

# Appendix 5 – Capital Forecast Summary 2011-2020

Business Plan & Budget Book 2011-2014

## Information Technology

2011 - 2020 Net Capital Expenditures by Program  
(000's)

Information Technology	2011 Budget	2012 Budget	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
<b>Applications</b>	1,395	2,336	2,915	1,670	5,460	5,450	6,210	4,700	4,970	4,836	39,942
<b>Infrastructure</b>	2,770	4,060	7,013	2,895	1,375	1,450	2,550	2,285	1,775	1,350	27,523
<b>Personal Computer Replacement &amp; Peripherals</b>	1,212	1,162	1,212	1,087	1,137	1,087	1,137	1,087	1,137	1,162	11,423
<b>Total Net Expenditures</b>	<b>5,377</b>	<b>7,558</b>	<b>11,140</b>	<b>5,652</b>	<b>7,972</b>	<b>7,987</b>	<b>9,897</b>	<b>8,072</b>	<b>7,882</b>	<b>7,348</b>	<b>78,888</b>

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### 2011 - 2020 Net Capital Expenditures By Sub-Program (000's)

Applications	2011 Budget	2012 Budget	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Applications - New	750	506	390	200	3,300	3,200	3,300	3,300	3,300	3,436	21,682
Applications - Replacement/Enhancements	595	730	1,675	1,370	2,110	2,150	2,860	1,300	1,120	1,300	15,210
Portal	50	1,100	850	100	50	100	50	100	550	100	3,050
<b>Total Net Expenditures</b>	<b>1,395</b>	<b>2,336</b>	<b>2,915</b>	<b>1,670</b>	<b>5,460</b>	<b>5,450</b>	<b>6,210</b>	<b>4,700</b>	<b>4,970</b>	<b>4,836</b>	<b>39,942</b>

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## Information Technology - Project Listing

### Program: Applications

#### Applications - New

Year	Project	Description	Net Cost ('000's)
2011	SAP - Enterprise Reporting -BR393	Deliver ad hoc reporting and dashboard capabilities for capital forecast planning and Human Resources management.	500
2011	Mobile Applications - BR450	Development of a mobile version of the eCity portal move towards self serve.	250
2012	SAP - Enterprise Reporting -BR393	Deliver ad hoc reporting and dashboard capabilities for Leadership Team.	256
2012	Mobile Applications - BR450	Development of a mobile version of the eCity portal move towards self serve.	175
2012	Enterprise Project Portfolio Management System - BR293	Central application system to manage portfolios/projects and understand the impact of upcoming projects; to provide decision support for resource requirements and projects prioritization.	75
2013	Mobile Applications - BR450	Development of a mobile version of the eCity portal move towards self serve.	175
2013	Enterprise Project Portfolio Management System - BR293	Central application system to manage portfolios/projects and understand the impact of upcoming projects; to provide decision support for resource requirements and projects prioritization.	115
2013	SAP - Enterprise Reporting -BR393	Deliver ad hoc reporting and dashboard capabilities for Leadership Team.	100
2014-2020	Various Applications	Various new applications.	20,036
<b>Total</b>			<b>21,682</b>

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## Information Technology - Project Listing

### Program: Applications

#### Applications - Replacement/Enhancements

Year	Project	Description	Net Cost ('000's)
2011	SAP Enterprise System Enhancements	Enhancement to SAP Enterprise System to optimize the system functionalities.	250
2011	Chameleon System Upgrade	Enhancement to Chameleon (Dog Licensing) System.	100
2011	SharePoint Implementation City wide	Citywide document sharing and collaboration system.	100
2011	Windows Desktop Operating System - BR325	Windows 7 Operating System and Office 2010.	50
2011	Minor Projects	Departmental minor application projects.	50
2011	Class System	Upgrade to Point of Sale system in City facilities.	45
2012	MAX System	MAX (Planning & Building, fire prevention) system upgrade.	250
2012	SAP Enterprise System Enhancements	Enhancement to SAP Enterprise System to optimize the system functionalities.	250
2012	SharePoint Implementation City wide	Citywide document sharing and collaboration system.	100
2012	Windows Desktop Operating System - BR325	Windows 7 Operating System and Office 2010.	80
2012	Minor Projects	Departmental minor application projects.	50
2013	Class System	Upgrade to Point of Sale system in City facilities.	450
2013	Hastus System	Hastus (Transit Operating) System upgrade.	340

