

EDMONTON PUBLIC SCHOOLS

May 8, 2001

TO: Board of Trustees

FROM: E. Dossall, Superintendent of Schools

SUBJECT: 2001 Major Maintenance Plan

ORIGINATOR: G. Reynolds, Department Head

RESOURCE

STAFF: Mike Brown, Bob Clark, Dick Divine, Sandra Dyck-Stoddard, Brian Fedor, Rodney French, Joan Gibson, Ron Gillen, Terry MacPherson

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 the maintenance of facilities. The funding sources are:

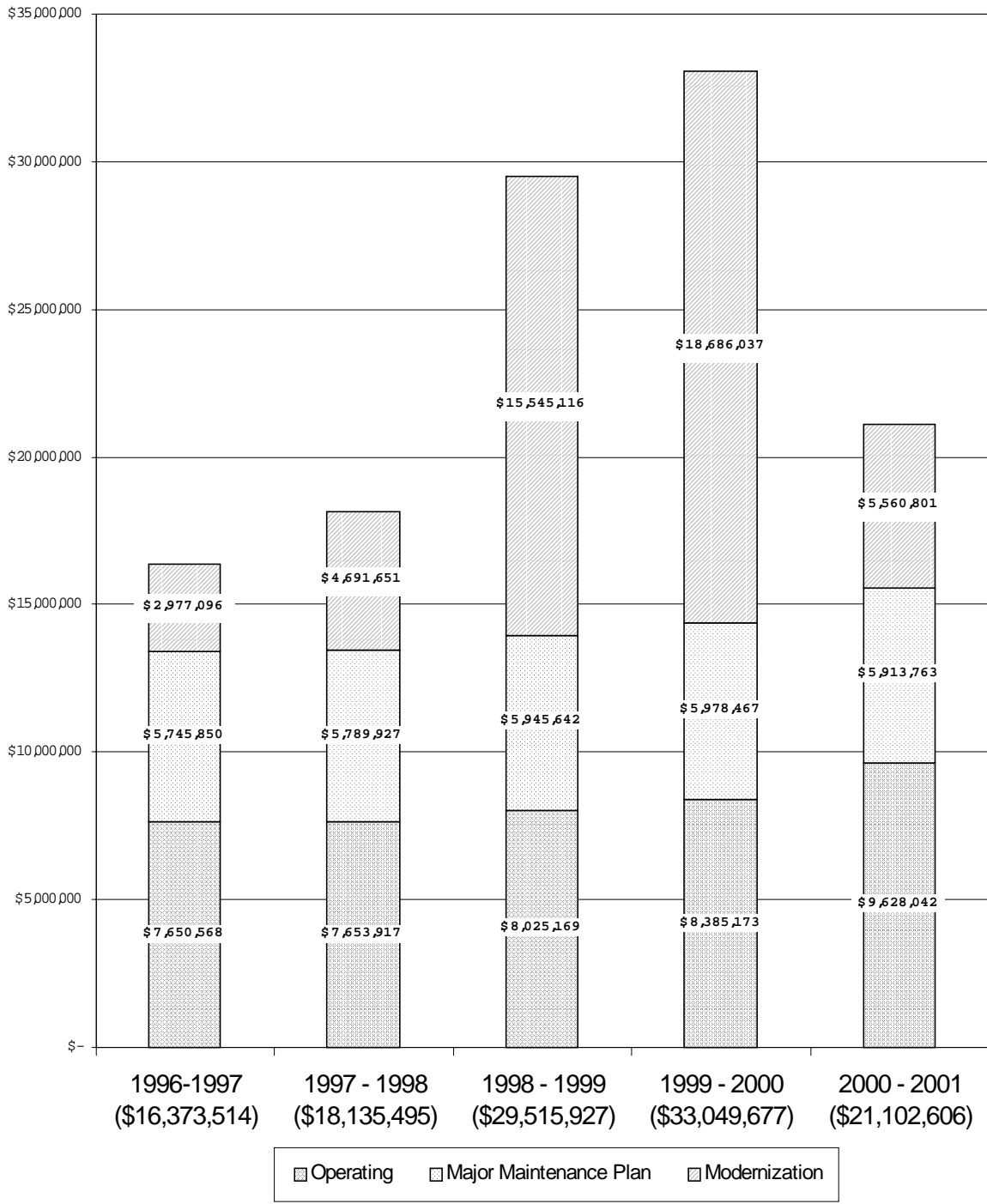
- Operational funds which are allocated from the operating budget of the district and are determined by government formula under the plant operations and maintenance category
- Building Quality Restoration Program (BQRP) funds
- Modernization funds

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 enrolment and 25% on the area of school facilities used by students and staff.

While the government has not yet confirmed the level of 2001 BQRP funding, we anticipate a level similar to 2000. The funds are available from April 1, 2001 until March 31, 2002 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 2002.

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 74 principals in the last seven years, and will continue to rely on principal involvement in the development of the plan and prioritization of projects.

SOURCES OF FACILITIES FUNDING



It should be noted that the operating maintenance allocation shows an increase of \$1.3 million from 1999-2000 to 2000-2001 as shown on the preceding graph. The 2000-2001 allocation reflects increases in grants from the province and within the district's Plant Operating and Maintenance funding.

The development of the 2001 Major Maintenance Plan involved input from school principals and the direct involvement of four principals who participated on a committee to develop the final version.

