



Report to: General Committee

Date of Meeting: December 2, 2013

SUBJECT: 2014 Capital Budget
PREPARED BY: Andrea Tang, Manager, Financial Planning

RECOMMENDATION:

- 1) **That** the report dated December 2, 2013 entitled, “2014 Capital Budget” be received;
- 2) **That** the following changes to the 2014 Capital Budget be approved:
 - a. Capital Project #14035 “Miller Avenue – Woodbine to Rodick Reconstruction – Design” be increased by \$101,800 from \$508,000 to \$609,800, to be funded from the Waterworks Stabilization/Capital Reserve;
 - b. Capital Project#14323 “Watermain Construction and Replacement Program” with budget of \$676,300 be deleted from the 2014 Capital Budget;
 - c. A new capital project, “Smart City Forum”, in the amount of \$10,000, be added to the 2014 Capital Budget, to be funded from the 2014 Operating Non-Life Cycle funds;
 - d. Additional funding in the amount of \$54,800 be added to the 2013 approved capital project #13343 “Streetlights – Markham Heritage Estates Subdivision” from \$73,100 to \$127,900, to be funded from the 2014 Capital Budget (2014 Operating Non-Life Cycle funds \$39,800 and 2014 Operating Life Cycle funds \$15,000) ;
- 3) **That** Council approve the 2014 Capital Budget which totals \$119,879,300 as outlined in Appendices 1, 2 and 3; and
- 4) **That** Staff be authorized and directed to do all things necessary to give effect to this resolution.

PURPOSE:

To obtain Council approval of the City of Markham’s 2014 Capital Budget.

BACKGROUND:

A total of six Budget Sub-Committee meetings were held in October 2013 to discuss and review the 2014 Operating and Capital Budgets. A Budget Public Consultation meeting was held on October 24, 2013 at the Civic Centre to receive feedback and input from residents.

DISCUSSION:

Budget Sub-Committee reviewed and endorsed the proposed 2014 Capital Budget of \$120,389,600. Subsequently, Staff identified the following changes to the 2014 Capital Budget:

1. Project #14035 “Miller Avenue – Woodbine to Rodick Reconstruction – Design” (Engineering - Budget \$508,000)

Staff has identified the need to increase the budget by \$101,800 from \$508,000 to \$609,800. The original scope of the budget request relates to the design of the Miller Avenue road reconstruction which includes components for road and storm sewers. The budget increase of \$101,800 is required to include design for a watermain, to be funded from the Waterworks Stabilization/Capital Reserve.

2. Project #14323 “Watermain Construction and Replacement Program” (Waterworks – Budget \$676,300)

The Waterworks capital project, to be funded from the Waterworks Reserve, is for a watermain replacement on Main Street Markham from Hwy 407 to Hwy 7. Staff recommends deleting the project from the 2014 capital budget since the scope of work is included in the Engineering’s capital project #14055 “Main Street Markham, Hwy 407 to Hwy 7- Construction”.

3. New Project “Smart City Forum”

In recent years, there has been increasing focus on the part of forward thinking cities to pursue a range of “Smart Cities” technology-facilitated initiatives such as broadband connectivity in order to benefit from the digital economy. Smart Cities is based on the concept of digitally connected municipal assets and infrastructure with the ability to obtain and integrate information about them (or their status) in order to make better decisions.

The main benefit of this approach is that cities can be proactive using analysis and prediction capabilities, allowing them to manage resources more effectively while meeting the needs of their communities. With increasing financial pressures, and citizen expectations, it is important for cities to continue to find innovative ways to manage their operations. Cities such as Waterloo, Stratford, Fredericton, and Toronto have been recognized for their efforts as “Smart Cities”.

It is in this context that the Information, Communications and Technology (ICT) Sub-Committee passed a resolution on Sept. 26, 2013 for Staff to “investigate the possibility of spending a maximum of \$10,000 to host a Smart City Forum in Markham in the Fall of 2013”. The ICT recommendation was received by General Committee on October 7th, 2013 and Council on October 8th, 2013. There was further discussion on this item at the October 23rd, 2013 Budget Sub-Committee meeting.

After further discussion with the Chair of ICT, it is recommended to defer the event to 2014 due to the amount of time required to organize the event. The proposed time change was communicated to Members of ICT on November 15, 2013.

The ICT Sub-Committee believes that having a session that attracts qualified and experienced speakers in this subject area, hosted by Markham will not only facilitate an opportunity to educate/inform our community but also helps to position the City with other leading municipalities.

