

EDMONTON PUBLIC SCHOOLS

June 14, 2005

TO: Board of Trustees

FROM: A. McBeath, Superintendent of Schools

SUBJECT: 2005 Major Maintenance Plan

ORIGINATOR: R. MacNeil, Assistant to the Superintendent

RESOURCE

STAFF: Mike Brown, Fred Buffi, Brian Fedor, Larry Schwenneker, Ron Spence, Sandra Stoddard, Sherri O'Keefe

INFORMATION

Major maintenance of and minor upgrades to district facilities are accomplished through the district's Major Maintenance Plan (MMP) which is block funded by the government Infrastructure Maintenance Program (IMP). The IMP is one source of available funding 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 (PO&M) category.
- Infrastructure Maintenance Program funds.
- Capital Project funds. Capital projects are provincially funded and address either essential or general upgrades to school buildings. These projects are approved on a case by case basis and are drawn from the district's capital plan.

The funding sources for a six-year period with funding for 2005-2006 being projected are shown in the graph in Appendix I. The 2005 IMP allocation from Alberta Infrastructure has not, as yet, been announced. The 2005 Major Maintenance Plan is therefore based on last year's allocation of \$5,808,649. Should there be a change in the allocation the plan will be modified by either adding or deleting projects.

Projects to be included in the Major Maintenance Plan are identified for consideration by receiving input from schools, facilities staff and regulatory agencies. The need and requests for school improvement projects continue to exceed available funding. The plan, therefore, reflects 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 major maintenance plan has involved over 84 principals in the last eleven years, and will continue to rely on principal involvement in the development of the plan and prioritization of projects.

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

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 \$4.8 – \$5.2 million. The funds remaining from the IMP block grant can then be directed towards other eligible needs, such as physical upgrades to enhance educational program delivery.

The 2005 Major Maintenance Plan has been reviewed to establish whether previously identified projects are consistent with current priorities. The resultant 2005 Major Maintenance Plan is attached (Appendix II). Projects are identified and listed in accordance with district categories and priorities. As well, an amount is included for emergent projects, for example, the replacement of failed hot water heaters and furnaces.

Highlights

- Facilities Services has centrally managed funding to continue the air system maintenance program which is designed to improve indoor air quality through a two stage cleaning of air systems. The first stage addressed the cleaning of air coils, reheat coils and univents which are often the main contributors to decreased air quality. Assessment of air quality and stage two includes an airflow and where necessary, air-ducting systems will be cleaned. The program is being carried out on a scheduled basis. Stage one has been completed. The program is at no cost to the schools. This is year one of stage two of this program. Stage two will commence in September 2005.
- The asbestos management program to enhance safe work procedures for district staff and assist administrators with hazardous materials strategies related to on-going inspection, monitoring and training was commenced in 2001. The asbestos abatement projects within the 2005 MMP are a continuation of the program.
- The 2005 MMP continues the partnership with EPCOR for the relighting program for schools. The intent is to improve student learning environments and reduce energy costs. Fifty-four schools have been completed to date.
- In order to assist the district in the management of district assets, a five-year life-cycle replacement program is included with the MMP. This program provides 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 2005 MMP be approved for modernization funding by Alberta Infrastructure, the MMP work scheduled for that school(s) will be reviewed. Wherever possible the work will be included within the applicable modernization.