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 – \$4.0 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 2001 Major Maintenance Plan has been reviewed to establish whether previously identified projects are consistent with current priorities. The resultant 2001 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

- Facilities Services has centrally allocated funding to provide an air system maintenance program, which is designed to improve indoor air quality through cleaning of air systems, which consist of two stages. The first stage will address the cleaning of air coils, reheat coils and univents which are often the main contributors to decreased air quality. An assessment of air quality and airflow will then take place and where necessary, air ducting systems will be cleaned. The program will be carried out on a scheduled basis starting this summer. A four-year schedule has been developed for stage one and it is included in this Major Maintenance Plan. The program is at no cost to the schools.
- In June of 1999, the district employed the services of an external consultant to undertake an assessment of hazardous materials (primarily asbestos) in all district buildings. To date 112 schools have been inspected. This program will be completed with the 2001 Major Maintenance Plan.
- The 2000 MMP funded the completion of electrical upgrades associated with technology. The 2001 MMP includes funding for the relighting of schools. This will be a joint venture using BQRP funds and will involve our partnership with EPCOR. The intent is to improve student learning environments and reduce energy costs.
- All the projects identified in the 2000 Major Maintenance Plan have been completed. 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.
- Should any of the schools listed in the 2001 MMP be approved for modernization funding by Alberta Infrastructure or be impacted by the Concept Development Studies, the work scheduled for that school(s) will be removed from the Major Maintenance Plan and the work will be incorporated into the applicable modernization. Proposed work scheduled for Queen Mary Park and Alex Taylor schools in the plan will be deleted. The funds from deleted projects will be re-allocated to the next Major Maintenance Plan priority(ies).

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APPENDIX I - 2001 Major Maintenance Plan

APPENDIX II - 2000 Major Maintenance Plan

APPENDIX III - Proposed Five-Year Life-Cycle Replacement Program

2001 MAJOR MAINTENANCE PLAN

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 2001 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	replace fire alarm system
Greenfield	replace door hold open devices
McLeod	replace fire alarm system
Overlanders	replace fire alarm system
Sherwood	replace fire alarm system

Security System Replacements

This is an on-going program to replace school security systems. Ellerslie EJH has been deferred. Lendrum was completed in the 2000 MMP.

Avonmore	Grandview Heights	Mount Royal
Belvedere	J.A.Fife	Sifton
Callingwood	Lee Ridge	Sweet Grass
Delwood	Lendrum	
Ellerslie EJH	Menisa	

Intercom System Replacements

This is an on-going program to upgrade intercom systems. John Barnett and Minchau have been deferred to a future plan. Inglewood was completed in a previous plan.

Baturyn	Governor	Menisa
Belmont	Hillcrest	Minchau
Clara Tyner	Inglewood	Rideau Park
Delton	John Barnett	Rutherford
Earl Buxton	King Edward	Sifton
Grandview Heights	Lauderdale	Victoria

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 are based on the hazardous materials assessment of all district schools that commenced in the spring of 1999.

Dan Knott	
Ekota	
Ellerslie	Phase 2 of two
Jasper Place	Phase 4 of four

Washroom Upgrades

These are on-going projects based on need. McDougall has been brought forward from the 2000 MMP.

Avalon	Replace sinks
Ekota	Replace sinks
Goldbar	Replace sinks
Hillview	Replace sinks
McCauley	Provide washroom for special needs students
John A. McDougall	Upgrade washrooms
Meadowlark	Replace sinks
Ottewell	Replace sinks
Ritchie	Replace sinks
Rutherford	Replace sinks
Sweetgrass	Replace sinks
Thorncliffe	Replace faucets

The estimated cost of life and health safety projects is \$274,000.

Building Envelope

Re-Roofing

These are on-going projects based on life-cycle replacement and condition assessment.

Abbott	Reroofing areas 1, 2, 3.
Aldergrove	Reroofing of pods
Crawford Plains	Reroofing of shingled area
Duggan	Reroofing of area 1
Grace Martin	Reroofing
Harry Ainlay	Reroofing of areas 4 and 6
Jasper Place	Reroofing of area 12
Kirkness	Reroofing
Laurier Heights	Reroofing of area 1
Old Scona	Reroofing
Ottewell	Reroofing of areas 3 and 4
Parkview	Reroofing of areas 4 and 5
Queen Elizabeth	Reroofing of area 7
Tipaskan	Reroofing
Wellington	Reroofing of areas 2 and 3

Window Replacement

These are on-going projects based on need.

Coronation
Inglewood

Exterior Door Replacement

These are on-going projects based on need.

Athlone
Forest Heights
Lawton

The estimated cost of building envelope projects is \$2,342,000.

Building Systems and Components

Mechanical Heating System Replacements

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

Dan Knott	Replace gas fired roof top units.
Princeton	Replace gas fired roof top units.

Mechanical System Upgrading

This is an on-going program to replace obsolete plumbing, drainage and ventilation systems and to reduce energy consumption.

Britannia	Replace ductwork
Evansdale	Upgrade gymnasium and music room ventilation
Hardisty	Replace hot water tank
Jasper Place	Replace cooling tower
Kildare	Replace energy management system
Lorelei	Replace furnaces
Lymburn	Replace energy management system
McCaughey	Replace galvanized water piping
Old Scona	Replace galvanized water piping
Queen Alexandra	Replace galvanized water piping
Ross Sheppard	Replace science fume hood exhaust systems
S. Bruce Smith	Replace energy management system
Steele Heights	Replace energy management system
Strathearn	Replace drain lines
T. D. Baker	Replace control valves
Victoria	Replace compressor
Virginia Park	Install weeping tile

Structural Repairs

This is an on-going program based on need.

McKernan	Remedial repairs to coping stones
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Wellington continues to be monitored and has been deferred until the 2002 MMP.

