



NORTH HAMPTON FIRE & RESCUE

235 Atlantic Avenue
North Hampton, New Hampshire 03862
Business Phone: 603.964.5500 Fax: 603.964.7249
www.northhampton-nh.gov



FD Capital Reserve Account

Current – \$162,448.00

Estimated Yearly Increase - \$106,250.00

Estimate Fiscal Year Breakdown

- FY2015 - \$162,448.00
- FY2016 - \$268,698.00
 - \$10,398.00 – Hose Replacement
 - \$20,581.80 – Gear Replacement
 - \$10,000 – Forestry Truck
- FY2017 - \$333,968.20
 - \$500,000 – Ladder 1 Replacement
 - \$14,997 – Lucas 2 Compression System
- FY2018 – (\$74,778.80)
 - \$60,000 – Command Vehicle Replacement
- FY2019 – (\$28,528.80)
 - \$500,000.00 – Engine 2 Replacement
- FY2020 – (\$433,278.80)
- FY2021 – (\$327,028.80)

Vehicle	Year	Make	Description	Miles	Pump Hours	Fuel	Est. cost/Refurb cost	FY
Ambulance	2013	Ford F350	Ambulance	11,442	N/A	G	\$225000/NA	2022
Ladder	1984	E-One	Ladder	63,829	444	D	\$500000/NA	2018
Engine 2	1997	C States	Engine	35,512	4394	D	\$500000/NA	2020
Tanker 3	2003	International	Tanker	8,964	869	D	300000/\$100,000	2022
Forestry	1996	Ford	F150 w/ Skid	62,139	N/A	G	\$45000/\$10,000	2017
Command Vehicle	2007	Chevy	Tahoe	52,784	N/A	G	\$55000/NA	2019
Utility	2011	Chevy	HD2500	16,336	N/A	D	45000/NA	2023
Engine 1	2012	E-One	Engine	12,162	970	D	\$550000/\$100,000	2023

CAPITAL IMPROVEMENTS PROGRAM
Capital Project Worksheet and Submission Form

Department: **Fire & Rescue**

For the fiscal year FY: **2017**

Type of Project:
(place an "x" in one box)

- Primary effect of project is to:
- Replace or Repair existing facilities or equipment
 - Improve quality of existing facilities or equipment
 - Expand capacity of existing service level/facility
 - Provide new facility or service capacity

Department Priority: **1** of **8** Priority Coding: **U** Urgent (U) Safety/Health (S) Preserve Asset (P)

Project Title **Hose replacement**

Project Description:
The Fire Rescue Department would like to purchase new wet pack fire hose to replace older cotton jacketed hose.

Narrative Justification:
New wet pack hose will allow the Department to come into compliance with NFPA standards which require hose older than 1987 to be replaced. Currently the hose needing replacement was put in service from 1975 through 1982 and is out of compliance. The Fire Department hose tower has been deemed unsafe by the NH Department of Labor and has been taken out of service. This leaves the only method of drying hose to flake it out on the apparatus bay floor which is inefficient and causes trip hazards. Wet pack hose does not require being hung in a tower for drying and is repacked on the apparatus while still wet. This alleviates the need for large amounts of back-up hose kept in stock on the hose rack in the bay. I have applied for a grant for up to \$5000 for this project and will be notified in the fall of 2015.

Cost Estimates:	<u>Capital Costs</u>	Check	<u>Impact on Staffing, Operations & Maintenance</u>
		<small>if apply</small>	
Project Cost for year	\$ 10,398.00	<input type="checkbox"/>	Increased O & M Costs \$
Total Project Cost (if multi-year)	\$	<input type="checkbox"/>	Increased Personnel Cos \$
		<input type="checkbox"/>	Decreased O & M Costs \$
		<input type="checkbox"/>	Reduce Personnel Costs \$

Sources of Funding:

Grant - Source	
61-4215-10-740	
Grant Amount	\$
Capital Reserve Fund	\$ 10,398
Lease/Purchase Agreement	\$
Special Revenue Fund	\$
User /Impact Fees & Charges	\$
Revolving Fund	\$
Special Assessment	\$
Current Revenue	\$
General Obligation Bond	\$
General Fund Balance	\$
Other	\$
Total funding needed:	10,398.00

Form Prepared By:
Michael J. Tully
(Name)
Fire Chief
(Title)
Fire & Rescue
(Department/agency)
29-Jun-15
Date Prepared



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Hose Replacement

- Total cost for hose replacement including reserve is \$10,398.00
- Replacement will bring department in compliance with NFPA standards
- A \$5000.00 grant has been applied for (see attached) in order to offset cost
- Can be purchased out of FD Capital Reserve Account



North Hampton
FIRE & RESCUE

235 ATLANTIC AVENUE
NORTH HAMPTON, N.H. 03862

To: Deputy Chief Michael Tully
From: Lt. Peter Francis
Re: Hose Replacement Pricing

TEL: (603) 984-5500
FAX: (603) 984-7249
EMERGENCY: 911

Here are the prices and break down of hose needs to replace the old cotton jacket hose with wet pack hose.

The advantage of replacing the cotton jacket hose with wet pack hose allows us to repack the hose right back onto the apparatus. In the past with the cotton jacket hose it was required that we hang and allow the hose to fully dry before being placed back into service. With the wet pack hose the department can now repack the hose back onto the truck while the hose is still wet, this also allows the department to reduce their reserve inventory of spare hose.

Ladder 1 – Currently Ladder 1 has a 100' length of 3" of Cotton Jacket Hose. This should be replaced with a 100' length of Wet Pack Hose.

Engine 1 – The Blitz Fire is currently attached to a 200' – 2 ½" line. This does not give the Blitz Fire the proper Volume of water. The proper hose line would be a 3" line, 200'. This line should be replaced with a 200' length of 3" Wet Pack Hose.

Engine 2 – Engine 2 currently has 650' of 2 ½" Cotton Jacket Hose. This should be replaced with 650 feet of 2 ½" Wet Pack Hose. It also has a dead load of 200' of 1 ¾" Cotton Jacket Hose. This too should be replaced with 200 feet of 1 ¾" Wet Pack Hose.

Tank 3 – Tank 3 currently has 650' of 2 ½" Cotton Jacket Hose. This should be replaced with 650 feet of 2 ½" wet Pack Hose. It too has 200 feet of 1 ¾" Cotton Jacket Hose which should be replaced with 200 feet of Wet Pack Hose.

Short Shots – We currently have 6 Short Shots of 2 ½" Cotton Jacket Hose which are 25 feet in length, which we use for hydrant connections. These should be replaced with Wet Pack Hose.

Short Shots for Pre-Connects – We have 5 short shots of 1 ¾" hoses that are Cotton Jacketed and they are 10 feet long. They make the connection from the engine to the attack line. These 5 short shots also should be changed out to Wet Pack.

Currently the total of Cotton Jacketed Hose on all the apparatus is as followed:

2 ½" Hose – Total – 1,550 feet
1 ¾" Hose - Total - 800 feet
3" Hose - Total - 300 feet

"Quality Service for a Quality Community"

We should also have at least 400 feet in reserve for both 1 3/4" hose and 2 1/2" hose in case of a failure or fire lose in a building fire.

Pricing for Wet Pack Hose

Total 3" hose \$1,349.00

3" hose – 100' - \$395.00

3" hose – (4) – 50'lengths @ \$238.50 \$238.50 * 4 = \$954.00

Total 2 1/2" hose \$4,025.00

2 1/2" hose - @ \$175.00 per 50' lengths

1,150 feet needed, 23 lengths of hose @ \$175.00

Total 1 3/4" hose \$1,600.00

1 3/4" hose - @ \$135.00 per 50' lengths

400 feet needed, 4 lengths of hose @ \$135.00

Total 2 1/2" Short Shots \$594.00

2 1/2" Short Shots - @ \$99.00 per 25' lengths

150 feet needed. 6 lengths of 25 feet each @ \$99,00

Total 1 3/4" Short Shots \$350.00

1 3/4" Short Shots - @ \$70.00 per 10' lengths

50 feet needed. 5 lengths of 10 feet each @ \$70.00

Total - Hose Rack – 2 1/2" - \$1,400

2 1/2" hose for Hose Rack - @ \$175.00 per 50' lengths

\$400 feet needed. 8 lengths @ \$175.00

Total - Hose Rack – 1 3/4" hose - \$1,080

1 3/4" hose for Hose Rack - @ 135.00 per 50' lengths

400 feet needed. 8 lengths @ 135.00

The complete total to replace the Cotton Jacket Hose with Wet Pack Hose is as followed:

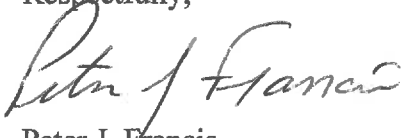
2 ½" Hose - \$6,019.00

1 ¾" Hose - \$3,030.00

3" Hose - \$1,349.00

Total - \$10,398.00

Respectfully,

A handwritten signature in cursive script that reads "Peter J. Francis". The signature is written in black ink and is positioned above the printed name and title.