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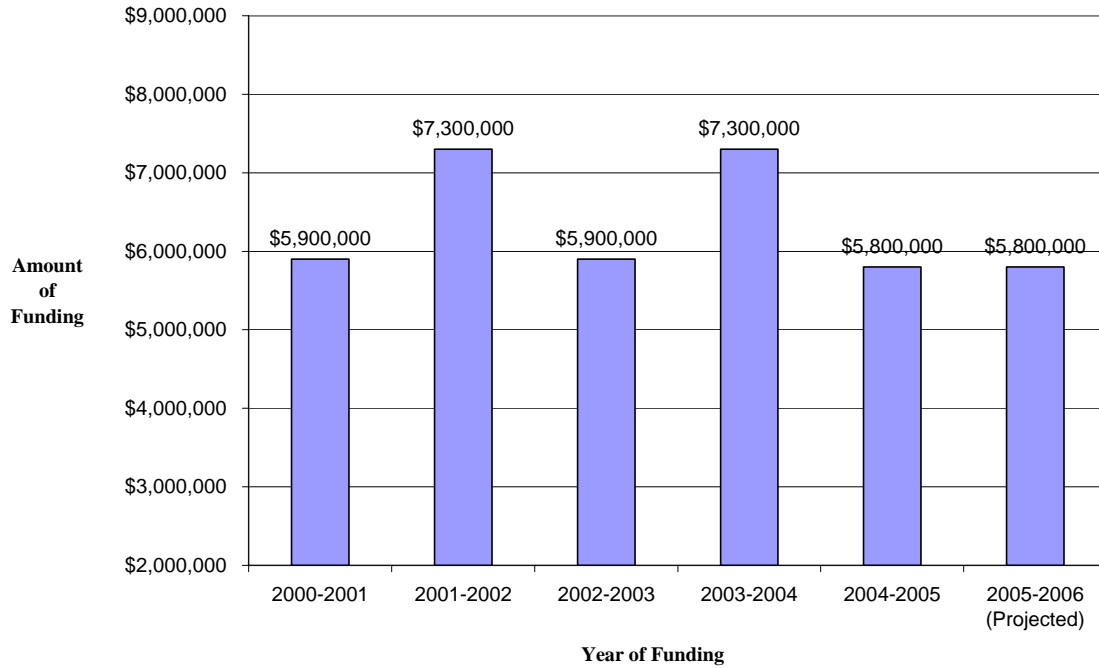
APPENDIX I - Infrastructure Maintenance Program and Plant Operations & Maintenance:
Funding Information

APPENDIX II - 2005 Major Maintenance Plan

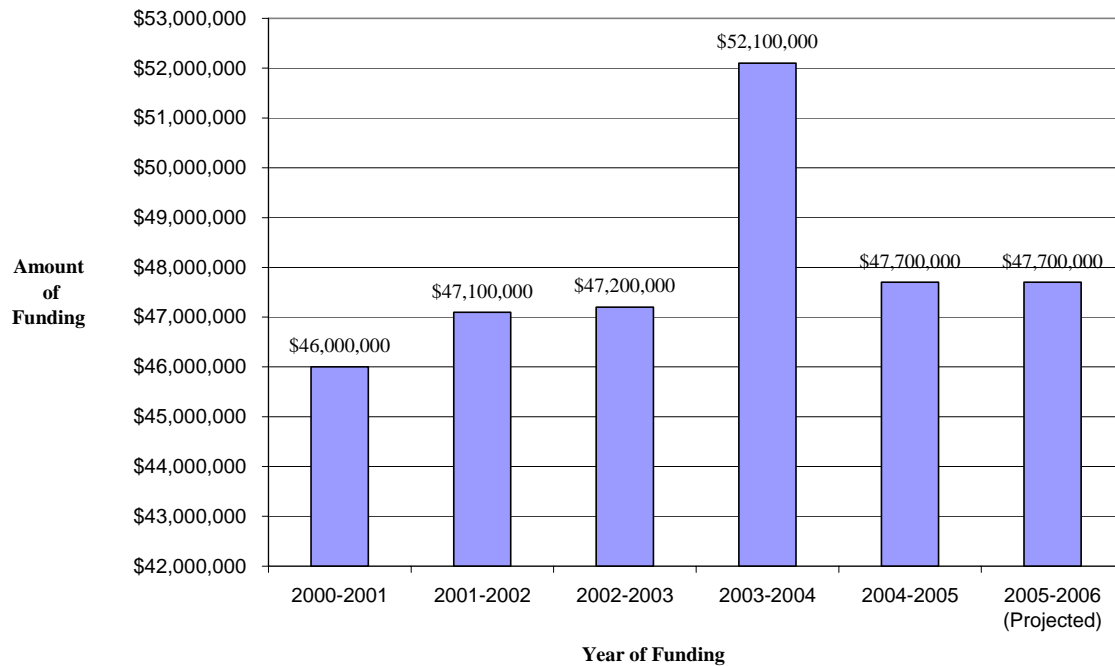
APPENDIX III - Proposed Five-Year Life-Cycle Replacement Program

**INFRASTRUCTURE MAINTENANCE PROGRAM
AND
PLANT OPERATIONS & MAINTENANCE: FUNDING INFORMATION**

Infrastructure Maintenance Program Funding



Plant Operations & Maintenance Funding



June 14, 2005

2005 MAJOR MAINTENANCE PLAN**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.

Ekota	Fire code upgrading
Facilities Services	Replace fire dampers at identified schools
Glendale	Fire code upgrading
Kameyosek	Fire code upgrading
North Edmonton	Fire code upgrading
Queen Alexandra	Fire code upgrading

Security System Replacements

This is an on-going program to replace school security systems.