The plan includes a half-day session at the Civic Centre with a focus on “Smart City” objectives and discussions that will be led by 3-5 panel speakers, and participation from the community including business and industry. The session is anticipated to attract about 100 attendees. The focus of the Forum will be tailored towards Markham’s aspirations and role in the digital economy of the future and in line with “Markham 2020” economic strategy of building “Creative Markham”, “Networked Markham” and “Sustainable Markham”. It is the objective of the session to also capture the experiences of other cities that have made some progress in this area, particularly the benefits in marketing and branding their communities globally.

Funding of \$10,000 is requested to host this session, including costs related to speakers. This funding request is to be included in the 2014 Capital Budget which will be funded from the Operating Non-Life Cycle funds.

4. Additional funding to 2013 Capital project #13343 “Streetlights – Markham Heritage Estate Subdivision”

The 2013 Capital Budget includes project #13343 “Streetlights – Markham Heritage Estates Subdivision” in the amount of \$73,100. The scope of the project includes installing 11 new heritage style streetlights with High Pressure Sodium (HPS) luminaires.

Staff recommends upgrading the luminaires from HPS to Light-Emitting Diode (LED) for the 11 new streetlights as well as the existing 25 streetlights. Based on the condition of the existing 25 streetlight poles, Staff also recommends recoating the poles and removing the banner arms. The incremental costs associated with the proposed scope changes require additional funds of \$54,800. The funding allocation will be \$39,800 from the 2014 Operating Non-Life Cycle funds associated with the upgrade to LED luminaires for both the 11 new and 25 existing streetlights, and \$15,000 from the 2014 Operating Life Cycle funds associated with the recoating and removal of the banner arms of the existing 25 streetlight poles.

2014 Capital Budget

The proposed 2014 Capital Budget of \$119,879,300 includes capital projects that are aligned with the City of Markham's six strategic priorities developed by Council: Growth Management; Transportation; Environment; Municipal Services; Integrated Leisure Master Plan/ Public Safety; and, Diversity.

The major sources of funding, provided in Appendix 1, for the 2014 capital projects are: Development Charges and Development Fees which contribute \$63.0M (52.6%) of the total funding to support growth initiatives; Life Cycle Replacement and the Capital Reserve Fund which contribute \$31.5M (26.3%) of the total funding for new purchases, non-growth portion of the growth related projects, replacement and repairs; and, Waterworks Reserve Fund which contribute \$10.6M (8.9%) for municipal services.

The 2014 Capital Budget also includes \$4.3M (3.6%) from the Federal Gas Tax revenues, which will fund the following capital projects:

- Sidewalk program
- Cycling and trail pathways
- Energy conservation programs
- Integrated community energy plan
- Carpet recycling program
- Specialty recycling containers program
- Flood control implementation – West Thornhill

The 2014 Capital Budget supports new and ongoing projects and initiatives that are aligned with the strategic priorities. The 2014 Capital projects approved in principle by the Budget Sub-Committee are provided in Appendix 2, the highlights of which are:

1. Growth Management:

- New parkland design and construction:
 - Major Wood Cathedral Town Park (4 acres) – construction phase, opening 2015
 - South Unionville Community Park West (3.7 acres) – design and construction phases, opening 2015
 - Linear park – Hwy 48 West of James Walker Court (0.5 acres) – design and construction phases, opening 2015
 - Monarch Cathedral North Park (5.1 acres) – design phase, opening 2015
 - Wismer Donald Mingay Woodlot Park (7 acres) – design phase, opening 2016
 - Greensborough Williamson/A. Paterson North Park (3.9 acres) – design phase, opening 2016

2. Transportation:
 - Main Street Markham, Hwy 407 to Hwy 7 reconstruction
 - Rodick Road extension, Miller to 14th Avenue construction
 - Bridge over Hwy 404, North of Hwy 7 – construction
 - Cycling and Trail Pathways
3. Environment:
 - Environmental asset program including flood control implementation in West Thornhill
 - Emerald Ash Borer program
 - Energy conservation program
 - Continuation of the “Trees for Tomorrow” initiative and replacement of trees
4. Municipal Services:
 - Roads rehabilitation program
 - Facility improvement program at community centres, libraries, fire stations, cultural venues and the Civic Centre
 - Watermain and Sanitary Sewer construction and replacement program
 - Structures rehabilitation program
 - Library collections (including tablets and headsets)
 - Illumination program
5. Integrated Leisure Master Plan/Public Safety:
 - Markham Pan Am Centre - construction of a 147,000 sq ft facility which includes an Olympic-size pool and field house, opening in 2014
 - Fire services vehicle replacements
 - Fire and Emergency Services capital program
6. Diversity:
 - Pedestrian Accessibility Improvements

A summary of the 2014 capital projects by Commission are provided in Appendix 3 for information purposes.