Peter J. Francis
Lieutenant

Peter Francis

From: Willie Burk [willie@hsefiresafety.com]
Sent: Thursday, May 07, 2015 11:38 AM
To: Peter Francis
Subject: Hose pricing

Lt.,

Again, thank you for the opportunity. Find below pricing on all the items we discussed:

2- 100' length Mercedes Textiles 3" MTF5-800-DP Permatek color treated w/2.5" NH couplings
price \$395.00/ea

1- 50' length Mercedes Textiles 3" MTF5-800-DP Permatek color treated w/2.5" NH couplings
price:\$238.50/ea

1- 50' length Mercedes Textiles 2.5" MTF5-800-DP Permatek color treated w/2.5" NH couplings
price:\$175.00/ea

6- 25' length Mercedes Textiles 2.5" MTF5-800-DP Permatek color treated w/2.5" NH couplings
price: \$99.00/ea

1- 50' length Mercedes Textiles 1.75" MTF5-800-DP Permatek color treated w/1.5" NPSH
couplings price: \$135.00/ea

5- 10' length Mercedes Textiles 1.75" MTF5-800-DP Permatek color treated w/1.5" NPSH
couplings price: \$70.00/ea as long as they are all the same color.

Please note that the hose has a 10year warranty against defects and workmanship. It also has
a lifetime warranty against liner delamination.

Stenciling is provided at no additional charge!

In order to save on freight, we will include this hose on a larger order that will be
delivered to our South Portland warehouse and will deliver from there.

If you have any questions, do not hesitate to contact me. Have a safe week!

Willie

Willie Burk
Harrison Shrader Enterprises
13 Westminster Street
Lewiston, Me. 04106
Cell:207-317-6968
Office:207-272-9914

***NEW EMAIL ADDRESS willie@hsefiresafety.com ***NEW WEBSITE.

http://cp.mcafee.com/d/2DRPoOrhophKyPssCrKr7fc8K8LcCNPP2bz2apIsYMyUyYMrhKyy-C-OqenzqPItxq10l2IpAOogDm1u1fydj9K5oP9AMxeI2Y2v4qCjrJD7y33X_nVNOX3dNTnKnjhsV5BNdNVMtORQr8FGTd7b7axVZichs3jq9J4TvAXTLuZXTKrKrasjFXIE_jnvCmVsSoAuvbMkjFXIE_jnvCmVsSCYYyr2Zquq85EOJa14SyCr88WD



Harrison Shrader Enterprises
159 Cash Street, South Portland, ME 04106
(207) 767-2151 fax (207) 767-2717
www.hsegould.com

NFPA Releases New Hose Standard

The NFPA recently revised its standard on fire hose. The newest edition requires that **hose manufactured BEFORE JULY 1987** be **REMOVED** from service. This is due to the many changes in materials and hose technology over the past 25 years.

The 2013 standard (NFPA 1962, Care, Use, Inspection, Service Testing, and Replacement of Fire Hose, Couplings, Nozzles, and Fire Hose Appliances), includes for the first time **"REPLACEMENT"** in the title and now covers formal replacement of hose and couplings.

"Too often, departments will get a new pumper and take the 20-year old hose off their rig and put it on the new one," said Jim Glatts, a member of the NFPA committee on fire hose. "Hose has changed significantly in that time with higher pressures and better products."

The Good News!! Mercedes Textiles Now Offers The BEST Hose Warranty !!

It's called (The 2, 10, L Warranty)

First 2 years: ALL Hazards Warranty

First 10 years: Any Defects are covered

Lifetime Warranty of Mertex Liner!!!!!!!!!!

FREE Stenciling! Quantity Discounts! Ask HSE for a quote TODAY!



North Hampton
FIRE & RESCUE

235 ATLANTIC AVENUE
NORTH HAMPTON, N.H. 03862

Michael J. Tully
CHIEF OF DEPARTMENT

TEL: (603) 964-5500
FAX: (603) 964-7249
EMERGENCY: 911

Date June 4, 2015

To Georgia-Pacific Foundation,

Organization name: North Hampton Fire & Rescue

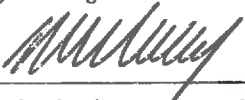
Organization federal tax id #: 02-6000656

Organization address: 235 Atlantic Ave. North Hampton NH, 03862

We confirm that we are operating under the local, state or federal government entity of:

Town Of North Hampton NH
(name of local, state, federal government entity)

located at 231 Atlantic Ave
(address of local, state, federal government entity)

Signature 
(Authorized Representative)

Name (print) Michael J. Tully

Title Chief of Department

Phone: (603)-964-5500

Email: mtully@northhampton-nh.gov

"Quality Service for a Quality Community"

Please read the application to the end prior to completion.

TO BE FILLED OUT BY GEORGIA-PACIFIC FACILITY

FIRE DEPARTMENT NOMINATED _____ of _____

GP FACILITY NAME

GP BUSINESS NAME

 BP

 PKG

 NACP

FACILITY SIZE CATEGORY (Select One Only)

Small: less than 400 employees

Small facilities only - grants up to \$5,000 will be funded totally by GP Foundation

Large: more than 400 employees

Large facilities only - grants up to \$10,000

Mill manager must agree to match GP Foundation Grant (half paid by Foundation / half paid by Facility) and provide Charge Code.

GP Charge Code: _____ - _____ - _____ - _____

GP CONTACT NAME

PHONE NUMBER

()

TITLE

**DO NOT SUBMIT WITHOUT FACILITY MANAGER APPROVAL
 Signature required for consideration**

FACILITY MANAGER SIGNATURE

PRINT NAME

DATE

TO BE FILLED OUT BY FIRE DEPARTMENT

UNIT INFORMATION

VOLUNTEER UNIT? (Select One Only)
 (Will not impact judging - for our records only)

 Yes

 No

FIREFIGHTING UNIT CONTACT FIRST AND LAST NAME

Michael J. Tully

DAYTIME PHONE NUMBER
 Must be reachable Mon. - Fri.

(603) 964-5500

ADDRESS

235 Atlantic Ave

CITY

North Hampton

STATE

NH USA

ZIP OR POSTAL CODE

03862

EMAIL

mtully@northhampton-nh.gov

Please attach a copy of your December 2014 W9 form. Older W9 versions will not be considered.
 In the event your fire department is not selected for a grant, the W9 will be destroyed.

501(c)(3) Status

These questions are for GP internal use only, and will not affect your eligibility for a grant.

IS YOUR UNIT A GOVERNMENT OR NON-GOVERNMENT ENTITY?
 (Select One Only)

Government

Non-Government

IF NON-GOVERNMENT, HAS YOUR DEPARTMENT APPLIED FOR 501(c)(3) STATUS? IF YES, PLEASE ATTACH A COPY OF YOUR CURRENT 501 (c)(3) LETTER.

Yes

No

PLEASE PROVIDE AN ADDRESS TO MAIL GRANT FUNDS SHOULD YOUR FIRE DEPARTMENT BE SELECTED:

ADDRESS TO SEND FUNDS *X* indicates same as Address above

DAYTIME PHONE NUMBER

X indicates same as telephone number above

()

CITY

STATE

ZIP OR POSTAL CODE

EMAIL

DESCRIPTION OF NEED (No more than 300 words - attach sheets as needed)

WHAT MATERIALS ARE BEING REQUESTED?

The North Hampton Fire & Rescue would like to purchase new wet pack fire hose. The department has been working over time to replace all out of date hose with new wet pack hose in order to come into compliance with NFPA standards which require hose older than 1987 to be replaced. Currently the hose needing replacement was put in service from 1975 through 1982 and is out of compliance. With this grant our goal can be realized this budget year.

HOW WILL THE GRANT PROVIDE FOR BASIC NECESSITIES OF FIREFIGHTING THAT WILL MATERIALLY IMPROVE THE EFFECTIVENESS OF THE UNIT AND/OR THE SAFETY OF THE FIREFIGHTERS, COMMUNITY, ETC.?

