



Central York Fire Services

Agenda

Joint Council Committee

Date: Tuesday, January 22, 2019
Time: 10:00 AM
Location: Council Chambers
Municipal Offices
395 Mulock Drive
Newmarket, ON L3Y 4X7

Pages

1. Additions & Corrections to the Agenda

2. Declarations of Pecuniary Interest

3. Presentations

3.1 Joint Council Committee Member Orientation

1

Note: Fire Chief Ian Laing will be present to provide an orientation presentation.

4. Deputations

5. Approval of Minutes

5.1 Central York Fire Services – Joint Council Committee Meeting Minutes of September 4, 2018

19

1. That the Central York Fire Services - Joint Council Committee Meeting Minutes of September 4, 2018 be approved.

6. Items

6.1 Appointment of Chair and Vice-Chair

6.2 2019 Calendar

1. That the Joint Council Committee approve the following meeting schedule for 2019:
 - March 5, 2019

- May 7, 2019
- July 2, 2019
- September 3, 2019
- November 5, 2019

6.3 CYFS Budget Report - Third Quarter 2018 23

1. That the report entitled CYFS Preliminary Budget Report - Third Quarter dated January 22, 2019 be received for information purposes.

6.4 Fire Stations Information Report 27

1. That the Central York Fire Services Information Report dated January 22, 2019 be received for information purposes.

6.5 Fleet Information Report 33

1. That Central York Fire Services Report dated January 22, 2019 titled Fleet Information Report be received for information purposes.

7. **New Business**

8. **Closed Session (if required)**

9. **Adjournment**

COUNCIL

PRESENTATION



2019

Fire Service History

Firefighters have been serving Aurora and Newmarket since the 1800's.



Today's challenges have increased in number and scope;

“We are doing more than just fighting fires”



Consolidated Fire Services

- Consolidation of Aurora and Newmarket Fire Departments
- One Fire Chief reporting to both Councils through the Joint Council Committee (JCC)
- Proportionate Cost Sharing based on;
 - Population of each community
 - Assessed value of lands in each municipality
 - Total incidents during the previous year for each community

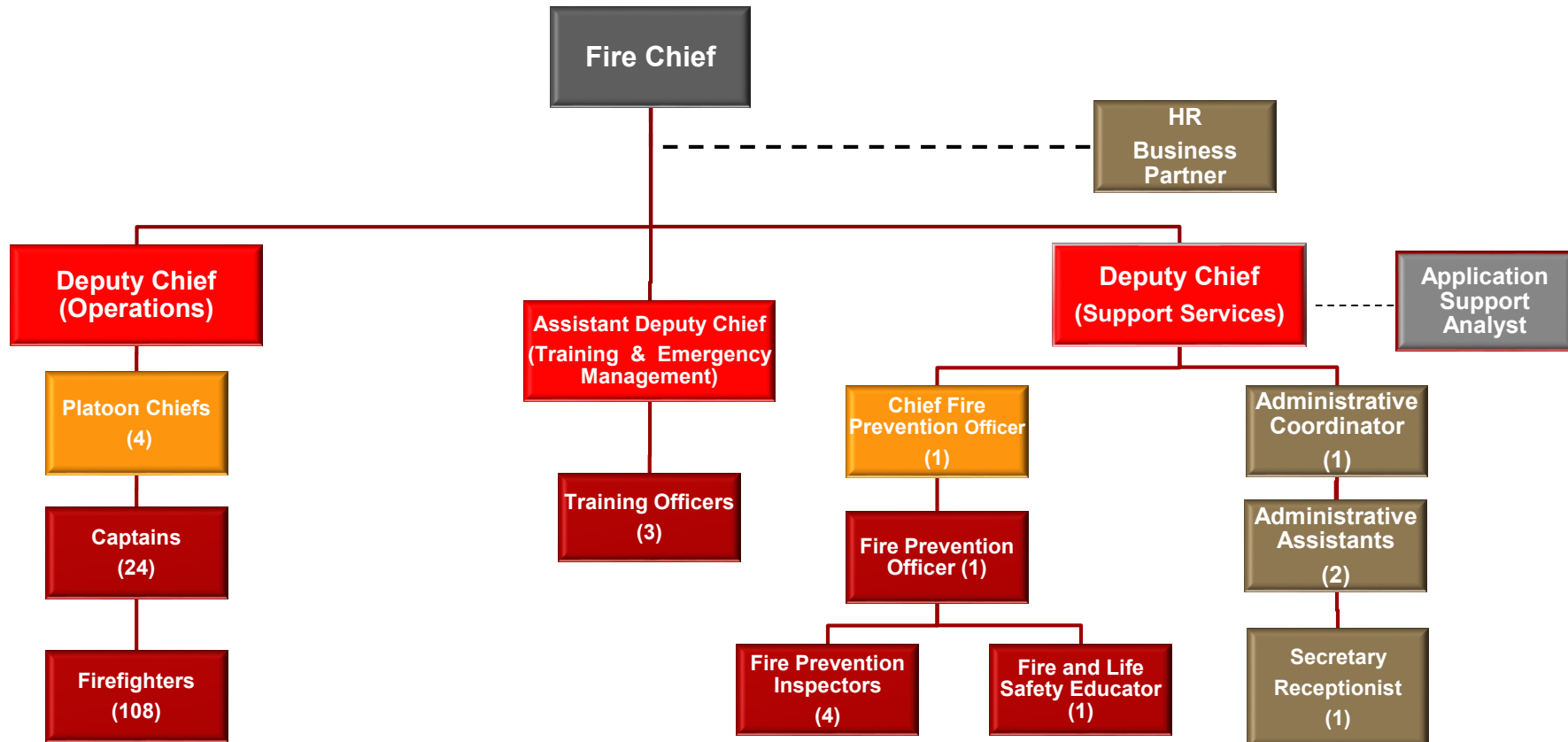


Joint Council Committee

- JCC is charged with the responsibility of providing and administering a borderless, single tier level of fire protection and prevention services throughout the entire geographic area for both the Towns of Aurora and Newmarket. This is done in accordance with the Consolidated Fire and Emergency Services Agreement, as well as the obligations contained in the Fire Protection and Prevention Act as amended and any regulations passed thereunder.



