

FORM B - CAPITAL EQUIPMENT PURCHASE/LEASE THROUGH FY 15/16

Department: Fire
Division: Suppression
Purpose:
New

Type of Equipment: Fire Engine
Type of Acquisition: Purchase Lease
Number of Units: 1 Priority: 1
Total Estimated Expenditure: \$ 650,000.00

Expenditures by Year:

Funding Source:

FY
10/11 \$
11/12 \$ 650000
12/13 \$
13/14 \$
14/15 \$
15/16 \$

General Revenue

Replaces what piece of equipment:

Justification:

According to the NFPA, the fire department's suppression resources shall be deployed to provide for arrival of an engine company within a 4-minute response time 90% of the time. According to ISO and NFPA 1710, the city should have a first-due engine company within 1.5 miles to receive maximum credit. To maintain a 4-minute response time and ensure our engine companies receive maximum credit the City of New Bern needs to place a fire engine in the proposed fire station located on Hwy 17 South. (Time frame to spec and receive fire engine from manufacturer is approximately 12-15 months)

FORM B - CAPITAL EQUIPMENT PURCHASE/LEASE THROUGH FY 15/16

Department: Fire
Division: Suppression
Purpose:
Replacement

Type of Equipment: SCBA
Type of Acquisition: Purchase Lease
Number of Units: 5 Priority: 1
Total Estimated Expenditure: \$ 27,500.00

Expenditures by Year:

Funding Source:

FY
10/11 \$
11/12 \$
12/13 \$
13/14 \$
14/15 \$ 27,500
15/16 \$

General Revenue

Replaces what piece of equipment:

Older SCBA

Justification:

NFPA and OSHA standards specify minimum requirements for breathing air quality for emergency services organizations that provide personnel with respiratory protection devices. OSHA Standards were updated in 2009 and all new purchases must be compliant with the new standard. Parts and other items will become difficult as time passes. Recommend purchasing five (5) units per year as part of the five year capital plan. This will allow us to replace SCBA on all apparatus with compliant units. The replaced units can be used on lower response apparatus and for parts to keep packs efficient while phasing them out.

FORM B - CAPITAL EQUIPMENT PURCHASE/LEASE THROUGH FY 15/16

Department: Fire
Division: Suppression
Purpose:
Replacement

Type of Equipment: Thermal Imaging Camera
Type of Acquisition: Purchase Lease
Number of Units: 1 Priority: 1
Total Estimated Expenditure: \$ 17,000.00

Expenditures by Year:

Funding Source:

FY
10/11 \$ 17000
11/12 \$
12/13 \$
13/14 \$
14/15 \$
15/16 \$

General Revenue

Replaces what piece of equipment:

Older camera

Justification:

Thermal imaging cameras technology can help at any emergency incident in which normal visibility is reduced. This technology can assist firefighters with many aspect of their job. These can include size-up to identify the location of the fire from the exterior and develop a better plan for mitigation. The fire attack team can immediately direct water to the seat of the fire. Search and rescue crews can improve the chances of locating lost victims. We currently have two cameras over ten years old and effete. One is out of service and beyond repair and the other one will cost half the price of a new to repair.

FORM B - CAPITAL EQUIPMENT PURCHASE/LEASE THROUGH FY 15/16

Department: Fire

Type of Equipment: Extrication Equipment and Tools

Division: Suppression

Type of Acquisition: Purchase Lease

Purpose:

Number of Units: 1 Priority: 2

Replacement

Total Estimated Expenditure: \$ 21,000.00

Expenditures by Year:

Funding Source:

FY

General Revenue

10/11 \$

11/12 \$

12/13 \$ 21,000

Replaces what piece of equipment:

13/14 \$

14/15 \$

Older camera

15/16 \$

Justification:

Doctors and researchers emphasize the importance of the ‘Golden Hour’, which starts at the time of an accident and ends with the victims being cared for in the hospital. Firefighters have no margin for error, so they cannot afford to gamble on the reliability of their equipment. Extrication tools are needed to better allocate emergency medical resources according to need, for providing life saving care to those with serious injuries. Thus, it is important to have up-to-date equipment to provide medical care faster and more accurately than we do today. Our extrication equipment will be over 12 years old and becoming unreliable/effete.