FINANCIAL CONSIDERATIONS AND TEMPLATE: (external link)

Below is a summary of the changes to the 2014 Capital Budget subsequent to Budget Sub-Committee’s endorsement.

Capital Project	Change	\$ Increase / (Decrease)
2014 Capital Budget endorsed by Budget Sub-Committee		120,388,700
Project #14035 "Miller Avenue – Woodbine to Rodick Reconstruction – Design"	Increase	101,800
Project #14323 "Watermain Construction and Replacement Program"	Delete	(676,000)
New Project "Smart City Forum"	Addition	10,000
Additional funding to 2013 Capital Project #13343 "Streetlights – Markham Heritage Estate Subdivision"	Addition	54,800
Total 2014 Capital Budget		119,879,300

The 2014 Capital Budget includes \$119,879,300 of capital projects which are funded from multiple funding sources as outlined in Appendix 1.

HUMAN RESOURCES CONSIDERATIONS

Not applicable.

ALIGNMENT WITH STRATEGIC PRIORITIES:

The 2014 Capital Budget of \$119,879,300 includes capital projects that are aligned with the City of Markham's six strategic priorities developed by Council: Growth Management; Transportation; Environment; Municipal Services; Integrated Leisure Master Plan/ Public Safety; and, Diversity.

BUSINESS UNITS CONSULTED AND AFFECTED:

All business units have been consulted during the 2014 Capital Budget submission and review process.

RECOMMENDED BY:

28/11/2013

28/11/2013

X 

Joel Lustig
Treasurer

X 

Trinela Cane
Commissioner, Corporate Services

ATTACHMENTS:

Appendix 1 – 2014 Capital and Other Programs Budget: Sources of Funding

Appendix 2 – 2014 Capital and Other Programs Budget: Projects by Commission

Appendix 3 – 2014 Capital and Other Programs Budget: Summary by Commission

**CITY OF MARKHAM
2014 CAPITAL AND OTHER PROGRAMS BUDGET
Sources of Funding**

LIFE CYCLE REPLACEMENT & CAPITAL RESERVE		\$31,520,928
DEVELOPMENT CHARGES (DCA)		60,770,614
GAS TAX		4,323,174
OTHER SOURCES		
Waterworks Reserve	\$10,614,946	
Non-DC Growth	2,277,632	
Development and Building Fees	2,260,176	
Other - Flood Control Implementation	2,070,000	
Section 37	2,000,000	
Ramp Up Reserve	1,690,000	
Capital From Previous Years (Carry Forward)	1,195,430	
EAB Reserve	524,700	
Tennis Clubs	285,000	
Road Resurfacing Reserve Fund	254,400	
Heritage Reserve Fund	54,400	
Other	<u>37,900</u>	
TOTAL OTHER SOURCES		23,264,584
TOTAL CAPITAL AND OTHER PROGRAMS BUDGET		<u><u>\$119,879,300</u></u>

