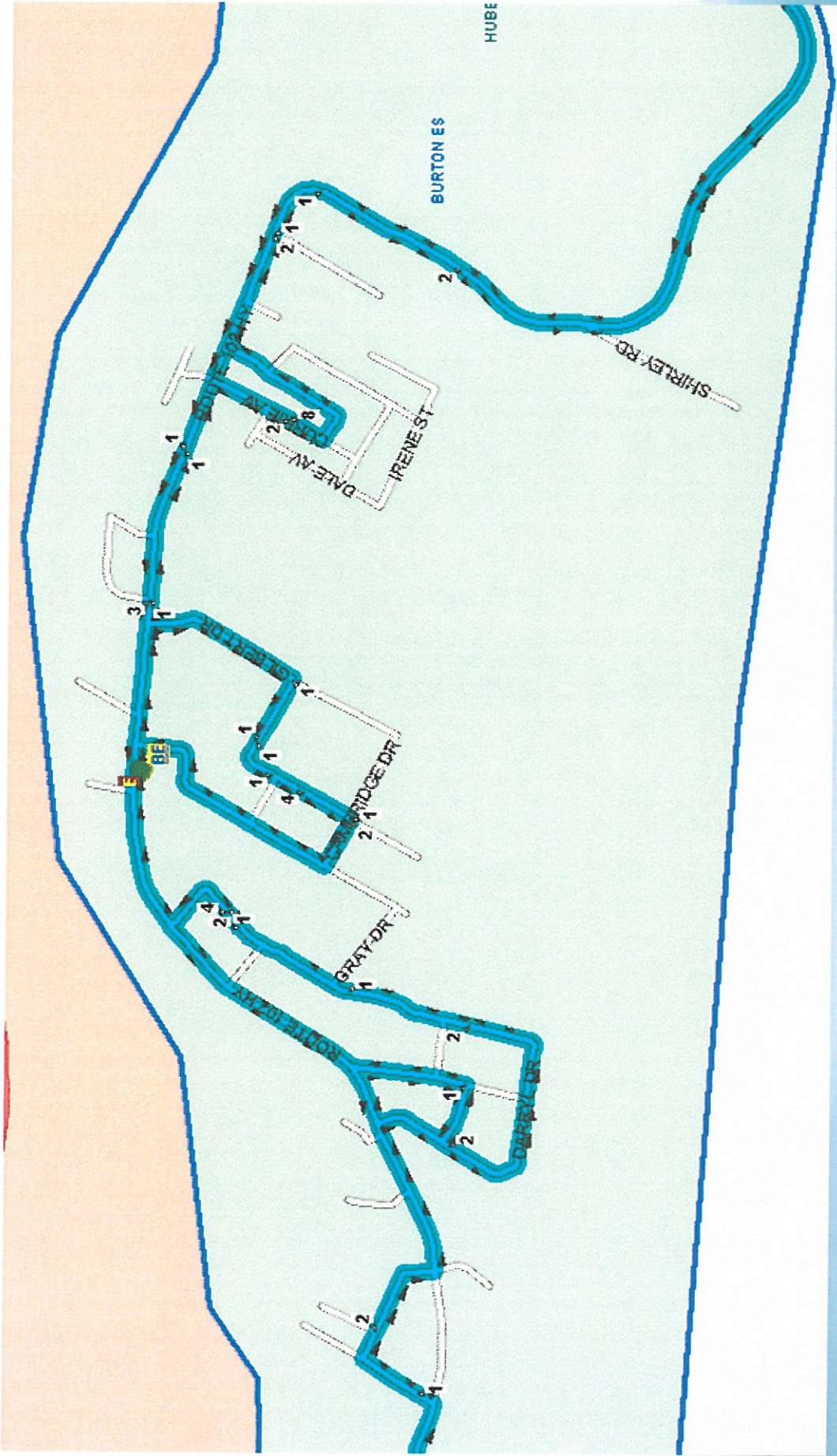


# Transportation

- The Burton School zone has boundaries stretching from #175 Route 102 to #767 Route 102, a distance of 11.3 kms.
- It takes in all subdivisions and roadways off of Route 102 between those numbers.

