

EDMONTON PUBLIC SCHOOLS

May 9, 2000

TO: Board of Trustees

FROM: E. Dossdall, Superintendent of Schools

SUBJECT: 2000 Major Maintenance Plan

ORIGINATOR: A. McBeath, Department Head

RESOURCE

STAFF: Bob Clark, Bruce Coggles, Brian Fedor, Joan Gibson, Ron Gillen,
Linda Love-Walsh, Jamie Pallet, Dale Skoreyko, Bonnie Zack,
Carol Zbitnew

INFORMATION

Major maintenance of, and minor upgrades to, district facilities are accomplished through the district's Major Maintenance Plan (MMP) which is funded by the government Building Quality Restoration Program (BQRP). The Major Maintenance Plan is one element of the available funding sources for maintenance of facilities. The funding sources are:

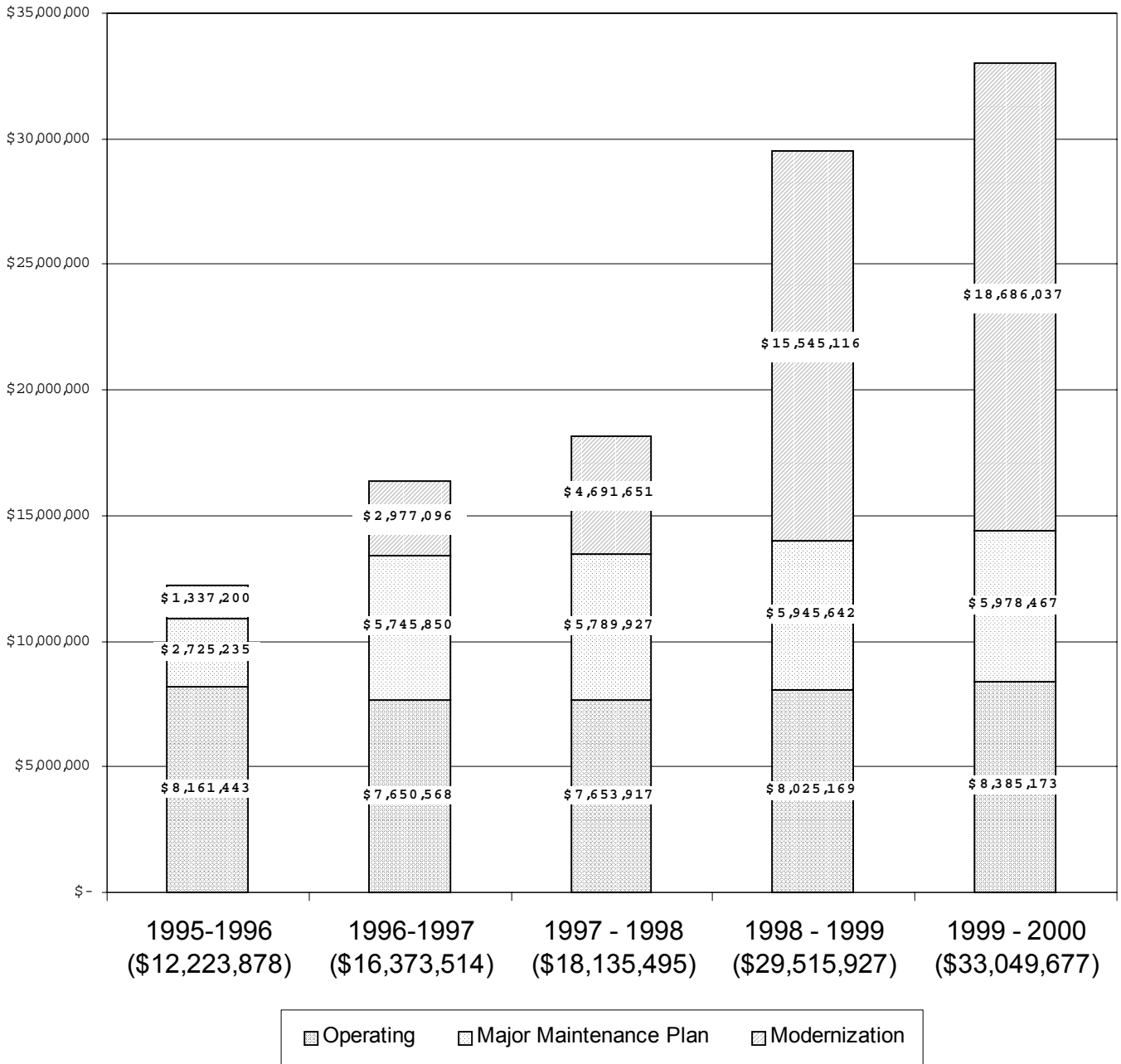
- Operational funds which are allocated from the operating budget of the district and are determined by government formula under the plant operations and maintenance category
- Building Quality Restoration Program (BQRP) funds
- Modernization funds

The funding sources for a five year period are shown in the graph on page two. The MMP is funded by a block grant provided by Alberta Infrastructure through the Building Quality Restoration Program (BQRP). The annual BQRP funding is allocated by the province using a block funding formula based 75% on student enrollment and 25% on the area of school facilities used by students and staff.

While the government has not yet confirmed the level of 2000 BQRP funding, we anticipate a level similar to 1999. The funds are available from April 1, 2000 until March 31, 2001 and the district must obtain ministerial approval in order to carry forward any funds that are not expended within that time period. It is also the administration's understanding that any funds carried forward will be considered to be part of the next year's allocation. Therefore, it is crucial that the funds be utilized prior to the end of March 2001.

Projects to be included in the Major Maintenance Plan are identified for consideration by receiving input from the schools, facilities staff and regulatory agencies. Project requests from schools and Facilities continue to exceed available funding. The plan reflects, therefore, the highest district need. The priorities and categories of projects have been developed with input from principals, and have been found to assist principals with recognizing both district needs and the comparative needs from school to school. The development of the maintenance plan has involved over seventy principals in the last six years, and will continue to rely on principal involvement in the development of the plan and prioritization of projects.

SOURCES OF FACILITIES FUNDING



The development of the 2000 Major Maintenance Plan involved input from all school principals and the direct involvement of eight principals who participated on a committee to develop the final version. **The principals who participated were: Bruce Coggles, Jasper Place School; Linda Love-Walsh, Eastwood School; Ron Spence, Thorncliffe School; Carol Zbitnew, Calder School; Dale Skoreyko, Bannerman School; Bonnie Zack, Kate Chegwin School; Jamie Pallet, McKee School and Joan Gibson, High Park School.**

To ensure that all schools have the opportunity to provide input, a procedure is included in the budget process. Information has been provided to each school identifying scheduled (approved) capital projects in the school. In addition, schools have been provided with information regarding the facility needs they have previously identified. Schools have been requested to review their needs, add or delete projects, and prioritize the projects from the schools perspective.

Renewal of major building elements such as re-roofing are dealt with on a life-cycle replacement and condition assessment basis, thereby distributing the financial obligation over a number of years. This approach ensures that the district's physical assets are reasonably maintained through an annual financial commitment of \$3.5 - four million. The funds remaining from the BQRP block grant can then be directed towards other eligible needs, such as physical upgrades to enhance educational program delivery.

The 2000 Major Maintenance Plan has been reviewed to establish whether previously identified projects are consistent with current priorities. The resultant 2000 Major Maintenance Plan is attached (Appendix I). Projects are identified and listed in accordance with district categories and priorities. An amount of \$500,000 has been identified for emergent needs such as furnace failures and water main replacements.

