



**Town of Sudbury  
Capital Improvement Budget Request  
FY2018 Form A**

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| <b>Department/Committee:</b><br>Sudbury Fire Department      |
| <b>Item/Project Name:</b><br>Ladder/Pumper Truck Replacement |

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|---|---|---|
| <b>Initial Year of Request:</b><br>FY 17  | <b>Estimated Total Project Cost:</b><br>995,000 | <b>Estimated Future Savings:<sup>1</sup></b><br>N/A |
| <b>Estimated Incremental Costs:<sup>2</sup></b><br>N/A  | <b>Staffing Changes:<sup>3</sup></b><br>N/A     |   |
| <b>Justification Code</b> A   | <b>R or NR:</b> R                               | <b>Priority</b> 1                                   |
| <b>Project Description: Replace 1999 Ladder/Pumper Truck</b>  |   |   |
| <b>Justification and Need:</b> Ladder 1 is a first line piece of apparatus that serves as a ladder truck and fire pumper responding from Fire Headquarters. By the time a new ladder truck is delivered, the existing ladder truck will be 19 years old. The typical replacement cycle for our first line fire apparatus is 15 years.   |   |   |
| <b>Benefit:</b> Increased reliability of our emergency fleet. Fire apparatus is normally used as first line for 15 years and the existing ladder truck will be 19 years old by the time a replacement is delivered. In addition, the ladder on our truck is 75 feet long. With present and anticipated development, we are looking to increase safety for both firefighters and residents with a 103 foot ladder. |   |   |
| <b>Last time this was replaced (i.e., year roof was previously replaced or year vehicle):</b> 1999  |   | <b>Typical Replacement Cycle:</b> 15 years          |
| <b>Alternatives Considered/Reasons for Rejecting Alternatives:</b> The 1999 ladder will be 4 years beyond the typical replacement life when the new apparatus would be delivered. Alternative is keeping the 1999 truck in service which includes questions of reliability, increased maintenance and repair costs, and concerns of working conditions in emergencies for fire personnel on the aerial ladder.    |   |   |
| <b>Consequences of Not Implementing/Delaying Implementation:</b><br>Delayed response to fire and medical calls, and/or closing a fire station due to unreliable and aging apparatus. Additional risk for personnel and residents during emergency aerial ladder operations.   |   |   |
| <b>Other Pertinent Background Information (e.g., Quotes, Brochures, Pictures, etc):</b> The accompanying picture shows the reach comparison between a 75 and 107 foot stick. To be clear, we will be specifying a 103 foot stick.   |   |   |

<sup>1</sup> Quantify any future savings if project is implemented (e.g., personnel costs, maintenance, repairs, energy conservation, etc.)

<sup>2</sup> Quantify any incremental costs anticipated if project is implemented (e.g., future personnel costs, maintenance, repairs, etc.)

<sup>3</sup> Quantify staffing changes (up or down) anticipated if project is implemented.