FORM B - CAPITAL EQUIPMENT PURCHASE/LEASE THROUGH FY 15/16

Department: Fire
Division: Suppression
Purpose:
Replacement

Type of Equipment: Extrication Equipment and Tools
Type of Acquisition: Purchase Lease
Number of Units: 1 Priority: 2
Total Estimated Expenditure: \$ 21,000.00

Expenditures by Year:

Funding Source:

FY
10/11 \$
11/12 \$
12/13 \$
13/14 \$
14/15 \$ 21,000
15/16 \$

General Revenue

Replaces what piece of equipment:

Older camera

Justification:

Doctors and researchers emphasize the importance of the ‘Golden Hour’, which starts at the time of an accident and ends with the victims being cared for in the hospital. Firefighters have no margin for error, so they cannot afford to gamble on the reliability of their equipment. Extrication tools are needed to better allocate emergency medical resources according to need, for providing life saving care to those with serious injuries. Thus, it is important to have up-to-date equipment to provide medical care faster and more accurately than we do today. Currently our extrication equipment is over 12 years old and needs replacing.

FORM B - CAPITAL EQUIPMENT PURCHASE/LEASE THROUGH FY 15/16

Department: Fire

Type of Equipment: Fire Engine

Division: Suppression

Type of Acquisition: Purchase Lease

Purpose:

Number of Units: 1 Priority: 2

New

Total Estimated Expenditure: \$ 670,000.00

Expenditures by Year:

Funding Source:

FY

General Revenue

10/11 \$ 670000

11/12 \$

12/13 \$

13/14 \$

14/15 \$

15/16 \$

Replaces what piece of equipment:

Justification:

According to the NFPA, the fire department's suppression resources shall be deployed to provide for arrival of an engine company within a 4-minute response time 90% of the time. According to ISO and NFPA 1710, the city should have a first-due engine company within 1.5 miles to receive maximum credit. To maintain a 4-minute response time and ensure our engine companies receive maximum credit the City of New Bern needs to place a fire engine in the proposed fire station located on Hwy. 55. (Time frame to spec and receive fire engine from manufacturer is approximately 12-15 months)

FORM B - CAPITAL EQUIPMENT PURCHASE/LEASE THROUGH FY 15/16

Department: Fire
Division: Suppression
Purpose:
Replacement

Type of Equipment: SCBA
Type of Acquisition: Purchase Lease
Number of Units: 5 Priority: 2
Total Estimated Expenditure: \$ 27,500.00

Expenditures by Year:

Funding Source:

FY
10/11 \$
11/12 \$ 27500
12/13 \$
13/14 \$
14/15 \$
15/16 \$

General Revenue

Replaces what piece of equipment:

Older SCBA

Justification:

NFPA and OSHA standards specify minimum requirements for breathing air quality for emergency services organizations that provide personnel with respiratory protection devices. OSHA Standards were updated in 2009 and all new purchases must be compliant with the new standard. Parts and other items will become difficult as time passes. Recommend purchasing five (5) units per year as part of the five year capital plan. This will allow us to replace SCBA on all apparatus with compliant units. The replaced units can be used on lower response apparatus and for parts to keep packs efficient while phasing them out.

FORM B - CAPITAL EQUIPMENT PURCHASE/LEASE THROUGH FY 15/16

Department: Fire
Division: Suppression
Purpose:
Replacement

Type of Equipment: Thermal Imaging Camera
Type of Acquisition: Purchase Lease
Number of Units: 1 Priority: 2
Total Estimated Expenditure: \$ 17,000.00

Expenditures by Year:

FY
10/11 \$
11/12 \$
12/13 \$
13/14 \$ 17,000
14/15 \$
15/16 \$

Funding Source:

General Revenue

Replaces what piece of equipment:

Older camera

Justification:

Thermal imaging cameras technology can help at any emergency incident in which normal visibility is reduced. This technology can assist firefighters with many aspect of their job. These can include size-up to identify the location of the fire from the exterior and develop a better plan for mitigation. The fire attack team can immediately direct water to the seat of the fire. Search and rescue crews can improve the chances of locating lost victims. Changes in technology and the cost to repair older units makes replacing unit more practical and increases reliability. This unit will be used to replace older unit that is out-dated and effete.