Department Organization



Fire Station Locations

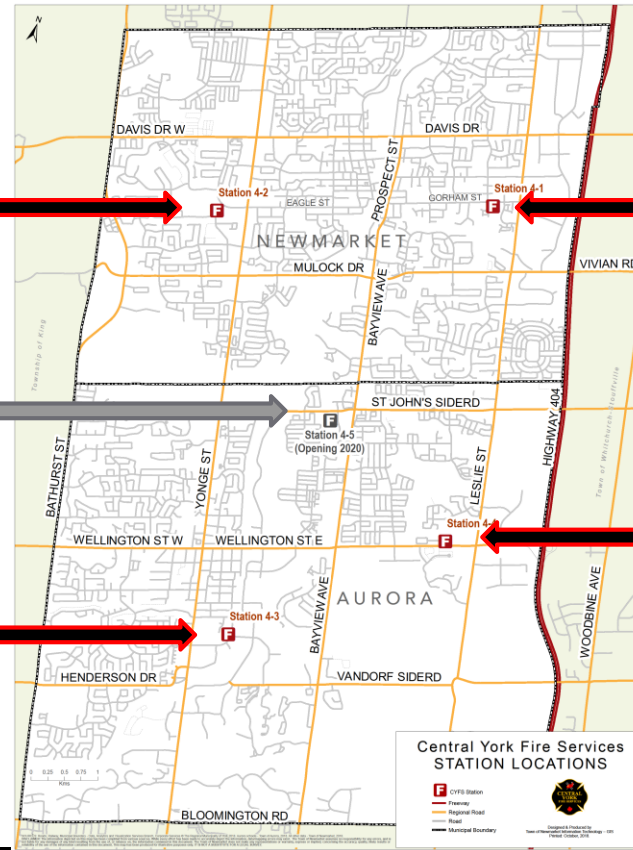
Station 4-2
125 McCaffrey Road

Station 4-5
300 Earl Stewart Drive
(Opening 2020)

Station 4-3
220 Edward St.

Station 4-1
984 Gorham St.

Station 4-4
1344 Wellington St. E.



Fire Station 4-5



FUTURE HOME OF CENTRAL YORK FIRE SERVICES HEADQUARTERS STATION 4-5

Proudly protecting Aurora and Newmarket
Scheduled Opening Spring 2020 www.cyfs.ca/2020



Fire Protection Services

- Fire Protection Services are provided in alignment with the Office of the Fire Marshal's ***"Three Lines of Defense"***
 - ✓ Public Education and Fire Prevention
 - ✓ Fire Safety Standards and Code Enforcement
 - ✓ Emergency Response



Public Education Programs

- Stay Fire Smart Program
- School Tours / Inspections
- School Fire Drills
- Junior Fire Fighter Program
- TAPP- C
- Seniors Fire Safety Program
- Annual “Open House” in each Community
- Emergency Preparedness Program



Vulnerable Occupancies

Nursing Homes and Retirement Homes

- 32 facilities in primary response area (including Southlake Hospital)
- Fire Prevention staff conduct annual inspections
- Evacuation drills are part of the process
- Fire Code Changes – all care facilities will require sprinkler protection under new legislation
- 20 facilities currently have sprinkler protection
 - 10 facilities have been issued orders for compliance in 2019
 - 2 facilities have until January 2025 to comply





- Whitchurch - Stouffville
- King City



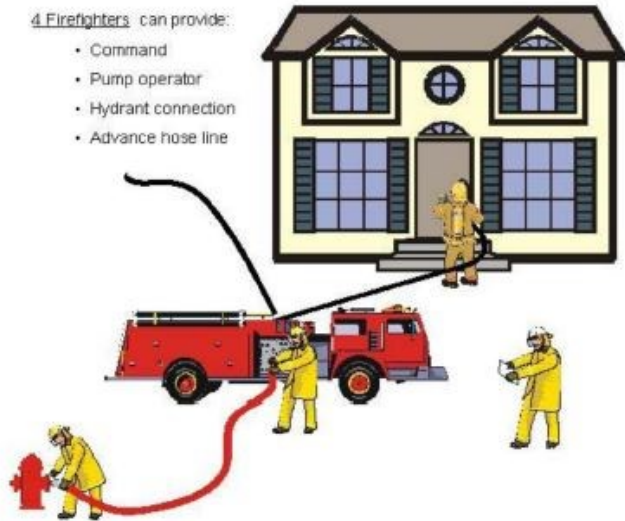
Resources Deployed

INITIAL RESPONSE

Able to commence *limited* rescue or fire fighting with 4 firefighters

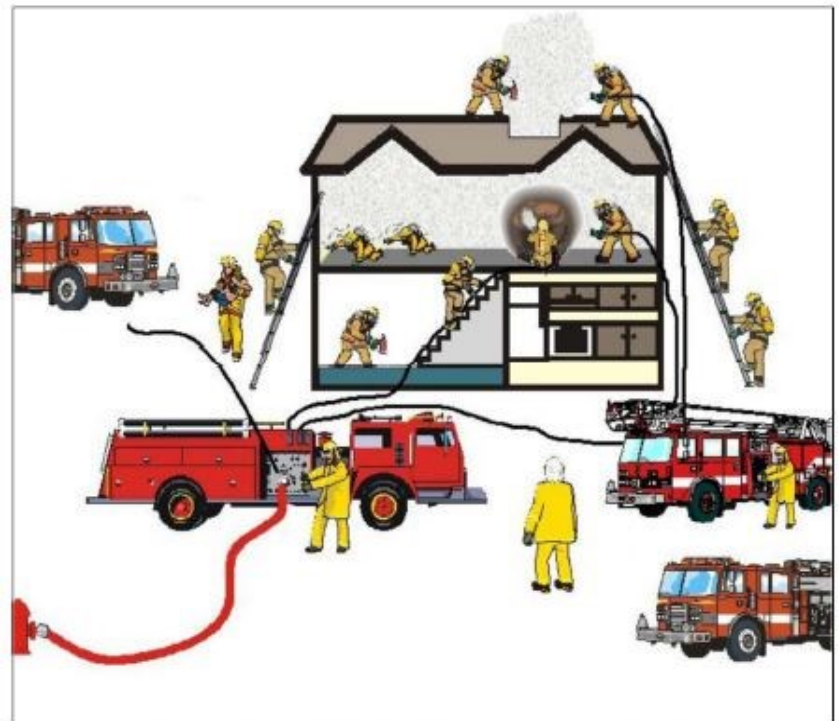
4 Firefighters can provide:

- Command
- Pump operator
- Hydrant connection
- Advance hose line

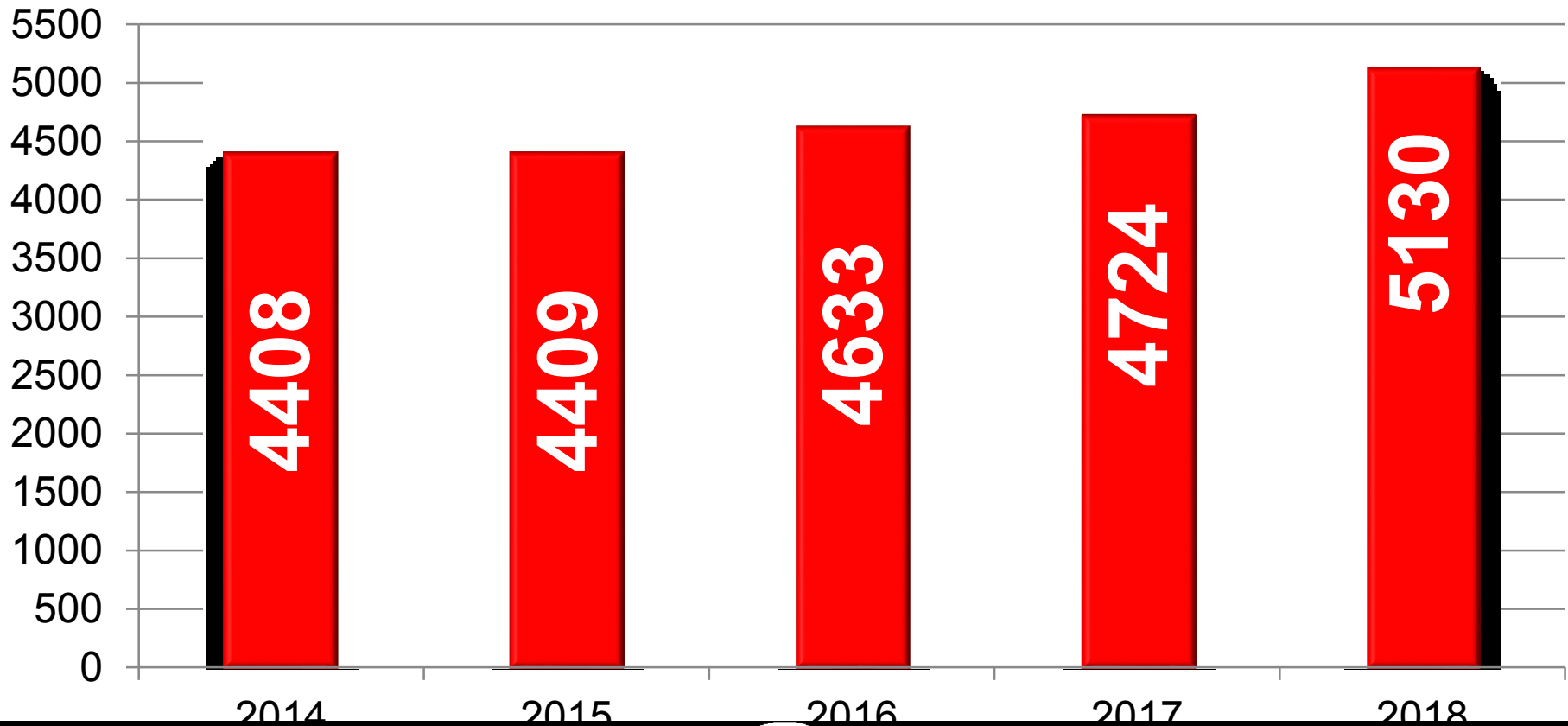


(Source: Previous OFMEM Public Fire Safety Guidelines)