Flooring

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

Avalon	Replace flooring
Callingwood	Replace flooring in pods
Elmwood	Replace floor tile
Glenora	Replace flooring
Menisa	Replace carpets
Meyokumin	Replace carpets
Mill Creek	Replace linoleum
Ormsby	Replace carpets
Rio Terrace	Replace carpet
Rosslyn	Replace floor tile
Sherbrooke	Replace corridor flooring
Sherwood	Replace carpet
Thorncliffe	Replace carpet

The estimated cost of building systems and components projects is \$1,642,500.

Delivery of Educational Programming

Lighting Upgrades

This is the continuation of the program to improve the lighting in teaching spaces, corridors and administration areas. This program is implemented jointly with the district's Sustained Energy Management Program (S.E.M.P.) in partnership with EPCOR.

Sites to be determined. (Currently under review.)

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 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.

Grace Martin
Hillcrest

Improve site drainage
Improve site drainage

It is anticipated that the district and the City of Edmonton will cost share the construction of a student drop-off area, The site is undetermined. The estimated cost of site improvement projects is \$21,000.

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 Facilities Services-Maintenance budget. These projects are not funded by BQRP.

The exteriors of the following facilities are scheduled to be painted in the 2001-2002 budget year.

Aldergrove	Fulton Place	Millcreek
Bellevue	Gold Bar	Montrose
Belmead	Grace Martin	North Edmonton
Belvedere	Idlywylde	Northmount
Braemar	J.A. Fife	Parkallen
Caernarvon	Lauderdale	Sakaw
Crestwood	McCauley	Scott Robertson
Dovercourt	McKee	Sherwood
Eastglen	McNally	Strathcona Composite
Forest Heights	Mee-yah-Noh	Strathearn Elementary

The exterior of 10 freestanding portables will also be painted.

Air System Maintenance Program

The allocation for the district’s Air System Maintenance Program is \$250,000 and is retained centrally in the Facilities Services budget. These projects are not funded by BQRP.

Bannerman	Forest Heights	McKee
Belmead	Grace Martin	Minchau
Brookside	Hillcrest	Patricia Heights
Callingwood	Keheewin	Rideau Park
Daly Grove	LaPerle	Rio Terrace
Dan Knott	Lee Ridge	Ritchie
Dickinsfield	Malcolm Tweddle	

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 2001/2002 school year.

Control Valves

Crestwood	Mayfield	Sherbrooke
Evansdale	McKernan	Sifton
Forest Heights	McNally	Stratford
Glengarry	Northmount	Strathearn EJH
Grandview Heights	Patricia Heights	Vernon Barford
Grovenor	Pollard Meadows	Waverley
Kameyosek	Prince Rupert	Westlawn
King Edward	Princeton	Woodcroft
L'Academie Vimy Ridge Academy	R.J. Scott	York
Lendrum	Ritchie	
Londonderry	Rutherford	

Thermostats

Britannia	Julia Kiniski	Parkallen
Dunluce	Kameyosek	Prince Charles
Eastglen	Kenilworth	Prince Rupert
Eastwood	Kensington	Ross Sheppard
Glendale	Kildare	Rosslyn
Glengarry	Lago Lindo	Rundle
Grace Martin	Lawton	Westlawn
Griesbach	Lorelei	Westminster
Inglewood	Lymburn	Winterburn
J. Percy Page	McDougall	York
J.D. Bracco	Mee-Yah-Noh	
Jasper Place	Minchau	

Steam Traps

Alex Taylor	Garneau	McDougall
Athlone	Glendale	Mee-Yah-Noh
Balwin	Gold Bar	Montrose
Belgravia	Hardisty	Mount Royal
Bellevue	Highlands	Queen Mary Park
Capilano	Holyrood	Scott Robertson
Coronation	Jasper Place	Westmount
Delwood	Kensington	Windsor Park

Proposed 2001 Major Maintenance Plan

School	Project
Abbott	Reroof Areas 1, 2 & 3
Aldergrove	Reroof pods
Athlone	Replace exterior doors
Avalon	Replace sinks
Avalon	Replace flooring
Avonmore	Replace security system
Baturyn	Replace intercom system
Belmont	Replace intercom system
Belvedere	Replace security system
Britannia	Replace ductwork
Callingwood	Replace security system
Callingwood	Replace flooring in pod classrooms and corridor
Clara Tyner	Replace intercom system
Coronation	Replace windows
Crawford Plains	Reroofing of shingled areas
Dan Knott	Asbestos abatement
Dan Knott	Replace gas-fired roof-top units
Delton	Replace intercom system
Delwood	Replace security system
Duggan	Reroof Area 1
Earl Buxton	Replace intercom system cabling
Ekota	Asbestos abatement
Ekota	Replace sinks
Ellerslie EJH	Asbestos abatement
Elmwood	Replace floor tile
Emergent	Emergent needs
Evansdale	Upgrade gymnasium and music room ventilation
Forest Heights	Replace exterior doors
Glenora	Replace flooring
Gold Bar	Replace sinks
Grace Martin	Fire code upgrading
Grace Martin	Reroofing
Grace Martin	Improve site drainage
Grandview Heights	Replace intercom system
Grandview Heights	Replace security system
Greenfield	Replace electro-magnetic door holdopen devices
Grovenor	Replace intercom system
Hardisty	Replace hot water tank
Harry Ainlay	Reroof areas 4 & 6
Hillcrest	Replace intercom system
Hillcrest	Improve site drainage
Hillview	Replace sinks
Inglewood	Replace windows

Proposed 2001 Major Maintenance Plan (continued)