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#### Program: Applications

#### Applications - Replacement/Enhancements

Year	Project	Description	Net Cost ('000's)
2013	City Link	Upgrade to City Link (Transit Bus Stop) system.	250
2013	SAP Enterprise System Enhancements	Enhancement to SAP Enterprise System to optimize the system functionalities.	250
2013	Desktop Software Licenses	Software upgrade to remain current and supported.	150
2013	Print Shop System Upgrade	Upgrade to print shop system to remain current and supported.	135
2013	Election System	Election System upgrade.	50
2013	Minor Projects	Departmental minor application projects.	50
2014-2020	Applications Upgrades - Various	Application upgrades to remain current and supported.	12,210
<b>Total</b>			<b>15,210</b>

#### Portal

Year	Project	Description	Net Cost ('000's)
2011	Portal Applications/Upgrades	Implement/ maintain/ enhance external and internal (eCity Portal and Inside Mississauga) self serve portal applications.	50
2012	Portal Applications/Upgrades	Replace/ enhance external and internal (eCity Portal and Inside Mississauga) self serve portal applications.	1,100
2013	Portal Applications/Upgrades	Replace/ enhance external and internal (eCity Portal and Inside Mississauga) self serve portal applications.	850
2014-2020	Portal Applications	Implement/ maintain/ enhance external and internal (eCity Portal and Inside Mississauga) self serve portal applications.	1,050
<b>Total</b>			<b>3,050</b>

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2011 - 2020 Net Capital Expenditures By Sub-Program  
(000's)

Infrastructure	2011 Budget	2012 Budget	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Network Infrastructure	2,320	3,130	6,163	2,070	1,025	950	1,550	1,355	1,050	600	20,213
Server Expansion	0	830	800	475	300	400	700	830	675	350	5,360
Service Management	450	100	50	350	50	100	300	100	50	400	1,950
<b>Total Net Expenditures</b>	<b>2,770</b>	<b>4,060</b>	<b>7,013</b>	<b>2,895</b>	<b>1,375</b>	<b>1,450</b>	<b>2,550</b>	<b>2,285</b>	<b>1,775</b>	<b>1,350</b>	<b>27,523</b>

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## Information Technology - Project Listings

### Program: Infrastructure

#### Network Infrastructure

Year	Project	Description	Net Cost ('000's)
2011	Network Fibre/Wireless Infrastructure	Replacement of existing network fibre. Implementation of wireless access within City facilities and Outdoor Wi-Fi mesh for traffic, field automation, security and Bus Rapid Transit (BRT).	900
2011	Mobile Radio Replacement - Infrastructure BR526	Voice Communications System (VCOM) Mobile Radio Replacement - Infrastructure share costs with Region of Peel, Peel Police, Brampton and Caledon.	750
2011	Network Replacement, Switches, Routers, Cabling & Upgrade	City-wide network switch replacement program, cabling and network hardware upgrade at City facilities to remain current and supported.	550
2011	Wireless Communication for Mobile Workforce -BR344	Expand the fibre and wireless network for mobile workforce.	120
2012	Mobile Radio Replacement - Infrastructure BR526	Voice Communications System (VCOM) Mobile Radio Replacement - Infrastructure share costs with Region of Peel, Peel Police, Brampton and Caledon.	1,010
2012	Network Replacement, Switches, Routers, Cabling & Upgrade	City-wide network switch replacement program, cabling and network hardware upgrade at City facilities to remain current and supported.	750
2012	Network Fibre/Wireless Infrastructure	Replacement of existing network fibre. Implementation of wireless access within City facilities and Outdoor Wi-Fi mesh for traffic, field automation, security and Bus Rapid Transit (BRT).	600
2012	Wireless Communication for Mobile Workforce -BR344	Expand the fibre and wireless network for mobile workforce.	420
2012	Infrastructure Security	Replace/ enhance IT infrastructure security system.	350
2013	Network Replacement, Switches, Routers, Cabling & Upgrade	City-wide network switch replacement program, cabling and network hardware upgrade at City facilities to remain current and supported.	400

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### Program: Infrastructure

#### Network Infrastructure

Year	Project	Description	Net Cost ('000's)
2013	Mobile Radio Replacement - Infrastructure BR526	Voice Communications System (VCOM) Mobile Radio - including infrastructure share and radio replacement.	5,023
2013	Wireless Communication for Mobile Workforce -BR344	Expand the fibre and wireless network for mobile workforce.	390
2013	Network Fibre/Wireless Infrastructure	Replacement of existing network fibre. Implementation of wireless access within City facilities and Outdoor Wi-Fi mesh for traffic, field automation, security and Bus Rapid Transit (BRT).	300
2013	Phones	Replacement of phones.	50
2014-2020	Network Infrastructure	Network infrastructure management to include replacement of switches based on a five year cycle.	8,000
2014-2020	Voice System Upgrade	Replacement of voicemail servers and software.	600
<b>Total</b>			<b>20,213</b>