CITY OF MARKHAM
2014 CAPITAL AND OTHER PROGRAMS BUDGET
PROJECTS BY COMMISSION

<i>Project</i>	<i>Project Description</i>	<i>Total</i>	<i>Operating Non-Life Cycle</i>	<i>Operating Life Cycle</i>	<i>DCA</i>	<i>Developer</i>	<i>Other</i>
Development Services							
Building Services							
14070	Electronic Plan Service Delivery Implementation (Phase 2)	993,900					993,900
	Building Services Total	993,900					993,900
Planning							
14000	Heritage Façade Improvements/Sign Replacement	32,000	32,000				
14001	OMB Development Application Hearings	400,000			360,000		40,000
14003	Consultant Studies	63,000			56,700		6,300
14004	Growth Monitoring Program & Data Collection	20,000			18,000		2,000
14005	Consolidated Zoning By-law Program - Phase 2 of 4	530,000					530,000
14006	Future Urban Areas - Phase 2 of 5	500,000			450,000		50,000
14007	Secondary Plan Program - Phase 2 of 10	500,000			450,000		50,000
14008	Heritage Commemorative Signage for Mkm Village - Phase 3	24,400					24,400
14009	Designated Heritage Property Grant Program	30,000					30,000
14010	Urban Growth Centre Planning & Approvals	240,000			216,000		24,000
14011	Unionville Charrette Implementation	100,000					100,000
	Planning Total	2,439,400	32,000		1,550,700		856,700
Design							
14020	Reimbursement to 1691126 Ontario Ltd. (Liberty Develop.)	2,302,700	230,270		2,072,430		
14021	Armada Community Park - Outdoor Fitness Equipment	60,500	6,050		54,450		
14022	Reimbursement to Wykland Estates Inc.	599,500	59,950		539,550		
14023	South Unionville Community Park West - Design and Const.	1,550,600	155,060		1,395,540		
14024	Greensborough Williamson / A. Paterson N. Park - Design	88,600	8,860		79,740		
14025	Linear Park - Hwy 48 west of James Walker Court	453,500	45,350		408,150		
14026	Wisner Donald Mingay Woodlot Park - Design	99,700	9,970		89,730		
14028	Monarch Cathedraltown North Park - Design	110,800	11,080		99,720		
14029	Major Wood Cathedraltown Park -Construction	1,788,400	178,840		1,609,560		
14402	Thornhill Park Improvements	2,000,000					2,000,000
	Design Total	9,054,300	705,430		6,348,870		2,000,000
Engineering							
14030	Sidewalk Program	643,800			596,311		47,489
14031	Verclaire Crossing at Rouge River (Design)	508,000			508,000		
14034	Miller Avenue - CN to Kennedy Road - Phase 4 P A	4,065,100			4,065,100		
14035	Miller Ave- Woodbine to Rodick Reconstruction- Design	609,800			508,000		101,800
14037	Hwy 404 - Midblock Crossing - Buttonville Airport - EA	203,100			203,100		
14038	Hwy 404 Mid-block Crossing North of Hwy 7 - Construction	4,065,100			4,065,100		
14039	Centurian Drive Reconstruction - Allstate Pwy to Woodbine	1,705,300			1,705,300		
14040	Hwy 404 Midblock Crossing North of Major Mackenzie EA	253,900			253,900		
14041	Church Street - Ninth Line to Bur Oak Ave	2,052,900			2,052,900		
14043	Intersection Improvements Requests	830,700			830,700		
14044	Birchmount Road / Rouge River Bridge - MNR Works	203,100			203,100		
14047	OMB Hearings/Peer Review	371,800			371,800		

CITY OF MARKHAM
2014 CAPITAL AND OTHER PROGRAMS BUDGET
PROJECTS BY COMMISSION

<i>Project</i>	<i>Project Description</i>	<i>Total</i>	<i>Operating Non-Life Cycle</i>	<i>Operating Life Cycle</i>	<i>DCA</i>	<i>Developer</i>	<i>Other</i>
14050	E/W Municipal Rd. South of 14th. Middlefield to 270m E.	228,500			228,500		
14051	Sanitary Monitoring - Area 4	227,500			227,500		
14052	Warden Ave (16th to M. McKenzie) Landscaping	50,800	25,400		25,400		87,600
14053	Smart-Commute Markham - Richmond Hill	87,600					
14048	Water and Wastewater Master Servicing Model	284,400			284,400		
14054	Illumination Program	1,145,600			789,462		356,138
14055	Main Street Markham, Hwy 407 to Hwy 7 (Construction)	14,873,800		252,386	11,773,056		2,848,358
14056	Rodick Extension - Phase 2 of 3 - Miller to 14th	7,228,500		148,354	6,134,600		945,546
14403	Cycling and Trails - Toogood Pond to Bob Hunter Park	2,540,700			889,245		1,651,455
14404	Cycling and Trails - Warden Ave (16th to M. McKenzie)	260,000			91,000		169,000
14405	Cycling and Trails EA - Thornhill/Milliken	152,200			53,270		98,930
Engineering Total		42,592,200	25,400	400,740	35,859,744		6,306,316
Development Services Total		55,079,800	762,830	400,740	43,759,314		10,156,916
CAO, Legal, HR, & Sustainability Office							
Sustainability Office							
	Rouge National Urban Park	25,000	25,000				
14061	PowerStream Embedded Energy Projects	203,500					203,500
14063	Bayview Glen SNAP - Phase 2 of 3	101,800	63,900				37,900
14064	Community Food Projects	65,100	65,100				
14065	Integrated Community Energy Plan	183,200			91,600		91,600
Sustainability Office Total		578,600	154,000		91,600		333,000
CAO's Office							
14066	Strata Land Conveyances Policy Review	100,000			90,000		10,000
CAO's Office Total		100,000			90,000		10,000
CAO, Legal, HR, & Sustainability Office Total							
		678,600	154,000		181,600		343,000
Corporate Services							
ITS							
	Smart City Forum	10,000	10,000				
14081	Corporate Database Licenses	140,000	111,990				28,010
14082	Geographic Information System - ArcGIS Desktop Licenses	23,200	23,200				
14083	IT Disaster Recovery (Business Continuity)	1,053,300		842,640			210,660
14084	ITS Core Base Architecture	982,400		793,655			188,745
14085	Ortho photography Acquisition	20,400	16,320				4,080
14086	Payment Card Industry Compliance (PCI) - Phase 2 of 3	121,600	97,323				24,277
14087	Strategy for resident facing communication technology	50,900	50,900				
ITS Total		2,401,800	309,733	1,636,295			455,772
Finance							
14096	Internal Project Management	841,400			841,400		
Financial Services Total		841,400			841,400		