School	Project
J.A. Fife	Replace security system
Jasper Place	Asbestos abatement Phase IV
Jasper Place	Replace cooling coil in Tower Mechanical room
Jasper Place	Reroof Area 12
John A. McDougall	Upgrade washrooms
Kildare	Replace energy management systems
King Edward	Replace intercom system
Kirkness	Reroofing
Lauderdale	Replace intercom system
Laurier Heights	Reroof area 1
Lawton	Replace exterior doors
Lee Ridge	Replace security system
Lorelei	Replace two obsolete furnaces in pod
Lymburn	Replace energy management systems
McCauley	Washrooms
McCauley	Replace galvanized water piping
McKernan	Remedial repairs to coping stones
McLeod	Fire code upgrading
Meadowlark	Replace sinks
Menisa	Replace carpet
Menisa	Replace intercom system
Menisa	Replace security system
Meyokumin	Replace carpet
Mill Creek	Replace linoleum flooring
Mount Royal	Replace security system
Old Scona	Replace galvanized water piping
Old Scona	Reroof dome
Ormsby	Replace carpet
Ottewell	Replace sinks
Ottewell	Areas 3 & 4
Overlanders	Fire code upgrading
Parkview	Reroof Areas 4 & 5
Princeton	Replace gas-fired roof-top units
Queen Alexandra	Replace galvanized water piping
Queen Elizabeth	Reroof Area 7
Rideau Park	Replace intercom system
Rio Terrace	Replace carpet
Ritchie	Replace sinks
Ross Sheppard	Replace science fume hood exhaust systems
Rosslyn	Replace floor tile
Rutherford	Replace sinks
Rutherford	Replace intercom system

Proposed 2001 Major Maintenance Plan (continued)

School	Project
S. Bruce Smith	Energy Management System
Sherbrooke	Replace corridor flooring in original building
Sherwood	Fire code upgrading
Sherwood	Replace carpet
Sifton	Replace intercom system
Sifton	Replace security system
Site upgrades	Various
Steele Heights	Replace energy management systems
Strathearn	Replace cast iron sanitary drain lines
Sweetgrass	Replace sinks
Sweetgrass	Replace security system
T.D. Baker	Replace control valves
Thorncliffe	Replace carpet
Thorncliffe	Replace faucets
Tipaskan	Reroofing
Undetermined	Student drop off (cost shared project with the city)
Various	Hazardous materials management project
Victoria	Replace compressor
Victoria	Replace intercom system
Virginia Park	Install weeping tile
Wellington	Reroof areas 2 & 3

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 cost of life and health safety projects was \$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 cost of building envelope projects was \$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 cost of building systems and components projects was \$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 was completed previously.

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 cost of educational programming projects was \$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 cost of site improvement projects was \$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.

A complete list of emergent projects commences on Page 22.

Exterior Paint Program

The allocation for the district's exterior paint program was \$420,000 and was 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.

2000 Major Maintenance Plan

School	Project
Abbott	Upgrade electrical systems to accommodate technology
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	Reroofing of Area 2
Britannia	Roofing of Area 2
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 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

2000 Major Maintenance Plan (continued)

School	Project
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
Jasper Place	Reroofing areas 1, 2, and 3
John A. McDougall	Replace floor tile
John A. McDougall	Replace windows
Kameyosek	Replace carpets
Kameyosek	Replace intercom system
Kameyosek	Replace security system
Kensington	Replace security system
Kirkness	Replace security panel
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
McKee	Upgrade electrical system to accommodate technology
McKernan	Upgrade electrical system to accommodate technology
McKernan	Replace security system
Meadowlark	Resurface gymnasium walls
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

2000 Major Maintenance Plan (continued)

School	Project
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
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

2000 Major Maintenance Plan Emergent Projects

School	Project
Academy at King Edward	Replace steel plumbing stacks
Aldergrove	Replace heat exchanger in Pod Classroom 11
Aldergrove	Replace hot water tank
Alex Taylor	Replace hot water tank
Athlone	Replace compressor
Athlone	Replace air dryer
Balwin	Replace obsolete boiler control relay
Balwin	Replace gas valve actuator on boilers 3 and 4
Belmont	Replace water main
Brander Gardens	Replace heat exchanger in Pod Classroom 15
Brander Gardens	Replace heat exchanger in Pod Classroom 9
Britannia	Replace obsolete furnace
Caernarvon	Upgrade pod fire alarm system
Clara Tyner	Replace compressor
Crestwood	Replace hot water tank and pump
Daly Grove	Replace compressor
Dan Knott	Replace heat exchanger in Pod Classroom 115
Dan Knott	Replace heat exchanger in Pod Classroom 104
Delton	Replace condensate piping
Delton	Replace condensate tank
Delton	Replace boiler control relay
Delwood	Mudjack washroom floors
Duggan	Replace heat exchanger on Unit 2
Duggan	Replace heat exchanger on Unit 4
Eastglen	Replace steam coil in Fan Room 8
Eastglen	Replace boiler control relay
Edith Rogers	Replace general control module
Edith Rogers	Replace hot water tank
Ellerslie South	Replace obsolete furnace in each mechanical room
Ellerslie South	Replace obsolete furnace in Portable 37
Ellerslie North	Replace obsolete furnace in Portable 170
Ellerslie Primary	Replace failed septic tank pump
Elmwood	Replace hot water tank (west boiler room)
Elmwood	Replace hot water tank (east boiler room)
Fulton Place	Modifications to accommodate wheelchair access
George H. Luck	Fan speed control
Gold Bar	Replace hot water tank
Griesbach	Repair exterior concrete stair
Griesbach	Replace expansion tank
Griesbach	Replace compressor