Fire hose is a basic necessity. Older hose fails at a higher rate causing a greater fire loss as well as potential injuries to firefighters. In addition wet pack hose alleviates the downtime of the equipment by allowing the hose to be repacked directly on the truck at the scene allowing companies to return to service quicker in order to respond to additional emergencies within the community. Recently the NH Department of Labor inspected the Fire department's hose tower and determined it to be unsafe. In lieu of this, the Hose tower is out of service. The only alternative to dry hose in to lay it out flat on the apparatus floor until dry. This process takes approximately 2 weeks. Water sits in the hose as it dries and further deteriorates the inner lining causing a greater chance of failure during an emergency. Serviceable hose will allow the department to better protect the community.

WHAT IS THE ESTIMATED COST? (Itemize if appropriate)

See attached itemization.

COMMUNITY INVOLVEMENT (No more than 100 words - attach sheets as needed)

IN WHAT WAYS HAS THE UNIT SERVED THE COMMUNITY? (Working with schools and/or local organizations, etc.)

We offer CPR and First Aid training, fire prevention classes, station tours for children and civic organizations, free blood pressure/sugar screenings, and fire extinguisher classes. Fire extinguisher training uses a live fire prop and is taught free of charge to any business requesting.

HOW LONG HAS THE UNIT BEEN IN OPERATION?

100 years

ABOUT HOW MANY PEOPLE/HOUSEHOLDS DOES IT SERVE?

4900 Residents

WHAT PERCENTAGE OF YOUR CALL VOLUME IS FIRE RELATED, AND WHAT PERCENTAGE IS EMS RELATED?

Fire calls make up 40% of our call volume, while Medical Emergencies account for the other 60%.

SPECIAL CONSIDERATIONS

ARE GP EMPLOYEES MEMBERS OF YOUR VOLUNTEER FIREFIGHTING TEAM UNIT? (Select One Only)

Yes No

IF YES, PROVIDE NAMES

Eric Clouthier

OTHER INFORMATION THAT WILL ADD TO THE JUDGES' UNDERSTANDING OF THE FIREFIGHTERS' NEEDS (Not more than 100 words--attach additional information, if necessary or desired.)

The Town has had a new fire station voted down for 2 years in a row. With the current station in disrepair and the subsequent closure of the hose tower there is no immediate solution in sight. I am bringing hose replacement forward to the Capital Improvement Plan Committee in July 2015. With matching funds from a Georgia Pacific grant I am confident that we can replace all outdated hose, allowing us to better protect our firefighters and the community.

Application Submission Instructions:

Type information in the blue areas of the form. Save document and email to address provided below. If you need to fill out the application by hand, first select File > Save As, name the file and print. Fill out with pen and send to email below.

Photographs, renderings or drawings may be attached. All materials submitted become the property of Georgia-Pacific LLC.

Firefighting units must process applications through their local GP facility contact.

Application Checklist:

- W-9 Form - *December 2014*
- 501(c)(3) - *if applicable*
- GP Facility Manager approval signature

Applications due by July 10, 2015

Send any questions or applications to:
gpbucketbrigade@gapac.com

The purpose of the Bucket Brigade Grant Program is to serve the fire departments in our communities.
Not sure if there is a Georgia-Pacific facility near you? Click on the link below and select your state on the map:

[GEORGIA-PACIFIC LOCATIONS](#)

Hose Needs Itemization

Ladder 1 – Currently Ladder 1 has a 100’ length of 3” of Cotton Jacket Hose. This should be replaced with a 100’ length of Wet Pack Hose.

Engine 1 – The Blitz Fire is currently attached to a 200’ – 2 ½” line. This does not give the Blitz Fire the proper Volume of water. The proper hose line would be a 3” line, 200’. This line should be replaced with a 200’ length of 3” Wet Pack Hose.

Engine 2 – Engine 2 currently has 650’ of 2 ½” Cotton Jacket Hose. This should be replaced with 650 feet of 2 ½” Wet Pack Hose. It also has a dead load of 200’ of 1 ¾” Cotton Jacket Hose. This too should be replaced with 200 feet of 1 ¾” Wet Pack Hose.

Tank 3 – Tank 3 currently has 650’ of 2 ½” Cotton Jacket Hose. This should be replaced with 650 feet of 2 ½” wet Pack Hose. It too has 200 feet of 1 ¾” Cotton Jacket Hose which should be replaced with 200 feet of Wet Pack Hose.

Short Shots – We currently have 6 Short Shots of 2 ½” Cotton Jacket Hose which are 25 feet in length, which we use for hydrant connections. These should be replaced with Wet Pack Hose.

Short Shots for Pre-Connects – We have 5 short shots of 1 ¾” hoses that are Cotton Jacketed and they are 10 feet long. They make the connection from the engine to the attack line. These 5 short shots also should be changed out to Wet Pack.

Currently the total of Cotton Jacketed Hose on all the apparatus is as followed:

2 ½” Hose – Total – 1,550 feet

1 ¾” Hose - Total - 800 feet

3” Hose - Total - 300 feet

We should also have at least 400 feet in reserve for both 1 ¾” hose and 2 ½” hose in case of a failure or fire loss in a building fire.

Pricing for Wet Pack Hose

Total 3” hose \$1,349.00

3” hose – 100’ - \$395.00

3” hose – (4) – 50’ lengths @ \$238.50 \$238.50 * 4 = \$954.00

Total 2 ½" hose \$4,025.00

2 ½" hose - @ \$175.00 per 50' lengths
1,150 feet needed, 23 lengths of hose @ \$175.00

Total 1 ¾" hose \$1,600.00

1 ¾" hose - @ \$135.00 per 50' lengths
400 feet needed, 4 lengths of hose @ \$135.00

Total 2 ½" Short Shots \$594.00

2 ½" Short Shots - @ \$99.00 per 25' lengths
150 feet needed. 6 lengths of 25 feet each @ \$99.00

Total 1 ¾" Short Shots \$350.00

1 ¾" Short Shots - @ \$70.00 per 10' lengths
50 feet needed. 5 lengths of 10 feet each @ \$70.00

Total - Hose Rack - 2 ½" - \$1,400

2 ½" hose for Hose Rack - @ \$175.00 per 50' lengths
\$400 feet needed. 8 lengths @ \$175.00

Total - Hose Rack - 1 ¾" hose - \$1,080

1 ¾" hose for Hose Rack - @ 135.00 per 50' lengths
400 feet needed. 8 lengths @ 135.00

The complete total to replace the Cotton Jacket Hose with Wet Pack Hose is as followed:

2 ½" Hose - \$6,019.00

1 ¾" Hose - \$3,030.00

3" Hose - \$1,349.00

Total - \$10,398.00

CAPITAL IMPROVEMENTS PROGRAM
Capital Project Worksheet and Submission Form

Department: **Fire & Rescue**

For the fiscal year FY: **2017**

Type of Project:
(place an "x" in one box)

- Primary effect of project is to:
- Replace or Repair existing facilities or equipment
 - Improve quality of existing facilities or equipment
 - Expand capacity of existing service level/facility
 - Provide new facility or service capacity

Department Priority: **2** of **8** Priority Coding: **U** Urgent (U) Safety/Health (S) Preserve Asset (P)

Project Title **Fire Gear Replacement**

Project Description:
The Fire & Rescue Department would like to purchase a new fire gear for it's employees.

Narrative Justification:
Each fulltime employee is issued 2 sets of bunker gear and each call member 1 set. Two sets are required due to the wait time for replacement gear in the event replacement is necessary due to damage(6 weeks) and also, so that employees can wash their gear after an incident and still have an in service set to respond to emergencies with. Recommended replacement for bunker gear is every 5 to 10 years. In North Hampton we have adopted a 10 year schedule for gear replacement. By taking care of and repairing gear we are able to increase the usable life to the 10 year mark. Currently the department needs to replace 7 sets of back up gear and by 2017 that number will be 12 sets. The cost of a set of bunker gear is \$1715.15/set. The total cost to replace 12 sets of gear is \$20,581.80. In order to avoid a large up front cost I suggest ongoing funding in the budget yearly for \$5145.45. This will allow gear to be replaced on a rotation and spread the cost out over a longer period of time.