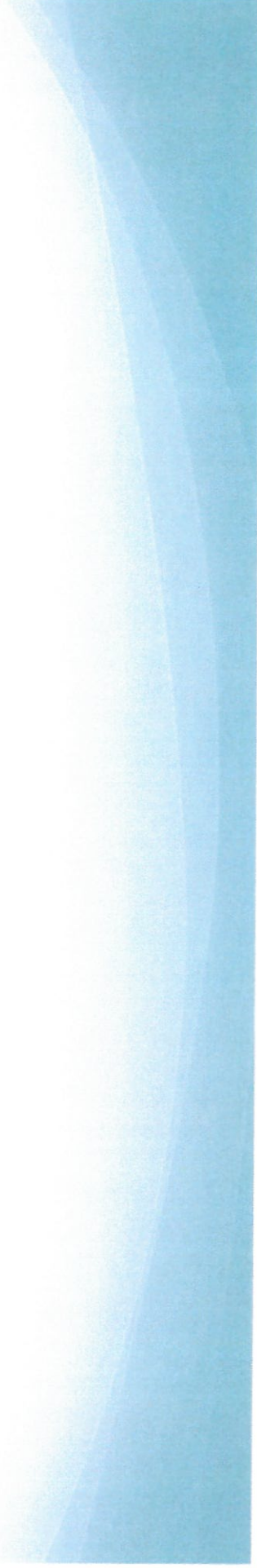


# Current Bus Route # 64



# Transportation (continued)

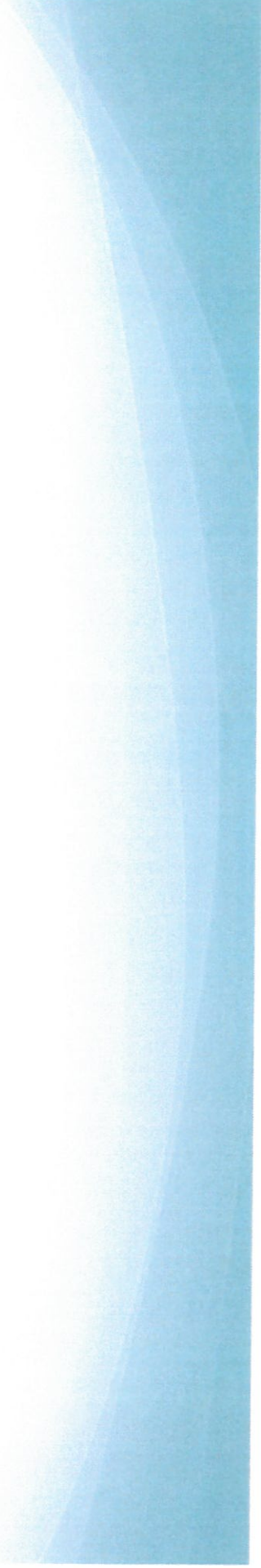
- The current bus schedule picks up the first students at 7:55 a.m. The bus starts at #175 Route 102 and continues down towards the school. It goes by the school at 8:08 a.m. rather than making a drop at that time and continues towards #767. The bus gets back to the school at approximately 8:30 a.m. and drops the complete group off in one drop.



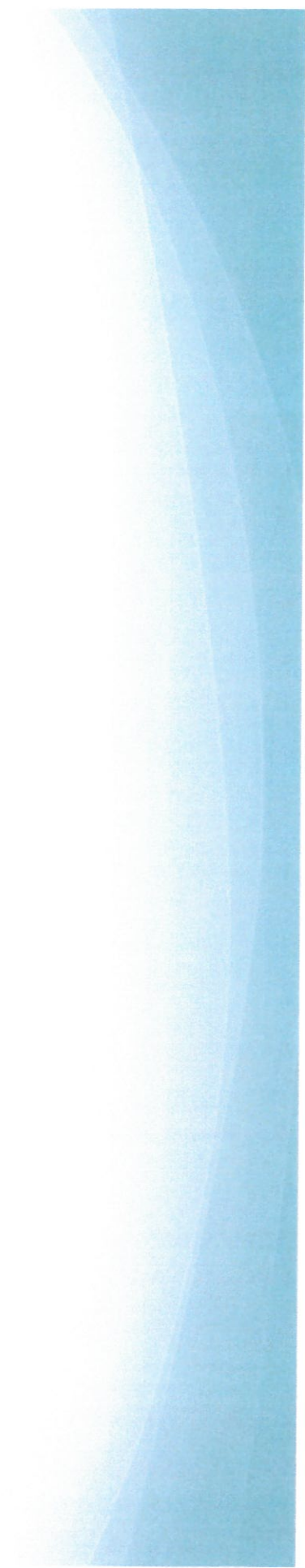


# Transportation (continued)

- There are very few, if any, walking students at Burton School and all students are entitled to take the school bus.
- On average, there are between 8 to 10 cars dropping students off. This certainly varies on different days.