CITY OF MARKHAM
2014 CAPITAL AND OTHER PROGRAMS BUDGET
PROJECTS BY COMMISSION

<i>Project</i>	<i>Project Description</i>	<i>Total</i>	<i>Operating Non-Life Cycle</i>	<i>Operating Life Cycle</i>	<i>DCA</i>	<i>Developer</i>	<i>Other</i>
Corporate Communications and Community Relations							
14098	Hardware for Press Conferences & Media Relations	20,400		16,330			4,070
14099	Publications Stands for City Facilities	16,000	16,000				
	Corporate Communications and Community Relations Total	36,400	16,000	16,330			4,070
	Corporate Services Total	3,279,600	325,733	1,652,625	841,400		459,842
Community & Fire Services							
Culture							
14075	Photo Archive System	20,400	20,400				
14100	Public Art	250,000	250,000				
	Culture Total	270,400	270,400				
Museum							
14101	Museum Artifact Restoration	30,000		30,000			
14102	Museum Building Maintenance Program	76,300		76,300			
14103	Museum Exhibitions	15,000		15,000			
14104	Markham Museum Pottery Studio	302,000	174,700	127,300			
14105	Markham Museum - Mount Joy School Restoration	510,600		510,600			
14106	Museum Site	48,800		48,800			
	Museum Total	982,700	174,700	808,000			
Theatre							
14112	Theatre Washroom Renovations	29,900		29,900			
14115	Theatre Facility Improvements	51,600		51,600			
14117	Theatre Audio Visual Replacement	30,500		30,500			
14118	Theatre Fire Safety Systems	48,400		48,400			
	Theatre Total	160,400		160,400			
Fire & Emergency Services							
14078	Geographic Information System - ArcEditor software license	11,600	11,600				
14121	Breathing Air Cylinders	109,400		109,400			
14122	Fire Communications Dispatch Radio Console	50,900			50,900		
14123	Firefighting Tools & Equipment Replacement	101,800		101,800			
14124	Self Contained Breathing Apparatus	596,200		596,200			
	Fire & Emergency Services Total	869,900	11,600	807,400	50,900		
Recreation Services							
14126	Angus Glen Marquee Replacement	20,500		20,500			
14128	Armada C.C. Gym painting	12,000		12,000			
14129	Armada C.C. Heating Boiler	15,300		15,300			
14130	Armada HVAC Replacement	91,600		91,600			
14131	Centennial Arena Ceiling Insulation Capping	48,800		48,800			
14132	Centennial CC Pressure Washer	15,300		15,300			
14133	Centennial Dehumidifier Replacement	132,300		132,300			