Cost Estimates:	Capital Costs	Check <u>Impact on Staffing, Operations & Maintenance</u>	
		if apply	
Project Cost for year	\$ 20,581.80	<input type="checkbox"/>	Increased O & M Costs \$
Total Project Cost (if multi-year)	\$ 20,581.80	<input type="checkbox"/>	increased Personnel Cos \$
		<input type="checkbox"/>	Decreased O & M Costs \$
		<input type="checkbox"/>	Reduce Personnel Costs \$

Sources of Funding:
Grant - Source
61-4215-10-740

Grant Amount	\$	
Capital Reserve Fund	\$	20,581.80
Lease/Purchase Agreement	\$	
Special Revenue Fund	\$	
User /Impact Fees & Charges	\$	
Revolving Fund	\$	
Special Assessment	\$	
Current Revenue	\$	
General Obligation Bond	\$	
General Fund Balance	\$	
Other	\$	
Total funding needed:		20,581.80

Form Prepared By:
Michael J. Tully
(Name)
Fire Chief
(Title)
Fire & Rescue
(Department/agency)
15-Jun-15
Date Prepared



NORTH HAMPTON FIRE & RESCUE

235 Atlantic Avenue
North Hampton, New Hampshire 03862
Business Phone: 603.964.5500 Fax: 603.964.7249
www.northhampton-nh.gov



Fire Gear Replacement

- Total cost to replace all outdated bunker gear in year 2017 is \$20,581.80
- Each set of gear currently costs \$1715.15 per set of pants and coat
- Each employee is required to have 2 sets of gear
- Life span of bunker gear in North Hampton is maximum of 10 years
- A tiered approach is suggested with \$5145.45 included in the budget each year allowing 3 sets of turnout gear to be purchased each year. As an employee receives his new set, his primary gear is brought to back up status. This approach will allow gear to be replaced on a rotation and therefore spread out the cost over a longer period of time.



North Hampton
FIRE & RESCUE

235 ATLANTIC AVENUE
NORTH HAMPTON, N.H. 03862

Michael J. Tully
CHIEF OF DEPARTMENT

TEL: (603) 964-5500
FAX: (603) 964-7249
EMERGENCY: 911

To: Deputy Chief Michael Tully

From: Lieutenant Peter Francis

Re: Bunker Gear

I have taken inventory on everyone's Bunker Gear, both Primary and Secondary.

It is recommended by NFPA 1851, that a set of Bunker Gear should be replaced every 5 to 10 years depending on use and exposure.

It is my recommendation that this department should be able to extend its Bunker Gear life to the 10 year period. With that being said, there may be an incident or a time where we may have to replace a set of bunker gear prematurely.

Primary Bunker Gear:

Currently all the full time personnel have up to date Bunker Gear, meaning the bunker gear is within the 10 years old limitations.

We have 1 personnel who had been issued new Bunker Gear in 2012

We have 9 personnel who had been issued new Bunker Gear in 2013

We have 1 personnel who had been issued new Bunker Gear in 2014

We have 2 personnel who had been issued new Bunker Gear in 2015

We do have an issue with the Bunker Gear of one of our Call Firefighters. Firefighter Clouthier's Bunker Gear has a Manufacture date of 2001, making his gear 14 years old. This needs immediate attention.

"Quality Service for a Quality Community"

Secondary Bunker Gear:

Every full time personnel have a second set of Bunker Gear. Reasons being after a fire or an incident were the gear should be washed or dried before wearing again; the personnel will have a clean, dry replaceable set of Bunker Gear to put on.

We currently have 6 firefighters with Bunker Gear 10 years old or older. Next year we will be adding two more firefighters to that list of expired bunker gear.

As per our conversation in the past. I greatly recommend your idea of getting on a replacement schedule to avoid having to endure a large extraordinary expense. By replacing two or three sets of Bunker Gear a year it would be less of an impact on the budget.

A new set of bunker gear currently prices out at:

Bunker Coat - \$984.84

Bunker Pants – \$717.81

Total- \$1,715.15 per set

Respectfully,

A handwritten signature in black ink, appearing to read "Peter J. Francis". The signature is written in a cursive, flowing style.

Peter J. Francis

Lieutenant



NORTH HAMPTON FIRE & RESCUE

235 Atlantic Avenue
North Hampton, New Hampshire 03862
Business Phone: 603.964.5500 Fax: 603.964.7249
www.northhampton-nh.gov



*Primary Set of Bunker gear
Date of manufacture*

RUN NUMBER: _____

LOCATION: _____

DATE: _____

BOX NUMBER: _____

TIME OF ALARM: _____

TIME ALL OUT: _____

2013 TULLY, MICHAEL 944-5217

2001 CLOUTHIER, ERIC 964-4571

2012 FRANCIS, PETER 944-7133

2001 SHERIDAN, STEVE 531-7700

2013 HENRY, STEVE 234-3623

2004 CHASE, JASON 918-9343

2013 LAJOIE, JASON 926-4317

2013 GRAY, SHEAN 502-6249

2013 TAVITIAN, MARTIN 234-2316

2013 PARENT, JEREMY 520-6490

2013 JURTA, JAMES 545-1929

2013 PUGLISI, ANGELO 531-3427

2013 TABER, WILL 918-6739

2014 GREENE, MATT 591-5391

2015 MORIN, MIKE 793-2392

2015 CHEVALIER, COLIN 686-3671



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*Secondary Bunkers Gear
Date of manufacture*

RUN NUMBER: _____

LOCATION: _____

DATE: _____

BOX NUMBER: _____

TIME OF ALARM: _____

TIME ALL OUT: _____

2004 TULLY, MICHAEL 944-5217

NIA CLOUTHIER, ERIC 964-4571

2005 FRANCIS, PETER 944-7133

NIA SHERIDAN, STEVE 531-7700

2004 HENRY, STEVE 234-3623

NIA CHASE, JASON 918-9343

2006 LAJOIE, JASON 926-4317

2006 GRAY, SHEAN 502-6249

2007 TAVITIAN, MARTIN 234-2316

2007 PARENT, JEREMY 520-6490

2005 JURTA, JAMES 545-1929

2010 PUGLISI, ANGELO 531-3427

2007 TABER, WILL 918-6739

2004 GREENE, MATT 591-5391

2005 MORIN, MIKE 793-2392

2003 CHEVALIER, COLIN 686-3671



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Life Expectancy for Protective Clothing

As the NFPA Technical Committee on firefighters protective clothing worked through the year 2008 revision of NFPA 1851, *Standard on Selection, Care, and Maintenance of Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting*, one of the most debated issues continued to be "What is the life expectancy of protective clothing?" Although the committee was not able to reach complete agreement on the answer to this question, there was consensus that structural ensemble elements must be retired ten years after the date of manufacture, and that proximity outer shells must be retired five years after the date of manufacture. However, the Annex does contain language explaining that this does not mean all ensemble elements will last or should remain in service for the full five or ten years – just that five year old proximity outer shells and ten year old structural gear must be retired. The standard provides additional criteria for inspection and retirement as well.

Having explained the mandatory requirements found in NFPA 1851, it is fairly well understood in the industry that the average life of a structural turnout suit is three to five years, and that proximity outer shells become worn out even sooner than that. It is important to remember, however, that average means some garments have lasted much longer and other garments not as long. Some segments of the fire service have even suggested that since the NFPA clothing standard is revised every five years, then five years should be the maximum time to leave garments in service. While this would ensure that as technology improves, garments would automatically be upgraded to meet new requirements and offer new levels of safety, it could leave the false impression that anything less than five years old is still perfectly compliant.

The reality is that the life span of any protective clothing is entirely dependent upon the type and amount of field use to which each separate garment has been exposed. Contributing factors to this include frequency of maintenance, storage conditions, exposures, and other issues that are beyond the garment manufacturer or material supplier's control. Facilities that specialize in care and cleaning will advise that they have seen clothing that is much older than five years and still in excellent shape; likewise, however, they have seen instances where the first time a garment was worn it was exposed to circumstances that totally destroyed the clothing. Since the purpose of firefighters clothing is to protect the wearer, if the gear has saved a life or prevented serious injury just once, then it has done its job.

It is also important to remember that protective clothing is a component system, not a single layer, and each component needs to be evaluated in its own right, with each layer routinely inspected for continued serviceability. For example, we have evaluated garments wherein the outer shell appears visually to be in excellent condition; however, closer inspection of the thermal liner and moisture barrier will reveal rips or tears that would not be obvious in a cursory examination. Discoloration to any layer of the protective ensemble may be an indication that the garment is no longer able to provide the same level of protection as when it was new. Any discoloration should be carefully inspected.

The bottom line, regardless of when the clothing was produced, is that the safety officer or authority having jurisdiction must routinely perform an advanced inspection on all protective ensemble elements in order to assure that they are clean, maintained, and still safe. Just knowing the age of the gear cannot do that.