# Finances



# Salaries

Actual Costs			
Cost Centers	Fiscal Year	Fiscal Year	Fiscal Year
	2009-10	2008-09	2007-08
<b>Salaries</b>			
Administration	11,879	7,257	1,053
Teacher	247,654	197,325	147,862
Admin.Assist/Library Assist	19,743	16,180	19,834
Teacher Assistant	18,278	18,284	16,602
<b>Total</b>	<b>297,553</b>	<b>239,046</b>	<b>185,350</b>

# Assigned Budgets

Actual Costs			
Cost Centers	Fiscal Year	Fiscal Year	Fiscal Year
	2009-10	2008-09	2007-08
<b>Assigned Budgets</b>			
Regular Instruction	7,467	6,918	4,923
Admin.Support	1,450	1,389	1,407
Library	500	245	257
Teachers Working Conditions	1,539	1,427	1,440
Nutrition	1,215	1,206	1,213
Positive Learning	1,000	500	700
Co/Extra Trips	871	873	1,060
PSSC	700	540	400
<b>Total</b>	<b>14,742</b>	<b>13,098</b>	<b>11,400</b>

# Facilities Costs

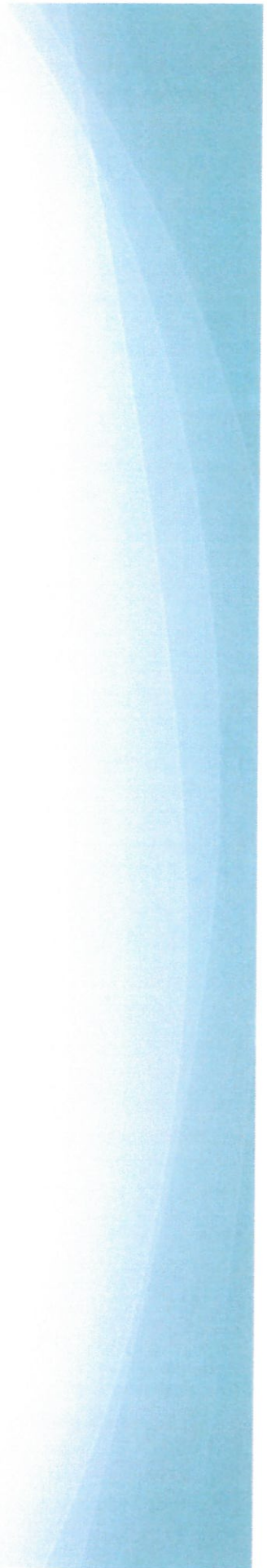
Actual Costs			
Cost Centers	Fiscal Year	Fiscal Year	Fiscal Year
	2009-10	2008-09	2007-08
<b>Facilities Costs</b>			
Contracted Cleaning	19,467	19,009	17,700
Electricity	4,135	3,654	3,472
Heating Fuel	5,832	8,815	7,786
Water and Sewage Ground Maintenance	-	-	-
Minor Repairs	2,000	2,000	1,967
<b>Total</b>	<b>32,693</b>	<b>34,379</b>	<b>33,870</b>

# Total Costs

<b>TOTAL COSTS</b>	<b>344,988</b>	<b>286,523</b>	<b>230,621</b>
<b>School: Burton</b>			