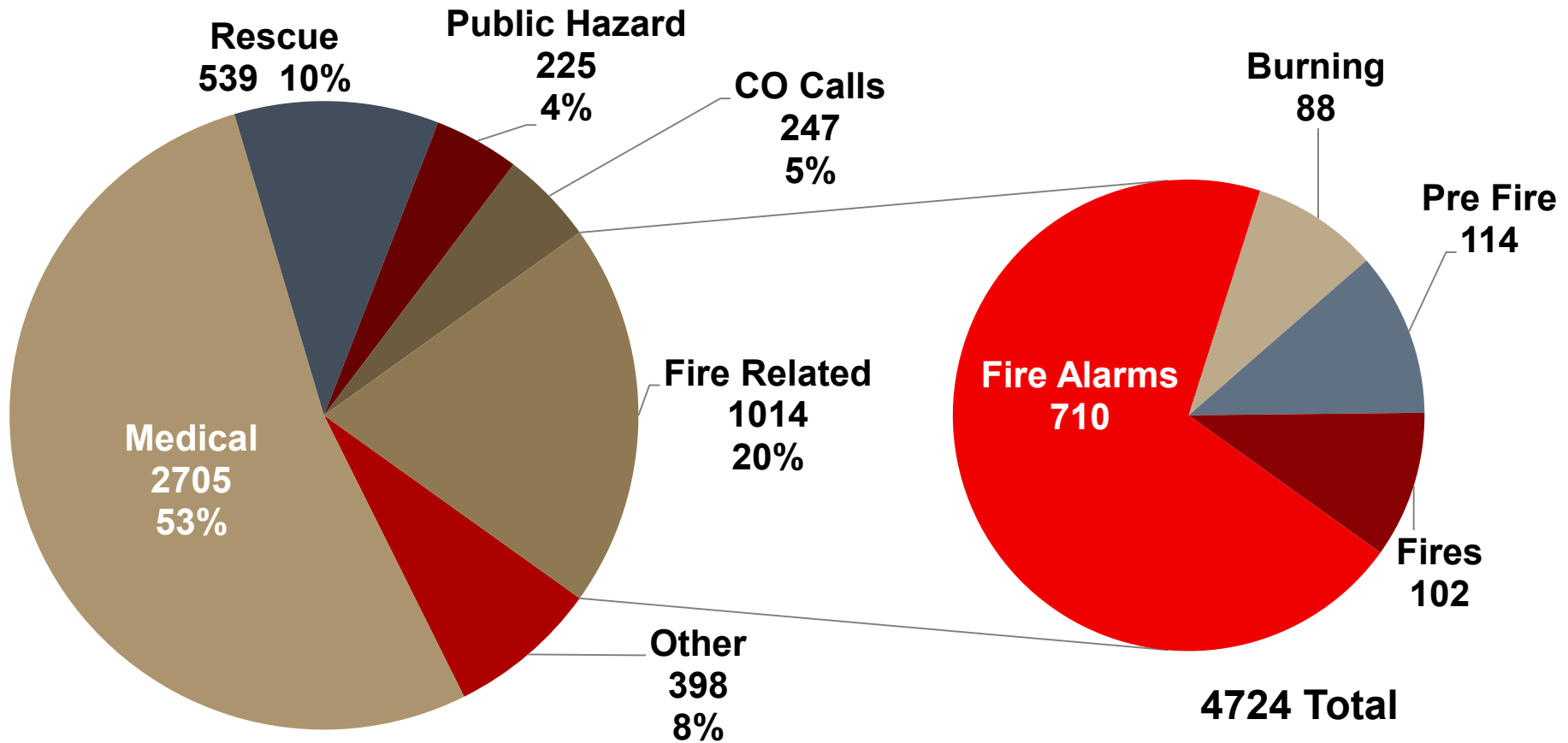
FULL RESPONSE



Emergency Response Data



Emergency Response Type



Staffing Model

- Platoon Chief (PC) supervises on duty staff
- Four Platoons each with 6 “on duty” crews
 - Each Crew consists of Captain and 4 Firefighters
 - Platoon complement is 30 firefighters, plus one PC
- Hire 4 positions annually for creation of 7th crew
 - Program initiated in 2016
 - Planned Completion for 7th crew is 2020
- Continue incremental hiring protocol to ensure maximum coverage
 - Master Fire Plan outlines future need for additional staff
 - Minimizes the impact to taxpayers
 - Stabilizes overtime expenditures / enhances ability to train staff



Budget Considerations

- Draft Operating Budget 2019 \$27.3 Million
- Capital Budget Requests 2019 \$6.2 Million
 - Includes: replacement of Haz Mat Vehicle \$1.0 Million
 - 2019 request for Station 4-5 \$4.8 Million
- Total project cost, including carryovers \$11.0 Million







Central York Fire Services

Minutes

Joint Council Committee

Date: Tuesday, September 4, 2018
 Time: 10:30 AM
 Location: Council Chambers
 Municipal Offices
 395 Mulock Drive
 Newmarket, ON L3Y 4X7

Members Present: Councillor Twinney, Town of Newmarket, Chair
 Councillor Thompson, Town of Aurora, Vice-Chair
 Councillor Abel, Town of Aurora
 Councillor Bisanz, Town of Newmarket
 Councillor Mrakas, Town of Aurora

Members Absent: Councillor Hempen, Town of Newmarket

Staff Present: R.N. Shelton, Chief Administrative Officer, Town of Newmarket
 D. Nadorozny, Chief Administrative Officer, Town of Aurora
 R. Comeau, Deputy Chief, Central York Fire Services
 R. Volpe, Deputy Chief, Central York Fire Services
 C. Duval, Assistant Deputy Chief, Central York Fire Services
 D. Elliott, Director of Financial Services/Town Treasurer, Town of Aurora
 M. Mayes, Director of Financial Services/Treasurer, Town of Newmarket
 D. Schellenberg, Manager of Finance & Accounting, Town of Newmarket
 L. Georgeff, Director of Human Resources, Town of Newmarket
 A. Walkom, Council Committee Coordinator, Town of Newmarket

The meeting was called to order at 10:35 AM with Councillor Twinney in the Chair.

1. Additions & Corrections to the Agenda

None.

2. Declarations of Pecuniary Interest

None.

3. Presentations

None.

4. Deputations

None.

5. Approval of Minutes

**5.1 Central York Fire Services – Joint Council Committee Meeting
Minutes of June 12, 2018**

Moved by: Councillor Mrakas

Seconded by: Councillor Abel

1. That the Central York Fire Services - Joint Council Committee Meeting Minutes of June 12, 2018 be approved.

Carried

6. Items

6.1 CYFS Budget Report – Second Quarter 2018

Deputy Chief Comeau provided an introduction to the budget report.

D. Schellenberg provided an overview of the report and explained the variances from the budget.

Moved by: Councillor Bisanz

Seconded by: Councillor Abel

1. That the report entitled CYFS Preliminary Budget Report – Second Quarter dated September 4, 2018 be received for information purposes.

Carried

6.2 News Article regarding Whitchurch-Stouffville Emergency Services

R. N. Shelton advised that the new Council of Whitchurch-Stouffville will be debating a continuation of the agreement with CYFS or to transition away from the agreement.

Moved by: Councillor Thompson

Seconded by: Councillor Bisanz

1. That the the News Article regarding Whitchurch-Stouffville Emergency Services be received.

Carried

7. New Business

7.1 Traffic Lights at Fire Station

Councillor Thompson inquired if it was feasible to install traffic lights at the Fire Station on Wellington St. in Aurora. Deputy Chief Volpe advised that staff had looked into this option. D. Nadorozny advised that the traffic group had examined the options and found that other methods would be more suitable.

7.2 New Station Construction

Councillor Thompson inquired if a sign would be put up at the site of the future Fire Station 4-5 to let residents know of the project.

Moved by: Councillor Thompson

Seconded by: Councillor Bisanz

1. That the Central York Fire Services Joint Council Committee direct staff to immediately put up a sign at the site of Station 4-5.

Carried

7.3 Fire Hydrant Maintenance

Councillor Twinney inquired if the responsibility for maintaining fire hydrants was with Central York Fire Services or with the municipalities in

which they are located. R. N. Shelton advised that he would confirm that it is the responsibility of the municipality.

8. Closed Session (if required)

None.

9. Adjournment

Moved by: Councillor Thompson

Seconded by: Councillor Bisanz

1. That the Central York Fire Services Joint Council Committee adjourn at 10:59 AM.

Carried

Councillor Twinney, Chair

Date



Town of Newmarket
395 Mulock Drive P.O. Box 328,
Newmarket, Ontario, L3Y 4X7

Email: info@newmarket.ca | Website: newmarket.ca | Phone: 905-895-5193

CYFS Budget Report – Third Quarter 2018 Staff Report

Report Number: 2019-02

Department(s): Joint CYFS, Financial Services

Author(s): Dawn Schellenberg

Meeting Date: January 22, 2019

Recommendations

That the report entitled CYFS Preliminary Budget Report – Third Quarter dated January 22, 2019 be received for information purposes.

Purpose

The purpose of this report is to provide the Joint Council Committee (JCC) with the third quarter results for Central York Fire Services for 2018 and provide an estimate of the year-end results.

Background

Reports on operating and capital results are prepared quarterly, with a more detailed update on the status of capital projects being included for the second quarter (Report 2018-30 dated September 4, 2018) and fourth quarter reports. This third quarter report includes a forecast of year-end results.

Discussion

Operating

Net expenditures were \$868,629 less than budget at the end of the third quarter of 2018.