2000 Major Maintenance Plan Emergent Projects (continued)

School	Projects
Harry Ainlay	Provide heating in boys and girls locker rooms
Harry Ainlay	Provide operator assisted automatic door opener
Harry Ainlay	Replace main electrical service
Harry Ainlay	Replace obsolete boiler control relay
Hazeldean	Replace hot water tank
Hillview	Replace obsolete furnace in Classroom 10
J.A. Fife	Replace boiler relay
J.A. Fife	Replace obsolete furnace F6
J.A. Fife	Replace heat exchanger on fan unit F-1
J.A. Fife	Replace heat exchanger on fan unit F-8
John A. McDougall	Replace obsolete furnace in Annex #F1
Kameyosek	Mudjack library floor
Kameyosek	Replace hot water tank
Kameyosek	Replace obsolete furnace in Pod Classroom 9
Keheewin	Replace hot water tank
Keheewin	Replace water main
Keheewin	Replace obsolete furnace in Portable 30
Lauderdale	Replace gas valve on boiler #2
Lee Ridge	Pod structural repairs
Lee Ridge	Replace obsolete furnace in Portable 170
Lymburn	Replace heat exchanger in Portable 233
M.E. LaZerte	Replace controls compressor
Mayfield	Remedial fire code
McArthur	Replace compressor
McCauley	Dampproof foundation and replace flooring
McCauley	Replace header valve on boiler #1
McKernan	Asbestos abatement
Meadowlark	Replace gas valve on boiler
Mee-Yah-Noh	Install exhaust system in Room 2
Menisa	Replace obsolete furnace in Portable 160
Menisa	Replace obsolete furnace in Portable 44
Meyonohk	Replace obsolete furnace in Pod Classroom 15
Michael A. Kostek	Replace heat exchanger in Portable 221
Michael A. Kostek	Mudjack exterior concrete slab
Millcreek	Replace boiler flame guard control relay
Minchau	Replace obsolete furnace in Portable 19
Minchau	Replace compressor
Mount Royal	Replace hot water tank
Newton	Replace compressor
Northmount	Replace boiler relay
Ottewell	Replace obsolete boiler flame guard control relay
Ormsby	Replace obsolete furnace in Pod Classroom 13
Overlanders	Replace obsolete furnace in Portable 34
Princeton	Replace roof top heating control relay

2000 Major Maintenance Plan Emergent Projects (continued)

School	Projects
Richard Secord	Replace compressor
Riverbend	Replace boiler flame guard control relay
Rosslyn	Mudjack staffroom and general office floor
Ross Sheppard	Replace compressor
Sherbrooke	Replace boiler control relay
Sherwood	Replace obsolete furnace #1
Sherwood	Replace obsolete furnace #2
Sherwood	Replace obsolete furnace #3
Sherwood	Replace obsolete furnace #4
Sweet Grass	Replace hot water tank
Thorncliffe	Replace general control module
Thorncliffe	Ventilation modifications
W.P. Wagner	Replace obsolete boiler control relay
Waverley	Replace boiler flame guard control relay
Wellington	Replace obsolete pump
Westmount	Replace exterior stair-north exit
Westmount	Replace obsolete header valves
Westmount	Replace boiler control relay
Winterburn	Replace controls compressor
Windsor Park	Replace compressor
Windsor Park	Replace hot water tank
York	Lift to accommodate wheelchair access

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 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.

2002	2003	2004	2005	2006
Dickinsfield	Alex Taylor	Delton	Academy at	Highlands
Evansdale	Belmead	John A. McDougall	King Edward	Parkdale
John Barnett	LaPerle	North Edmonton	Eastwood	Ritchie
	McCauley	Westglen	Garneau	Spruce Avenue
	Queen Alexandra		Rutherford	

Security System Replacements

This is an on-going program to replace school security systems. With the completion of the 2006 Major Maintenance Plan, all security systems will be updated.

2002	2003	2004	2005	2006
Avalon	Bellevue	Abbott	Eastglen	Overlanders
Bannerman	Centennial	Daly Grove	Ellerslie Primary	Queen Alexandra
Crawford Plains	Ellerslie EJH	Dan Knott	J. Percy Page	
Grace Martin	Evansdale	Fraser	John A. McDougall	
Killarney	Hillview	Highlands	Lago Lindo	
Kirkness	Horse Hill	John.D. Bracco	Rosslyn	
LaPerle	Lymburn	Julia Kiniski		
Prince Rupert	Parkdale	Kate Chegwin		
	Tipaskan	North Edmonton		
	Winterburn			

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 2005 Major Maintenance Plan, all intercom systems will be updated.

2002	2003	2004	2005
Beacon Heights	Hillview	Alex Taylor	Eastwood
Belmead	John Barnett	Bannerman	John A. McDougall
Elmwood	L'Académie Vimy	Baturyn	Kirkness
Grace Martin	Ridge Academy	Keheewin	LaPerle
Minchau	Parkdale	Mill Creek	Ormsby
Queen Alexandra	Pollard Meadows	Stratford	
Strathcona	Rosslyn		
Windsor Park	Tipaskan		
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.

2002	2003	2004	2005	2006
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.

2002	2003	2004	2005	2006
Strathcona	Highlands Mount Royal	Argyll Satoo	Rosslyn	Athlone Grovenor

Building Envelope

Re-Roofing

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

2002	2003	2004	2005	2006
Capilano	Britannia	Afton	Belmead	Ekota
Gold Bar	Evansdale	D.S. MacKenzie	Dickinsfield	John A. McDougall
Harry Ainlay	Glengarry	Forest Heights	Greenfield	Kameyosek
Jasper Place	High Park	Malmo	Londonderry	Lee Ridge
Lawton	L.Y. Cairns	Portables	Northmount	Parkview
Malcolm Tweddle	M.E. LaZerte	Ross Sheppard	Parkallen	Richard Secord
McLeod	McKee	Strathcona	Portables	Sakaw
Ottewell	Sifton	W.P. Wagner		Tipaskan
Rundle	Portables			Westlawn
Waverley				
Portables				

Window Replacement

This is an on-going program based on need.

