2018 Capital Improvement Budget
Information Technology Department

(in thousands)

Projects	Bonds	State	Federal	Other	Total
CAMA Upgrade	-	-	-	2,766	2,766
Desktop Life Cycle Management	-	-	-	200	200
Enterprise SIEM Event Logging & Correlation	-	-	-	400	400
IT Project Management Tools	-	-	-	115	115
Network/Equipment Life Cycle Management	-	-	-	1,270	1,270
PBX Phone System Life Cycle Management	-	-	-	500	500
Records Management Storage	-	-	-	75	75
SAP Licenses	-	-	-	150	150
Server Hardware Life Cycle Management	-	-	-	173	173
Storage Hardware Life Cycle Management	-	-	-	288	288
Total	**-**	**-**	**-**	**5,937**	**5,937**

2018 - 2023 Capital Improvement Program
Information Technology Department

(in thousands)

Projects	Year	Bonds	State	Federal	Other	Total
Applications						
CAMA Upgrade	2018	-	-	-	2,766	2,766
	2019	-	-	-	2,343	2,343
	2020	-	-	-	2,064	2,064
		-	-	-	7,173	7,173
IT Project Management Tools	2018	-	-	-	115	115
Records Management Storage	2018	-	-	-	75	75
SAP Licenses	2018	-	-	-	150	150
Infrastructure						
Data Base Infrastructure Replacement	2019	-	-	-	92	92
	2022	-	-	-	92	92
		-	-	-	184	184
Desktop Life Cycle Management	2018	-	-	-	200	200
Enterprise SIEM Event Logging & Correlation	2018	-	-	-	400	400
Network/Equipment Life Cycle Management	2018	-	-	-	1,270	1,270
	2019	-	-	-	200	200
	2020	-	-	-	200	200
	2021	-	-	-	200	200
	2022	-	-	-	200	200
	2023	-	-	-	200	200
		-	-	-	2,270	2,270
PBX Phone System Life Cycle Management	2018	-	-	-	500	500
Server Hardware Life Cycle Management	2018	-	-	-	173	173
	2019	-	-	-	115	115
	2020	-	-	-	288	288
	2021	-	-	-	173	173
	2022	-	-	-	161	161
	2023	-	-	-	161	161
		-	-	-	1,071	1,071
Storage Hardware Life Cycle Management	2018	-	-	-	288	288
	2019	-	-	-	288	288
	2020	-	-	-	288	288
	2021	-	-	-	288	288

2018 - 2023 Capital Improvement Program
Information Technology Department

(in thousands)

Projects	Year	Bonds	State	Federal	Other	Total
Storage Hardware Life Cycle Management	2022	-	-	-	288	288
	2023	-	-	-	288	288
		-	-	-	1,728	1,728
	Total	**-**	**-**	**-**	**13,866**	**13,866**

CAMA Upgrade

Project ID	ITD2012001	**Department**	Information Technology
Project Type	Replacement	**Start Date**	July 2018
Location	HD-SD: Community-wide	**End Date**	December 2020

Description

Computerized Assisted Mass Appraisal (CAMA).   Project will leverage modern technology for assessing value and tax collection for all real and personal property. The 30-year old legacy property appraisal system will be replaced with a relational database system, spatially referenced and fully integrated with GIS data with real 3D intelligent aerial imagery. Property tax is the largest revenue stream for the Municipality and this is a mission critical application. Upgrade is needed due to lack of support for current version of software. There is risk associated with compatibility issues as the mainframe operating system, database and hardware are replaced or upgraded. Also, as the number of people with mainframe skill set continues to dwindle we may need more outsourced support for the system. Useful life will be 10 years. Expected spending will begin in 2018 but appropriation approval is needed in 2017 in order to enter into a contract with the vendor, Tyler Technologies, to allow sufficient time for them to provide quotes and commit staffing resources to meet the 2018 project start date.   Maintenance expense of $236,140 should begin in 2019 (one year after project start date).   A one-time training expenditure in the amount of $160,255 is expected to impact operating budget year 2020.   Project is expected to go-live 4th quarter 2020.