FORM B - CAPITAL EQUIPMENT PURCHASE/LEASE THROUGH FY 15/16

Department: Fire
Division: Suppression
Purpose:
New

Type of Equipment: Breathing Air Compressor
Type of Acquisition: Purchase Lease
Number of Units: 1 Priority: 3
Total Estimated Expenditure: \$ 95,000.00

Expenditures by Year:

Funding Source:

FY
10/11 \$
11/12 \$ 95000
12/13 \$
13/14 \$
14/15 \$
15/16 \$

General Revenue

Replaces what piece of equipment:

Older camera

Justification:

NFPA and OSHA standards specify minimum requirements for breathing air quality for emergency services organizations that provide personnel with respiratory protection devices. A breathing air system is a complete assembly of equipment to compress, store, and deliver breathing air for the filling of respirator breathing air cylinders. New Bern Fire Rescue's compressor is located in the department's headquarters building. Having another compressor located in a outlying station will decrease the wear and further reduce travel/fuel cost.

FORM B - CAPITAL EQUIPMENT PURCHASE/LEASE THROUGH FY 15/16

Department: Fire
Division: Suppression
Purpose:
Replacement

Type of Equipment: Vehicle
Type of Acquisition: Purchase Lease
Number of Units: 1 Priority: 3
Total Estimated Expenditure: \$ 24,000.00

Expenditures by Year:

FY
10/11 \$
11/12 \$
12/13 \$
13/14 \$
14/15 \$ 24,000
15/16 \$

Funding Source:

General Revenue

Replaces what piece of equipment:

C-0020

Justification:

The Ford Excursion will be over 12 years old and repair/maintenance costs will be rising. The command vehicle signifies the location of the tactical-level, on-scene incident command and management organization. The Command Staff represents the fire department with incident jurisdiction while performing the Command function. The IC authorizes incident objectives and strategies that collectively delineate a course of action. This vehicle runs many hours on different incidents and needs to be replaced with a new vehicle.

FORM B - CAPITAL EQUIPMENT PURCHASE/LEASE THROUGH FY 15/16

Department: Fire
Division: Suppression
Purpose: Replacement
Expenditures by Year:

Type of Equipment: Extrication Equipment/Tools Kit
Type of Acquisition: Purchase Lease
Number of Units: 1 Priority: 3
Total Estimated Expenditure: \$ 21,000.00
Funding Source:
General Revenue

FY
10/11 \$ 21000
11/12 \$
12/13 \$
13/14 \$
14/15 \$
15/16 \$

Replaces what piece of equipment:
Existing Extrication Equipment and Tools

Justification:

Doctors and researchers emphasize the importance of the 'Golden Hour', which starts at the time of an accident and ends with the victims being cared for in the hospital. Firefighters have no margin for error, so they cannot afford to gamble on the reliability of their equipment. Extrication tools are needed to better allocate emergency medical resources according to need, for providing life saving care to those with serious injuries. Thus, it is important to have up-to-date equipment to provide medical care faster and more accurately than we do today. Currently our extrication equipment is over ten years old and needs replacing.

FORM B - CAPITAL EQUIPMENT PURCHASE/LEASE THROUGH FY 15/16

Department: Fire

Type of Equipment: Heavy Equipment Truck (TRT)

Division: Suppression

Type of Acquisition: Purchase Lease

Purpose:

Number of Units: 1 Priority: 3

New

Total Estimated Expenditure: \$ 350,000.00

Expenditures by Year:

Funding Source: *

FY

General Revenue

10/11 \$

11/12 \$

12/13 \$ 350,000

13/14 \$

Replaces what piece of equipment:

14/15 \$

15/16 \$

Justification:

As the City of New Bern grows, the potential for unique rescues increases. New Bern Fire-Rescue personnel (TRT Team / US&R Team members), are highly trained personnel for these unique situations. Our personnel can conduct rescues that involve high angle rescues, below-grade rescue (underground/ confined space), industrial rescue (entanglements in machinery), vehicle extrication and hazardous material mitigation up to the operations level. These types of rescues can be manmade (terrorist acts) or natural disasters. Each of these problems requires that specialized equipment be carried to these types of situations. Currently our equipment is divided between many apparatus and a specialized trailer for response due to limited space. Some of this equipment is also stored within the stations. When these types of situations arise, gathering needed equipment in a timely manner adds to invaluable time to our response. A heavy rescue vehicle would allow equipment to be stored in the ready state on one vehicle for a quick response for citizens of New Bern and surrounding area. With the purchase of this apparatus, specialized equipment for firefighter rescue, vehicle extrication, heavy rescue, high-angle rope rescue, surface water rescue, swift water rescue, metal cutting, masonry cutting / breaking, shoring for collapsed structures and confined space rescue will enhance the capabilities of our personnel to respond in a timely manner with all the equipment to mitigate these types of situations in a timely manner.

FORM B - CAPITAL EQUIPMENT PURCHASE/LEASE THROUGH FY 15/16

Department: Fire
Division: Suppression
Purpose:
Replacement

Type of Equipment: Vehicle
Type of Acquisition: Purchase Lease
Number of Units: 1 Priority: 3
Total Estimated Expenditure: \$ 28,000.00

Expenditures by Year:

Funding Source:

FY
10/11 \$
11/12 \$
12/13 \$
13/14 \$ 28,000
14/15 \$
15/16 \$

General Revenue

Replaces what piece of equipment:

C-0013

Justification:

The Ford F-350 will be over 15 years old and the cost to repair/maintain is rising. This vehicle is used daily to transport people while performing many tasks that include hydrant maintenance, training, etc... This helps to reduce wear and fuel cost by using smaller vehicles over the large fire apparatus. The unit is also assigned to pull our boat during rescue operations.

FORM B - CAPITAL EQUIPMENT PURCHASE/LEASE THROUGH FY 15/16

Department: Fire
Division: Suppression
Purpose:
New

Type of Equipment: Mobile Data Terminals
Type of Acquisition: Purchase Lease
Number of Units: 1 Priority: 4
Total Estimated Expenditure: \$ 78,000.00

Expenditures by Year:

Funding Source:

FY
10/11 \$
11/12 \$ 78000
12/13 \$
13/14 \$
14/15 \$
15/16 \$

General Revenue

Replaces what piece of equipment:

Justification:

Since the 9/11 attack on the World Trade Center, the fire department recognizes the need to coordinate at a distance and still access critical information about a fire. The implementation of Mobile Data Computers will allow for the following enhancement over our current CAD environment. Electronic mapping in all vehicles will mirror the CAD system, thereby minimizing any confusion that could occur while trying to locate the best route to the incident. The devices will provide real-time tracking of all fire apparatus. Provides a secure medium to relay information to and from dispatch via CAD messaging interface so that responding crews can be updated while in route to the scene. This proposal recommends installing units in all fire apparatus and staff vehicles.

FORM B - CAPITAL EQUIPMENT PURCHASE/LEASE THROUGH FY 15/16

Department: Fire
Division: Suppression
Purpose:
Replacement

Type of Equipment: SCBA
Type of Acquisition: Purchase Lease
Number of Units: 5 Priority: 4
Total Estimated Expenditure: \$ 27,500.00

Expenditures by Year:

Funding Source:

FY
10/11 \$ 27500
11/12 \$
12/13 \$
13/14 \$
14/15 \$
15/16 \$

General Revenue

Replaces what piece of equipment:

Older SCBA

Justification:

NFPA and OSHA standards specify minimum requirements for breathing air quality for emergency services organizations that provide personnel with respiratory protection devices. OSHA Standards were updated in 2009 and all new purchases must be compliant with the new standard. Parts and other items will become difficult as time passes. Recommend purchasing five (5) units per year as part of the five year capital plan. This will allow us to replace SCBA on all apparatus with compliant units. The replaced units can be used on lower response apparatus and for parts to keep packs efficient while phasing them out.