2002	2003	2004	2005	2006
Allendale Ph I	Allendale Ph II	Alex Taylor	Argyll	Balwin
Avonmore Ph I	Athlone	Vicxtoria		Bellevue
Glenora	Avonmore Ph II			

Exterior Door Replacement

This is an on-going program based on need.

2002	2003	2004	2005	2006
Victoria	Inglewood	Prince Charles	Delton	Elmwood
	Alex Taylor	Brightview	Balwin	

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.

2002	2003	2004	2005	2006
Garneau - boiler J.A. Fife	Edith Rogers Westglen	Abbott Ellerslie EJM Mill Creek	Garneau – roof top unit Jasper Place Rosslyn Westmount	Parkdale

Replacement of Mechanical Systems Controls

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

2002	2003	2004	2005	2006
Delwood Wellington	Kildare Steele Heights	Kirkness Lymburn	Earl Buxton Westbrook	Daly Grove

Replacement of Water Piping

2002	2003	2004	2005	2006
Highlands Westmount	Academy at King Edward Garneau	Glenora Westglen	Delton Griesbach Spruce Avenue	All should be finished by 2005

Structural Repairs

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

2002	2003	2004	2005	2006
Wellington	Eastwood	McNally	None	None

Flooring

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

2002	2003	2004	2005	2006
Balwin Glenora Newton Rio Terrace Rutherford Sakaw Spruce Avenue	Baturyn Belvedere Glengary Hardisty Montrose	D.S. MacKenzie Holyrood Laurier Heights North Edmonton Queen Elizabeth Sherbrooke	Ellerslie EJM Malcolm Tweddle Parkallen Patricia Heights Windsor Park	Griesbach Hillview LaPerle Princeton

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. The City of Edmonton cost shares the provision of student drop-off lanes with Edmonton Public Schools and Edmonton Catholic Schools on an alternate year format.

2002	2003	2004	2005	2006
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 \$550,000.

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 Facilities Services-Maintenance budget.

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

2002	2003	2004	2005	2006	2007
Afton	Academy at King	Belmont	Abbott	Athlone	Aldergrove
Belgravia	Edward	Brookside	Avalon	Avonmore	Bellevue
Capilano	Alex Taylor	Calder	Baturyn	Clara Tyner	Belmead
Coronation	Allendale	Daly Grove	Brightview	Donnan	Belvedere
D.S. MacKenzie	Argyll	Dan Knott	Britannia	Duggan	Braemar
Delton	Balwin	Dickinsfield	Callingwood	Edith Rogers	Caernarvon
Delwood	Bannerman	Ekota	Centennial	Evansdale	Crestwood
Ellerslie Elem.	Beacon Heights	Holyrood	Crawford Plains	Glengarry	Dovercourt
Ellerslie Jr.	Bennett Centre	J. Percy Page	Dunluce	Greenfield	Eastglen
Garneau	Bisset	Julia Kiniski	Earl Buxton	Grovenor	Forest Heights
Glendale	Brander Gardens	Laurier Heights	Elmwood	Hazeldean	Fulton Place
Grandview Hts.	Eastwood	Lymburn	Fraser	High Park	Gold Bar
Hardisty	Greenview	Meadowlark	George H. Luck	Highlands	Grace Martin
Inglewood	Harry Ainlay	Menisa	Glenora	Hillview	Idylwylde
John A. McDougall	Kameyosek	Meyonohk	Griesbach	Homesteader	J.A. Fife
Jasper Place	King Edward Elem	Mount Pleasant	Hillcrest	Kildare	Lauderdale
John Barnett	L'Académie Vimy	Newton	Horse Hill	Killarney	McCauley
Kenilworth	Ridge Academy	Norwood	James Gibbons	Lorelei	McKee
Malcolm Tweddle	LaPerle	Old Scona	John D. Bracco	Lynnwood	McNally
Mount Royal	Lawton	Oliver	Kate Chegwin	McArthur	Mee-Yah-Noh
Parkdale	Lendrum	Parkview	Keheewin	McKernan	MillCreek
Ottewell	M.E. LaZerte	Patricia Heights	Kensington	Ormsby	Montrose
Queen Alexandra	Mayfield	Princeton	Kirkness	Pollard Meadows	North Edmonton
Queen Elizabeth	McLeod	Queen Mary Park	L.Y.Cairns	Rosslyn	Northmount
Steele Heights	Overlanders	Rideau Park	Lago Lindo	Rundle	Parkallen
Steinhauer	Prince Charles	Ritchie	Lansdowne	S.Bruce Smith	Sakaw
Talmud Torah	Richard Secord	Riverbend	Lee Ridge	Vernon Barford	Scott Robertson
Thorncliffe	Rio Terrace	Riverdale	Londonderry	Victoria	Sherwood
Westlawn	Sweet Grass	Ross Sheppard	Malmo	Weinlos	Strathcona
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.

AIR SYSTEM MAINTENANCE PROGRAM

The allocation for the district's Air System Maintenance Program is \$200,000 and is retained centrally in the Facilities Services budget. These projects are not funded by BQRP.

