

**Capital Improvement Plan
Fiscal Year 2015-2016 through 2019-2020
Project Description**

I. Requesting Department: Fire and Rescue

II. Project Title: Fire Station 21 Quick Response Utility Vehicle

III. Project Description:

Obtain a quick response/utility vehicle designated for Fire Station 21.

IV. Project Justification: (What need is being met, how does this project addresses the need?)

Fire Station 21 does not have a designated utility vehicle for service calls and emergencies to off road locations that a fire engine is not able to respond. For some years the National Park Service brush truck served as a utility vehicle, but after the termination of the federal firefighting contract, it was returned to the NPS. There is a need for a reliable utility vehicle capable of towing boats/jet skis and transporting equipment, supplies, and firefighters within and out of town. This proposed vehicle would accommodate travel/training needs, and also transport the necessary equipment needed for our fire ground support team. Acquisition of a dual purpose, quick response utility vehicle would reduce the accumulative road miles and fuel costs sustained by a fire engine, thereby preserving the expensive mechanics of major fire apparatus. This is the second year this CIP proposal is submitted for BOC consideration.

V. What Board Goals Does This Project Meet?

- Fiscally Responsible
- Clean/Green Environment
- Supportive Infrastructure
- Livable Neighborhoods
- Choose an item.
- Choose an item.

VI. Project Location: (Attach a map if applicable)

Fire Station 21

VII. Department Priority: (Choose One) Does the requested project:

- | | | |
|--|---|-----------------------------|
| a. Correct an unsatisfactory level of service? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| b. Maintain a current level of service? | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| c. Increase a level of service? | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| d. Represent a "vision"? | Yes <input type="checkbox"/> | No <input type="checkbox"/> |

VIII. Departmental Rank: (Prioritize your request in relation to other departmental project request)

1 of **2**

IX. Project Alternatives:

Locate a suitable 4x4 utility vehicle currently in the Town fleet that would be reliable for off road emergency response. Share the Fire Station 16 utility vehicle, or re-purpose a surplus town vehicle for utility purposes.

X. Project Dependency:

This project is dependent on funding provided in the Capital Improvement budget, unless alternative sources for this vehicle emerge.

XI. Negative Impacts:

For a new vehicle, the cost of initial purchase and regular maintenance. If a used vehicle is located, the cost of maintenance, painting/stripping, and installation of emergency lights and siren.

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XII. Other Considerations:

State of North Carolina contract vehicle acquisition contract availability and competitive bidding will likely provide a reasonable cost estimate for this basic vehicle.

XIII. Additional Funding Sources:

Are there grants or additional funds which might be used in conjunction with the CIP to fund this project:

Yes

No

If YES, describe:

In 2012, the fire department was approved to receive a federal surplus 4x4 utility vehicle through the NC Forestry Federal Acquisition Program. Unfortunately, these vehicles are in high demand and selection priority is first given to NC Forestry. Should a suitable vehicle become available in the future, the fire department would accept and utilize the vehicle for its intended purpose.

XIV. ESTIMATED COSTS

a. Capital/ One Time Costs	Description of Capital/One Time Costs	Cost (Round to Nearest \$)
	Extended Cab 4x4 Pickup Truck, 800 MHz Radio, Light Bar and Siren	\$ 35,000
	TOTAL Capital (One Time Costs)	\$ 35,000
b. Continuing Annual Operating Costs	Description of Continuing Annual Operating Costs	
	Annual Maintenance	\$ 500
	Annual Insurance	500
	Fuel	1,000
	TOTAL Continuing Annual Operating Costs	\$ 2,000

XV. Fiscal Year Requested:

FY 2015-2016

Priority Recommendation: (By CIP Committee)