CITY OF MARKHAM
2014 CAPITAL AND OTHER PROGRAMS BUDGET
PROJECTS BY COMMISSION

Project	Project Description	Total	Non-Life Cycle	Operating Life Cycle	DCA	Developer	Other
14134	Centennial Marquee sign replacement	20,500		20,500			
14135	Clatworthy Dehumidifier Replacement	66,100		66,100			
14136	Clatworthy Rinkboards & Glass replacement	148,600		148,600			
14137	Clatworthy Hot Water Storage Tank	6,100		6,100			
14138	Crosby Arena Fire Sprinkler System	126,200		126,200			
14139	Markham Village Arena light fixture replacement	50,900		50,900			
14140	Markham Village Arena Replace existing front doors	26,500		26,500			
14141	Milliken Mills Dome Field Sweeper	14,900		14,900			
14142	Milliken Mills Main Hall Skylight Painting	6,400		6,400			
14143	Milliken Mills Pool Changerooms HVAC	35,600		35,600			
14145	Milliken Mills Staging	27,200		27,200			
14146	Milliken Mills Vestibule Heating	19,300		19,300			
14147	Mount Joy Rubber Flooring Replacement	76,600		76,600			
14149	Recreation Aquatic Equipment	49,700		49,700			
14150	Recreation Fitness Equipment	120,200		120,200			
14151	Recreation Program Equipment	77,100		77,100			
14152	Recreation Tables & Chair replacement	49,600		49,600			
14153	Rouge River Air Compressor	9,700		9,700			
14154	Rouge River Blinds	12,000		12,000			
14155	Rouge River Markham Green Golf Course Irrigation System	125,400		125,400			
14156	Rouge River Pool and tile resurfacing	70,700		70,700			
14157	Rouge River Pool Change Rooms Ceramic tile	131,300		131,300			
14158	Rouge River Poolside Lounge HVAC	15,300		15,300			
14159	Thornhill CC arena heater replacement	13,200		13,200			
14160	Thornhill CC- Sauna Replacements	24,200		24,200			
14161	Thornhill CC- Squash Court Walls	24,400		24,400			
14163	Thornhill CC- Carpet Replacement	24,200		24,200			
14164	Water St Senior Centre Washroom Replacement	42,800		42,800			
14144	Milliken Mills Spectator Protective Netting	6,100		6,100			
14162	Thornhill CC- Washroom Counter Replacements	8,900		8,900			
Recreation Services Total		1,765,500		1,765,500			
Markham Public Library							
14172	Library Collections	2,088,000		2,088,000			
14173	Replace Library Furniture and Equipment	65,500		65,500			
14174	Replace Library Shelving	65,500		65,500			
14175	Strategic Plan Development - Consulting Services	24,900		24,900			
14076	Library Service Improvements (Tablets)	20,400		20,400			
14077	Library Services Improvements (Software)	28,000		28,000			
14171	Customer Service - Headsets	24,900		24,900			
Markham Public Library Total		2,317,200		2,219,000			
Operations - Roads							
14181	Asphalt Resurfacing	5,141,400		5,141,400			
14182	Boulevard Repairs	53,100		53,100			
14183	Bridge Structure Preventative Maintenance	46,700		46,700			

CITY OF MARKHAM
2014 CAPITAL AND OTHER PROGRAMS BUDGET
PROJECTS BY COMMISSION

<i>Project</i>	<i>Project Description</i>	<i>Total</i>	<i>Operating Non-Life Cycle</i>	<i>Operating Life Cycle</i>	<i>DCA</i>	<i>Developer</i>	<i>Other</i>
14184	City Owned Fence Replacement Program	130,500		130,500			
14185	Don Mills Storm Channel	18,700		18,700			
14186	Emergency Repairs	101,800		101,800			
14188	Guidrail- Install/Repair/Upgrade	116,800		116,800			
14189	Localized Repairs - Curb & Sidewalk	428,800		428,800			
14192	Parking Lots	279,800		244,800		35,000	
14194	Retaining Walls Program	72,800		72,800			
14195	Rodick Road RWIS Station - Road Sensor Replacement	15,600		15,600			
14196	Secondary Roadworks	254,400					254,400
14197	Storm Sewer Inspection	103,800		103,800			
14198	Storm Water Retention Pond Maintenance Program	25,900		25,900			
14199	Warden Avenue Storm Sewer Improvements	23,500		23,500			
Operations - Roads Total		6,813,600		6,524,200		35,000	254,400
Operations - Parks							
14200	Adopt a Park & Colour Your Corner	6,000	6,000				
14201	Bleachers (Metal) Replacement	84,100		84,100			
14204	City Park Furniture / Amenities	134,300		134,300			
14205	Court Resurfacing/Reconstruction	692,000		407,000			285,000
14207	Electrical & Cabling	35,000		35,000			
14208	Emerald Ash Borer Program - Year 2 of 5	2,591,000		2,066,300			524,700
14209	Fence (Backstop) Replacement	120,000		120,000			
14210	Fence (Tennis Court) Replacement	32,800		32,800			
14211	Floodlights, Poles & Cross Arms Replacement	486,900		486,900			
14212	Goal Posts Replacement	75,000		75,000			
14214	Markham Trees for Tomorrow	120,000	120,000				
14215	Paving Pathways/Facilities & Stairways Repairs	155,000		155,000			
14217	Playstructure Replacement	135,100		135,100			
14219	Replacement/New Boulevard/Park Trees	94,000		94,000			
14220	Sportsfield Maintenance & Reconstruction	101,800		101,800			
14221	TRCA 50/50 Community Projects	20,000		20,000			
14222	Volunteer Ice Rink Program	30,500	30,500				
Operations - Parks Total		4,913,500	176,500	3,927,300			809,700
Operations - Traffic							
14226	Pedestrian Accessibility Improvement-Ph 4 of 6	424,500	424,500				
14228	Traffic Operational Improvements	30,500	30,500				
14229	Traffic Signal Equipment Replacement	288,200		288,200			
14225	Consultant Services for Traffic Signal Coordination & CTCS	101,800			101,800		
14227	Traffic Control Signal Design & Construction	193,000			193,000		
Operations - Traffic Total		1,038,000	455,000	288,200			
Operations - Fleet							
14080	Mobile Work Computer - Fleet	12,400	12,400				
14230	Corporate Fleet Refurbishing	36,300		36,300			
14231	Corporate Fleet Replacement - Fire	1,209,200		1,209,200			