#### Server Expansion

Year	Project	Description	Net Cost ('000's)
2012	Server Capacity Replacement & Expansion	Server and storage replacement and expansion.	830
2013	Server Capacity Replacement & Expansion	Server and storage replacement and expansion.	800
2014-2020	Server Capacity Replacement & Expansion	Server and storage replacement and expansion.	3,730
<b>Total</b>			<b>5,360</b>

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### Program: Infrastructure

#### Service Management

Year	Project	Description	Net Cost ('000's)
2011	Business Continuity & Disaster Readiness for Information Technology Systems	Site relocation and implementation of offsite computer contingency site to avoid critical business services disruptions.	350
2011	Tools & Utilities	Tools to manage information technology infrastructure and services.	100
2012	Tools & Utilities	Tools to manage information technology infrastructure and services.	100
2013	Tools & Utilities	Tools to manage information technology infrastructure and services.	50
2014-2020	Business Continuity & Disaster Readiness for Information Technology Systems	Upgrade information technology contingency site and required technology.	800
2014-2020	Tools & Utilities	Tools to manage information technology infrastructure and services.	550
<b>Total</b>			<b>1,950</b>

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2011 - 2020 Net Capital Expenditures By Sub-Program  
(000's)

Personal Computer Replacement & Peripherals	2011 Budget	2012 Budget	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Peripherals	175	175	175	100	100	100	100	100	100	175	1,300
Personal Computer/Notebook- Replacement/Maintenance	900	900	900	900	900	900	900	900	900	900	9,000
Specialized Information Technology Equipment	137	87	137	87	137	87	137	87	137	87	1,123
<b>Total Net Expenditures</b>	<b>1,212</b>	<b>1,162</b>	<b>1,212</b>	<b>1,087</b>	<b>1,137</b>	<b>1,087</b>	<b>1,137</b>	<b>1,087</b>	<b>1,137</b>	<b>1,162</b>	<b>11,423</b>

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### Program: Personal Computers Replacement and Peripherals

#### Peripherals

Year	Project	Description	Net Cost ('000's)
2011	Peripherals	Replacement of monitors and specialized peripheral equipment as required.	175
2012	Peripherals	Replacement of monitors and specialized peripheral equipment as required.	175
2013	Peripherals	Replacement of monitors and specialized peripheral equipment as required.	175
2014-2020	Peripherals	Replacement of monitors and specialized peripheral equipment as required.	775
<b>Total</b>			<b>1,300</b>

#### Personal Computer/Notebook-Replacement/Maintenance

Year	Project	Description	Net Cost ('000's)
2011	Personal Computer/ Notebook Replacement & Maintenance	Annual replacement of personal computers and notebooks based on a four year cycle.	900
2012	Personal Computer/ Notebook Replacement & Maintenance	Annual replacement of personal computers and notebooks based on a four year cycle.	900
2013	Personal Computer/ Notebook Replacement & Maintenance	Annual replacement of personal computers and notebooks based on a four year cycle.	900
2014-2020	Personal Computer/ Notebook Replacement & Maintenance	Annual replacement of personal computers and notebooks based on a four year cycle.	6,300
<b>Total</b>			<b>9,000</b>

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#### Program: Personal Computers Replacement and Peripherals

#### Specialized Information Technology Equipment

Year	Project	Description	Net Cost ('000's)
2011	Audiovisual Equipment	Corporate audiovisual equipment purchase and replacement.	87
2011	Geographic Information System (GIS) / Mapping Hardware	New and replacement specialized technology for GIS / Mapping.	50
2012	Audiovisual Equipment	Corporate audiovisual equipment purchase and replacement.	87
2013	Audiovisual Equipment	Corporate audiovisual equipment purchase and replacement.	87
2013	Geographic Information System (GIS) / Mapping Hardware	New and replacement specialized technology for GIS / Mapping.	50
2014-2020	Audiovisual Equipment	Corporate audiovisual equipment purchase and replacement.	661
2014-2020	Geographic Information System (GIS) / Mapping Hardware	New and replacement specialized technology for GIS / Mapping.	100
<b>Total</b>			<b>1,123</b>