Highlights

- The district has employed the services of an external consultant to undertake an assessment of hazardous materials (primarily asbestos) in all district buildings. To date 56 schools have been inspected.
- With the completion of the 2000 MMP, the electrical upgrading associated with technology will be complete. Attention will then be placed on the relighting of schools. This will initially be a joint undertaking using BQRP funding and involve our partnership with EPCOR (Edmonton Power). The intent is to improve student learning environments and reduce energy costs.
- Projects identified for twin schools will be discussed with the administrator prior to the project proceeding in order to reconfirm the priority.
- All the projects identified in the 1999 Major Maintenance Plan have been accommodated. The plan is attached as information (Appendix II).
- In order to assist the district in the management of district assets, a five-year life-cycle replacement program is being included with the MMP. This program will provide information to the schools that will assist them in making decisions relative to maintenance expenditures and to allow the schools to undertake longer term planning for the management of the building (Appendix III). The actual projects may vary depending on government funding levels and changes in district priorities.

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Appendix I - 2000 Major Maintenance Plan

Appendix II - 1999 Major Maintenance Plan

Appendix III - Proposed five year life-cycle replacement program

2000 MAJOR MAINTENANCE PLAN

All district schools will be the subject of a facility audit currently being conducted by Alberta Infrastructure. The impact may be a review of capital funding and an evaluation of the process relative to how the district will allocate BQRP funds.

Some projects have been deferred as a result of higher priority projects that have come to light or where deterioration of deficient conditions has accelerated. Bolded entries are new ones that have been added to the 2000 preliminary plan submitted last year.

Life, Health and Safety

Fire Code Upgrades

These are on-going projects to upgrade the district's fire alarm systems and other safety provisions in schools such as smoke and heat detectors. Grace Martin, McLeod, Overlanders and Sherwood fire alarm systems are still functioning and have been deferred until the 2001 MMP.

Grace Martin	replace fire alarm system
McLeod	replace fire alarm system
Overlanders	replace fire alarm system
Sherwood	replace fire alarm system
Victoria	replace auditorium fire curtain
W.P. Wagner	replace fire alarm system

Security System Replacements

This is an on-going program to replace school security systems. McKee and R.J. Scott were completed in a previous plan.

Britannia	Glengarry	McKernan
Clara Tyner	Kameyosek	Parkallen
Delton	Kensington	R.J. Scott
Dickinsfield	Lansdowne	Steele Heights
Duggan	Lendrum	Stratford
Ekota	McKee	Thorncliffe

Intercom System Replacements

This is an on-going program to upgrade school intercom systems and provide systems in schools that do not currently have one. Sherbrooke is being accommodated under the 1999 MMP. Clara Tyner, Delton and John Barnett have been deferred to a future plan. Sherwood was completed in a previous plan.

Abbott	Inglewood	Parkallen
Clara Tyner	John Barnett	R. J. Scott
Delton	Kameyosek	Rio Terrace
Ekota	Newton	Sherbrooke
Homesteader	North Edmonton	Sherwood
		Steinhauer

Asbestos Removals

These are on-going projects within the asbestos management program and are identified annually based on need. It is intended to continue the management program until all the asbestos in the district's buildings has been removed. Projects will be selected based on the hazardous assessment of all district schools that commenced in the spring of 1999.

J.A. Fife Phase 2 of two

Washroom Upgrades

These are on-going projects based on need. McDougall has been deferred until the 2001 MMP.

Abbott	Replace sinks
Afton	Replace sinks
Britannia	Upgrade washrooms
Capilano	Replace sinks
Donnan	Upgrade washrooms
Grace Martin	Replace sinks
Greenfield	Replace sinks
Grovenor	Replace sinks
McDougall	Upgrade washrooms
Victoria	Replace sinks

The estimated cost of life and health safety projects is \$1,170,000.

Building Envelope

Re-Roofing

These are on-going projects based on life-cycle replacement and condition assessment. Westminster will be reroofed under the modernization budget.

Dan Knott	Reroofing of area 1A
Grace Martin	Reroofing of entire building
Grandview Heights	Reroofing of entire building
Jasper Place	Reroofing areas 1, 2, 3.
Lago Lindo	Reroofing of area 1
Laurier Heights	Reroofing of area 2
Patricia Heights	Reroofing of entire building
Portables	Reroofing of 10 portables
Strathearn	Reroofing of entire building
Windsor Park	Reroofing of area 1

Window Replacement

These are on-going projects based on need.

McDougall

Exterior Door Replacement

These are on-going projects based on need. Lawton has been deferred to the 2001 MMP. Parkdale was completed under the 1999 MMP.

Donnan
~~Lawton~~
~~Parkdale~~

The estimated cost of building envelope projects is \$1,613,000.

Building Systems and Components

Mechanical Heating System Replacements

This is an on-going program to replace obsolete steam heating systems with hot water heating systems. This will reduce energy and maintenance costs and provide a better level of temperature control to classrooms.

Athlone Provide hot water heating system

Mechanical System Upgrading

This is an on-going program to replace obsolete plumbing, drainage and ventilation systems and to reduce energy consumption. Hardisty, Jasper Place and Victoria have been deferred for further analysis of the energy payback.

Alex Taylor	Replace galvanized water piping
Hardisty	Provide hot water heater
Harry Ainlay	Replace two supply air units
Horse Hill	Improve interior drainage
Jasper Place	Provide hot water heaters in east and west wings
Ross Sheppard	Replace science fume hood exhaust systems
Victoria	Provide hot water heaters in east and west wings

Structural Repairs

This is an on-going program based on need.

~~Wellington Major structural foundation repairs~~

Wellington has been deferred until the 2001 MMP.

Flooring

This is an on-going program to replace flooring that is no longer maintainable.

Bannerman	Replace library carpet
Brightview	Replace flooring throughout
Centennial	Replace carpets
Dan Knott	Replace carpets
Evansdale	Replace carpets
Fraser	Replace carpets
Gold Bar	Replace corridor and classroom flooring
Greenview	Replace carpets
Kameyosek	Replace carpets
McDougall	Replace floor tile
Mee-Yah-Noh	Replace corridor flooring
Parkview	Replace corridor flooring
R.J. Scott	Replace floor tile
Richard Secord	Replace carpets
Sweet Grass	Replace carpets
Westmount	Replace floor tile

The estimated cost of building systems and components projects is \$1,640,000.

Delivery of Educational Programming

These projects typically include school requested upgrading projects to specific areas of the buildings such as science rooms, libraries, and computer rooms. The district's technology plan has accelerated the need to upgrade the electrical distribution systems in a significant number of schools and this program will be completed with the completion of the 2000 MMP.

Afton	Londonderry
Brightview	McKee
Clara Tyner	McKernan
Duggan	North Edmonton
D.S. MacKenzie	Steele Heights
Glengarry	Vernon Barford
J. A. Fife	Westlawn
Lendrum	York

Lighting Upgrades

This is the first year of an on-going program to improve the lighting in teaching spaces, corridors and administration areas. This program will be implemented jointly with the district's Sustained Energy Management Program (S.E.M.P.) in partnership with EPCOR. Fraser, Fulton Place, and Vernon Barford have been deferred pending improved payback period. Keheewin is completed.

Delwood	McKee
Fraser	Mee-Yah-Noh
Fulton Place	Vernon Barford
Keheewin	Westmount
Kirkness	

Other School Requested Projects

The Harry Ainlay project was completed under the 1999 MMP.

Highlands	Replace vestibule doors
Harry Ainlay	Upgrade science lab

The estimated cost of educational programming projects is \$641,000.