Version 2018 Proposed

		2018	2019	2020	2021	2022	2023	Total
Revenue Sources	**Fund**							
Internal Charges to Others	607800 - Information Technology	2,766	2,343	2,064	-	-	-	7,173
	Total (in thousands)	**2,766**	**2,343**	**2,064**	**-**	**-**	**-**	**7,173**

	2018	2019	2020	2021	2022	2023	Total
O & M Costs							
Computer SW Maint(MOA/AWWU)	-	236	236	236	236	236	1,180
Depreciation	-	-	-	277	277	277	831
LT Contracts Pay Int	-	75	65	54	43	32	269
Participant Training	-	160	-	-	-	-	160
Total (in thousands)	**-**	**471**	**301**	**567**	**556**	**545**	**2,440**

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Data Base Infrastructure Replacement

Project ID   IT2017002   **Department**   Information Technology

Project Type   Replacement   **Start Date**   January 2019

Location   HD-SD: Community-wide   **End Date**   September 2022

Description

Scheduled infrastructure refresh as equipment ages. These are servers specific to Oracle & SQL data base.

Version 2018 Proposed

		2018	2019	2020	2021	2022	2023	Total
Revenue Sources	**Fund**							
Internal Charges to Others	607800 - Information Technology	-	92	-	-	92	-	184
	Total (in thousands)	**-**	**92**	**-**	**-**	**92**	**-**	**184**

Desktop Life Cycle Management

Project ID	IT2018003	**Department**	Information Technology
Project Type	Replacement	**Start Date**	April 2018
Location	HD-SD: Community-wide	**End Date**	December 2018

Description

Capital purchase of new equipment to replace existing MOA computers that have reached end of life, and technology for MOA user collaboration within MOA and with external resources. Targeted to replace for 2018 will be 60 laptops and 90 desktops. The useful life for laptops is 3 years and desktop units is 5 years.

Version 2018 Proposed

		2018	2019	2020	2021	2022	2023	Total
Revenue Sources	**Fund**							
Internal Charges to Others	607800 - Information Technology	200	-	-	-	-	-	200
	Total (in thousands)	**200**	**-**	**-**	**-**	**-**	**-**	**200**

O & M Costs								
Depreciation		10	40	40	40	40	30	200
LT Contracts Pay Int		-	5	4	3	2	1	15
	Total (in thousands)	**10**	**45**	**44**	**43**	**42**	**31**	**215**

Enterprise SIEM Event Logging & Correlation

Project ID	IT2018002	**Department**	Information Technology
Project Type	Improvement	**Start Date**	March 2018
Location	HD-SD: Community-wide	**End Date**	December 2018

Description

The MOA is in need of an Enterprise Security Information and Event Management (SIEM) system to provide real-time analysis of alerts generated by a multitude of applications hardware across multiple departments and domains. The Solution will correlate things like Windows Event logs, Network Logs and logs that will come out of the new Microsoft Data Analytics engine that is currently on our roadmap and will also work most all applications that we procure in the foreseeable future. This solution will also allow us to almost instantly examine, track and alert on MOA anomalies that take place all across the MOA wide area network. Useful life is 3 years.