**Capital Improvement Plan
Fiscal Year 2015-2016 through 2019-2020
Project Description**

I. Requesting Department: Fire and Rescue

II. Project Title: Portable Fire Extinguisher Training Tool

III. Project Description:

Nags Head Fire and Rescue provides excellent community fire and life safety education, supporting a safe and livable environment. This project recommends funding to acquire a portable live fire extinguisher training tool for public fire prevention education. When citizens are trained properly, fire extinguishers provide a safe method for extinguishing small fires, as opposed to allowing an incipient fire to develop into a larger conflagration, potentially threatening life and property. Fortunately, fire extinguisher training equipment utilizing clean burning technologies and compressed air/water suppression agents now exist. This equipment is a valuable public fire prevention training tool, instructing citizens, firefighters, and Town employees how to employ proper fire suppression methods involving a trash can, stove-top, paint locker or electric motor. Using this tool, there is no added cost, respiratory hazards, or clean-up typically associated with using dry-chemical or carbon dioxide extinguishers that are typically used for training.

IV. Project Justification: (What need is being met, how does this project address the need?)

Firefighters currently use a low tech burn pan and combustible fuel accelerant to provide fire extinguisher training. The current process is less controlled, weather dependent, expensive, and exposes users/trainers/property to hazards from burning materials and products of combustion. Suitable outdoor space for live burn training is limited to open areas, and the programs often require the trainees to travel to the Fire Department to complete the extinguisher training. Carbon dioxide and dry chemical extinguishers both release chemicals into the environment every time we instruct. Using in-service fire extinguishers is realistic, however requires potentially life/property saving equipment to be taken out of service. We then incur the expense of recharging extinguishers after every training session. Requests for public fire extinguisher training are increasing, and the fire extinguisher simulation during the annual Nags Head Fire Prevention Youth Night is a popular attraction with hundreds taking part in this educational exercise. In the previous fiscal year, the fire department instructed 77 individuals in fire extinguisher use, and anticipates increased marketing of this program if we can acquire the proper training tools. In closing, this project will help provide effective and immediate emergency response to mitigate hazards, prevent fatalities, injuries, and property loss, while enhancing our public fire prevention outreach programming. This in turn will enable citizens, businesses and governmental employees to use fire extinguishers safely and effectively.

V. What Board Goals Does This Project Meet?

- Business Friendly
- Supportive Infrastructure
- Clean/Green Environment
- Livable Neighborhoods
- Choose an item.
- Choose an item.

VI. Project Location: (Attach a map if applicable)

Nags Head Fire and Rescue

VII. Department Priority: (Choose One) Does the requested project:

- | | | |
|--|---|-----------------------------|
| a. Correct an unsatisfactory level of service? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| b. Maintain a current level of service? | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| c. Increase a level of service? | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| d. Represent a "vision"? | Yes <input type="checkbox"/> | No <input type="checkbox"/> |

VIII. Departmental Rank: (Prioritize your request in relation to other departmental project request)

2 of **2**

IX. Project Alternatives:

**CAPITAL IMPROVEMENT PROGRAM
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Continue fire extinguisher training using current equipment.

X. Project Dependency:

Funding for project.

XI. Negative Impacts:

Cost of equipment, propane and annual maintenance.

XII. Other Considerations:

A request to apply for grant funding for this item was approved at the March 5, 2014 Board of Commissioners meeting. The aforementioned 2014 FEMA Fire Prevention and Safety Grant was not funded, but if future opportunities arise, application for funding will be submitted to the appropriate agency. The College of the Albemarle owns a fire extinguisher simulator, however it is difficult to obtain and utilizes less effective LED technology.

XIII. Additional Funding Sources:

Are there grants or additional funds which might be used in conjunction with the CIP to fund this project:

Yes No If YES, describe: FEMA Fire Prevention and Safety Grant – see XII.

XIV. ESTIMATED COSTS

a. Capital/ One Time Costs	Description of Capital/One Time Costs	Cost (Round to Nearest \$)
	Portable Live Fire Extinguisher Training Tool	\$ 11,500
	TOTAL Capital (One Time Costs)	\$ 11,500
b. Continuing Annual Operating Costs	Description of Continuing Annual Operating Costs	
	Propane and Annual Maintenance	\$ 300
	TOTAL Continuing Annual Operating Costs	\$ 300

XV. Fiscal Year Requested:

FY 2015-2016

Priority Recommendation: (By CIP Committee)