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North Hampton Fire & Rescue Suggested Gear Replacement schedule

Employee	Primary	Backup	Proposed year 1	Proposed year 2	Proposed year 3	Proposed year 4	Proposed year 5
Tully	2013	2004			X		
Francis	2012	2005		X			
Henry	2013	2004	X				
Lajoie	2013	2006			X		
Gray	2013	2006			X		
Tavitian	2013	2007				X	
Parent	2013	2007				X	
Jurta	2013	2005		X			
Puglisi	2013	2010					X
Taber	2013	2007				X	
Greene	2014	2004	X				
Morin	2015	2005		X			
Chevalier	2015	2003	X				
Clouthier	2001	N/A	FF Clouthiers gear replaced in FY2015 budget due for delivery in 8/2015				
Sheridan	2001	N/A	FF Sheridan is not interior qualified and gear is not a priority				
Chase	2004	N/A	FF Chase gear to be replaced with budget surplus FY2016				

Replacement Plan is for 3 sets of gear a year to be purchased inside the budget. Primary gear will be moved to backup gear for each employee and upon purchase expired gear will be removed from service. Additional funds not needed for current replacement can be used to purchase gear for additional call personnel added to the department roster.

CAPITAL IMPROVEMENTS PROGRAM
Capital Project Worksheet and Submission Form

Department: **Fire & Rescue** For the fiscal year FY: **2017**

Type of Project: (place an "x" in one box) Primary effect of project is to:
 Replace or Repair existing facilities or equipment
 Improve quality of existing facilities or equipment
 Expand capacity of existing service level/facility
 Provide new facility or service capacity

Department Priority: **3** of **8** Priority Coding: **S** Urgent (U) Safety/Health (S) Preserve Asset (P)

Project Title **SCBA Units**

Project Description:
The Fire & Rescue Department would like to replace the current SCBA Units

Narrative Justification:
The Current SCBA Units are 8 years old. A Warrant Article was approved by the voters in FY15 though an error was made in the amount of funding stated in order to complete the project. The price quoted to replace the units is actually in the approximate range of \$158,490.50. I am requesting that the monies be incumbered from the FY15 and FY16 warrant articles and that a third warrant article for the FY17 be introduced which will cover the cost of pack replacement.

Cost Estimates:	Capital Costs	Check if apply	Impact on Staffing, Operations & Maintenance
Project Cost for year	\$ 58,490.50	<input type="checkbox"/>	Increased O & M Costs \$
Total Project Cost (if multi-year)	\$ 153,000.00	<input type="checkbox"/>	increased Personnel Cos \$
		<input type="checkbox"/>	Decreased O & M Costs \$
		<input type="checkbox"/>	Reduce Personnel Costs \$

Sources of Funding:

Grant - Source	Grant Amount
Capital Reserve Fund	\$
Lease/Purchase Agreement	\$
Special Revenue Fund	\$
User /Impact Fees & Charges	\$
Revolving Fund	\$
Special Assessment	\$ 58,490.50
Current Revenue	\$
General Obligation Bond	\$
General Fund Balance	\$
Other	\$
Total funding needed:	58,490.50

Form Prepared By:
Michael J. Tully
 (Name)
Fire Chief
 (Title)
Fire & Rescue
 (Department/agency)
1-Jul-15
 Date Prepared



NORTH HAMPTON FIRE & RESCUE

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SCBA Units

- Total project cost is \$158,490.50
- SCBA replacement costs are commonly spread over a 2 year term
- An error was made in the projected cost to replace the current SCBA's
- Total project will include FY2015 Warrant Article (\$50,000), FY2016 Warrant Article(\$50,000), FY2017 Warrant Article (\$58,490.50, this amount adjusted for inflation)
- New SCBA will have a planned life expectancy of 10 to 12 years (2027 - 2029)

FIRE TECH & SAFETY OF NEW ENGLAND, INC.
 90 Progress Avenue
 Tyngsborough, MA 01879
 1-800-256-8700 Fax (978) 649-6833



Quote

Date	Quote #
1/30/2015	120

Name / Address
NORTH HAMPTON F.D.-NH 235 ATLANTIC AVE NORTH HAMPTON, NH 03862



Project	Terms	Rep
		CR

Qty	Description	Unit Price	Total
18	X3414021200302 SCOTT X3 AIR PAK WITH PASS, DUAL EBSS, SNAP CHANGE AND PAK TRACKER	5,350.00	96,300.00
36	SCOTT 4.5 30 MIN. CARBON CYLINDER	810.00	29,160.00
38	SCOTT AV3000 HT W/BACKET, MEDIUM	285.00	10,830.00
1	SCOTT RIT PAK 3 COMPLETE KIT, 4500 PSI	2,512.50	2,512.50
2	SCOTT-CARBON CYL.& VALVE 4500 60 MIN	1,162.50	2,325.00
38	SCOTT EPIC 3 VOICE AMPLIFIER	396.00	15,048.00
1	SCOTT NXG2 TOOL ADAPTER	470.00	470.00
1	SCOTT PAK-TRACKER HAND HELD RECEIVER TRUCK CHARGING SYSTEM	450.00	450.00
1	SCOTT PAK-TRACKER	1,395.00	1,395.00
CRAIG ROBICHAUD (603) 370-0422		Total	\$158,490.50

CAPITAL IMPROVEMENTS PROGRAM
Capital Project Worksheet and Submission Form

Department: **Fire & Rescue**

For the fiscal year FY: **2017**

Type of Project:
(place an "x" in one box)

- Primary effect of project is to:
- Replace or Repair existing facilities or equipment
 - Improve quality of existing facilities or equipment
 - Expand capacity of existing service level/facility
 - Provide new facility or service capacity

Department Priority: **4** of **8** Priority Coding: **S** Urgent (U) Safety/Health (S) Preserve Asset (P)

Project Title **Forestry Truck**

Project Description:

The Fire & Rescue Department would like to replace the Forestry Truck

Narrative Justification:

The forestry truck is used to extinguish brush fires and is of a smaller size that can often reach difficult locations. In the past the Fire Rescue Department has taken possession of the Highway Directors vehicle when it is replaced. Unfortunately the current Highway Directors truck will not be an option due to only having a 6 foot bed. The forestry is set up with a skid unit that can be removed and slid into any 8 ft. pickup bed. The current forestry is a 1996 Ford and is in need of body and engine work. Highway is proposing to replace a 2006 F550. It is our request that the truck be repurposed in the Fire Dept. and used as a forestry unit. The dump body can be removed and replaced with either a flat bed or a utility body that can house the forestry skid unit. A second option is the attached quote for body work to preserve the current forestry unit.

Cost Estimates:

Capital Costs

Check Impact on Staffing, Operations & Maintenance

Project Cost for year \$ **10,000.00**

Total Project Cost \$ **10,000.00**
(if multi-year)

if apply

<input type="checkbox"/>	Increased O & M Costs	\$	
<input type="checkbox"/>	increased Personnel Cos	\$	
<input type="checkbox"/>	Decreased O & M Costs	\$	
<input type="checkbox"/>	Reduce Personnel Costs	\$	

Sources of Funding:

Grant - Source

61-4215-10-741	
Grant Amount	\$
Capital Reserve Fund	\$ 10,000.00
Lease/Purchase Agreement	\$
Special Revenue Fund	\$
User /Impact Fees & Charges	\$
Revolving Fund	\$
Special Assessment	\$
Current Revenue	\$
General Obligation Bond	\$
General Fund Balance	\$
Other	\$
Total funding needed:	10,000.00

Form Prepared By:

Michael J. Tully
(Name)

Fire Chief
(Title)

Fire & Rescue
(Department/agency)

16-Jun-15
Date Prepared



NORTH HAMPTON FIRE & RESCUE

235 Atlantic Avenue
North Hampton, New Hampshire 03862
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www.northhampton-nh.gov



Forestry Truck Replacement

- Four options available
 - Run current forestry unit without repairs (not recommended)
 - Repair current forestry unit (see quote attached, not recommended)
 - Repurpose 2006 F550 highway vehicle as Forestry unit (\$10,000 recommended)
 - Purchase new Forestry truck (\$50,000, not recommended)
- Further planning should occur when purchasing new pick-up trucks using the thought of repurposing those vehicles at the end of their primary life span.

NO LAW REQUIRES YOU TO OBTAIN MORE THAN ONE ESTIMATE. YOU ARE NOT OBLIGATED TO USE ANY PARTICULAR FACILITY TO OBTAIN REPAIRS.