CITY OF MARKHAM
2014 CAPITAL AND OTHER PROGRAMS BUDGET
PROJECTS BY COMMISSION

Project	Project Description	Total	Operating Non-Life Cycle	Operating Life Cycle	DCA	Developer	Other
14232	Corporate Fleet Replacement - Non-Fire	1,170,000		1,170,000			
14235	New Fleet - Parks	156,700			156,700		
14236	New Fleet - Roads	76,300			76,300		
14237	Waterworks Fleet Replacement	57,400					57,400
14238	Winter Maintenance Vehicles	200,000			200,000		
Operations - Fleet Total		2,918,300	12,400	2,415,500	433,000		57,400
Asset Management - Facility Assets							
14241	Accessibility Retrofit Program	30,500		30,500			
14242	Corporate Accommodations	319,200		319,200			
14243	Corporate Security Operations & System Upgrades	30,500		30,500			
14244	Municipal Building Backflow Prevention Testing	30,500		30,500			
14245	Building Envelope/Structural Review	101,800		101,800			
14246	8100 Warden Facility Improvements	52,000		52,000			
14247	Civic Centre Improvements	40,100		40,100			
14250	Fire Facility Improvements	157,300		157,300			
14251	Library Facility Improvements	72,800		72,800			
14252	Operations Facilities Improvements	111,200		111,200			
14253	Other Facility Improvements	40,700		40,700			
14254	Recycling Depot Improvements	28,500		28,500			
14255	Roofing Maintenance and Repair	50,900		50,900			
14256	Roofing Replacement Projects	821,500		821,500			
14257	Satellite Community Centre Improvements	20,400		20,400			
14259	Building Condition Audits - FTE	126,500		126,500			
14260	Facility Project Engineer - Contract (Year 2 of 3)	126,500		126,500			
14261	Markham Pan Am Centre - Construction (Year 2)	16,899,600			15,209,600		1,690,000
Asset Management - Facility Assets Total		19,060,500		2,160,900	15,209,600		1,690,000
Asset Management - Environmental Assets							
14271	Flood Control Implementation - West Thornhill Phase 2	6,537,300					6,537,300
14272	Environmental Assets - Storm Water Management-FTE	129,900		129,900			
14273	Stormwater Management Pond - Condition Inspection	51,200		51,200			
14274	Storm Sewer Pipes - Rehabilitation	378,000		378,000			
Asset Management - Environmental Assets Total		7,096,400		559,100			6,537,300