FORM B - CAPITAL EQUIPMENT PURCHASE/LEASE THROUGH FY 15/16

Department: Fire
Division: Suppression
Purpose:
Replacement

Type of Equipment: Thermal Imaging Camera
Type of Acquisition: Purchase Lease
Number of Units: 1 Priority: 4
Total Estimated Expenditure: \$ 17,000 00

Expenditures by Year:

Funding Source:

FY
10/11 \$
11/12 \$
12/13 \$
13/14 \$
14/15 \$ 17,000
15/16 \$

General Revenue

Replaces what piece of equipment:

Older camera

Justification:

Thermal imaging cameras technology can help at any emergency incident in which normal visibility is reduced. This technology can assist firefighters with many aspect of their job. These can include size-up to identify the location of the fire from the exterior and develop a better plan for mitigation. The fire attack team can immediately direct water to the seat of the fire. Search and rescue crews can improve the chances of locating lost victims. This unit will be used to replace older unit that is out-dated and is effete.

FORM B - CAPITAL EQUIPMENT PURCHASE/LEASE THROUGH FY 15/16

Department: Fire
Division: Suppression
Purpose:
Replacement

Type of Equipment: Breathing Air Compressor
Type of Acquisition: Purchase Lease
Number of Units: 1 Priority: 5
Total Estimated Expenditure: \$ 95,000.00

Expenditures by Year:

Funding Source:

FY
10/11 \$
11/12 \$
12/13 \$ 95,000
13/14 \$
14/15 \$
15/16 \$

General Revenue

Replaces what piece of equipment:

Justification:

NFPA and OSHA standards specify minimum requirements for breathing air quality for emergency services organizations that provide personnel with respiratory protection devices. A breathing air system is a complete assembly of equipment to compress, store, and deliver breathing air for the filling of respirator breathing air cylinders. The current breathing air system is over 10 years old and will be better suited to be placed as a reserve unit at our Thurman Road fire station. This will give us a more reliable and compliant unit along with reducing other cost by having a unit in the Taberna area.

FORM B - CAPITAL EQUIPMENT PURCHASE/LEASE THROUGH FY 15/16

Department: Fire

Type of Equipment: Vehicle

Division: Suppression

Type of Acquisition: Purchase Lease

Purpose:

Number of Units: 1 Priority: 5

Replacement

Total Estimated Expenditure: \$ 28,000.00

Expenditures by Year:

Funding Source:

FY

General Revenue

10/11 \$

11/12 \$

12/13 \$

13/14 \$

Replaces what piece of equipment:

14/15 \$ 28,000

C-0017

15/16 \$

Justification:

The Ford Explorer will be 13 years old and the cost to repair/maintain is rising. This vehicle is assigned to the Deputy Chief of Operations and is on call to all emergencies 24/7. This position requires a vehicle that is reliable and efficient.

FORM B - CAPITAL EQUIPMENT PURCHASE/LEASE THROUGH FY 15/16

Department: Fire
Division: Suppression
Purpose:
New

Type of Equipment: Thermal Imaging Camera
Type of Acquisition: Purchase Lease
Number of Units: 1 Priority: 5
Total Estimated Expenditure: \$ 17,000.00

Expenditures by Year:

Funding Source:

FY
10/11 \$
11/12 \$ 17000
12/13 \$
13/14 \$
14/15 \$
15/16 \$

General Revenue

Replaces what piece of equipment:

Justification:

Thermal imaging cameras technology can help at any emergency incident in which normal visibility is reduced. This technology can assist firefighters with many aspect of their job. These can include size-up to identify the location of the fire from the exterior and develop a better plan for mitigation. The fire attack team can immediately direct water to the seat of the fire. Search and rescue crews can improve the chances of locating lost victims. We currently have two cameras over ten years old. This unit will be placed on new fire engine.