Version 2018 Proposed

		2018	2019	2020	2021	2022	2023	Total
Revenue Sources	**Fund**							
Internal Charges to Others	607800 - Information Technology	400	-	-	-	-	-	400
	Total (in thousands)	**400**	**-**	**-**	**-**	**-**	**-**	**400**
O & M Costs								
Computer SW Maint(MOA/AWWU)		-	60	60	60	-	-	180
Depreciation		34	133	133	100	-	-	400
LT Contracts Pay Int		5	8	4	1	-	-	18
	Total (in thousands)	**39**	**201**	**197**	**161**	**-**	**-**	**598**

IT Project Management Tools

Project ID	IT2018005		**Department**	Information Technology
Project Type	New		**Start Date**	May 2018
Location	HD-SD: Community-wide		**End Date**	June 2018

Description

Software to Manage the IT Project Lifecycle. Maintaining the portfolio of projects is dependent on an efficient tool that can provide a comprehensive listing, automatic updates, statuses and reporting. This will result in transparency to internal and external customers as well as efficiency to the IT PMO staff. Today, these processes are done in Excel in various spreadsheets and manually updated. 3-year useful life

Version 2018 Proposed

		2018	2019	2020	2021	2022	2023	Total
Revenue Sources	**Fund**							
Internal Charges to Others	607800 - Information Technology	115	-	-	-	-	-	115
Total (in thousands)		**115**	**-**	**-**	**-**	**-**	**-**	**115**
O & M Costs								
Depreciation		19	38	38	20	-	-	115
LT Contracts Pay Int		2	2	1	-	-	-	5
Total (in thousands)		**21**	**40**	**39**	**20**	**-**	**-**	**120**

Network/Equipment Life Cycle Management

Project ID	IT2016007	**Department**	Information Technology
Project Type	Replacement	**Start Date**	January 2017
Location	HD-SD: Community-wide	**End Date**	December 2023

Description

Capital to purchase and install new network switching and routing gear at various location within the MOA network. The hardware will replace existing equipment that has been in use for over 8 years and is no longer supported by the manufacture. To be proactive in avoiding network failures due to end of life equipment. Useful life is 7 years. Network/Equipment Life Cycle Management - Project to replace outdated Enterprise infrastructure; Network/Equipment Hardware. Budgeted will be allocated towards the following locations: EOC (Emergency Operations Control Center) Network & Infrastructure Refresh (CAD) $120k; DHHS (Dept of Health & Human Service) $220k; City Hall Network $440k; Co_Lo (Co-location, shared data center facility)Network & PDU (Power Distribution Units) $490. PDU's are intelligent power strips that connect the racks that house the network and servers to the electrical panels.

Version 2018 Proposed

		2018	2019	2020	2021	2022	2023	Total
Revenue Sources	**Fund**							
Internal Charges to Others	607800 - Information Technology	1,270	200	200	200	200	200	2,270
	Total (in thousands)	**1,270**	**200**	**200**	**200**	**200**	**200**	**2,270**
O & M Costs								
Computer HW Maint(MOA/AWWU)		165	165	165	165	165	165	990
Depreciation		45	181	181	181	181	181	950
LT Contracts Pay Int		-	34	30	24	20	14	122
	Total (in thousands)	**210**	**380**	**376**	**370**	**366**	**360**	**2,062**

PBX Phone System Life Cycle Management

Project ID	ITD2015002	**Department**	Information Technology
Project Type	Replacement	**Start Date**	March 2018
Location	HD-SD: Community-wide	**End Date**	December 2018

Description

2018 capital purchase is to transition from the aging 20+ year old on-premise PBX phone architecture to a current technology using a cloud and on-premise environment. 5 year useful life.

Version 2018 Proposed

		2018	2019	2020	2021	2022	2023	Total
Revenue Sources	**Fund**							
Internal Charges to Others	607800 - Information Technology	500	-	-	-	-	-	500
	Total (in thousands)	**500**	**-**	**-**	**-**	**-**	**-**	**500**

	2018	2019	2020	2021	2022	2023	Total
O & M Costs							
Computer HW Maint(MOA/AWWU)	10	10	10	10	10	-	50
Depreciation	25	100	100	100	100	75	500
LT Contracts Pay Int	7	12	9	6	3	1	38
Total (in thousands)	**42**	**122**	**119**	**116**	**113**	**76**	**588**

Records Management Storage

Project ID	IT2018001	**Department**	Information Technology
Project Type	New	**Start Date**	March 2018
Location	HD-SD: Community-wide	**End Date**	June 2018

Description

ITD will procure and implement an Electronic Records Management system to enable MOA to comply with Municipal code requirements and regulations for the management, retention and destruction of electronic records. This software has a useful like of 3 years.