Evansdale	
Facilities Services	Upgrade security control panels at identified schools
Highlands	
Julia Kiniski	
North Edmonton	

Intercom System Replacements

This is an on-going program to upgrade intercom systems.

Bannerman
Callingwood
Rosslyn

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.

Dunluce	Replace ceiling tiles
Jasper Place	Asbestos abatement – Phase V
Sweet Grass	Replace ceiling tile
W.P. Wagner	Asbestos abatement

Washroom Upgrades

These are on-going projects based on need.

Crawford Plains	Replace sinks
John Barnett	Upgrade washrooms
North Edmonton	Upgrade washrooms
Prince Charles	Upgrade washrooms
Rosslyn	Replace sinks and vanities
Westbrook	Upgrade washrooms
Westlawn	Upgrade washrooms

The estimated cost of life and health safety projects is \$811,897.

Building Envelope

Re-Roofing

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

Dunluce	Reroof south pod area
Garneau	Reroof area 1
Glenora	Reroof gymnasium
Greenfield	Reroof area 2
Hazeldean	Reroof area 1 and 2
High Park	Reroof area 1
Jasper Place	Reroof areas 3, 4, and 5
Major General Griesbach	Reroof north classroom wing
Mary Butterworth	Reroof entrances
Norwood	Reroof gymnasium
Ottewell	Reroof area 4
Parkallen	Reroof entire building
Parkview	Reroof areas 4 and 5
Vernon Barford	Reroof 1971 addition
Westbrook	Reroof 1972 addition

Window Replacement

These are on-going projects based on need.

Parkallen	Remove glass block
Rutherford	Replace windows – Phase II
Thorncliffe	Install windows

Door Replacement

These are on-going projects based on need.

Harry Ainlay	Replace exterior doors – Phase II
McNally	Replace exterior doors
Westlawn	Replace exterior doors

The estimated cost of building envelope projects is \$2,652,652.

Building Systems and Components

Mechanical Heating System Replacements

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

Glendale	Replace mechanical heating system
Highlands	Reinsulate crawl space piping
M.E. LaZerte	Replace science fume hoods
Parkallen	Provide heat in gymnasium storage

Mechanical System Upgrading

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

Kildare	Replace energy management system
Parkview	Provide crawl space ventilation
Facilities Services	Boiler gas line modifications

Structural Repairs

This is an on-going program based on need.

Inglewood	Main entrance stairs
Malmo	Interior
Mayfield	Replace plastic laminate
Mill Creek	Replace plastic laminate
Montrose	Foundation repairs
Rosslyn	Mudjack floors
Weinlos	Mudjack floors
Wellington	Foundation repairs

Flooring

This is an on-going program to replace flooring.

Beacon Heights	Replace flooring
Crawford Plains	Replace flooring in pods
Daly Grove	Replace flooring
Greenfield	Replace flooring
Major General Griesbach	Replace flooring
McKee	Replace flooring
Rosslyn	Replace flooring

The estimated cost of building systems and components projects is \$1,036,000.

Delivery of Educational Programming

LaPerle	Upgrade computer room
Rundle	Replace gymnasium acoustics

The estimated cost of educational programming is \$122,100.

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. Lighting upgrades have been completed in 54 schools to date. Lighting upgrades are planned for 17 sites this year.

Centennial	Londonderry	Ritchie
Crawford Plains	Mary Butterworth	Rosslyn
Daly Grove	Meyokumin	Scott Robertson
Dan Knott	Newton	Sweet Grass
Fraser	Parkview	Weinlos
J. Percy Page	Richard Secord	

Wheelchair Accessibility and Special Needs Upgrading

These projects include the provision of elevators, wheelchair ramps and other specific needs.

Meyokumin	Barrier free access – install concrete ramp
Ottewell	Barrier free access – replace sidewalk

The estimated cost of special needs upgrading is \$17,500.

Site Improvements

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

Coronation	Upgrade asphalt
Patricia Heights	Replace sidewalks – north side
Queen Elizabeth	Replace sidewalk – west gymnasium
Ross Sheppard	Replace parking rail and receptacles
Rutherford	Improve site drainage
Sifton	Install bollards with chain gate
Winterburn	Student drop off
Winterburn	Install water main

The estimated cost for site improvements is \$518,500.

Emergent Needs

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

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 the IMP.**

The exteriors of the following facilities are scheduled to be painted in the 2005-2006 budget year.