2001 - 2002

Abbott	Hillview	Ormsby
Afton	Holyrood	Ottewell
Aldergrove	Homesteader	Overlanders
Argyll Home Education Centre	Horse Hill	Parkview
Avonmore	Idylwylde	Pollard Meadows
Beacon Heights	J. Percy Page	R. J. Scott
Bellevue	James Gibbons	Rundle
Belmont	Jasper Place/Stratford Campus	Rutherford/Idylwylde Campus
Bisset	John D. Bracco	S. Bruce Smith
Braemar	Julia Kiniski	Sakaw
Capilano	Kameyosek	Satoo
Centennial	Kate Chegwin	Sherwood
Clara Tyner	Kenilworth	Sifton
Crawford Plains	Kirkness	Stratford
Crestwood	L'Academie Vimy	Strathearn
Donnan	Ridge Academy	T. D. Baker
Eastglen	Laurier Heights	Terrace Heights
Edith Rogers	Lawton	Thorncliffe
Ekota	Lymburn	Tipaskan
Ellerslie Campus	Lynnwood	Velma E. Baker
Elerslie Primary	McNally	Virginia Park
Elmwood	Meadowlark	W. P. Wagner
Fraser	Menisa	Waverley
Fulton Place	Meyokumin	Weinlos
Glendale	Meyonohk	Westlawn
Gold Bar	Michael A. Kostek	Winterburn/Westview
Greenview	Mill Creek/Ritchie Campus	Village Campus
Hardisty	Montrose	
Hazeldean	Mount Royal	
Highlands	Newton	

Air System Maintenance Program (continued)

2002 - 2003

Academy at King Edward	Glengarry	Mee-Yah-Noh
Allendale	Glenora	Mount Pleasant
Athlone	Grandview Heights	Northmount
Avalon	Greenfield	Old Scona
Baturyn	Griesbach	Parkallen
Belgravia	Grovenor	Queen Alexandra
Bennett Centre	Harry Ainlay	Queen Elizabeth
Brander Gardens	High Park	Richard Secord
Brightview	Kensington	Riverbend
Britannia	Killarney	Ross Sheppard
Caernarvon	King Edward	Rossllyn
Calder	L.Y. Cairns	Scott Robertson
Coronation	Lago Lindo	Steinhauer
D. S. McKenzie	Lansdowne	Strathcona
Dovercourt	Lauderdale	Sweet Grass
Duggan	Lendrum	Vernon Barford
Dunluce	Lorelei	Wellington
Earl Buxton	Malmo	Westbrook
Evansdale	Mary Butterworth	Windsor Park
Garneau/Queen Alexandra Campus	Mayfield	Woodcroft
George H. Luck	McArthur	Youngstown
	McKernan	

2003 - 2004

Alex Taylor	John Barnett	Princeton
Balwin	Kildare	Queen Mary Park
Belvedere	Londonderry	Riverdale
Centre for Education	M. E. LaZerte	Sherbrooke
Delton	McLeod	Spruce Avenue
Delwood	North Edmonton	Steele Heights
Eastwood	Norwood	Victoria
Inglewood	Parkdale	Westglen
J.A. Fife	Prince Charles	Westmount
John A. McDougall	Prince Rupert	

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

2001 - 2002	2002 - 2003	2003 - 2004	2004 - 2005	2005 - 2006	2006 - 2007
Academy at King	Balwin	Abbott	Allendale	Alex Taylor	Argyll
Edward	Bannerman	Afton	Balwin	Belvedere	Avonmore
Crestwood	Brander Gardens	Athlone	Bellevue	Delton	Beacon Heights
Evansdale	Brookside	Belgravia	Belmont	Ekota	Braemar
Forest Heights	Capilano	Belmead	Britannia	Glendale	Caernarvon
Glengarry	Clara Tyner	Brightview	Calder	Hazeldean	Coronation
Grandview Heights	D.S. MacKenzie	Earl Buxton	Delwood	Highlands	Fulton Place
Grovenor	Dickinsfield	Eastwood	Donnan	Idylwyld	Gold Bar
Kameyosek	Dunluce	Hardisty	George H. Luck	Lawton	Kensington
King Edward	Eastglen	J.D. Bracco	Inglewood	M.E. LaZerte	L'Académie Vimy
Lendrum	Edith Rogers	Kate Chegwin	John A McDougall	McLeod	Ridge Academy
Londonderry	Ellerslie EJM	Kensington	Killarney	Mount Pleasant	Lauderdale
Mayfield	Garneau	Lago Lindo	LaPerle	Mount Royal	Laurier Heights
McKernan	Hillcrest	Malmo	McCauley	North Edmonton	McArthur
McNally	Holyrood	Mary Butterworth	Michael A. Kostek	Parkallen	Mee-Yah-Noh
Northmount	Horse Hill	Menisa	Mill Creek	Parkdale	Ottewell
Patricia Heights	Keheewin	Meyonohk	Montrose	Prince Charles	Queen Alexandra
Pollard Meadows	Kildare	Newton	Old Scona	Queen Elizabeth	Strathcona
Prince Rupert	Lee Ridge	Rundle	Steele Heights	Queen Mary Park	Victoria
Princeton	McKee	S. Bruce Smith	Victoria	Scott Robertson	Westglen
R.J. Scott	Meyokumin	Sherbrooke	Wellington	Spruce Avenue	Windsor Park
Ritchie	Minchau	Tipaskan			
Rutherford	Richard Secord	Virginia Park			
Sherbrooke	Riverbend	Westmount			
Sifton	Ross Sheppard	Youngstown			
Stratford	Rosslyn				
Strathearn EJM	Sakaw				
Vernon Barford	Satoo				
Waverley	Sherwood				
Westlawn	Sweet Grass				
Woodcroft	T.D. Baker				
York					