Wheelchair Accessibility and Special Needs Upgrading

These projects typically include the provision of elevators, wheelchair ramps and other specific needs. It is intended to focus on the needs of specific district sites in this and future years until all district sites have been upgraded.

Special Needs Upgrading

This is an on-going program to provide facility upgrades for special needs.

Sites to be identified.

Modernizations

These projects are used to complement the scope of work on approved major modernizations funded by Alberta Infrastructure through the district's capital plan.

None are identified at this time.

Site Improvements

These projects typically include the provision of, or the improvement to, site drainage, drop-off lanes, parking lots and paved play areas.

Evansdale	Expand parking lot
Lorelei	Improve site drainage

The estimated cost of site improvement projects is \$57,000.

Emergent Needs

In addition to the project categories listed above, emergent replacement of mechanical components such as furnace heat exchangers, hot water tanks and water lines are dealt with on an emergent basis.

The estimated cost for emergent projects is \$500,000.

Exterior Paint Program

The allocation for the district’s exterior paint program is \$420,000 and is retained centrally in the Maintenance Services budget.

The exteriors of the following facilities are scheduled to be painted in the 2000-2001 budget year.

Athlone	Hazeldean	McKernan
Avonmore	High Park	Ormsby
Clara Tyner	Highlands	Pollard Meadows
Donnan	Hillview	Rosslyn
Duggan	Homesteader	Rundle
Edith Rogers	Kildare	S. Bruce Smith
Evansdale	Killarney	Vernon Barford
Glengarry	Lorelei	Victoria
Greenfield	Lynnwood	Weinlos
Grovenor	McArthur	

The exterior of 10 freestanding portables will also be painted.

Life cycle Repair/Replacement of Heating Valves and Controls

This is a continuing program based on a five to seven-year life cycle for the repair and/or replacement of heating valves and controls. This program is not funded by the BQRP but through maintenance allocations to the schools listed in each year of the program. The schools below are scheduled for the 2000/2001 school year.

Control Valves

Argyll	Gold Bar	Ottewell
Avonmore	Kensington	Queen Alexandra
Beacon Heights	L'Académie Vimy Ridge	Strathcona
Braemar	Lauderdale	Victoria
Caernarvon	Laurier Heights	Westglen
Coronation	McArthur	Windsor Park
Fulton Place	Mee-Yah-Noh	

Thermostats

Aldergrove	George H. Luck	Ormsby
Allendale	Idylwylde	Parkview
Argyll	Kate Chegwin	Patricia Heights
Avalon	LaPerle	Queen Alexandra
Belgravia	Lauderdale	Queen Elizabeth
Braemar	Lee Ridge	Ritchie
Brightview	Lendrum	Sakaw
Callingwood	Malmo	Sherbrooke
Crawford Plains	Mary Butterworth	Sherwood
Daly Grove	McArthur	Stratford
Ekota	McNally	Talmud Torah
Ellerslie EJH	Meyokumin	Thorncliffe
Elmwood	Meyonohk	Weinlos
Garneau	Mount Pleasant	Westglen

Steam Traps

Academy at King Edward	McCauley	Queen Elizabeth
Argyll	Mill Creek	Rutherford
Avonmore	Mount Pleasant	Spruce Avenue
Eastglen	Newton	Strathearn EJH
Fulton Place	North Edmonton	Virginia Park
Idylwylde	Ottewell	Westglen
King Edward	Queen Alexandra	Westminster

Proposed 2000 Major Maintenance Plan

Abbott	Replace sinks
Abbott	Replace intercom system
Afton	Upgrade electrical system to accommodate technology
Afton	Replace sinks
Alex Taylor	Replace galvanized water piping
Athlone	Provide hot water heating
Bannerman	Replace carpets
Brightview	Upgrade electrical system to accommodate technology
Brightview	Replace flooring throughout
Britannia	Replace security system
Britannia	Upgrade second floor washrooms
Capilano	Replace sinks
Centennial	Replace carpets
Clara Tyner	Upgrade electrical system to accommodate technology
Clara Tyner	Replace intercom system
Clara Tyner	Replace security system
D.S. MacKenzie	Upgrade electrical system to accommodate technology
Dan Knott	Replace carpets
Dan Knott	Reroofing of Area 1A
Delton	Replace security system
Dickinsfield	Replace security system
Donnan	Replace exterior doors
Donnan	Upgrade washrooms
Duggan	Upgrade electrical system to accommodate technology
Duggan	Replace security system
Ekota	Replace intercom system
Ekota	Replace security system
Evansdale	Replace carpets
Evansdale	Expand parking lot
Fraser	Replace carpets
Glengarry	Upgrade electrical system to accommodate technology
Glengarry	Replace security system
Gold Bar	Replace corridor and classroom flooring
Grace Martin	Replace sinks
Grace Martin	Reroofing of entire building
Grandview Heights	Reroofing of entire building
Greenfield	Replace sinks
Greenview	Replace carpets
Grovenor	Replace sinks
Harry Ainlay	Replace two S/A units
Highlands	Replace vestibule doors
Homesteader	Replace intercom system
Horse Hill	Improve interior drainage
Inglewood	Replace intercom system
J.A. Fife	Asbestos removal phase 2 of 2
J.A. Fife	Upgrade electrical system to accommodate technology
Kameyosek	Replace carpets

Proposed 2000 Major Maintenance Plan (continued)

Kameyosek	Replace intercom system
Kameyosek	Replace security system
Kensington	Replace security system
Lago Lindo	Reroofing of area 1
Lansdowne	Replace security system
Laurier Heights	Reroofing of area 2
Lendrum	Upgrade electrical system to accommodate technology
Lendrum	Replace security system
Londonderry	Upgrade electrical system to accommodate technology
Lorelei	Improve site drainage
McDougall	Replace floor tile
McDougall	Replace windows
McKee	Upgrade electrical system to accommodate technology
McKernan	Upgrade electrical system to accommodate technology
McKernan	Replace security system
Mee-Yah-Noh	Replace corridor flooring
Newton	Replace intercom system
North Edmonton	Upgrade electrical system to accommodate technology
North Edmonton	Replace intercom system
Parkallen	Replace intercom system
Parkallen	Replace security system
Parkview	Replace corridor flooring – west wing
Patricia Heights	Reroofing of entire building
Portables	Reroofing of ten portables
R.J. Scott	Replace floor tile
R.J. Scott	Replace intercom system
Rio Terrace	Replace intercom system
Richard Secord	Replace carpets
Ross Sheppard	Upgrade science fume hoods
Sifton	Replace intercom system
Steele Heights	Upgrade electrical system to accommodate technology
Steele Heights	Replace security system
Steinhauer	Replace intercom system
Stratford	Replace security system
Strathearn	Reroofing of entire building
Sweet Grass	Replace carpets
Thorncliffe	Replace security system
Unidentified	Emergent needs
Various	Hazardous materials assessment program
Vernon Barford	Upgrade electrical system to accommodate technology
Victoria	Replacement of auditorium stage fire curtain
Victoria	Replace Bradley basins (sinks)
W.P. Wagner	Replace fire alarm system
Westglen	Replace sinks
Westlawn	Upgrade electrical system to accommodate technology
Westmount	Replace floor tile
Windsor Park	Reroofing of area 1
York	Upgrade electrical system to accommodate technology

Life, Health and Safety

Fire Code Upgrades

This is an on-going program to upgrade the district's fire alarm systems and other safety provisions in schools such as smoke and heat detectors. Westview Village was put on hold due to lack of student enrollment. Sherbrooke was added due to increased enrollment.

Brander Gardens	Lee Ridge
Caernarvon	Sherbrooke
Edith Rogers	Westview Village

Water Cross-Connection Devices

This is the final year of a seven-year plan to install water cross-connection devices in all of the district's buildings and is a requirement of a City of Edmonton by-law.