Abbott	Hillcrest	Meyokumin
Avalon	Horse Hill	Michael A. Kostek
Baturyn	James Gibbons	Minchau
Brightview	John D. Bracco	R.J. Scott
Britannia	Kate Chegwin	Satoo
Callingwood	Keheewin	Sifton
Centennial	Kensington	Spruce Avenue
Crawford Plains	Kirkness	Stratford
Dunluce	L.Y. Cairns	Tipaskan
Earl Buxton	Lago Lindo	Velma E. Baker
Elmwood	Lansdowne	W.P. Wagner
Fraser	Lee Ridge	Waverley
George H. Luck	Londonderry	Westbrook
Glenora	Malmo	Winterburn
Major General Griesbach	Mary Butterworth	

Air System Maintenance Program

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

Sites as yet to be determined.

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 IMP** but through maintenance allocations to the schools listed in each year of the program. The schools below are scheduled for the 2005/2006 school year.

Control Valves

Belvedere	Lawton	Parkdale
Delton	M.E. Lazerte	Prince Charles
Ekota	McLeod	Queen Elizabeth
Glendale	Mount Pleasant	Scott Robertson
Hazeldean	Mount Royal	Spruce Avenue
Highlands	North Edmonton	
Idylwyld	Parkallen	

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
Major General Griesbach	Lorelei	Winterburn
Inglewood	Lymburn	York
J.Percy Page	Mee-Yah-Noh	
John D. Bracco	Minchau	

Steam Traps

Forest Heights	Montrose	Newton
Lendrum	Mount Pleasant	Strathearn
Mill Creek	Mount Royal	

Proposed 2005 Major Maintenance Plan

School	Project
Bannerman	Replace intercom system
Beacon Heights	Replace flooring
Callingwood	Replace intercom system
Coronation	Upgrade asphalt
Crawford Plains	Replace flooring in pods
Crawford Plains	Replace sinks
Daly Grove	Replacing flooring
Dunluce	Asbestos abatement
Dunluce	Reroof south pod classrooms
Ekota	Fire code upgrading
Evansdale	Replace security system
Facilities Services	Boiler gas line modifications
Facilities Services	Fire code upgrading – replace fire dampers
Facilities Services	Emergent needs
Facilities Services	Upgrade security control panels
Facilities Services	Facilities inspections
Facilities Services	Consultants fees - mechanical
Facilities Services	Confined space training
Garneau	Reroof area 1
Glendale	Fire code upgrading
Glendale	Replace mechanical heating system
Glenora	Reroof gymnasium
Greenfield	Replacing flooring
Greenfield	Reroof remaining half of area 2
Harry Ainlay	Replace exterior doors – Phase II
Hazeldean	Reroof areas 1 and 2
High Park	Reroof area 1
Highlands	Replace security system
Highlands	Reinsulate crawl space piping
Inglewood	Structural repairs at main entrance stairs
Jasper Place	Asbestos abatement – Phase V
Jasper Place	Reroof areas 3, 4 and 5
John Barnett	Upgrade washrooms – replace sinks and vanities
Julia Kiniski	Replace security system
Kameyosek	Fire code upgrading
Kildare	Replace energy management system
LaPerle	Upgrade computer room
M.E. LaZerte	Replace science fume hoods
Major General Griesbach	Replace flooring
Major General Griesbach	Reroof north classroom wing
Malmo	Structural repairs interior
Mary Butterworth	Reroof entrances

Proposed 2005 Major Maintenance Plan

School	Project
Mayfield	Replace plastic laminate
McKee	Replace flooring
McNally	Replace exterior doors
Meyokumin	Barrier free access – install concrete ramp
Mill Creek	Replace plastic laminate
Montrose	Foundation repairs
North Edmonton	Fire code upgrading
North Edmonton	Replace security system
North Edmonton	Upgrade washrooms
Norwood	Reroof gymnasium
Ottewell	Reroof area 4
Ottewell	Barrier free access –replace sidewalk
Parkallen	Remove glass block
Parkallen	Reroof entire building
Parkallen	Provide heat in gymnasium storage room
Parkview	Reroof areas 4 and 5
Parkview	Provide crawl space ventilation
Patricia Heights	Replace sidewalks – north side
Prince Charles	Upgrade washrooms
Queen Alexandra	Fire code upgrading
Queen Elizabeth	Replace sidewalks – west gymnasium
Ross Sheppard	Replace parking rail and receptacles
Rossllyn	Replace flooring
Rossllyn	Mudjack floors
Rossllyn	Replace intercom system
Rossllyn	Replace sinks and vanities
Rundle	Replace gymnasium acoustics
Rutherford	Replaces windows – Phase II
Rutherford	Improve site drainage
Sifton	Install bollards with chain gate
Sweet Grass	Asbestos abatement
Thorncliffe	Install windows
Vernon Barford	Reroof 1971 addition
W.P. Wagner	Asbestos abatement and catwalk installation
Weinlos	Mudjack floors
Wellington	Foundation repairs
Westbrook	Upgrade washrooms – replace sinks
Westbrook	Reroof 1972 addition
Westlawn	Replace exterior doors
Westlawn	Replace sinks and vanities
Winterburn	Student drop-off
Winterburn	Install water main