Thermostats

2002-2003	2003-2004	2004-2005	2005-2006	2006-2007	2007 - 2008
Abbott	Bellevue	Academy at	Britannia	Abbott	Bellevue
Alex Taylor	Belmead	King Edward	Dunluce	Alex Taylor	Belmead
Athlone	Belmont	Afton	Eastglen	Athlone	Belmont
Avonmore	Brookside	Beacon Heights	Eastwood	Avonmore	Brookside
Balwin	Caernarvon	Brander Gardens	Glendale	Balwin	Caernarvon
Bannerman	Calder	Centennial	Glengarry	Bannerman	Calder
Baturyn	Clara Tyner	Coronation	Grace Martin	Baturyn	Clara Tyner
Belvedere	Crestwood	Dan Knott	Griesbach	Belvedere	Crestwood
Bennett Centre	Delton	Donnan	Inglewood	Bennett Centre	Delton
Bisset	Evansdale	Earl Buxton	J.Percy Page	Bisset	Evansdale
Capilano	Forest Heights	Edith Rogers	J.D. Bracco	Capilano	Forest Heights
D.S.MacKenzie	Greenview	Ellerslie EJH	Jasper Place	D.S.MacKenzie	Greenview
Delwood	Highlands	Fraser	J. A. McDougall	Delwood	Highlands
Dickinsfield	Hillcrest	Fulton Place	Julia Kiniski	Dickinsfield	Hillcrest
Dovercourt	Horse Hill	Grandview	Kameyosek	Dovercourt	Horse Hill
Gold Bar	John Barnett	Heights	Kenilworth	Gold Bar	John Barnett
Grovenor	King Edward	Greenfield	Kensington	Grovenor	King Edward
Harry Ainlay	Kirkness	Hardisty	Kildare	Harry Ainlay	Kirkness
Hillview	L.Y. Cairns	Hazeldean	Lago Lindo	High Park	L.Y. Cairns
Homesteader	L'Académie	Holyrood	Lawton	Hillview	L'Académie
Killarney	Vimy Ridge	Keheewin	Lorelei	Homesteader	Vimy Ridge
Londonderry	Lansdowne	Laurier Heights	Lymburn	Killarney	Lansdowne
Lynnwood	McCauley	M.E. LaZerte	Mee-Yah-Noh	Londonderry	McCauley
Mayfield	McKernan	Malcolm	Minchau	Lynnwood	McKernan
McKee	McLeod	Tweddle	Parkallen	Mayfield	McLeod
Meadowlark	Montrose	Menisa	Prince Charles	McKee	Montrose
Michael A. Kostek	Mount Royal	Mill Creek	Prince Rupert	Meadowlark	Mount Royal
Newton	Norwood	Overlanders	Ross Sheppard	Michael A. Kostek	Norwood
North Edmonton	Oliver	Parkdale	Rosslyn	Newton	Oliver
Northmount	Pollard	Princeton	Rundle	North Edmonton	Pollard
Old Scona	Meadows	Rio Terrace	Westlawn	Northmount	Meadows
Ottewell	Queen Mary	Riverbend	Winterburn	Old Scona	Queen Mary
Riverdale	Park	S.Bruce Smith	York	Ottewell	Park
Rutherford	R.J. Scott	Spruce Avenue		Riverdale	R.J. Scott
Satoo	Richard Secord	Strathcona		Rutherford	Richard Secord
Scott Robertson	Rideau Park	Vernon Barford		Satoo	Rideau Park
Sifton	Steinhauer	Victoria		Scott Robertson	Steinhauer
Steele Heights	Strathearn EJH	Wellington		Sifton	Strathearn EJH
Sweet Grass	Terrace Heights	Windsor Park		Steele Heights	Terrace Heights
T.D. Baker	Tipaskan			Sweet Grass	Tipaskan
Velma E. Baker	Virginia Park			T.D. Baker	Virginia Park
Westbrook	W.P. Wagner			Velma E. Baker	W.P. Wagner
	Waverley			Westbrook	Waverley
	Westmount				Westmount
	Woodcroft				Woodcroft
	Youngstown				Youngstown

Steam Traps

2002-2003	2003-2004	2004-2005	2005-2006	2006-2007	2007-2008	2008-2009	2009-2010
Braemar	Allendale	Donnan	Forest	Academy at	Athlone	Alex Taylor	Braemar
Grovenor	Eastglen	Fulton Place	Heights	King Edw	Bellevue	Balwin	Grovenor
Harry Ainlay	Eastwood	Griesbach	Lendrum	Argyll	Highlands	Coronation	Harry Ainlay
Hillcrest	Ross	Hazeldean	Mill Creek	Avonmore	Queen	Delwood	Hillcrest
Killarney	Sheppard	Laurier	Montrose	Belvedere	Elizabeth	Glendale	McKernan
McCauley	Strathcona	Heights	Mount	Crestwood	Queen Mary	Jasper Place	Old Scona
McKernan		Mee-Yah-	Pleasant	Delton	Park	J A McDougall	Parkdale
Old Scona		Noh	Mount Royal	Idylwylde	Scott	Killarney	Prince
Parkdale		North	Newton	Inglewood	Robertson	McCauley	Rupert
Prince		Edmonton	Ottewell	King Edward	Virginia Park	Woodcroft	Richard
Rupert		Parkallen	Strathearn	Lauderdale			Secord
Richard		Westglen	EJH	McArthur			Sherbrooke
Secord		Westmount	Victoria	Prince			Spruce
Sherbrooke				Charles			Avenue
Spruce Ave				Queen			WP Wagner
WP Wagner				Alexandra			
Woodcroft				Ritchie			
				Rutherford			
				Wellington			