Wages and benefits have been accrued for a new collective agreement (recently arbitrated for 2016 and 2017), but still reflect a favorable variance to budget due to lower overtime and standby as well as gapping of new positions. Lieu time, paid in November, will be \$112,000 over budget and vehicle repairs and maintenance will be over budget which has been the trend in the last several years. Both factors have been addressed in the JCC recommended 2019 budget. Lower wellness related expenses, resulting from the cancellation of the contract, will be somewhat offset by expenses for a new training initiative.

Total revenues mainly represent fire department recoveries which are below budget at the end of nine months. However, revenues are anticipated to be on budget or higher at year-end.

Capital

The 2018 capital budget, including carryovers, totals \$6,289,301. Included in this amount is \$3,687,761 which has been carried forward from 2016 for the construction of the new fire station (Station 4-5). The remaining amount of \$4.8 million is intended to be included in the 2019 capital budget.

At the end of the third quarter of 2018, expenditures of \$366,703 have been incurred. As well as the purchase of equipment and bunker gear for the new recruits, thermal imaging cameras and other equipment have been replaced. We are awaiting delivery of the replacement fire apparatus tendered and ordered together.

Conclusion

See below.

Business Plan and Strategic Plan Linkages

This report is consistent with the budget methodology set out in the Master Fire Plan.

Consultation

There has been consultation between the Finance staff of both Aurora and Newmarket, as well as Fire Services management.

Human Resource Considerations

None.

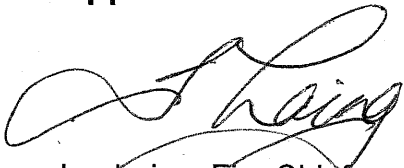
Budget Impact

A surplus of approximately \$50,000 is currently projected for 2018, largely due to staff gapping as well as lower overtime and standby expenses. The Reserve Fund balance is projected to be \$790,000 before any adjustments for 2018 results. Any 2018 CYFS operating surplus would be transferred to the Reserve Fund. A preliminary fourth quarter report will be presented in March 2019.

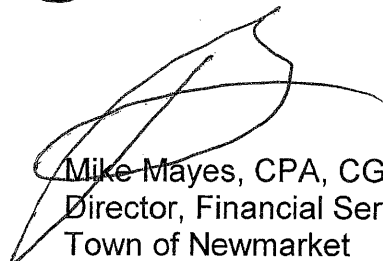
Attachments

Operating Results for the Nine Months ending September 30, 2018

Approval



Ian Laing, Fire Chief
Central York Fire Services



Mike Mayes, CPA, CGA, DPA
Director, Financial Services/Treasurer
Town of Newmarket

Reviewed by:
Jason Gaertner, Deputy Treasurer
Town of Aurora

Contact

For more information on this report, contact Dawn Schellenberg at 905-953-5300, ext. 2104 or via e-mail at dschellenberg@newmarket.ca

CENTRAL YORK FIRE SERVICES
OPERATING RESULTS
For the Nine Months Ending September 30, 2018

OBJECT ACCOUNTS	2017	2018 YTD (September 30, 2018)				2018 FULL	2018
	ACTUAL	ACTUAL	BUDGET	VARIANCE		YEAR	REMAINING
	\$	\$	\$	favourable/(unfavourable)	%	BUDGET	BUDGET
				\$		\$	\$
Expenses							
4011 Management Salaries	615,423	461,496	469,037	7,541	1.61%	641,841	180,345
4021 Regular Salaries & Wages	14,709,172	10,960,737	11,168,584	207,847	1.86%	15,272,233	4,311,496
4024 Standby/Callback	12,283	-	86,000	86,000	100.00%	86,000	86,000
4025 Overtime	170,483	95,251	150,000	54,749	36.50%	200,000	104,749
4026 Lieu Time Paid	721,585	3,823	-	(3,823)	n/a	617,000	613,177
4028 WSIB Reimbursements	(18,778)	(46,017)	-	46,017	n/a	-	46,017
4031 Casual/Seasonal Wage	20,366	18,864	14,615	(4,249)	(29.07%)	20,000	1,136
4081 Payroll Allocations	-	10,669	68,388	57,719	84.40%	93,583	82,914
4109 Direct Payroll Benefits	4,791,494	3,336,113	3,633,420	297,307	8.18%	4,972,051	1,635,938
Sub Total Salaries and Benefits	21,022,028	14,840,935	15,590,044	749,109	4.81%	21,902,708	7,061,773
4216 Stationery & Office Supplies	13,168	11,137	11,250	114	1.01%	15,000	3,864
4217 Photocopier Lease & Supplies	4,567	2,870	5,625	2,755	48.98%	7,500	4,630
4219 Emergency Mgmt. Materials	3,956	1,313	2,999	1,686	56.23%	4,000	2,687
4229 Janitorial Supplies	17,636	19,636	15,000	(4,636)	(30.90%)	20,000	364
4231 Machine Oil & Fuel	95,802	98,462	78,750	(19,712)	(25.03%)	105,000	6,538
4261 Uniforms, Clothing	146,735	90,447	104,249	13,802	13.24%	139,000	48,553
4269 Misc.	11,191	8,130	8,250	120	1.46%	11,000	2,870
4272 Vehicle Repairs & Maintenance	495,840	316,803	294,599	(22,204)	(7.54%)	392,800	75,997
4273 Building Repairs & Maintenance	146,970	96,004	89,999	(6,005)	(6.67%)	120,000	23,996
4278 Equipment Repairs & Maintenance	125,164	73,047	92,625	19,578	21.14%	123,500	50,453
4278 Radio Equipment Maintenance	17,866	34,519	26,250	(8,269)	(31.50%)	35,000	481
4299 Capital Acquisitions	61,156	36,054	45,000	8,946	19.88%	60,000	23,946
4303 Cell Phone	21,206	17,447	18,112	665	3.67%	24,150	6,703
4311 Hydro	84,379	61,691	69,374	7,683	11.07%	92,500	30,809
4321 Heat	33,720	27,076	33,749	6,673	19.77%	45,000	17,924
4331 Water	17,370	14,337	11,249	(3,088)	(27.45%)	15,000	663
4404 Consulting Services	10,840	3,000	44,999	41,999	93.33%	60,000	57,000
4425 Education/Corporate Tuition Assist.	2,459	687	6,374	5,687	89.22%	8,500	7,813
4462 Fire Prevention	29,531	27,601	20,999	(6,602)	(31.44%)	28,000	399
4462 Fire Prevention - Public education	-	5,164	7,499	2,335	31.14%	10,000	4,836
4463 Fire Investigation	2,309	1,095	1,874	779	41.55%	2,500	1,405
4464 Association Allowance	3,000	3,000	2,250	(750)	(33.33%)	3,000	-
4465 Dispatch Service	450,548	232,573	230,000	(2,573)	(1.12%)	460,000	227,427
4466 Wellness Program	117,025	8,303	108,749	100,446	92.37%	145,000	136,697
4471 Mileage/Parking/Tolls	1,284	747	2,250	1,503	66.78%	3,000	2,253
4474 Medical oversight	18,784	16,661	11,250	(5,411)	(48.10%)	15,000	(1,661)
4474 Training	100,250	45,739	74,999	29,260	39.01%	100,000	54,261
4478 Conferences & Seminar Fees	28,131	9,162	20,625	11,463	55.58%	27,500	18,338
4511 Street Snowploughing Contract	2,846	2,080	7,000	4,920	70.28%	10,000	7,920
4662 Contingency Account	164,310	46,856	33,750	(13,106)	(38.83%)	45,000	(1,856)
4667 Property lease	30,000	22,500	22,500	-	0.00%	30,000	7,500
Support cost allocation	911,482	723,381	723,379	(2)	(0.00%)	964,508	241,127
4911 Transfer to Capital	6,600	-	-	-	n/a	-	-
4936 Asset Replacement Fund	850,000	824,700	824,700	0	0.00%	1,099,600	274,900
Total Expenses	25,048,153	17,723,159	18,640,321	917,162	4.92%	26,123,766	8,400,607
Revenues							
7419 - Other Grant	-	5,153	-	5,153	n/a	-	-
7431 Fire Dept. Recoveries	333,713	168,720	230,379	(61,659)	-26.76%	307,172	138,452
7471 Misc. Charges	10,788	15,472	7,499	7,973	106.32%	10,000	(5,472)
Total Revenues	344,501	189,345	237,878	(48,533)	-20.40%	317,172	132,980
Net Expenditure Before Transfers	24,703,652	17,533,814	18,402,443	868,629	4.72%	25,806,594	8,267,628
Transfers to/(from) Reserve Fund							
4922 Transfer to Reserve Fund	71,715	-	-	-	n/a	-	-
7542 From Reserve Fund	(61,692)	-	-	-	n/a	-	-
Net Expenditure	24,713,675	17,533,814	18,402,443	868,629	4.72%	25,806,594	8,267,628
Newmarket's share(2017-59.40%; 2018- 59.35%)	14,654,876	10,406,318	10,921,850	515,532	4.72%	15,316,214	4,906,837
Aurora's share(2017-40.60%; 2018 - 40.65%)	10,058,799	7,127,495	7,480,593	353,098	4.72%	10,490,380	3,360,791
	24,713,675	17,533,814	18,402,443	868,629	4.72%	25,806,594	8,267,628