PROPOSED FIVE-YEAR LIFE-CYCLE REPLACEMENT PROGRAM

The ability to undertake the projects listed is dependent on government funding and emergent issues. The five-year plan has been revised to reflect district needs identified by Facilities Services inspections and Alberta Infrastructure facility audits.

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.

2006	2007	2008	2009	2010
Balwin	Academy at	Highlands	Glenora	Allendale
Belmead	King Edward	Ritchie	High Park	Athlone
Steinhauer	Eastwood	Spruce Avenue	McCauley	Avonmore
Sweet Grass	Garneau		Mill Creek	Virginia Park
Thorncliffe	Rutherford			
	Westglen			

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.

2006	2007	2008	2009	2010
Daly Grove	Eastglen	None	None	None
Dan Knott	Ellerslie	Identified	identified	identified
Fraser	Campus North	at this time	at this time	at this time
Kate Chegwin	John D. Bracco			
	Overlanders			
	Rosslyn			

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. The 2007 Major Maintenance Plan will be the first year of a three-year program to complete the installation of handsets in all district classrooms. With the completion of the 2009 MMP all district intercom systems will be microprocessor based complete with handsets in all classrooms.

2006	2007	2008	2009	2010
Coronation John Barnett Kirkness LaPerle Ormsby	Bennett Centre Fraser Mee-Yah-Noh Montrose Sweet Grass	Bisset Brightview D.S. MacKenzie Hazeldean Julia Kiniski	Avonmore Major General Griesbach J.A.Fife Lago Lindo Ross Sheppard	None identified at this time

Asbestos Removal

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.

2006	2007	2008	2009	2010
Belmead Braemar McLeod	Belvedere Greenfield Horse Hill	Allendale Kildare	D.S. MacKenzie Donnan	Forest Heights Grovenor

Washroom Upgrades

This is an on-going program based on need and includes replacement of sinks and faucets or complete washroom upgrades. Highlands has been deferred from the 2005 plan.

2006	2007	2008	2009	2010
Argyll Highlands Major General Griesbach	Hazeldean Newton Satoo	Grovenor Rosslyn	Queen Elizabeth	Ross Sheppard

Building Envelope

Re-Roofing

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

2006	2007	2008	2009	2010
Britannia	Aldergrove	Dan Knott	Callingwood	Belmead
Caernarvon	Belgravia	D.S. MacKenzie	D.S. MacKenzie	Dovercourt
Calder	Brander Gardens	Forest Heights	Lee Ridge	Kameyosek
Delwood	Capilano	Greenview	Malmo	Malmo
L.Y. Cairns	Delwood	Homesteader	Menisa	McKee
McKernan	Kensington	J.A. Fife	Sherwood	Riverdale
M.E. LaZerte	Londonderry	LaPerle	Steinhauer	Vernon Barford
Montrose	L.Y. Cairns	Lawton	Vernon Barford	
Mount Royal	McArthur	Londonderry	Westbrook	
Ross Sheppard	Mee-Yah-Noh			
Scott Robertson	Ottewell			
Strathcona	Richard Secord			
Tipaskan				

Window Replacement

This is an on-going program based on need. Athlone has been deferred from the 2004 plan.

2006	2007	2008	2009	2010
Argyll	Avonmore Ph II	Jasper Place Ph III	Jasper Place Ph IV	Jasper Place Ph V
Athone	Jasper Place Ph II	Queen Elizabeth	Ross Sheppard	Ross Sheppard
Avonmore Ph I	Queen Elizabeth	Ph II	Ph II	Ph III
Jasper Place Ph I	Ph II	Ross Sheppard		
Queen Elizabeth Ph I		Ph I		

Exterior Door Replacement

This is an on-going program based on need. Balwin and Delton have been deferred from the 2004 plan.