*** PRELIMINARY ESTIMATE ***

07/02/2015 04:19 PM

Owner

Owner: NORTH HAMPTON FIRE
Address:
City State Zip: NH

Work/Day: (603)964-5500
FAX:

Inspection

Inspection Date: 07/02/2015 04:23 PM

Inspection Type:

Appraiser Name: JASON BARKER

Appraiser License # :

Repairer

Repairer: WAYNE'S AUTO BODY
Address: 22 LAFAYETTE RD

Contact: JASON W BARKER
Work/Day: (603)964-6261
Home/Evening: (603)964-7289
FAX: (603)964-1192

City State Zip: NORTH HAMPTON, NH 03862
Email: info@waynes-autobody.com

Vehicle

1996 Ford F-250 Heavy Duty XL 2 DR Standard Cab Long Bed
8cyl Gasoline 5.8
4 Speed Automatic

Lic Expire:
Veh Insp# :
Condition:
Ext. Refinish: Two-Stage

VIN: 1FTHF26H6TEA78168
Mileage Type: Actual
Code: P8143F
Int. Refinish: Two-Stage

Options

4-Wheel Drive	AM Radio	Anti-Lock Rear Brakes
Auto Locking Hubs (4WD)	Auxiliary Fuel Tank	Intermittent Wipers
Power Brakes	Power Steering	Tinted Glass

Damages

Line	Op	Guide	MC	Description	MFR.Part No.	Price	ADJ%	B%	Hours	R
Front End Panel And Lamps										
1	RI	57		Door,Headlamp LT	R & I Assembly				0.4	SM
2	RI	58		Door,Headlamp RT	R & I Assembly				0.4	SM
Front Body And Windshield										
3	I	103		Fender,Front LT	Repair				6.0*	SM
4	L	103	13	Fender,Front LT	Refinish				3.7	RF

				2.6 Surface			
				0.6 Two-stage setup			
				0.5 Two-stage			
5	I	104	Fender,Front RT	Repair		4.0*	SM
6	L	104	Fender,Front RT	Refinish		2.9	RF
				2.4 Surface			
				0.5 Two-stage			
7	RI	132	Nameplate,Fender LT	R & I Assembly		0.2	SM
8	RI	133	Nameplate,Fender RT	R & I Assembly		0.2	SM
Cab And Components							
9	L	187	Panel,Rocker LT	Refinish		1.4	RF
				1.2 Surface			
				0.2 Two-stage			
10	I	188	Panel,Rocker RT	Repair		1.0*	SM
11	L	188	Panel,Rocker RT	Refinish		1.4	RF
				1.2 Surface			
				0.2 Two-stage			
12	I	274	Pnl,Cab Side Outer LT	Sublet Repair	\$29.33*	3.0*	SM
13	L	274	Pnl,Cab Side Outer LT	Refinish		1.7	RF
				1.4 Surface			
				0.3 Two-stage			
Bed							
14	I	428	Panel,Bedside RT	Repair		7.0*	SM
15	L	428	Panel,Bedside RT	Refinish		3.4	RF
				3.2 Surface			
				0.2 Two-stage			
16	E	443	# Decal,Bedside Panel RT	F2TZ9925622AE	\$29.47	0.3	SM
			# = 01, 02				
Rear Bumper							
17	N	585	Rear Bumper Assy R&I	Additional Labor		0.3	SM
Rear Body, Lamps And Floor Pan							
18	RI	534	Taillamp Assembly RT	R & I Assembly		0.2	SM
Manual Entries							
19	I		Color Sand And Buff	Repair		2.0*	SM
20	EC		Cover Car Exterior	Replace Economy	\$5.00*	0.3*	SM
21	I		Clean for Delivery	Repair		0.2*	SM
22	I		REMOVE DECALS	Repair		1.0*	SM*
22	Items						

MC Message

- 01 CALL DEALER FOR EXACT PART # / PRICE
- 02 PART NO. DISCONTINUED, CALL DEALER FOR EXACT PART NO.
- 13 INCLUDES 0.6 HOURS FIRST PANEL TWO-STAGE ALLOWANCE

Estimate Total & Entries

Gross Parts	\$29.47	
Other Parts	\$5.00	
Paint & Materials	\$435.00	
Parts & Material Total		\$469.47

Labor	Rate	Replace Hrs	Repair Hrs	Total Hrs	
Sheet Metal (SM)	\$48.00	2.0	24.5	26.5	\$1,272.00
Mech/Elec (ME)	\$55.00				

Frame (FR)	\$65.00				
Refinish (RF)	\$48.00	14.5	14.5	\$696.00	
Paint & Materials	\$30.00				
<hr/>					
Labor Total			41.0 Hours		\$1,968.00
Sublet Repairs				\$29.33	
Gross Total					\$2,466.80
Net Total					\$2,466.80

Alternate Parts No

Audatex Estimating 7.0.417 ES 07/02/2015 04:29 PM REL 7.0.417 DT 06/01/2015
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2.5 HRS WERE ADDED TO THIS ESTIMATE BASED ON AUDATEX'S TWO-STAGE REFINISH FORMULA. ESTIMATE CALCULATED USING THE 2.5 HOUR MAXIMUM ALLOWANCE FOR TWO-STAGE REFINISH OF NON-FLEX, EXTERIOR SURFACES.

LABOR CHARGES ARE NOT BASED ON A 60 MINUTE HOUR. DIFFICULTY OF OPERATION, EQUIPMENT USED, SKILL LEVEL OF TECHNICIANS, AND NUMBER OF TECHNICIANS REQUIRED ON A VEHICLE CAN AFFECT REPAIR TIMES.

THERE IS NO WARRANTY ON EXISTING RUST.

Op Codes

* = User-Entered Value	E = Replace OEM	NG = Replace NAGS
EC = Replace Economy	OE = Replace PXN OE Srpls	UE = Replace OE Surplus
ET = Partial Replace Labor	EP = Replace PXN	EU = Replace Recycled
TE = Partial Replace Price	PM = Replace PXN Reman/Rebit	UM = Replace Reman/Rebuilt
L = Refinish	PC = Replace PXN Reconditioned	UC = Replace Reconditioned
TT = Two-Tone	SB = Sublet Repair	N = Additional Labor
BR = Blend Refinish	I = Repair	IT = Partial Repair
CG = Chipguard	RI = R & I Assembly	P = Check
AA = Appearance Allowance	RP = Related Prior Damage	



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CAPITAL IMPROVEMENTS PROGRAM
Capital Project Worksheet and Submission Form

Department: **Fire & Rescue** For the fiscal year FY: **2018**

Type of Project: (place an "x" in one box)

Primary effect of project is to:

<input checked="" type="checkbox"/>	Replace or Repair existing facilities or equipment
<input type="checkbox"/>	Improve quality of existing facilities or equipment
<input type="checkbox"/>	Expand capacity of existing service level/facility
<input type="checkbox"/>	Provide new facility or service capacity

Department Priority: **5** of **8** Priority Coding: **S** Urgent (U) Safety/Health (S) Preserve Asset (P)

Project Title: **1994 E-One Ladder Truck**

Project Description:
The Fire & Rescue Department would like to replace the 1984 E-One Ladder Truck

Narrative Justification:
The Ladder truck is used by the department in several different capacities. The 1984 E-One is used to access windows and rooves during building fires and chimney fires. It is also used to access rooves during weather incidents. It carries supplies for venting rooves, preserving property after emergency incidents and due to it's length is used as a blocking vehicle at motor vehicle accidents. It was purchased by the town in 1997 and replaced a 1968 American LaFrance Ladder. A new Ladder truck should be considered after the building of a new fire station. Apparatus should not be purchased on whether or not it will fit in a fire station but rather how it's equipment will benefit the Town. Currently the Ladder truck does not have a pre-piped waterway due to a height issue with the current station. I would not recommend purchasing a ladder truck without this equipment again.

