



## Report

**Subject:** Aerial Fire Truck - Request for Additional 2024/25 Funds

**Department:** Corporate Services

**Division:** Orangeville Fire

**Report #:** CMS-2023-013

**Meeting Date:** 2023-05-15

### Recommendations

That report CMS-2023-013, Aerial Fire Truck Request, be received.

And that Council approve the shortfall of \$535,632 from the following funding sources:

RF – Fire Fleet	\$ 100,000
RF – Police Fleet	\$ 185,000
RF – General Capital	<u>\$ 250,632</u>
Total shortfall	<u>\$ 535,632</u>

And that Council approve the reallocation of The Police Fleet Reserve Fund in the amount of \$185,000 towards the Orangeville Fire Aerial Truck

And that Council approve the 2024 and 2025 amounts, previously approved in principle through the 2023 Budget process, of \$700,000 from the following funding sources:

DC RF – Fire	\$ 200,000
External Financing	<u>\$ 500,000</u>
Total funding to be approved	<u>\$ 700,000</u>

### Background and Analysis

Through the 2023 Capital budget, Council approved the replacement of the 2002 Pierce 105-foot aerial fire truck. An aerial fire truck is a specialized vehicle that provides fire personnel with a mobile elevation platform to perform fire and rescue operations. It's imperative this vehicle be replaced to maintain public and firefighter safety, uphold

adequate firefighting capabilities, and sustain The Town of Orangeville's Fire Underwriters Survey rating.

Purchasing fire apparatus has changed over the years, due to price increases, material lead time delays, delivery forecasting, and the final delivery date. These issues have produced limitations and interruptions to the supply chain. These uncontrollable limitations have impacted Fire Service planning, and procurement. The Aerial Replacement project was initially moved forward due to a 36-month delivery schedule from date of Purchase Order. In the past, purchasers would have seen typical delivery times for such an apparatus in the neighbourhood of 14 to 18 months.

Orangeville Fire's Apparatus Committee evaluated the current and future needs of The Town of Orangeville and our Municipal Partners to determine the design of a sustainable fire apparatus. Staff are recommending that a 100ft aerial platform built by Pierce Manufacturing, shown in Figure 1, be that future aerial device of Orangeville Fire Services.

Figure 1: 100-foot Aerial Fire Truck



Orangeville Fire utilized Canoe/Sourcewell, a group procurement organization to maximize discount opportunities through existing contracts. They were instrumental in sourcing an aerial truck however, the cost is much higher than anticipated. Staff worked with the Town's procurement Legal Counsel, LMX, to review and assess the financial quote received from Peirce Manufacturing. This quote is valid until May 24, 2023 at which point, if the Town purchases the truck, the price is locked in and will not increase.

An aerial truck provides the following assurances when in an emergency:

**Health and Safety:**

- Stable elevated work platform to operate from for extended periods of time in an ergonomic position.
- Building construction, materials and building systems often hamper firefighting efforts. For example, a house built with light weight construction, steel roof with solar panels increases the dangers to firefighting operations.
- It provides a safer way to remove occupants and firefighters from elevated areas.
- Firefighters in the bucket will have direct control over the operations of the aerial.
- Lower ride height creates a more stable and comfortable ride. It will also lessen the chance of overhead obstruction collisions.
- Vehicle has the least amount of tail swing, less than all comparators, which will lessen the chance of hitting obstructions turning into tight spaces.

**Fire / Rescue Operations:**

- Firefighters can flow up to 2000 gallons per minute, which is twice as much water as our previous aerial.
- Bucket is designed for use in technical rescues and patient removal from elevated areas.
- Design of the vehicle is better tactically for various fire operations: for example, a Broadway fire - this vehicle can operate at a mere 20 ft setback with the ability to operate at minus 20 degrees elevation.

**Other important Benefits:**

- Replacement of current aerial helps sustain The Town of Orangeville's Fire Underwriters Survey Rating.
- Recommend aerial device will fit into present day fire station without effecting current fleet. Unit has an overall length of 41ft 5 inches.

Therefore, Staff are recommending Council approve additional funding, to be allocated over the next two years, to purchase the Fire aerial truck. Funding details and available sources are outlined in the Financial Impact section.

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**Strategic Alignment****Strategic Plan**

Strategic Goal: Community Vitality

Objective: Support, citizen, and staff health, security, and wellbeing. Continue efforts to enhance community safety.

### **Sustainable Neighbourhood Action Plan**

Theme: Corporate Fiscal

Strategy: Create and integrate sustainable principles in the Town's processes and practices.

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### **Notice Provisions**

None.

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### **Financial Impact**

During the 2023 budget deliberations, Council approved total expenditures of \$2,100,000 and the related funding. \$1,400,000 was approved in 2023, and \$500,000 and \$200,000 was approved in 2024 and 2025, respectively, in principle. Allocation of funding is as follows:

	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>Total</b>
<i>Expenditures</i>	<b>1,400,000</b>	<b>500,000</b>	<b>200,000</b>	<b>2,100,000</b>
<i>Funding</i>				
RF - Fire Fleet	800,000			<b>800,000</b>
RF - General Capital	600,000			<b>600,000</b>
DC RF - Fire			150,000	<b>150,000</b>
External Financing		500,000	50,000	<b>550,000</b>
	<b>1,400,000</b>	<b>500,000</b>	<b>200,000</b>	<b>2,100,000</b>

As per the quotation received from Canoe/Sourcwell, the total equipment cost will be \$2,710,920 + HST. With the non-refundable portion of HST, the total cost will be \$2,758,632. Should staff pay a deposit of \$1,400,000 (amount approved in 2023), the Town would be eligible for a \$123,000 discount, bringing the total cost down to \$2,635,632. This leaves a shortfall in available funding of \$535,632. It is recommended that Council approve the 2024 and 2025 funding outlined above, plus the shortfall of \$535,632 from the following funding sources:

RF – Fire Fleet	\$ 100,000
RF – Police Fleet*	\$ 185,000
RF – General Capital	<u>\$ 250,632</u>
Total shortfall	\$ 535,632
Funding approved in principle	<u>\$ 700,000</u>
Total funding to be approved	\$1,235,632

\*The Police Fleet Reserve Fund has a balance of approximately \$185,000. In the past, this was used towards vehicles under the Orangeville Police Service (OPS). With the disbandment of the OPS in 2020, and the related sale of Police Vehicles, this Reserve Fund is no longer required. It is recommended that funds be directed to the remaining protection service, Orangeville Fire, to offset costs of the aerial truck.

In summary, the recommendation from Staff is that Council approve the additional funding of \$1,235,632 as outlined above. \$1,400,000 will be spent in 2023 with the remaining, \$1,235,632 to be paid upon delivery of the equipment.

Respectfully submitted

Reviewed by

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**Attachment(s):**

None.