Abbott	Prince Rupert
Argyll	Sherbrooke

Security System Replacements

This is an on-going program to replace school security systems. Scott Robertson and Rutherford were completed in a previous budget. Kensington is deferred to a future capital plan.

Aldergrove	Kensington	Scott Robertson
Allendale	Kildare	Sherwood
Brander Gardens	Lauderdale	Spruce Avenue
Fulton Place	Montrose	Steinhauer
Garneau	Patricia Heights	Vernon Barford
High Park	R.J. Scott	Westglen
Holyrood	Richard Secord	Windsor Park
Homesteader	Rio Terrace	York
John Barnett	Rutherford	

Intercom System Replacements

This is an on-going program to upgrade school intercom systems and provide systems in schools that do not currently have one.

Aldergrove	Garneau	Scott Robertson
Allendale	Glenora	Sherbrooke
Brander Gardens	High Park	Sherwood
Caernarvon	Lansdowne	Spruce Avenue
Donnan	Queen Mary Park	Vernon Barford
Fulton Place	Satoo	York

Asbestos Removals

These are on-going projects within the asbestos management program and are identified annually based on need. It is intended to continue this program until all the asbestos in the district's buildings has been removed.

Jasper Place	Removal of asbestos in return air system. Phase 4 of four
J.A. Fife	Removal of asbestos in classrooms. Phase 1 of two

Washroom Upgrades

This is an on-going program based on need and includes replacement of sinks and faucets or complete washroom upgrades.

Aldergrove	Edith Rogers	Ormsby
Bannerman	Fraser	Parkview
Baturyn	Greenview	Pollard Meadows
Belmead	Homesteader	Princeton
Belmont	Horse Hill	Rideau Park
Britannia	Kameyosek	Satoo
Callingwood	Kensington	Scott Robertson
Centennial	Kirkness	Sherwood
Coronation	Lauderdale	Strathearn
Dan Knott	Lymburn	Tipaskan
Delton	McArthur	Wellington
Dickinsfield	Menisa	York
Duggan	Meyokumin	

The estimated cost of life and health safety projects is \$2,007,988.

Building Envelope

Re-Roofing

This is an on-going program based on life-cycle replacement and condition assessment.

Academy at King Edward	Original building
Avalon	Areas 1 & 2
Elmwood	Areas 1, 2, & 3
Hazeldean	1972 addition
Killarney	Area 3
M.E. LaZerte	½ of area 3
Ottewell	Areas 1 and 2
Scott Robertson	Areas 1, 2 & 3
Portables	Reroofing of 10 portables

Window Replacement

This is an on-going program based on need.

Eastwood	All windows
Winterburn	Clerestory assembly

Attic Insulation

These are on-going projects based on need.

Bennett Centre	Original building
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The estimated cost of building envelope projects is \$1,386,377.

Building Systems and Components

Mechanical Heating System Replacements

This is an on-going program to replace or upgrade heating and ventilation systems that cannot sustain comfort levels in the classroom.

Avalon	Modifications to the heating and ventilation systems
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Mechanical System Replacements

This is an on-going program to replace failed or obsolete plumbing and drainage systems.

Parkdale	Replace galvanized water piping
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Structural Repairs

This is an on-going program based on need.

None identified at this time.

Flooring

This is an on-going program to replace flooring that is no longer maintainable.

Academy at King Edward	Provide hardwood flooring in gymnasium
Belmont	Replace pod carpets
Coronation	Replace classroom flooring
Dunluce	Replace pod carpets
Fulton Place	Replace corridor and classroom flooring
Glenora	Provide hardwood flooring in gymnasium
McArthur	Replace gymnasium flooring
McDougall	Stabilize gym floor
McKernan	Provide hardwood flooring in the east gymnasium
Overlanders	Replace carpet
Pollard Meadows	Replace carpet
Queen Elizabeth	Replace flooring in classrooms – 1961 addition
Vernon Barford	Replace corridor flooring

The estimated cost of building systems and components projects is \$1,083,480.

Delivery of Educational Programming

These projects typically include school requested upgrading projects to specific areas of the buildings such as science rooms, libraries, and computer rooms. The district's technology plan has accelerated the need to upgrade the electrical distribution systems in a significant number of schools and these projects will continue to be given priority.

Electrical Systems Upgrades

This is an on-going program to provide more electrical outlets in the classrooms to accommodate technology. J.A. Fife and Lendrum were deferred until the 2000 MMP.

Abbott	Holyrood	Richard Secord
Athlone	J.A. Fife	Scott Robertson
Beacon Heights	Lauderdale	Westglen
Brookside	Lendrum	Windsor Park
Garneau	Montrose	
High Park	Queen Mary Park	

Other School Requested Projects

The upgrading of teaching spaces to enhance program delivery.

Academy at King Edward	Restore second floor multi-purpose space
Harry Ainlay	Upgrade chemistry lab
Strathearn	Upgrade computer lab

The estimated cost of educational programming projects is \$468,675.

Wheelchair Accessibility and Special Needs Upgrading

These projects typically include the provision of elevators, wheelchair ramps and other specific needs. It is intended to focus on the needs of specific district sites in this and future years until all district sites have been upgraded.

Special Needs Upgrading

This is an on-going program to provide facility upgrades for special needs.

Scott Robertson	Upgrade district site for the Dependant Handicapped
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The estimated cost of wheelchair accessibility and special needs projects is \$85,000.

Modernizations

These projects are used to complement the scope of work on approved major modernizations funded by Alberta Education through the district's capital plan.

None identified at this time

Site Improvements

These projects typically include the provision of, or the improvement to, site drainage, drop-off lanes, parking lots and paved play areas.

Eastwood	Relocate parking lot to a safer location
Mayfield	Restructure student drop-off area
Rideau Park	Cost shared drop-off lane with the City of Edmonton

The estimated cost of site improvement projects is \$269,308.

Emergent Needs

In addition to the project categories listed above, emergent replacement of mechanical components such as furnace heat exchangers, hot water tanks and water lines are dealt with on an emergent basis.

The budgeted cost for emergent projects is \$350,000.

A list of emergent projects commences on page 20.

Additional Projects

If the projects noted above can be completed for less than the estimated costs, the remaining funds will be directed to the replacement of floor coverings.

EXTERIOR PAINT PROGRAM

The allocation for the district's exterior paint program is \$420,000 and is managed centrally in the Maintenance Services budget.

The exteriors of the following facilities are scheduled to be painted in the 1999-2000 budget year.

Afton	Keheewin	Overlanders
Avalon	L. Y. Cairns	Parkview
Callingwood	Lansdowne	Prince Charles
Centennial	LaPerle	Princeton
Coronation	Lawton	Queen Mary Park
Crawford Plains	Lee Ridge	Satoo
Delwood	Malmo	Tipaskan
Earl Buxton	Meyokumin	Velma E. Baker
Elmwood	Michael A. Kostek	Virginia Park
George H. Luck	Minchau	W. P. Wagner
Hillcrest	Northmount	Waverley
Kate Chegwin		Westbrook

In addition, the exteriors of ten portables are scheduled to be painted in the 1999-2000 budget year.

LIFE CYCLE REPAIR/REPLACEMENT OF HEATING VALVES AND CONTROLS

This is the first year of a continuing program based on a seven-year life cycle for the repair and/or replacement of heating valves and controls. This program is not funded by the BQRP but through special maintenance allocations of \$400,000 to the schools listed below.