2006	2007	2007	2009	2010
Balwin Ph I	Killarney	Dunluce	Grace Martin	Duggan
Delton	Lynnwood	Holyrood	Lauderdale	

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.

2006	2007	2008	2009	2010
Delwood Westglen	Grandview Heights Ottewell	Holyrood Old Scona	Strathcona	M.E. LaZerte

Replacement of Mechanical Systems Controls

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

2006	2007	2008	2009	2010
Daly Grove Rundle Vernon Barford	Brookside Earl Buxton Kirkness	John D. Bracco Julia Kiniski Lago Lindo	LaPerle Old Scona Parkview	Belmead Rideau Park T.D. Baker

Electrical Systems Upgrades

2006	2007	2008	2009	2010
Avonmore	Holyrood	None identified at this time	None identified at this time	None identified at this time

Replacement of Water Piping

2006	2007	2008	2009	2010
Delton Major General Griesbach	Eastglen Spruce Avenue	Bennett Centre Glendale	Rutherford	Beacon Heights

Weatherscreen Upgrades

M.E. LaZerte Parkallen	Upgrade building envelope Remove glass block – Phase II
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Structural Repairs

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

2006	2007	2008	2009	2010
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

Flooring

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

2006	2007	2008	2009	2010
Brander Gardens	Balwin	Afton	Avalon	D.S. MacKenzie
Duggan	Eastwood	Hardisty	Avonmore	Delwood
Dunluce	Holyrood	Malcolm Tweddle	Dickinsfield	Mary Butterworth
Hillcrest	Lauderdale	McNally	Julia Kiniski	S. Bruce Smith
J. Percy Page	Parkallen	Ritchie	Lendrum	Steele Heights
Lee Ridge	Patricia Heights	Stratford	T.D. Baker	Westbrook
Parkview	Ross Sheppard	Windsor Park	York	Westglen
		Woodcroft		

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.

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.

2006	2007	2008	2009	2010
	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 \$650,000.

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.

2006	2007	2008	2009	2010	2011
Athlone	Aldergrove	Afton	Academy at King	Belmont	Abbott
Avonmore	Bellevue	Belgravia	Edward	Brookside	Avalon
Clara Tyner	Belmead	Capilano	Allendale	Calder	Baturyn
Donnan	Belvedere	Coronation	Argyll	Daly Grove	Brightview
Duggan	Braemar	D.S. MacKenzie	Balwin	Dan Knott	Britannia
Edith Rogers	Caernarvon	Delton	Bannerman	Dickinsfield	Callingwood
Evansdale	Crestwood	Delwood	Beacon Heights	Ekota	Centennial
Glengarry	Dovercourt	Ellerslie Elem.	Bennett Centre	Holyrood	Crawford Plains
Greenfield	Eastglen	Campus South	Bisset	J.Percy Page	Dunluce
Grovenor	Forest Heights	Ellerslie	Brander Gardens	Julia Kiniski	Earl Buxton
Hazeldean	Fulton Place	Campus North	Eastwood	Laurier Heights	Elmwood
High Park	Gold Bar	Garneau	Greenview	Lymburn	Fraser
Highlands	Grace Martin	Glendale	Harry Ainlay	Meadowlark	George H. Luck
Hillview	Idylwyld	Grandview Heights	Kameyosek	Menisa	Glenora
Homesteader	J.A. Fife	Hardisty	King Edward	Meyonohk	Griesbach
Kildare	Lauderdale	Inglewood	L'Académie Vimy	Mount Pleasant	Hillcrest
Killarney	McCauley	Jasper Place	Ridge Academy	Newton	Horse Hill
Lorelei	McKee	John A. McDougall	LaPerle	Norwood	James Gibbons
Lynnwood	McNally	John Barnett	Lawton	Old Scona	John D. Bracco
McArthur	Mee-Yah-Noh	Kenilworth	Lendrum	Oliver	Kate Chegwin
McKernan	Mill Creek	Malcolm Tweddle	M.E.LaZerte	Parkview	Keheewin
Ormsby	Montrose	Mount Royal	Mayfield	Patricia Heights	Kensington
Pollard Meadows	North Edmonton	Ottewell	McLeod	Princeton	Kirkness
Rosslyn	Northmount	Parkdale	Overlanders	Queen Mary Park	L.Y. Cairns
Rundle	Parkallen	Queen Alexandra	Prince Charles	Rideau Park	Lago Lindo
S. Bruce Smith	Sakaw	Queen Elizabeth	Richard Secord	Ritchie	Lansdowne
Vernon Barford	Scott Robertson	Steele Heights	Rio Terrace	Riverbend	Lee Ridge
Weinlos	Sherwood	Steinhauer	Sweet Grass	Riverdale	Londonderry
	Strathcona	Talmud Torah	Virginia Park	Ross Sheppard	Malmo
		Thorncliffe	Wellington	Rutherford	Mary Butterwort
		Westlawn	Windsor Park	Strathearn	Meyokumin
		Westmount	Woodcroft	T.D. Baker	Michael A. Koste
			Youngstown	Terrace Heights	Minchau
				Westminster	R.J. Scott
				Westglen	Satoo
				York	Sifton
					Spruce Avenue
					Stratford
					Tipaskan
					Velma E. Baker
					W.P. Wagner
					Waverley
					Westbrook
					Winterburn