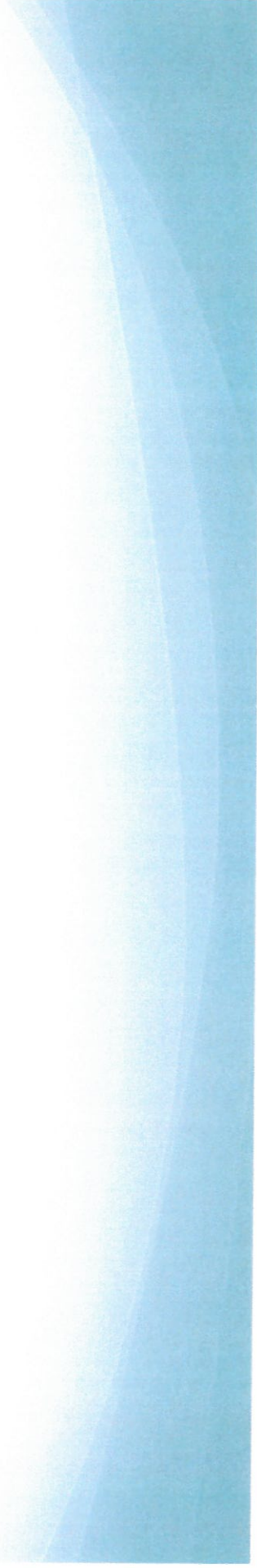
## Actual Costs

<b>Cost Centers</b>	<b>Fiscal Year</b>	<b>Fiscal Year</b>	<b>Fiscal Year</b>
	<b>2009-10</b>	<b>2008-09</b>	<b>2007-08</b>



# Impact on the Community of Burton

- Parent participation in school activities would require travel to Oromocto
- A loss of partnerships between community service groups and the local community school
- Possibility of projected growth this summer as new development has started this spring; however, there is no indication that these potential homes would have school-aged children



# Impact on Other Schools

- With Hubbard Elementary School serving as the receiving school for Burton Elementary School students entering grade 3, Assiniboine Elementary School would be the natural choice should a decision be made to relocate students from Burton; there is capacity for this move
- Distribution of FTE's
- Teachers moving into different settings
- Teamwork
- Combination of resources (inherit P.E., technology, literacy, and math manipulatives, etc.)



# Economic Development

## Consultations

Business New Brunswick

Enterprise Fredericton

Enterprise Central



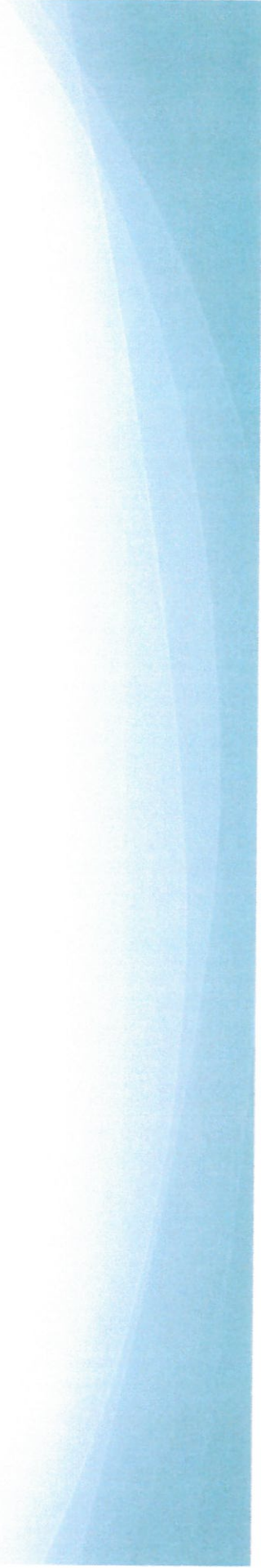
# Economic Development

- Several businesses exist in Burton; no dramatic expansion in employment is detected
- Burton is largely a commuter area with daily travel into Base Gagetown and points beyond
- Burton residents appear to shop and spend money in the Town of Oromocto or points beyond
- Burton residents appear to seek out recreational opportunities in Oromocto or points beyond
- New housing starts give no indication of the number of school-aged students per household

# Provincial Policy 409

- Determination made by School District 17 Education Council to review the sustainability of Burton Elementary under Policy 409 – February, 2011
- Timeline was created to conduct the study in a fair, open and responsible manner
- Policy 409 can be found online: [www.gnb.ca](http://www.gnb.ca)
  - Choose Education and Early Childhood Development under Departments
  - Choose “Policies” from categories along the left hand side
  - Choose Policy 409

# Questions and Answers



# [www.district17.nbed.nb.ca](http://www.district17.nbed.nb.ca) Burton Sustainability Study



- Sustainability Study Timeline
- Parent Letters
  - April 4<sup>th</sup>
  - May 10<sup>th</sup>
- Burton at a Glance
- Link to Policy 409
- Public Meeting #1 – Presentation
- Advertisement

## Feedback can be given

- via email at [Burton@nbed.nb.ca](mailto:Burton@nbed.nb.ca)
- through our blog at Burton Sustainability Study
- mail to Cathy Buck, School District 17, 17 Miramichi Road, Oromocto, NB E2V 2P6

# Thank You For Coming



SCHOOL  
DISTRICT

17

Success is a Journey