Abbott	Grandview Heights	M. E. LaZerte	Queen Mary
Alex Taylor	Greenfield	Malcolm Tweddle	Park
Allendale	Griesbach	McArthur	Rio Terrace
Beacon Heights	Hardisty	McArthur	Ritchie
Belvedere	Hazeldean	McKernan	Riverbend
Bonnie Doon	Highlands	Meadowlark	S. Bruce Smith
Brander Gardens	Hillcrest	Menisa	Scott
Centennial	Holyrood	Mill Creek	Robertson
Coronation	Homesteader	Mount Royal	Spruce Avenue
Crestwood	Inglewood	North Edmonton	Strathcona
Dan Knott	J. Percy Page	Old Scona	Vernon Barford
Delton	Jasper Place	Oliver	Victoria
Donnan	Keheewin	Overlanders	Wellington
Earl Buxton	King Edward	Parkallen	Windsor Park
Edith Rogers	Kirkness	Parkdale	Winterburn
Ellerslie Primary	Lauderdale	Princeton	
Forest Heights	Laurier Heights	Queen	
Fraser	Lawton	Elizabeth	
Fulton Place	Lendrum		

1999 Major Maintenance Plan

School	Project
Abbott	Electrical upgrading to accommodate technology
Academy at King Edward	Reroofing – original building
Academy at King Edward	Provide hardwood flooring in gymnasium
Academy at King Edward	Restore ancillary space
Aldergrove	Replace sinks and faucets
Aldergrove	Replace intercom system
Aldergrove	Replace security system
Allendale	Replace intercom system
Allendale	Replace security system
Athlone	Electrical upgrading to accommodate technology
Avalon	Reroofing – Areas 1 & 2
Avalon	Modifications to the heating and ventilation systems
Bannerman	Replace sinks and faucets
Baturyn	Replace sinks and faucets
Beacon Heights	Electrical upgrading to accommodate technology
Belmead	Replace sinks and faucets
Belmont	Replace sinks and faucets
Belmont	Replace pod carpets
Bennett Centre	Insulate ceiling space of original building
Brander Gardens	Replace fire alarm system
Brander Gardens	Replace security system
Brander Gardens	Replace intercom system
Britannia	Upgrade washrooms
Brookside	Electrical upgrading to accommodate technology
Caernarvon	Replace intercom system
Caernarvon	Fire code upgrading – pod exits
Callingwood	Replace sinks and faucets
Centennial	Replace sinks and faucets
Coronation	Replace classroom flooring
Coronation	Replace sinks and faucets
Dan Knott	Replace sinks and faucets
Delton	Replace sinks and faucets
Dickinsfield	Replace sinks and faucets
Donnan	Replace intercom system
Duggan	Replace sinks and faucets
Dunluce	Replace pod carpets
Eastwood	Replace windows
Eastwood	Relocate parking lot to a safer location
Edith Rogers	Replace fire alarm system
Edith Rogers	Replace sinks and faucets
Elmwood	Reroofing - Areas 1, 2 and 3
Fraser	Replace sinks and faucets
Fulton Place	Replace intercom system
Fulton Place	Replace intercom system

1999 Major Maintenance Plan (continued)

School	Project
Fulton Place	Replace corridor and classroom flooring
Garneau	Replace intercom system
Garneau	Replace security system
Glenora	Provide intercom system
Glenora	Provide hardwood flooring in gymnasium
Greenview	Replace sinks and faucets
Harry Ainlay	Upgrade science lab
Hazeldean	Reroofing – 1972 addition
High Park	Provide intercom system
High Park	Replace security system
High Park	Electrical upgrading to accommodate technology
Holyrood	Replace security system
Holyrood	Electrical upgrading to accommodate technology
Homesteader	Replace sinks and faucets
Homesteader	Replace security system
Horse Hill	Replace sinks and faucets
J.A. Fife	Asbestos removal
J.A. Fife	Electrical upgrading to accommodate technology Phase 1 of 2
Jasper Place	Asbestos removal – Phase 4 of 4
John Barnett	Replace security system
Kameyosek	Replace sinks and faucets
Kensington	Replace sinks and faucets
Kensington	Replace security system
Kildare	Replace security system
Killarney	Reroofing – Area 3
Kirkness	Replace sinks and faucets
Lansdowne	Replace intercom system
Lauderdale	Replace sinks and faucets
Lauderdale	Replace security system
Lauderdale	Electrical upgrading to accommodate technology
Lee Ridge	Replace fire alarm system
Lendrum	Electrical upgrading to accommodate technology
Lymburn	Replace sinks and faucets
M.E. LaZerte	Reroofing – ½ of Area 3
Mayfield	Restructure student drop-off area
McArthur	Replace sinks and faucets
McArthur	Reroofing – Areas 1 and 2
Overlanders	Replace carpet
Parkdale	Replace exterior doors
Parkdale	Replace water piping
Parkview	Replace sinks and faucets
Patricia Heights	Replace security system
Pollard Meadows	Replace sinks and faucets
Pollard Meadows	Replace carpet
Princeton	Replace Bradley basins

1999 Major Maintenance Plan (continued)

School	Project
Queen Elizabeth	Replace flooring in classrooms – 1961 edition
Queen Mary Park	Provide intercom system
Queen Mary Park	Electrical upgrading to accommodate technology
R.J. Scott	Replace security system
Richard Secord	Replace security system
Richard Secord	Electrical upgrading to accommodate technology
Rideau Park	Replace sinks and faucets
Rideau Park	Cost shared site improvement with The City of Edmonton
Rio Terrace	Replace security system
Rutherford	Replace security system
Satoo	Reroofing of the pods
Satoo	Replace sinks and faucets
Satoo	Replace intercom system
Scott Robertson	Replace sinks and faucets
Scott Robertson	Replace intercom system
Scott Robertson	Replace security system
Scott Robertson	Reroofing – Areas 1, 2 and 3
Scott Robertson	Electrical upgrading to accommodate technology
Scott Robertson	Upgrade district site for the Dependant Handicapped
Sherbrooke	Replace fire alarm system
Sherbrooke	Replace intercom system
Sherwood	Replace sinks and faucets
Sherwood	Replace security system
Sherwood	Replace intercom system
Spruce Avenue	Replace intercom system
Spruce Avenue	Replace security system
Steinhauer	Replace security system
Strathearn	Upgrade washrooms
Strathearn	Upgrade computer lab
Tipaskan	Replace sinks and faucets
Unidentified	Provide water cross-connection devices
Unidentified	Emergent needs
Vernon Barford	Replace intercom system
Vernon Barford	Replace security system
Vernon Barford	Replace corridor flooring
Wellington	Replace sinks and faucets
Westglen	Electrical upgrading to accommodate technology
Westview Village	Replace fire alarm system
Windsor Park	Replace security system
Windsor Park	Electrical upgrading to accommodate technology
Winterburn	Replace clerestory assembly
York	Replace sinks and faucets
York	Replace intercom system
York	Replace security system