CENTRAL YORK FIRE SERVICES

January 22, 2019

CENTRAL YORK FIRE SERVICES

To: Joint Council Committee

Origin: Central York Fire Services - Deputy Chief Rocco Volpe

Subject: Fire Stations Information Report

RECOMMENDATIONS

That the Central York Fire Services Information Report dated January 22, 2019 be received for information purposes.

COMMENTS

This report is presented to the Joint Council Committee (JCC) to provide information on the current Central York Fire Services (CYFS) fire stations.

BACKGROUND

CYFS is a career Fire Department that provides protection to the Towns of Aurora and Newmarket, in York Region, Ontario, Canada. CYFS serves a combined population of approximately 150,000 and covers an area of 90 square kilometers.

CYFS responds to approximately 5,000 emergency calls each year. These calls range from fires, fire alarms, motor vehicle collisions and medical emergencies. Since the consolidation of the fire departments of Aurora and Newmarket in January 2002 the department has grown into a professional fire service equipped and trained to provide a comprehensive range of emergency services. CYFS currently operates out of four fire stations (two in Aurora and two in Newmarket). In addition, CYFS has a Training Centre located in Newmarket.

STATION 4-1 FIRE HEADQUARTERS
984 Gorham Street, Newmarket

Station 4-1 serves as CYFS Fire Headquarters. The two story, 12,000 square foot building was officially opened in 1991. The fire station sits on 2.25 acres of land.

Please see attachment "CYFS Response Zones" for further details.

Currently, the following Divisions/personnel work out of the facility:

- Senior Fire Management - 3
- Fire Administration - 4
- Information Technology - 1
- Fire Prevention - 7
- Fire Suppression - 4 Platoon Chiefs, 20 Firefighters

STATION 4-2
125 McCaffrey Road, Newmarket

Station 4-2 officially opened in 1998. Station 4-2 was named after the CYFS' first Chief, John Molyneaux (retired). The single story, 9,000 square foot fire station is situated on 1.5 acres of land. Upon amalgamation in 2002, Station 4-2 has two suppression crews (40 Firefighters) responding out of that fire station due to volume of calls and depth of response. In 2014, interior renovations were completed in an effort to upgrade the fire station to modern standards.

Please see attachment "CYFS Response Zones" for further details

STATION 4-3
220 Edward Street, Aurora

Station 4-3 officially opened in 1979. Prior to amalgamation in 2002, Station 4-3 served as Fire Headquarters for the Town of Aurora Fire Department. The single story, 12,000 square foot building sits on 1.64 acres. Additionally, York Region EMS occupies 2,300 square feet. In 2013, renovations were completed to upgrade the fire station to modern standards. Two suppression crews (40 Firefighters) respond out of Station 4-3.

Please see attachment "CYFS Response Zones" for further details.

STATION 4-4**1344 Wellington Street East, Aurora**

Station 4-4 officially opened in 2006. The single story, 8,500 square foot fire station sits on 1.6 acres. Station 4-4 was dedicated to long serving Town of Aurora Fire Department Deputy Fire Chief, Fred Bolsby. One suppression crew (20 Firefighters) respond out of Station 4-4. Due to the proximity to Whitchurch-Stouffville, CYFS provides primary response to the adjoining community.

Please see attachment "CYFS Response Zones" for further details.

STATION 4-5**300 Earl Stewart Drive, Aurora**

Station 4-5 estimated completion date is June 2020. The two story, 26,000 square foot building sits on four acres of land. The budget for the project is eleven million dollars. Station 4-5 will be the new Headquarters for CYFS, which will be the new home of the following divisions/personnel

- Senior Fire Management - 4
- Fire Administration – 4
- Training Division - 3
- Information Technology - 1
- Fire Suppression – Proposed 4 Platoon Chiefs, 40 Firefighters

Please see attachment "CYFS Response Zones" for further details.

