## Town of Harvard Capital Request Form Fiscal Years 2023 – 2027

Request/Project:	Town Share of replacing Tower Truck	Amount: \$	<u>900,000</u>
Fiscal Year:	<u>FY2023</u>		
Requestor:	Fire Chief Rick Sicard	Dept: <u>Fire D</u>	Department
General Description of Project and Benefit to Town: Replacement of the Fire Departments 42 year old Tower Truck.			
1. Is this a: $\blacksquare$	Replacement	am 🗆 Study	7
<ul> <li>2. Why is the Project being requested?</li> <li>Emergency or protection of public safety</li> <li>Efficiency/Cost Savings</li> <li>Other (note &amp; explain below)</li> <li>Please explain why it fits into above category:</li> <li>This vehicle provides the ability for firefighters to work from an elevated platform significantly more safely, faster and with less effort than using ground ladders.</li> </ul>			
3. Please explain how this project is consistent with the Town's priorities (for example. helps achieve a Select Board goal, project need revealed by Town survey, consistent with Master Plan, or other). This vehicle will be built to most current National Fire Protection Association (NFPA) which will provide great safety to the firefighters using this vehicle. The vehicle will also be more fuel efficient and produce far less harmful exhaust gases than our current vehicle.			
<ul> <li>4. Is this project eligible for a grant or other alternative non-tax revenue funding? If so, what is the grant source, amount potentially available and the application timing? If no, then why not? <i>Yes, and we were awarded \$761,904.76 towards the purchase of this vehicle through the Assistance to Firefighters Grant (AFG). We need to accept or decline this grant by October 3, 2021 but can apply for a waiver to delay our decision until after Town vote on November 2, 2021.</i></li> </ul>			
5. If this is a cost savings show assumptions, savings, and payback (either ROI or years): The award from AFG is for the purchase of a quint aerial truck which is a truck that is an aerial truck that has a pump on it. This means that we would be getting a truck that is two in one. Because of this, Engine 1's would be used a lot less which would allow us to be able to push out the replacement of this truck by 6 years. The other cost savings is that AFG grant is paying for 50% of this vehicle.			

6. How will the cost savings be measured and reported? *The cost savings will be measured by the need for funding for the replacement of the engine by 6 years.* 

7. If this is a replacement, can the current asset be repaired? What would the cost and life of the repair be? Why is it advantageous to replace?

The AFG Grant program is clear that the apparatus that is being replaced has to be replaced with a brand new apparatus and the old apparatus has to be decommissioned. The program does not allow for any repairing, re-chassis or any other altering of the existing apparatus.

8. Will on-going annual budgets increase or decrease if this project is approved? Consider anticipated annual maintenance or other expenses required by this project: (eg – maintenance contract price, software upgrades if applicable, etc)

*The on-going budget is projected to remain the same. (eg – annual certification of aerial, ground ladders, pump, etc...)* 

- 9. Environmental Considerations:
  - Describe any potential environmental impacts or considerations associated with this project. The new vehicle will be equipped with Selective Catalytic Reduction system. It designed to reduce exhaust pollutants by up to 90 percent. It will also come with a diesel particulate filter that catches all of the black carbon from a diesel engine and eliminates it. In short, much cleaner emissions. Lastly the vehicle will be more fuel efficient.
  - What choices were made about seeking ways to reduce environmental impacts (e.g. alternative designs, locations, sharing resources etc.)?
  - Describe any energy efficiency or green energy options you considered. What are their advantages and disadvantages?
- 10. What is the basis for the amount you are requesting? Include a quote or estimate and the source. Since this award has just been awarded, we have not been able to get a written estimate yet. The amount requested is based on phone conversations with salesmen from manufacturers giving us an estimate of how much more money we will need to build this vehicle. We are continuing to work with these manufactures to try to get a more solidified number for your consideration.

11. If approved, how many of the Town's residents will this project regularly serve:

• Project will be used intermittently or serve less than 25% of residents.

Please include your calculations and assumptions.

Any and all residents of the Town are a potential recipient of the use of this vehicle during an emergency. It has also been used to assist several other departments with unique projects in which they needed an elevating platform to perform their task. (e.g. painting of the WW I flag pole, removal of dangerous branches around town, repair of town flag poles to name a few)

12. Detailed Project Description: include major elements, overall measurements, precise location of where project will be located and pictures, if available. (for current year requests only) *Currently working on the detailed spec of the vehicle.*