1999 Major Maintenance Plan Emergent Projects

Academy at King Edward	Replace hot water heater
Alex Taylor	Replace south exterior stair
Avonmore	Upgrade girls' washrooms
Avonmore	Replace hot water heater – north boiler room
Avomore	Replace hot water heater – south boiler room
Balwin	IAQ – duct cleaning
Beacon Heights	Replace failed expansion tank
Bellevue	Asbestos removal return air plenum
Belmont	Replace interior finishes
Bonnie Doon	Replace failed domestic HW recirculating pump
Brander Gardens	Replace heat exchanger – Pod #13
Brightview	Replace boiler gas valve
Brightview	Replace gas valve on boiler
Britannia	Replace furnace #2 – east mechanical room
Brookside	Replace shaft on main supply fan
Brookside	Replace compressor
Caernarvon	Replace HW circulating pumps
Caernarvon	Replace water main
Clara Tyner	Replace water main
D.S. MacKenzie	Replace gas valve on boiler
Duggan	Asbestos removal – furnace room
Eastglen	Lead abatement – rifle range
Eastwood	Replace front entrance
Ellerslie EJH	Replace heat exchanger – roof top unit AS1
Ellerslie Primary	Portable 21 – Install fresh air intake to furnace
Garneau	Asbestos removal fan plenum
Glenora	Replace furnace #5 – north furnace room
Grace Martin	Replace hot water heater
Grandview Heights	Replace compressor
Griesbach	Replace concrete steps – west entrance
Harry Ainlay	Remove asbestos overspray in R/A ducts
Homesteader	Replace furnace room #5
Horse Hill	Replace heat exchanger – furnace #2
Horse Hill	Replace fire exit stair
J. Percy Page	Replace hot water heater
J. A. Fife	Replace water main
Kildare	Replace hot water heater
L.Y. Cairns	Replace two obsolete furnaces – greenhouse
L.Y. Cairns	Replace domestic HW boiler with hot water heaters
L'Academie Vimy Ridge Academy	Remove asbestos insulation in pipe chases
Lago Lindo	Replace heat exchanger – Portable 235
Lawton	Replace hot water heater
Lorelei	Replace furnace – Room #21
Lorelei	Replace furnace – Room #8
Lorelei	Replace furnace – Room #19
Lynnwood	Replace failed hot water heater

1999 Major Maintenance Plan Emergent Projects (continued)

McCauley	Replace hot water heater
McCauley	Replace condensate piping
McDougall	Replace hot water heater
Meyokumin	Replace furnace – Pod 11
Mill Creek	Remove failed hot water storage tank
Mount Pleasant	Replace compressor pump
Newton	Replace hot water heater
Prince Charles	Replace expansion tank
Prince Charles	Replace condensate tank
Princeton	Replace roof top heat exchanger
Queen Elizabeth	S/A diffuser asbestos removal
Rideau Park	Replace boiler
Satoo	Replace heat exchanger – Pod 7
Satoo	Replace heat exchanger – Pos 12
Scott Robertson	Replace compressor
Steele Heights	Replace expansion tank
Steinhauer	Install wheelchair ramp
Stratford	Replace burner – boiler #1
Stratford	Replace failed compressor
Thorncliffe	Replace drain line
Vernon Barford	Replace obsolete furnace – Portable 50
Vernon Barford	Replace heat exchanger – Portable 148
Victoria	Replace furnace #1 – Kingsway Annex
Victoria	Replace furnace #2 - Kingsway Annex
Victoria	Lead abatement – rifle range
W.P. Wagner	Asbestos abatement – football room
Waverley	Replace failed compressor
Wellington	Remedial structural repairs
Westminster	Asbestos removal return air plenum
Westminster	Remedial structural repairs to window sills
Westmount	Resecure coping stones

PROPOSED FIVE YEAR LIFE-CYCLE REPLACEMENT PROGRAM

The ability to undertake the projects listed is dependent on government funding and emergent issues.

Life, Health and SafetyFire Code Upgrades

This is an on-going program to upgrade the district's fire alarm systems and other safety provisions in schools such as smoke and heat detectors.

2001	2002	2003	2004	2005
Grace Martin	Dickinsfield	Alex Taylor	Delton	Academy at
McLeod	Evansdale	Belmead	McDougall	King Edward
Overlanders	John Barnett	LaPerle	North Edmonton	Eastwood
Sherwood		McCauley	Westglen	Garneau
		Queen Alexandra		Rutherford

Security System Replacements

This is an on-going program to replace school security systems. With the completion of the 2004 Major Maintenance Plan, all security systems will be updated.

2001	2002	2003	2004	2005
Avonmore	Avalon	Bellevue	Abbott	Eastglen
Belvedere	Bannerman	Centennial	Daly Grove	Ellerslie Primary
Callingwood	Crawford Plains	Ellerslie EJM	Dan Knott	J. Percy Page
Delwood	Grace Martin	Evansdale	Earl Buxton	Lago Lindo
Grandview Heights	Killarney	Hillview	Fraser	McDougall
J.A. Fife	Kirkness	Horse Hill	Highlands	Rosslyn
Lee Ridge	LaPerle	Lymburn	John.D. Bracco	
Lendrum	Prince Rupert	Parkdale	Julia Kiniski	
Mount Royal		Tipaskan	Kate Chegwin	
Sifton		Winterburn	North Edmonton	
Sweet Grass				

Intercom System Replacements

This is an on-going program to upgrade school intercom systems and provide systems in schools that do not currently have one. With the completion of the 2004 Major Maintenance Plan, all intercom systems will be updated.

2001	2002	2003	2004	2005
Grandview Heights	Beacon Heights	Hillview	Alex Taylor	Eastwood
Grovenor	Belmead	L'Académie Vimy	Bannerman	Kirkness
Hillcrest	Belmont	Ridge Academy	Baturyn	LaPerle
Inglewood	Elmwood	Lauderdale	Clara Tyner	McDougall
King Edward	Grace Martin	Pollard Meadows	Delton	Ormsby
Minchau	Queen Alexandra	Rosslyn	Keheewin	
Rideau Park	Strathcona	Tipaskan	Mill Creek	
Sifton	Windsor Park			
Victoria	Woodcroft			

Asbestos Removals

These are on-going projects within the asbestos management program and are identified annually based on the district's Hazardous Materials Management Program. It is intended to continue this program until all the asbestos in the district's buildings has been removed. Priorities will be set upon completion of the program.

2001	2002	2003	2004	2005
None identified at this time.	None identified at this time.	None identified at this time.	None identified at this time.	None identified at this time.

Washroom Upgrades

This is an on-going program based on need and includes replacement of sinks and faucets or complete washroom upgrades.

2001	2002	2003	2004	2005
McDougall	Strathcona	Mount Royal	Argyll	Rosslyn
Gold Bar		Highlands	Satoo	

Building Envelope

Re-Roofing

This is an on-going program based on life-cycle replacement and condition assessment.

2001	2002	2003	2004	2005
Abbott	Capilano	Britannia	Afton	Belmead
Aldergrove	Gold Bar	Evansdale	D.S. MacKenzie	Dickinsfield
Dan Knott	Harry Ainlay	Glengarry	Forest Heights	Greenfield
Duggan	Jasper Place	High Park	Malmo	Londonderry
Harry Ainlay	Lawton	L.Y. Cairns	Portables	Northmount
Jasper Place	Malcolm Tweddle	M.E. LaZerte	Ross Sheppard	Parkallen
Jasper Place	McLeod	McKee	Strathcona	Portables
Laurier Heights	Ottewell	Sifton	W.P. Wagner	
Ottewell	Rundle	Portables		
Parkview	Waverley			
Portables	Portables			
Queen Elizabeth				
Wellington				

Window Replacement

This is an on-going program based on need.

2001	2002	2003	2004	2005
Queen Alexandra	Coronation	Athlone	Alex Taylor	Argyll
Inglewood	Avonmore	Victoria		

Exterior Door Replacement

This is an on-going program based on need.

2001	2002	2003	2004	2005
Forest Heights	Victoria	Inglewood	Prince Charles	Delton
Lawton		Alex Taylor	Brightview	Balwin
Parkdale				

Building Systems and Components

Mechanical Heating System Replacements

This is an on-going program to replace or upgrade heating and ventilation systems that cannot sustain comfort levels in the classroom.