Version 2018 Proposed

		2018	2019	2020	2021	2022	2023	Total
Revenue Sources	**Fund**							
Internal Charges to Others	607800 - Information Technology	75	-	-	-	-	-	75
	Total (in thousands)	**75**	**-**	**-**	**-**	**-**	**-**	**75**
O & M Costs								
Computer SW Maint(MOA/AWWU)		15	15	15	-	-	-	45
Depreciation		6	25	25	19	-	-	75
LT Contracts Pay Int		1	1	1	-	-	-	3
	Total (in thousands)	**22**	**41**	**41**	**19**	**-**	**-**	**123**

SAP Licenses

Project ID	IT2018004		**Department**	Information Technology
Project Type	New		**Start Date**	April 2018
Location	HD-SD: Community-wide		**End Date**	June 2018

Description

Analysis is in process to determine additional SAP licenses for ECM & KABA needed after go-live. This software has a useful life of 3 years.

Version 2018 Proposed

		2018	2019	2020	2021	2022	2023	Total
Revenue Sources	**Fund**							
Internal Charges to Others	607800 - Information Technology	150	-	-	-	-	-	150
	Total (in thousands)	**150**	**-**	**-**	**-**	**-**	**-**	**150**
O & M Costs								
Computer SW Maint(MOA/AWWU)		30	30	30	-	-	-	90
Depreciation		25	50	50	25	-	-	150
LT Contracts Pay Int		3	2	1	-	-	-	6
	Total (in thousands)	**58**	**82**	**81**	**25**	**-**	**-**	**246**

Server Hardware Life Cycle Management

Project ID	IT2016008	**Department**	Information Technology
Project Type	Replacement	**Start Date**	January 2018
Location	HD-SD: Community-wide	**End Date**	December 2021

Description

This capital is to replace server hardware that is at end of life and failing. Server hardware is refreshed very 5 years.

Version 2018 Proposed

		2018	2019	2020	2021	2022	2023	Total
Revenue Sources	**Fund**							
Internal Charges to Others	607800 - Information Technology	173	115	288	173	161	161	1,071
	Total (in thousands)	**173**	**115**	**288**	**173**	**161**	**161**	**1,071**
O & M Costs								
Computer HW Maint(MOA/AWWU)		17	17	17	17	17	-	85
Depreciation		9	35	35	35	35	26	175
LT Contracts Pay Int		-	4	3	2	2	1	12
	Total (in thousands)	**26**	**56**	**55**	**54**	**54**	**27**	**272**

Storage Hardware Life Cycle Management

Project ID	IT2016009	**Department**	Information Technology
Project Type	Upgrade	**Start Date**	January 2017
Location	HD-SD: Community-wide	**End Date**	December 2023

Description

This capital will replace aging storage hardware at end of life. Storage capacity demands are ever increasing requiring regular investment into replacement or additional hardware required for back up and recovery capacity to cover projected growth. Storage hardware is refreshed every 5 years.

Version 2018 Proposed

		2018	2019	2020	2021	2022	2023	Total
Revenue Sources	**Fund**							
Internal Charges to Others	607800 - Information Technology	288	288	288	288	288	288	1,728
Total (in thousands)		**288**	**288**	**288**	**288**	**288**	**288**	**1,728**

O & M Costs	2018	2019	2020	2021	2022	2023	Total
Computer HW Maint(MOA/AWWU)	29	29	29	29	29	-	145
Depreciation	28	58	58	58	58	28	288
LT Contracts Pay Int	5	6	5	3	2	-	21
Total (in thousands)	**62**	**93**	**92**	**90**	**89**	**28**	**454**