CYFS TRAINING CENTRE**623 Timothy Street, Newmarket**

CYFS officially took possession of the Training Centre in 2011. Formally this facility was the Town of Newmarket Operations Centre, the two-story 14,600 square foot building sits on 3.7 acres of land. The training facility provide diverse training options for both new recruit Fire Fighters and experienced staff. Training and educational activities are critical for Fire Fighter safety and enhanced skill development in order to provide effective and efficient services to the community.

FACILITY PROJECTS

The table below provides an outlook for future approved and pending CYFS Capital Projects.

Work	Tentative Date	Funded By
Station 4-1: <ul style="list-style-type: none"> Asphalt resurfacing & curbs (front only) Interlock walkway Replacement of station generator Digital station sign/ LED board 	Spring / Summer 2019	Newmarket
Station 4-2: <ul style="list-style-type: none"> Replacement of roof shingles Parking lot resurfacing pending 2019 budget approval 	Spring / Summer 2019	Newmarket
Station 4-3: <ul style="list-style-type: none"> Digital station sign/LED board pending 2020 budget approval 	2020	Aurora
Station 4-4: <ul style="list-style-type: none"> Heat trace cable for roof 	Winter 2018	Aurora
CYFS Training Centre: <ul style="list-style-type: none"> No capital expenditures, only maintenance repairs 		CYFS Operating Budget

CONSULTATION

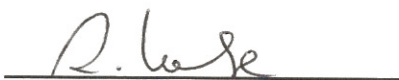
The Fire Management team was consulted in preparation of this report.

IMPACT ON THE MASTER FIRE PLAN

There is no impact on the CYFS Master Fire Plan.

CONTACT

Deputy Chief Rocco Volpe

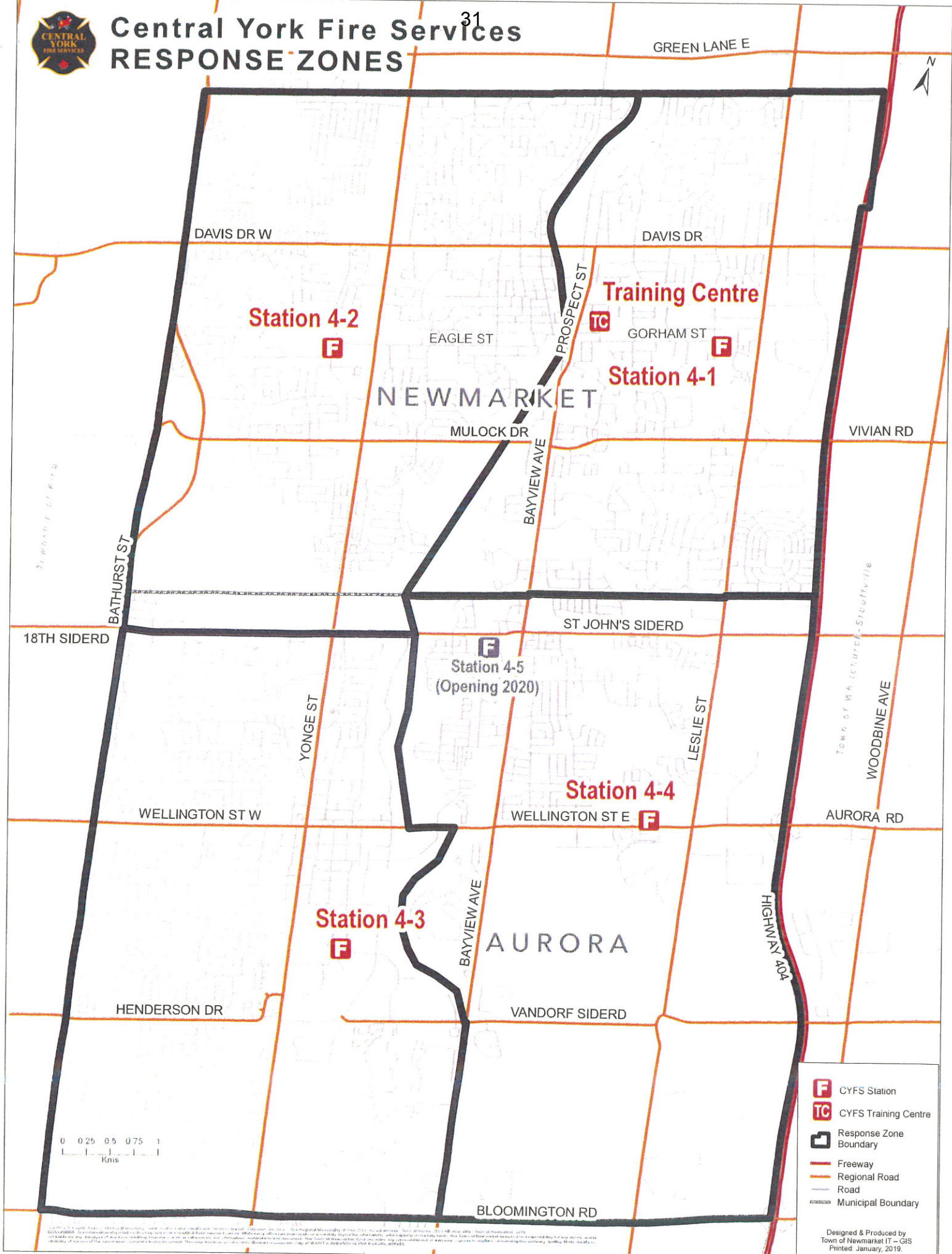


Rocco Volpe, Deputy Chief
Central York Fire Services



Central York Fire Services RESPONSE ZONES

31



- F** CYFS Station
- TC** CYFS Training Centre
- Response Zone Boundary**
- Freeway**
- Regional Road**
- Road**
- Municipal Boundary**

Designed & Produced by
Town of Newmarket IT - GIS
Printed: January, 2019.



CENTRAL YORK FIRE SERVICES

January 22, 2019

CENTRAL YORK FIRE SERVICES REPORT

To: Joint Council Committee
Origin: Central York Fire Services - Deputy Chief Rocco Volpe
Subject: Fleet Information Report

RECOMMENDATIONS

That Central York Fire Services Report dated January 22, 2019, Fleet Information Report be received for information purposes.

COMMENTS

This report is presented to the Joint Council Committee (JCC) to provide information on the current Central York Fire Services (CYFS) heavy fire fleet.