2001	2002	2003	2004	2005
Dan Knott Princeton	Garneau - boiler J.A. Fife	Edith Rogers Westglen	Abbott Ellerslie EJM Mill Creek	Garneau – roof top unit Jasper Place Rosslyn Westmount

Replacement of Mechanical Systems Controls

This is an on-going program to replace failed or obsolete energy management systems.

2001	2002	2003	2004	2005
Kildare Lymburn Steele Heights	Delwood Wellington			

Replacement of Water Piping

2001	2002	2003	2004	2005
McCauley Old Scona Queen Alexandra	Highlands Westmount	Academy at King Edward Garneau	Glenora Westglen	Delton Griesbach Spruce Avenue

Structural Repairs

This is an on-going program based on need. The projects listed will re-secure the parapet walls.

2001	2002	2003	2004	2005
Wellington	McKernan Wellington	Eastwood	McCauley	

Flooring

This is an on-going program to replace flooring that is no longer maintainable.

2001	2002	2003	2004	2005
Menisa Meyokumin Mill Creek Ormsby Rosslyn Sherwood Thorncliffe	Balwin Mill Creek Newton Rutherford Sakaw	Belvedere Hardisty	D.S. MacKenzie North Edmonton Queen Elizabeth	Ellerslie EJM Malcolm Tweddle Parkallen Windsor Park

Delivery of Educational Programming

These projects typically include school requested upgrading projects to specific areas of the buildings such as science rooms, libraries, and computer rooms. The district's technology plan accelerated the need to upgrade the electrical distribution systems in a significant number of schools. With the completion of the 2000 MMP, electrical upgrading has been accomplished in 78 schools with a total expenditure of \$3,132,000.

Wheelchair Accessibility and Special Needs Upgrading

These projects typically include the provision of elevators, wheelchair ramps and other specific needs. It is intended to focus on the needs of specific district sites in this and future years until all district sites have been upgraded.

Special Needs Upgrading

This is an on-going program to provide facility upgrades for special needs.

Modernizations

These projects are used to complement the scope of work on approved major modernizations funded by Alberta Infrastructure through the district's capital plan.

Site Improvements

These projects typically include the provision of, or the improvement to, site drainage, drop-off lanes, parking lots and paved play areas.

2001	2002	2003	2004	2005
Unidentified cost shared drop-off lane with the City of Edmonton	Unidentified cost shared drop-off lane with the City of Edmonton	Unidentified cost shared drop-off lane with the City of Edmonton	Unidentified cost shared drop-off lane with the City of Edmonton	Unidentified cost shared drop-off lane with the City of Edmonton

Emergent Needs

In addition to the project categories listed above, emergent replacement of mechanical components such as furnace heat exchangers, hot water tanks and water lines are dealt with on an emergent basis.

The annual budgeted cost for emergent projects is \$500,000.

Additional Projects

If the projects noted above can be completed for less than the estimated costs, the remaining funds will be directed to the replacement of floor coverings.

EXTERIOR PAINT PROGRAM

The allocation for the district's exterior paint program is \$420,000 and is managed centrally in the Maintenance Services budget.

The exteriors of the following facilities are scheduled to be painted in the following budget years.

2001	2002	2003	2004	2005	2006
Aldergrove	Afton	Academy at King	Belmont	Abbott	Athlone
Bellevue	Belgravia	Edward	Brookside	Avalon	Avonmore
Belmead	Capilano	Alex Taylor	Calder	Baturyn	Clara Tyner
Belvedere	Coronation	Allendale	Daly Grove	Brightview	Donnan
Braemar	D.S. MacKenzie	Argyll	Dan Knott	Britannia	Duggan
Caernarvon	Delton	Balwin	Dickinsfield	Callingwood	Edith Rogers
Crestwood	Delwood	Bannerman	Ekota	Centennial	Evansdale
Dovercourt	Ellerslie Elem.	Beacon Heights	Holyrood	Crawford Plains	Glengarry
Eastglen	Ellerslie Jr.	Bennett Centre	J. Percy Page	Dunluce	Greenfield
Forest Heights	Garneau	Bisset	Julia Kiniski	Earl Buxton	Grovenor
Fulton Place	Glendale	Brander Gardens	Laurier Heights	Elmwood	Hazeldean
Gold Bar	Grandview Hts.	Eastwood	Lymburn	Fraser	High Park
Grace Martin	Hardisty	Greenview	Meadowlark	George H. Luck	Highlands
Idylwyld	Inglewood	Harry Ainlay	Menisa	Glenora	Hillview
J. A. Fife	Jasper Place	Kameyosek	Meyonohk	Griesbach	Homesteader
Lauderdale	John Barnett	King Edward Elem	Mount Pleasant	Hillcrest	Kildare
McCauley	Kenilworth	L'Académie Vimy	Newton	Horse Hill	Killarney
McKee	Malcolm Tweddle	Ridge Academy	Norwood	James Gibbons	Lorelei
McNally	McDougall	LaPerle	Old Scona	John D. Bracco	Lynnwood
Mee-Yah-Noh	Mount Royal	Lawton	Oliver	Kate Chegwin	McArthur
Mill Creek	Parkdate	Lendrum	Parkview	Keheewin	McKernan
Montrose	Ottewell	M.E. LaZerte	Patricia Heights	Kensington	Ormsby
North Edmonton	Queen Alexandra	Mayfield	Princeton	Kirkness	Pollard Meadows
Northmount	Queen Elizabeth	McLeod	Queen Mary Park	L.Y.Cairns	Rosslyn
Parkallen	Steele Heights	Overlanders	Rideau Park	Lago Lindo	Rundle
Sakaw	Steinhauer	Prince Charles	Ritchie	Lansdowne	S.Bruce Smith
Scott Robertson	Talmud Torah	Richard Secord	Riverbend	Lee Ridge	Vernon Barford
Sherwood	Thorncliffe	Rio Terrace	Riverdale	Londonderry	Victoria
Strathcona	Westlawn	Sweet Grass	Ross Sheppard	Malmo	Weinlos
	Westmount	Virginia Park	Rutherford	Mary Butterworth	Westview Village
		Wellington	Strathearn Jr.	Meyokumin	
		Windsor Park	T.D. Baker	Michael A. Kostek	
		Woodcroft	Terrace Heights	Minchau	
		Youngstown	Westglen	R.J. Scott	
			Westminster	Satoo	
			York	Sifton	
				Spruce Avenue	
				Stratford	
				Tipaskan	
				Velma E. Baker	
				W.P. Wagner	
				Waverley	
				Westbrook	
				Winterburn	

In addition, the exteriors of ten portables are scheduled to be painted in each of the budget years.

LIFE CYCLE REPAIR/REPLACEMENT OF HEATING VALVES AND CONTROLS

This is a continuing program based on a five to eight-year life cycle for the repair and/or replacement of heating valves and controls. This program is not funded by the BQRP but through special annual maintenance allocations of \$400,000 to the schools listed below.