FORM B - CAPITAL EQUIPMENT PURCHASE/LEASE THROUGH FY 15/16

Department: Fire
Division: Suppression
Purpose:
New

Type of Equipment: Enclosed Trailer
Type of Acquisition: Purchase Lease
Number of Units: 1 Priority: 6
Total Estimated Expenditure: \$ 15,000.00

Expenditures by Year:

FY
10/11 \$ 15000
11/12 \$
12/13 \$
13/14 \$
14/15 \$
15/16 \$

Funding Source:

General Revenue

Replaces what piece of equipment:

Justification:

Trailer will be used to carry multiple types of rescue equipment for confined space, urban search and rescue, high-angle, etc... We currently have one trailer overloaded and the remainder of the equipment is being stored in our building. Having a large trailer will enable us to reduce our response time significantly.

FORM B - CAPITAL EQUIPMENT PURCHASE/LEASE THROUGH FY 15/16

Department: Fire
Division: Suppression
Purpose:
Replacement

Type of Equipment: Vehicle
Type of Acquisition: Purchase Lease
Number of Units: 1 Priority: 6
Total Estimated Expenditure: \$ 28,000.00

Expenditures by Year:

Funding Source:

FY
10/11 \$
11/12 \$ 28000
12/13 \$
13/14 \$
14/15 \$
15/16 \$

General Revenue

Replaces what piece of equipment:

C-0006

Justification:

The Ford Explorer is over 14 years old and the cost to maintain vehicle is rising. The vehicle is used to throughout the day to carry people while performing many tasks that include hydrant maintenance, training, etc... This helps to reduce wear and fuel cost by using smaller vehicles over the large fire apparatus

FORM B - CAPITAL EQUIPMENT PURCHASE/LEASE THROUGH FY 15/16

Department: Fire
Division: Suppression
Purpose:
New

Type of Equipment: Thermal Imaging Camera
Type of Acquisition: Purchase Lease
Number of Units: 1 Priority: 7
Total Estimated Expenditure: \$ 17,000.00

Expenditures by Year:

Funding Source:

FY
10/11 \$ 17000
11/12 \$
12/13 \$
13/14 \$
14/15 \$
15/16 \$

General Revenue

Replaces what piece of equipment:

Older camera

Justification:

Thermal imaging cameras technology can help at any emergency incident in which normal visibility is reduced. This technology can assist firefighters with many aspect of their job. These can include size-up to identify the location of the fire from the exterior and develop a better plan for mitigation. The fire attack team can immediately direct water to the seat of the fire. Search and rescue crews can improve the chances of locating lost victims. This unit will be placed on new fire engine.

FORM B - CAPITAL EQUIPMENT PURCHASE/LEASE THROUGH FY 15/16

Department: Fire

Type of Equipment: Vehicle

Division: Suppression

Type of Acquisition: Purchase Lease

Purpose:

Number of Units: 1 Priority: 8

Replacement

Total Estimated Expenditure: \$ 28,000.00

Expenditures by Year:

Funding Source:

FY

General Revenue

10/11 \$ 28000

11/12 \$

12/13 \$

13/14 \$

Replaces what piece of equipment:

14/15 \$

C-0005 V-0498 (1996 F-150)

15/16 \$

Justification:

The pickup is over 15 years old and the cost to maintain vehicle is rising. The vehicle is used to throughout the day to carry people while performing many tasks that include hydrant maintenance, training, hauling hose/equipment from fire scene, etc... This helps to reduce wear and fuel cost by using smaller vehicles over the large fire apparatus.

FORM B - CAPITAL EQUIPMENT PURCHASE/LEASE THROUGH FY 15/16

Department: Fire

Division: Suppression

Purpose:

Replacement

Expenditures by Year:

FY

10/11 \$ 65000

11/12 \$

12/13 \$

13/14 \$

14/15 \$

15/16 \$

Type of Equipment: Software

Type of Acquisition: Purchase Lease

Number of Units: 1 Priority: 9

Total Estimated Expenditure: \$ 65,000.00

Funding Source:

General Revenue

Replaces what piece of equipment:

Justification:

We are required to maintain records of all incidents, inspections, hydrant maintenance, training, and other specific tasks. Our current software has failed to be proficient and many hours of down time has occurred from the failures. We are recommending to purchase a records management software more compatible to the fire service.