AIR SYSTEM MAINTENANCE PROGRAM

Upon completion of the air system maintenance program, Facilities Services anticipates initiating air duct cleaning in 2005 – 2006.

2005 – 2006

Sites as yet to be determined

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 inspection and possible repair/replacement of heating valves and controls. This program is not funded by the IMP but through special annual maintenance allocations of \$400,000 to the schools listed below.

Control Valves

2006 - 2007	2007 – 2008	2008 – 2009	2009 – 2010	2010 - 2011	2011 - 2012
Argyll	Academy at King	Balwin	Abbott	Allendale	Belvedere
Avonmore	Edward	Bannerman	Afton	Balwin	Delton
Beacon Heights	Crestwood	Brander Gardens	Athlone	Bellevue	Ekota
Braemar	Evansdale	Brookside	Belgravia	Belmont	Glendale
Caernarvon	Forest Heights	Capilano	Belmead	Britannia	Hazeldean
Coronation	Glengarry	Clara Tyner	Brightview	Calder	Highlands
Fulton Place	Grandview Heights	D.S. MacKenzie	Earl Buxton	Delwood	Idylwyld
Gold Bar	Grovenor	Dickinsfield	Eastwood	Donnan	Lawton
Kensington	Kameyosek	Dunluce	Hardisty	George H. Luck	M.E. LaZerte
L'Académie Vimy	King Edward	Eastglen	John D. Bracco	Killarney	McLeod
Ridge Academy	Lendrum	Edith Rogers	Kate Chegwin	LaPerle	Mount Pleasant
Lauderdale	Londonderry	Ellerslie EJM	Kensington	Michael A. Kostek	Mount Royal
Laurier Heights	Mayfield	Garneau	Lago Lindo	Mill Creek	North Edmonton
McArthur	McKernan	Hillcrest	Malmo	Montrose	Parkallen
Mee-Yah-Noh	McNally	Holyrood	Mary Butterworth	Old Scona	Parkdale
Ottewell	Northmount	Horse Hill	Menisa	Steele Heights	Prince Charles
Queen Alexandra	Patricia Heights	Keheewin	Meyonohk	Wellington	Queen Elizabeth
Strathcona	Pollard Meadows	Kildare	Newton		Scott Robertson
Westglen	Prince Rupert	Lee Ridge	Rundle		Spruce Avenue
Windsor Park	Princeton	McKee	S. Bruce Smith		
	R.J. Scott	Meyokumin	Sherbrooke		
	Ritchie	Minchau	Tipaskan		
	Rutherford	Richard Secord	Virginia Park		
	Sherbrooke	Riverbend	Westmount		
	Sifton	Ross Sheppard	Youngstown		
	Stratford	Rosslyn			
	Strathearn	Sakaw			
	Vernon Barford	Satoo			
	Waverley	Sherwood			
	Westlawn	Sweet Grass			
	Woodcroft	T.D. Baker			
	York				