CITY OF MARKHAM
2014 CAPITAL AND OTHER PROGRAMS BUDGET
PROJECTS BY COMMISSION

<i>Project</i>	<i>Project Description</i>	<i>Total</i>	<i>Non-Life Cycle</i>	<i>Operating Life Cycle</i>	<i>DCA</i>	<i>Developer</i>	<i>Other</i>
Asset Management - Right-of-way Assets							
	Streetlights in Markham Heritage Estates Subdivision	54,800	39,800	15,000			
14276	Bridges and Culverts - Condition Inspection	63,500		63,500			
14277	Culverts Rehabilitation (9 Structures) - Design & Const	1,611,400		1,611,400			
14278	Culverts Replacement (19 Structures) - Construction	492,100		492,100			
14279	Structures Minor Rehabilitation Works	52,900		52,900			
14280	ROW Assets - Structures Program-FTE	135,200		135,200			
14281	Sewer Invert Data Quality Assurance-Year 3 of 5	51,900		51,900			
14282	Former Sabiston Landfill - Equipment Maintenance	103,800		103,800			
14283	Streetlight Poles - Condition Inspection	130,500		130,500			
14284	Streetlight Poles - Replacement Program	155,600		155,600			
14285	Streetlights Underground Cable - Condition Inspection	141,200		141,200			
14286	Streetlights Underground Cable - Replacement/ Repair	2,242,000		2,242,000			
14288	Survey Monument Replacement	27,500		27,500			
14287	Streetlighting - Miscellaneous Requests	50,900	50,900				
	Asset Management - Right-of-way Assets Total	5,313,300	90,700	5,222,600			
Waste and Environmental Management							
14293	Replenishing the MESF Reserve	33,000	33,000				14,200
14290	Carpet Recycling Program	14,200					
14292	Multi-Residential Organics Program	40,400	40,400				
14295	Specialty Recycling Containers Program	51,000	4,000				47,000
	Waste and Environmental Management Total	138,600	77,400				61,200
Waterworks							
14303	Cathodic Protection of Iron Watermains Program	553,700					553,700
14306	Milliken Park & Rougecrest WWPS - SCADA Integration	223,900					223,900
14309	Sanitary Lateral Inspection	305,300					305,300
14310	Sanitary Sewer Const / Repl Design	152,600					152,600
14312	Sanitary Sewer System Upgrade/Rehab Program	1,220,100					1,220,100
14314	Sanitary Trunk Sewer and Manhole Inspection	156,700					156,700
14319	Water Meter Replacement/Upgrade Program	493,500					493,500
14320	Water System Physical Condition Assessment	203,500					203,500
14322	Water System Upgrade Program	1,007,600					1,007,600
14324	Watermain Construction Design	462,800					462,800
14089	Location Intelligence software	7,500					7,500
14090	Mobile Work Computer - Waterworks	55,100					55,100
14091	Crystal Report Migration	56,600					56,600
14092	Data Management Strategy	50,900					50,900
14300	12 Month Wastewater Flow Monitoring - Ph 2 of 8	152,600					152,600
14301	Annual Leak Detection Program - Phase 2 of 5	162,800					162,800
14302	Carlton Road Pumping Station Upgrade	506,500					506,500
14305	Environmental Services Overall Data Strategy - Phase 1 of 2	101,800					101,800

CITY OF MARKHAM
2014 CAPITAL AND OTHER PROGRAMS BUDGET
PROJECTS BY COMMISSION

<i>Project</i>	<i>Project Description</i>	<i>Total</i>	<i>Operating Non-Life Cycle</i>	<i>Operating Life Cycle</i>	<i>DCA</i>	<i>Developer</i>	<i>Other</i>
14313	Sanitary System Downspout Disconnection Prog - Ph 2 of 8	894,200					894,200
14315	SCADA Master Plan (Update)	84,000					84,000
14317	Wastewater Compliance & Abatement	89,500					89,500
14318	Water Compliance & Backflow Program	89,200					89,200
14321	Water System Process Audit - Non-Revenue Water	152,600					152,600
	Waterworks Total	7,183,000					7,183,000
	Community & Fire Services Total	60,841,300	1,366,900	26,858,100	15,988,300	35,000	16,593,000
	TOTAL	119,879,300	2,609,463	28,911,465	60,770,614	35,000	27,552,758

CITY OF MARKHAM
2014 CAPITAL AND OTHER PROGRAMS BUDGET
Summary by Commission

	<u>2014 Budget</u>
Development Services	
Building Services	\$993,900
Planning	\$2,439,400
Design	\$9,054,300
Engineering	\$42,592,200
	<u>\$55,079,800</u>
CAO, Legal, HR & Sustainability Office	
Sustainability Office	\$578,600
CAO's Office	\$100,000
	<u>\$678,600</u>
Corporate Services	
ITS	\$2,401,800
Financial Services	\$841,400
Corporate Communications and Community Relations	\$36,400
	<u>\$3,279,600</u>
Community & Fire Services	
Culture	\$270,400
Museum	\$982,700
Theatre	\$160,400
Fire and Emergency Services	\$869,900
Recreation Services	\$1,765,500
Markham Public Library	\$2,317,200
Operations - Roads	\$6,813,600
Operations - Parks	\$4,913,500
Operations - Traffic	\$1,038,000
Operations - Fleet	\$2,918,300
Asset Management - Facility Assets	\$19,060,500
Asset Management - Environmental Assets	\$7,096,400
Asset Management - Right-of-Way Assets	\$5,313,300
Waste and Environmental Management	\$138,600
Waterworks	\$7,183,000
	<u>\$60,841,300</u>
Total	<u><u>\$119,879,300</u></u>