Control Valves

2000 - 2001	2001 - 2002	2002 - 2003	2003 - 2004	2004 - 2005	2005 - 2006
Argyll	Academy at King	Balwin	Abbott	Allendale	Alex Taylor
Avonmore	Edward	Bannerman	Afton	Balwin	Belvedere
Beacon Heights	Crestwood	Brander Gardens	Athlone	Bellevue	Delton
Braemar	Evansdale	Brookside	Belgravia	Belmont	Ekota
Caernarvon	Forest Heights	Capilano	Belmead	Britannia	Glendale
Coronation	Glengarry	Clara Tyner	Brightview	Calder	Hazeldean
Fulton Place	Grandview Heights	D.S. MacKenzie	Earl Buxton	Delwood	Highlands
Gold Bar	Grovenor	Dickinsfield	Eastwood	Donnan	Idylwylde
Kensington	Kameyosek	Dunluce	Hardisty	George H. Luck	Lawton
L'Académie Vimy	King Edward	Eastglen	J.D. Bracco	Inglewood	M.E. LaZerte
Ridge Academy	Lendrum	Edith Rogers	Kate Chegwin	Killarney	McLeod
Lauderdale	Londonderry	Ellerslie EJM	Kensington	LaPerle	Mount Pleasant
Laurier Heights	Mayfield	Garneau	Lago Lindo	McCauley	Mount Royal
McArthur	McKernan	Hillcrest	Malmo	McDougall	North Edmonton
Mee-Yah-Noh	McNally	Holyrood	Mary Butterworth	Michael A. Kostek	Parkallen
Ottewell	Northmount	Horse Hill	Menisa	Mill Creek	Parkdale
Queen Alexandra	Patricia Heights	Keheewin	Meyonohk	Montrose	Prince Charles
Strathcona	Pollard Meadows	Kildare	Newton	Old Scona	Queen Elizabeth
Victoria	Prince Rupert	Lee Ridge	Rundle	Steele Heights	Queen Mary Park
Westglen	Princeton	McKee	S. Bruce Smith	Victoria	Scott Robertson
Windsor Park	R.J. Scott	Meyokumin	Sherbrooke	Wellington	Spruce Avenue
	Ritchie	Minchau	Tipaskan		
	Rutherford	Richard Secord	Virginia Park		
	Sherbrooke	Riverbend	Westmount		
	Sifton	Ross Sheppard	Youngstown		
	Stratford	Roslyn			
	Strathearn EJM	Sakaw			
	Vernon Barford	Satoo			
	Waverley	Sherwood			
	Westlawn	Sweet Grass			
	Woodcroft	T.D. Baker			
	York				

Thermostats

2001-2002	2002-2003	2003-2004	2004-2005	2005-2006	2006-2007
Britannia	Abbott	Bellevue	Academy at	Britannia	Abbott
Dunluce	Alex Taylor	Belmead	King Edward	Dunluce	Alex Taylor
Eastglen	Athlone	Belmont	Afton	Eastglen	Athlone
Eastwood	Avonmore	Brookside	Beacon Heights	Eastwood	Avonmore
Glendale	Balwin	Caernarvon	Brander Gardens	Glendale	Balwin
Glengarry	Bannerman	Calder	Centennial	Glengarry	Bannerman
Grace Martin	Baturyn	Clara Tyner	Coronation	Grace Martin	Baturyn
Griesbach	Belvedere	Crestwood	Dan Knott	Griesbach	Belvedere
Inglewood	Bennett Centre	Delton	Donnan	Inglewood	Bennett Centre
J.Percy Page	Bisset	Evansdale	Earl Buxton	J.Percy Page	Bisset
J.D. Bracco	Capilano	Forest Heights	Edith Rogers	J.D. Bracco	Capilano
Jasper Place	D.S.MacKenzie	Greenview	Ellerslie EJM	Jasper Place	D.S.MacKenzie
Julia Kiniski	Delwood	Highlands	Fraser	Julia Kiniski	Delwood
Kameyosek	Dickinsfield	Hillcrest	Fulton Place	Kameyosek	Dickinsfield
Kenilworth	Dovercourt	Horse Hill	Grandview	Kenilworth	Dovercourt
Kensington	Gold Bar	John Barnett	Heights	Kensington	Gold Bar
Kildare	Grovenor	King Edward	Greenfield	Kildare	Grovenor
Lago Lindo	Harry Ainlay	Kirkness	Hardisty	Lago Lindo	Harry Ainlay
Lawton	High Park	L.Y. Cairns	Hazeldean	Lawton	High Park
Lorelei	Hillview	L'Académie	Holyrood	Lorelei	Hillview
Lymburn	Homesteader	Vimy Ridge	Keheewin	Lymburn	Homesteader
McDougall	Killarney	Lansdowne	Laurier Heights	McDougall	Killarney
Mee-Yah-Noh	Londonderry	McCauley	M.E. LaZerte	Mee-Yah-Noh	Londonderry
Minchau	Lynnwood	McKernan	Malcolm	Minchau	Lynnwood
Parkallen	Mayfield	McLeod	Tweddle	Parkallen	Mayfield
Prince Charles	McKee	Montrose	Menisa	Prince Charles	McKee
Prince Rupert	Meadowlark	Mount Royal	Mill Creek	Prince Rupert	Meadowlark
Ross Sheppard	Michael A.	Norwood	Overlanders	Ross Sheppard	Michael A.
Rosslyn	Kostek	Oliver	Parkdale	Rosslyn	Kostek
Rundle	Newton	Pollard	Princeton	Rundle	Newton
Westlawn	North Edmonton	Meadows	Rio Terrace	Westlawn	North Edmonton
Winterburn	Northmount	Queen Mary	Riverbend	Winterburn	Northmount
York	Old Scona	Park	S.Bruce Smith	York	Old Scona
	Ottewell	R.J. Scott	Spruce Avenue		Ottewell
	Riverdale	Richard Secord	Strathcona		Riverdale
	Rutherford	Rideau Park	Vernon Barford		Rutherford
	Satoo	Steinhauer	Victoria		Satoo
	Scott Robertson	Strathearn EJM	Wellington		Scott Robertson
	Sifton	Terrace Heights	Windsor Park		Sifton
	Steele Heights	Tipaskan			Steele Heights
	Sweet Grass	Virginia Park			Sweet Grass
	T.D. Baker	W.P. Wagner			T.D. Baker
	Velma E. Baker	Waverley			Velma E. Baker
	Westbrook	Westmount			Westbrook
		Woodcroft			
		Youngstown			

Steam Traps

2001-2002	2002-2003	2003-2004	2004-2005	2005-2006	2006-2007	2007-2008	2008-2009
Alex Taylor	Braemar	Allendale	Donnan	Forest	Academy at	Athlone	Alex Taylor
Athlone	Grovenor	Eastglen	Fulton Place	Heights	King Edw	Bellevue	Balwin
Balwin	Harry Ainlay	Eastwood	Griesbach	Lendrum	Argyll	Highlands	Coronation
Belgravia	Hillcrest	Ross	Hazeldean	Mill Creek	Avonmore	Queen	Delwood
Bellevue	Killarney	Sheppard	Laurier	Montrose	Belvedere	Elizabeth	Glendale
Capilano	McCauley	Strathcona	Heights	Mount	Crestwood	Queen Mary	Jasper Place
Coronation	McKernan		Mee-Yah-	Pleasant	Delton	Park	Killarney
Delwood	Old Scona		Noh	Mount Royal	Idylwylde	Scott	McCauley
Garneau	Parkdale		North	Newton	Inglewood	Robertson	McDougall
Glendale	Prince		Edmonton	Ottewell	King Edward	Virginia Park	Woodcroft
Gold Bar	Rupert		Parkallen	Strathearn	Lauderdale		
Hardisty	Richard		Westglen	EJH	McArthur		
Highlands	Secord		Westmount	Victoria	Prince		
Holyrood	Sherbrooke				Charles		
Jasper Place	Spruce Ave				Queen		
Kensington	WP Wagner				Alexandra		
McDougall	Woodcroft				Ritchie		
Mee-Yah-					Rutherford		
Noh					Wellington		
Montrose							
Mount Royal							
Queen Mary							
Park							
Scott							
Robertson							
Westmount							
Windsor							
Park							