Cost Estimates:	Capital Costs	Check if apply	Impact on Staffing, Operations & Maintenance
Project Cost for year	\$ 500,000.00	<input type="checkbox"/>	Increased O & M Costs \$
Total Project Cost (if multi-year)	\$ 500,000.00	<input type="checkbox"/>	increased Personnel Cos \$
		<input type="checkbox"/>	Decreased O & M Costs \$
		<input type="checkbox"/>	Reduce Personnel Costs \$

Sources of Funding:

Grant - Source

61-4215-10-740

Grant Amount	\$	
Capital Reserve Fund	\$	
Lease/Purchase Agreement	\$	
Special Revenue Fund	\$	
User /Impact Fees & Charges	\$	
Revolving Fund	\$	
Special Assessment	\$	500,000.00
Current Revenue	\$	
General Obligation Bond	\$	
General Fund Balance	\$	
Other	\$	
Total funding needed:		500,000.00

Form Prepared By:

Michael J. Tully
(Name)

Fire Chief
(Title)

Fire & Rescue
(Department/agency)

1-Jul-15
Date Prepared



NORTH HAMPTON FIRE & RESCUE

235 Atlantic Avenue
North Hampton, New Hampshire 03862
Business Phone: 603.964.5500 Fax: 603.964.7249
www.northhampton-nh.gov



Ladder 1 Replacement

- Total project cost approx. \$500,000
- Financed through FD Capital Reserve Fund and Special assessment
- Ladder should not be replaced until a decision has been made on the fire station building. Apparatus should be purchased with benefits to the community in mind not purchased because it fits in a particular station.
- New ladder should have a pre-piped waterway (most will not fit in current station)
- Discussions on quint should be settled.

Michael Tully

From: Peter Francis
Sent: Wednesday, June 17, 2015 10:54 AM
To: Michael Tully
Subject: FW: North Hampton Lddr 1

From: Phil Phinney [mailto:phinney@greenwood-emergency.com]]
Sent: Monday, June 15, 2015 5:04 PM
To: Peter Francis
Subject: North Hampton Lddr 1

Chief,

Steve Henry called asking me the life cycle of the ladder and if could be used after the 30 year mark. After some research as long as the ladder keeps passing its annual aerial certification tests and the chief deems all aspects of the apparatus in safe working order the truck can be continued to be used. All maintenance/test records need to be maintained.

Please let me know if you need more info on this.

Thanks

Phil

Phillip Phinney
Service Manager
Greenwood Emergency Vehicles
19 Summer St
Brunswick ME 04011
Phone: 207-729-4738
FAX: 207-729-4737

CAPITAL IMPROVEMENTS PROGRAM
Capital Project Worksheet and Submission Form

Department: **Fire & Rescue**

For the fiscal year FY: **2020**

Type of Project:
(place an "x" in one box)

- Primary effect of project is to:
- Replace or Repair existing facilities or equipment
 - Improve quality of existing facilities or equipment
 - Expand capacity of existing service level/facility
 - Provide new facility or service capacity

Department Priority: **6** of **8** Priority Coding: **U** Urgent (U) Safety/Health (S) Preserve Asset (P)

Project Title **1997 Central States Engine**

Project Description:

The Fire & Rescue Department would like to replace the 1997 Central States Engine

Narrative Justification:

The 1997 Central States Engine was purchased brand new by the town in 1997. It was the first due engine until 2013 when Engine 1 was purchased. At that time it was refurbished and moved to the second due engine replacing the 1987 FMC (Engine 3). Engine 2 is used as a water supply piece feeding the primary engine and acts as a primary engine when Engine 1 is tied up on another run.

Cost Estimates:	<u>Capital Costs</u>	Check	<u>Impact on Staffing, Operations & Maintenance</u>
		if apply	
Project Cost for year	\$ 500,000.00	<input type="checkbox"/>	Increased O & M Costs \$
Total Project Cost (if multi-year)	\$ 500,000.00	<input type="checkbox"/>	increased Personnel Cos \$
		<input type="checkbox"/>	Decreased O & M Costs \$
		<input type="checkbox"/>	Reduce Personnel Costs \$

Sources of Funding:

Grant - Source

61-4215-10-740

Grant Amount	\$	
Capital Reserve Fund	\$	
Lease/Purchase Agreement	\$	
Special Revenue Fund	\$	
User /Impact Fees & Charges	\$	
Revolving Fund	\$	
Special Assessment	\$	500,000.00
Current Revenue	\$	
General Obligation Bond	\$	
General Fund Balance	\$	
Other	\$	
Total funding needed:		500,000.00

Form Prepared By:

Michael J. Tully
(Name)

Fire Chief
(Title)

Fire & Rescue
(Department/agency)

1-Jul-15
Date Prepared



NORTH HAMPTON FIRE & RESCUE

235 Atlantic Avenue
North Hampton, New Hampshire 03862
Business Phone: 603.964.5500 Fax: 603.964.7249
www.northhampton-nh.gov



Engine 2 Replacement

- Total project cost \$500,000.00
- Financed through FD Capital Reserve and special assessment
- General rule for engines is 10 years as primary and 10 years as secondary. E2 was refurbished in 2013 and may have a longer life span than 2020 though the refurbishment was not on all portions of the truck.
- Discussions on quint should be settled

CAPITAL IMPROVEMENTS PROGRAM
Capital Project Worksheet and Submission Form

Department: **Fire & Rescue**

For the fiscal year FY: **2019**

Type of Project:
(place an "x" in one box)

- Primary effect of project is to:
- Replace or Repair existing facilities or equipment
 - Improve quality of existing facilities or equipment
 - Expand capacity of existing service level/facility
 - Provide new facility or service capacity

Department Priority: **7** of **8** Priority Coding: **S** Urgent (U) Safety/Health (S) Preserve Asset (P)

Project Title **2007 Chevy Command Vehicle**

Project Description:
The Fire & Rescue Department would like to replace the 2007 Chevy Command Vehicle

Narrative Justification:
The 2007 Chevy Command Vehicle was purchased brand new in 2007 and replaced the 1996 Ford Explorer Command Vehicle. The command vehicle is used to assist the Fire Chief in commanding incidents. It has mobile radios as well as information the Fire Chief may need on the scene of an emergency. It is also used as transportation to educational classes and department related meetings.

Cost Estimates:	<u>Capital Costs</u>	Check	<u>Impact on Staffing, Operations & Maintenance</u>
		if apply	
Project Cost for year	\$ 60,000.00	<input type="checkbox"/>	Increased O & M Costs \$
Total Project Cost (if multi-year)	\$ 60,000.00	<input type="checkbox"/>	increased Personnel Cos \$
		<input type="checkbox"/>	Decreased O & M Costs \$
		<input type="checkbox"/>	Reduce Personnel Costs \$

Sources of Funding:

Grant - Source	
61-4215-10-740	
Grant Amount	\$
Capital Reserve Fund	\$ 60,000.00
Lease/Purchase Agreement	\$
Special Revenue Fund	\$
User /Impact Fees & Charges	\$
Revolving Fund	\$
Special Assessment	\$
Current Revenue	\$
General Obligation Bond	\$
General Fund Balance	\$
Other	\$
Total funding needed:	60,000.00

Form Prepared By:

Michael J. Tully
(Name)

Fire Chief
(Title)

Fire & Rescue
(Department/agency)

1-Jul-15
Date Prepared



NORTH HAMPTON FIRE & RESCUE

235 Atlantic Avenue
North Hampton, New Hampshire 03862
Business Phone: 603.964.5500 Fax: 603.964.7249
www.northhampton-nh.gov



Command Vehicle Replacement

- Project cost \$60,000
- Used as a mobile command unit at emergency incidents
- Expected life span expected to be slightly greater than previous command vehicle

CAPITAL IMPROVEMENTS PROGRAM
Capital Project Worksheet and Submission Form

Department: **Fire & Rescue**

For the fiscal year FY: **2018**

Type of Project:
(place an "x" in one box)

- Primary effect of project is to:
- Replace or Repair existing facilities or equipment
 - Improve quality of existing facilities or equipment
 - Expand capacity of existing service level/facility
 - Provide new facility or service capacity

Department Priority: **8** of **8** Priority Coding: **S** Urgent (U) Safety/Health (S) Preserve Asset (P)

Project Title **Lucas 2 Chest Compression System**

Project Description:

The Fire & Rescue Department would like to purchase a Lucas 2 Chest Compression System. This piece of equipment automates chest compressions during a cardiac arrest incident.