BACKGROUND

The history of CYFS dates back to January 2002, when Aurora and Newmarket Fire Departments consolidated. Since its inception, CYFS has been equipped with firefighting equipment and apparatus that are required to respond to the various firefighting challenges of the day. CYFS has a heavy fleet inventory that has grown over time as the communities have grown.

For the purpose of this report, the heavy fleet refers to large custom fire apparatus that respond to emergency incidents. The current CYFS heavy fleet inventory consists of twelve fire apparatus, each serving a specific purpose to provide fire protection to the communities of Aurora and Newmarket. CYFS classifies the heavy fire apparatus fleet into three categories.

1. PRIMARY RESPONSE VEHICLES

As part of the CYFS heavy vehicle inventory, CYFS has a variety of vehicles which consist of Fire Engines, Aerial's, Tanker and Hazardous Materials. Located strategically throughout the four CYFS fire stations, the following fire apparatus are located in such a manner to provide optimum response for the residents of Aurora and Newmarket.

Fire Engines serve as a basic response vehicle for most emergency incidents. Engines carry hose, minimal supply of water, which is used as the initial attack prior to hooking into a fire hydrant, medical equipment, tools and firefighting equipment. Each of the four fire stations is equipped with a Fire Engine. Station 4-4 primary vehicle is a 55' Aerial.

Aerial Ladders / Platforms are specialized apparatus that have the ability to reach high stories in taller structures for fire extinguishment or patient rescue. Three out of the four CYFS fire stations have an Aerial device.

2. RESERVE VEHICLES

The reason for a reserve fleet is when primary vehicles are in for routine service and repairs (NFPA 1901 – Minimum Standard for Fire Apparatus).

In 2018, with the assistance of the Town of Newmarket Finance Department, CYFS completed an Asset Management Program Report. The report established and outlined a replacement cycle program for heavy fire apparatus. As per National Fire Protection Association (NFPA), all primary (front run) fire apparatus are to be replaced after 15 years. Once replaced, the apparatus is used as a reserve apparatus for an additional five years after which time they are removed from service and sold at auction for market value. Total service life expectancy is twenty years. In addition, reserve vehicles are utilized when call back is initiated.

3. SPECIALIZED VEHICLES

Tankers serve as a water shuttle in the outlying rural areas and highways that are not served by municipal water supply and hydrants. Tankers carry a large amount of water and have a pump on board to allow for minor fire extinguishment such as vehicle fires and grass fires. Tanker 444 is strategically located at Station 4-4 where the fire apparatus and fire crew respond to the rural areas of Aurora and Newmarket that do not have fire hydrants. Additionally, Tanker 444 responds to the Town of Whitchurch-Stouffville to areas specified in our Fire Protection Agreement.

Hazardous Materials vehicle carries specialized equipment such as Level A protective hazmat suits, decontamination tent, spill containment supplies and specialized air monitoring instruments to respond to hazardous materials incidents. H438 is located at Station 4-3.

CURRENT CYFS HEAVY FLEET INVENTORY

PRIMARY VEHICLES	FLEET #	CYFS ID	YEAR
ALF Eagle, Engine	06 14	E421	2006
Spartan, Smeal - 32M (Aerial)	12 07	A436	2012
Spartan, Crimson - Engine	12 08	E411	2012
Spartan, Smeal - 32M (Platform)	13 17	PL427	2013
Spartan, ERV - Engine	14 08	E431	2014
Spartan, Smeal - 17M (Aerial)	17 11	A446	2017
RESERVE VEHICLES	FLEET #	CYFS ID	YEAR
E-One, Superior - Engine	97 02	E442	1997
Freightliner, FL80 - Engine	99 21	E422	1999
ALF Eagle - Engine	06 15	E412	2006
Spartan, Smeal	10 09	E441	2010
SPECIALIZED VEHICLES	FLEET #	CYFS ID	YEAR
Freightliner, FL80 (Haz-Mat)	98 05	H438	1998
Spartan, Smeal - Tanker	12 09	T444	2012

In March of 2019, CYFS will be receiving two new Fire Engines to replace the following:

- E-One, Superior – 1997 (22 years of service)
- Freightliner, FL80 – 1999 (20 years of service)

These two Engines will become primary response vehicles and the two oldest primary vehicles will move into back-up status.

Through the 2017 budget process, CYFS was approved funding to purchase a new Fire Engine for the planned anticipated Fire Station 4-5 (June 2020). The RFP process will take place in early 2019 with the expectation to have delivery of the engine in March 2020, before the opening of Fire Station 4-5. Once CYFS takes possession of the new Engine, this will bring CYFS heavy fleet inventory to 13 and active fire crews to seven per platoon.

MAINTENANCE

In partnership with the Town of Newmarket, CYFS works in collaboration with Fleet Services through a Service Level Agreement. The agreement addresses the roles and responsibilities of both parties. Staff meet weekly to review work orders and issues that arise within the heavy fleet inventory. In addition, planning of scheduled maintenance of apparatus is discussed to ensure all CYFS vehicles comply with provincial legislation and the NFPA Standard 1901.

Over the past several years, CYFS has worked to standardize the fleet specifications. Fleet standardization is key for both CYFS and Fleet Services. Standardization of vehicle chassis offers many benefits such as maintenance servicing, operational benefits, ease of both mechanical and firefighting training, streamlined parts and fluids inventories and driver safety.

FINANCIAL IMPACT

There is no financial impact related to this report.

The table below provides a three-year financial analysis on the actual costs of each heavy apparatus. The main drivers are parts, labour, insurance and fuel.

Heavy Vehicle Type	# of Vehicles	2018		2017		2016	
		Total Cost	Avg. Cost / Km	Total Cost	Avg. Cost / Km	Total Cost	Avg. Cost / Km
Primary	6	\$ 301,640	\$ 3.10	\$ 269,692	\$ 3.13	\$ 205,544	\$ 2.45
Back Up	4	\$ 100,632	\$ 4.10	\$ 139,745	\$ 3.95	\$ 64,593	\$ 1.84
Specialized	2	\$ 18,959	\$ 1.82	\$ 20,843	\$ 4.33	\$ 15,314	\$ 4.56
Total	12	\$ 421,231	\$ 3.18	\$ 430,281	\$ 3.41	\$ 285,451	\$ 2.33

CONSULTATION

The senior Fire Management Team were consulted in the preparation of this report.

IMPACT ON THE MASTER FIRE PLAN

This report is in line with the CYFS Master Fire Plan and the Town of Newmarket Asset Management Program.

CONTACT

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