Thermostats

2006-2007	2007-2008	2008-2009	2009 - 2010	2010 - 2011	2011-2012
Abbott	Belmead	Academy at	Britannia	Abbott	Belmead
Athlone	Belmont	King Edward	Dunluce	Athlone	Belmont
Avonmore	Brookside	Afton	Eastglen	Avonmore	Brookside
Balwin	Caernarvon	Beacon Heights	Eastwood	Balwin	Caernarvon
Bannerman	Calder	Brander Gardens	Glendale	Bannerman	Calder
Baturyn	Clara Tyner	Centennial	Glengarry	Baturyn	Clara Tyner
Belvedere	Crestwood	Coronation	Grace Martin	Belvedere	Crestwood
Bennett Centre	Delton	Dan Knott	Major General	Bennett Centre	Delton
Bisset	Evansdale	Donnan	Griesbach	Bisset	Evansdale
Capilano	Forest Heights	Earl Buxton	Inglewood	Capilano	Forest Heights
D.S.MacKenzie	Greenview	Edith Rogers	J.Percy Page	D.S.MacKenzie	Greenview
Delwood	Highlands	Ellerslie EJH	John D. Bracco	Delwood	Highlands
Dickinsfield	Hillcrest	Fraser	Julia Kiniski	Dickinsfield	Hillcrest
Dovercourt	Horse Hill	Fulton Place	Kameyosek	Dovercourt	Horse Hill
Gold Bar	John Barnett	Greenfield	Kenilworth	Gold Bar	John Barnett
Grovenor	King Edward	Hardisty	Kensington	Grovenor	King Edward
Harry Ainlay	Kirkness	Hazeldean	Kildare	Harry Ainlay	Kirkness
High Park	L.Y. Cairns	Holyrood	Lago Lindo	High Park	L.Y. Cairns
Hillview	L'Académie	Keheewin	Lawton	Hillview	L'Académie
Homesteader	Vimy Ridge	Laurier Heights	Lorelei	Homesteader	Vimy Ridge
Killarney	Lansdowne	M.E. LaZerte	Lymburn	Killarney	Lansdowne
Londonderry	McKernan	Malcolm	Mee-Yah-Noh	Londonderry	McKernan
Lynnwood	McLeod	Tweddle	Minchau	Lynnwood	McLeod
Mayfield	Montrose	Menisa	Parkallen	Mayfield	Montrose
McKee	Mount Royal	Mill Creek	Prince Charles	McKee	Mount Royal
Meadowlark	Norwood	Overlanders	Prince Rupert	Meadowlark	Norwood
Michael A. Kostek	Oliver Pollard	Parkdale Princeton	Ross Sheppard Rosslyn	Michael A. Kostek	Oliver Pollard
Newton	Meadows	Rio Terrace	Rundle	Newton	Meadows
North Edmonton	R.J. Scott	Riverbend	Westlawn	North Edmonton	R.J. Scott
Northmount	Richard Secord	S.Bruce Smith	Winterburn	Northmount	Richard Secord
Old Scona	Rideau Park	Spruce Avenue	York	Old Scona	Rideau Park
Riverdale	Steinhauer	Strathcona		Riverdale	Steinhauer
Rutherford	Strathearn	Vernon Barford		Rutherford	Strathearn
Satoo	Terrace Heights	Wellington		Satoo	Terrace Heights
Scott Robertson	Tipaskan	Windsor Park		Scott Robertson	Tipaskan
Sifton	Virginia Park			Sifton	Virginia Park
Steele Heights	W.P. Wagner			Steele Heights	W.P. Wagner
Sweet Grass	Waverley			Sweet Grass	Waverley
T.D. Baker	Westmount			T.D. Baker	Westmount
Velma E. Baker	Woodcroft			Velma E. Baker	Woodcroft
Westbrook	Youngstown			Westbrook	Youngstown

Steam Traps

2006-2007	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014
Academy at King Edward Argyll	Athlone Bellevue Highlands	Balwin Belgravia Capilano	Braemar Grovenor Harry Ainlay	Allendale Eastglen Eastwood	Donnan Fulton Place Major General	Forest Heights Lendrum	Academy at King Edward Argyll
Avonmore Belvedere Crestwood Delton Idylwylde King Edward Lauderdale McArthur Prince Charles Queen Alexandra Ritchie Rutherford Wellington	Queen Elizabeth Scott Robertson Virginia Park Windsor Park	Coronation Delwood Garneau Glendale Gold Bar Hardisty Holyrood Jasper Place Kensington Killarney Woodcroft	Hillcrest McKernan Old Scona Parkdale Prince Rupert Richard Secord Sherbrooke Spruce Avenue W.P.Wagner	Ross Sheppard Strathcona	Griesbach Hazeldean Laurier Heights Mee-Yah- Noh North Edmonton Parkallen Westglen Westmount	Mill Creek Montrose Mount Pleasant Mount Royal Newton Strathearn	Avonmore Belvedere Crestwood Delton Idylwylde King Edward Lauderdale McArthur Prince Charles Queen Alexandra Ritchie Rutherford Wellington



2005