Narrative Justification:

During an emergency event manpower is always an issue. This piece of equipment performs chest compressions which allows personnel to better care for the patient by performing other critical skills like defibrillation, airway management and drug intervention. Quality chest compressions provide oxygenated blood to the cells, most importantly in the heart and brain. Keeping these cells alive until defibrillation can be used to correct electrical impulses in the heart is imperative. By automating this skill several positive changes result. Compressions are now standardized providing the correct amount of blood flow on each down stroke. As providers tire during compressions the depth of the compression changes. This will affect the outcome of the pt. even after defibrillation occurs. Additionally, by automating aspects of our job it leads to savings do to the additional costs associated with employees, for example injury liability, retirement and health insurance costs

Cost Estimates:

Capital Costs

Check Impact on Staffing, Operations & Maintenance

Project Cost for year \$ **14,997.00**

Total Project Cost \$ **14,997.00**
(if multi-year)

if apply

<input type="checkbox"/>	Increased O & M Costs	\$	
<input type="checkbox"/>	increased Personnel Cos	\$	
<input type="checkbox"/>	Decreased O & M Costs	\$	
<input checked="" type="checkbox"/>	Reduce Personnel Costs	\$	TBD

Sources of Funding:

Grant - Source

61-4215-10-740

Grant Amount	\$	
Capital Reserve Fund	\$	14,997
Lease/Purchase Agreement	\$	
Special Revenue Fund	\$	
User /Impact Fees & Charges	\$	
Revolving Fund	\$	
Special Assessment	\$	
Current Revenue	\$	
General Obligation Bond	\$	
General Fund Balance	\$	
Other	\$	

Total funding needed: 14,997.00

Form Prepared By:

Michael J. Tully
(Name)

Fire Chief
(Title)

Fire & Rescue
(Department/agency)

8-Jun-15
Date Prepared



NORTH HAMPTON FIRE & RESCUE

235 Atlantic Avenue

North Hampton, New Hampshire 03862

Business Phone: 603.964.5500 Fax: 603.964.7249

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Lucas 2 Chest Compression System

- Total project cost \$14,997.00
- Performs compressions during cardiac arrest which assists with manpower issues
- Better quality compressions leads to better save rates

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[Home](#) > [Defibrillators & AEDs](#) > [Chest Compression Systems](#) > **LUCAS 2 Chest Compression System**



Leading Available - [Click to Apply Now!](#)
Our Price: \$14,495.00

[Update Price](#)

Product Code: 99576-000127

Choose your options...

Accessories

- Back Plate Grip Tape - 3-Pack (11576-000053) [Add \$92.00]
- Additional Patient Straps - 3 Pack (11576-000051) [Add \$235.00]
- Additional Suction Cups - 3-Pack (11576-000046) [Add \$125.00]
- Additional Suction Cups 12-Pack (11576-000047) [Add \$445.00]
- 12V Car Cable (11576-000048) [Add \$115.00]

Additional Views:



[Add to Wish List](#)

Details

Now electrically powered, the life-saving medical device offers the most compact, lightweight and portable solution to maintain circulation in cardiac arrest patients.

The second generation LUCAS™2 builds upon the well-proven LUCAS™1 technology, with a change of driving source from pneumatic to electric. LUCAS™2 operates for 45 minutes on the latest battery technology (with no test-cycles or reconditioning required) and may also be connected to and operated from electrically wall outlets or car outlets. The battery is neatly integrated in the hood, making LUCAS™2 a lightweight and compact device to store and carry.

Features and Benefits

- 100 compressions per minute with a depth of 4-5 cm.
- 50/50 duty cycle, for compression and decompression.
- Complete chest recoil before next compression.
- Tireless – minimizing "no-flow" time.
- The same quality for all patients and over time, independent of transport conditions, rescuer fatigue, or variability in experience level of the caregiver.
- Can be applied within seconds and is designed to minimize interruptions of manual CPR during application.
- Frees up caregivers to focus on other life-saving tasks; ventilation, medication, defibrillation as well as decision making on continued care and therapy.
- Small and lightweight Back Plate facilitates application in confined spaces.
- Two compression modes; 30:2 mode or a continuous mode with ventilation alerts.
- Quieter operation than Lucas 1.
- Allows access to patient's chest to place defibrillation pads.
- Smart Restart function allows for an immediate resumption of compression after change of Battery as it remembers the patient settings during 60 seconds.



Videos

Survival Story



Inservice Video

Free Stethoscope!



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- Sleep Medicine
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- Urology
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Manufacturer



Demo



Materials Included

- LUCAS 2 Chest Compression System
- Carrying Case
- 2 Patient Straps
- 2 Stabilization Straps
- 3 Suction Cups
- 1 Rechargeable Battery

Technical Specifications

Chest Compressions

- Rate: 100 per minute
- Depth: 4-5 cm
- Equal compression/decompression duty cycle.
- Allows for full chest recoil.

Patients Eligible for Treatment

- Sternum height of 17-30.3 cm
- Maximum chest width of 44.9 cm
- Not restricted by patient weight.

Power Source and Operation

- Electrical operation with rechargeable Lithium Ion Polymer (LiPo) battery alone or together with External Power Supply.
 - 12-24V DC car outlet.
 - 100-240V, 50/60Hz AC wall outlet.
- Battery run time: 45 minutes (typical)
- Operating temperature: 0-40°C
- Battery recharge time in external charger: < 4 hours at room temperature
- Battery expected service life: 200 uses or 3 years
- Battery classification: IP44

Physical Characteristics

- Weight (including battery): 7.8kg
- Dimensions (H x W x D): 57 x 52 x 24 cm
- Dimensions in carrying bag (H x W x D): 65 x 33 x 25 cm

Documentation

- Procedure
- Cath Lab
- Instructions

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Currency Display:

US Dollar

Note: Default currency is US Dollar. All other currencies are for display purposes only. Exchange rates may vary. Displayed cost does not include customs fees.

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CAPITAL IMPROVEMENTS PROGRAM
Capital Project Worksheet and Submission Form

Department: **Public Safety/Campus Plan** For the fiscal year FY: **2017**

Type of Project: Primary effect of project is to:
(place an "x" in one box)

<input checked="" type="checkbox"/>	Replace or Repair existing facilities or equipment
<input checked="" type="checkbox"/>	Improve quality of existing facilities or equipment
<input checked="" type="checkbox"/>	Expand capacity of existing service level/facility
<input checked="" type="checkbox"/>	Provide new facility or service capacity

Department Priority: **1** of **1** Priority Coding: **U** Urgent (U) Safety/Health (S) Preserve Asset (P)

Project Title **Public Safety Building/Campus Planning**

Project Description:

This update on a Public Safety Facility is based on new planning by the Select Board and the Fifth Municipal Facilities Committee. As many are aware, last year's Warrant was based on the most recent plan to build a new Public Safety Facility at the corner of Alden Avenue and Atlantic Avenue, and to utilize the old police station and the current town offices for the new Town Office/Administration building. I am currently appointed by the Select Board to the Fifth Municipal Advisory Committee along with six residents from North Hampton. This committee is now charged by the Select Board to cost out any and all plans and ideas that came out of a previous Municipal Facilities Advisory Committee also known as the "Chauncey Committee". The actual plan for a combined Public Safety Facility will be decided by the recommendations of the Fifth Municipal Advisory Committee and the decisions of the Select Board.

Narrative Justification:

Current fire and police facilities are undersized and in need of serious replacement and renovation based on the 2007 MRI Studies on both departments and the Structural Assessments completed on the Fire Station by Foley, Buhl, Roberts and Associates. There have now been four previous committees that have reviewed the Mires Plans, the Warrenstreet Plan, the Bonnette Page and Stone Plan, and the Lavallee-Brensiger Plan that all include Public Safety Buildings along with Library and Town Administration Buildings. Although costs and procedure have been closely scrutinized in these plans, many agree that the facilities are in terrible condition, are undersized, and need to be addressed. I have used the cost estimate for just a Public Safety Building from last year within this CIP Request, in hopes that a closer cost will be available to all of us once the Fifth Municipal Advisory Committee completes their work.

Cost Estimates:	Capital Costs	Check if apply	Impact on Staffing, Operations & Maintenance	
Project Cost for year	\$ 3,750,000	<input type="checkbox"/>	Increased O & M Costs	\$
Total Project Cost (if multi-year)	\$ 3,750,000	<input checked="" type="checkbox"/>	increased Personnel Costs	\$
		<input type="checkbox"/>	Decreased O & M Costs	\$ TBD
		<input type="checkbox"/>	Reduce Personnel Costs	\$

Sources of Funding:

Grant - Source	Grant Amount
Capital Reserve Fund	\$
Lease/Purchase Agreement	\$
Special Revenue Fund	\$
User /Impact Fees & Charges	\$
Revolving Fund	\$
Special Assessment	\$
Current Revenue	\$
General Obligation Bond	\$ 3,750,000
General Fund Balance	\$
Other	\$
Total funding needed:	3,750,000.00

Form Prepared By:

Brian P. Page
(Name)

Director of Public Safety
(Title)

Fire and Police
(Department/agency)

7-Jul-15
Date Prepared