

**CAPITAL IMPROVEMENT PROGRAM
2022-2029 Project Request & Evaluation Form**

1. Department: Fire Department

2. Prepared By: Captain Philip Gladu

3A. Project Name & Implementation Year/s: Personal Protective Equipment - Annually

3B. Description of Project: (Please go to second page, Paragraph 3B, to give detailed description and purpose of project, and give a detailed explanation and/or justification for the point score under 4. Evaluation Criteria)

4. Evaluation Criteria (Explain Score under 3.B, Page 2)

Point Score

a. Addresses an emergency or public safety need	<input checked="" type="checkbox"/> 4 3 2 1 0
b. Corrects a deficiency in service or facility	<input checked="" type="checkbox"/> 4 3 2 1 0
c. Results in long-term cost savings	<input checked="" type="checkbox"/> 4 3 2 1 0
d. Furthers the goals of the Master Plan	<input checked="" type="checkbox"/> 4 3 2 1 0
e. Matching funds available for limited time	5 4 3 2 1 <input checked="" type="checkbox"/>

5. Department Priority

1 of 10

6. Estimated Costs

a. Planning and Design:

b. Land:

c. Construction:

d. Equipment: \$20,000

e. Other:

TOTAL: \$20,000

7. Cost Effect on Budget

a. Operation:

b. Maintenance:

c. # of Personnel:

d. Cost of Personnel:

e. Other:

TOTAL: _____

8. Source of Funds (Check those appropriate):

☐ a. Current Revenue

☐ b. General Obligation Bonds

☐ c. Revenue Bonds

☐ d. Federal Grant

☐ e. State Grant

☐ f. Special Assessment

☒ g. Town Budget

☐ h. Other (Specify): _____

3B. Detailed description and Purpose of Project:

FYI - A capital project as defined by the Planning Board are those projects outside of normal operations and maintenance and having the following characteristics:

- a gross cost of at least \$5,000;
- and a useful life of at least 3 years; and
- is non-recurring (not an annual budget item);
- or any project requiring bond financing.

Please give a detailed explanation and/or justification for the point score under **4. Evaluation Criteria.**

To maintain appropriate levels of protective equipment for all members it is planned to purchase seven sets of gear a year. This will help avoid large expenditures to fully outfit the department every ten years as gear expires. As members join and leave the department, equipment of varying size is required to accommodate the countless sizes and shapes of members. To add to this gear has a maximum life of 10 years per NFPA standards. In some cases the busiest members wear through gear at a higher rate. Seven sets is anticipated to be appropriate to keep all members in compliant gear. Once all active members have a primary and back up set that is compliant to safety standards this number is anticipated to be reduced.

Signature: Philip Gladu

Title: Captain

Date: 9/20/2021

Relationship to Master Plan (filled out by Planning Board):

CAPITAL IMPROVEMENT PROGRAM
2022-2029 Project Request & Evaluation Form

1. Department: Fire Department

2. Prepared By: Captain Philip Gladu

3A. Project Name & Implementation Year/s: Rescue Engine (Engine 2) – 2022/2023

3B. Description of Project: (Please go to second page, Paragraph 3B, to give detailed description and purpose of project, and give a detailed explanation and/or justification for the point score under 4. Evaluation Criteria)

4. Evaluation Criteria (Explain Score under 3.B, Page 2)

Point Score

a. Addresses an emergency or public safety need	X	4	3	2	1	0
b. Corrects a deficiency in service or facility	5	4	X	2	1	0
c. Results in long-term cost savings	5	4	X	2	1	0
d. Furthers the goals of the Master Plan	X	4	3	2	1	0
e. Matching funds available for limited time	5	4	3	2	1	X

5. Department Priority

2 of 10

6. Estimated Costs

a. Planning and Design:

b. Land:

c. Construction:

d. Equipment: \$701,954.86

e. Other:

TOTAL: \$701,954.86

7. Cost Effect on Budget

a. Operation:

b. Maintenance:

c. # of Personnel:

d. Cost of Personnel:

e. Other:

TOTAL: _____

8. Source of Funds (Check those appropriate):

☐ a. Current Revenue

☐ b. General Obligation Bonds

☐ c. Revenue Bonds

☐ d. Federal Grant

☐ e. State Grant

☐ f. Special Assessment

☒ g. Town Budget

☐ h. Other (Specify): _____

3B. Detailed description and Purpose of Project:

FYI - A capital project as defined by the Planning Board are those projects outside of normal operations and maintenance and having the following characteristics:

- a gross cost of at least \$5,000;
- and a useful life of at least 3 years; and
- is non-recurring (not an annual budget item);
- or any project requiring bond financing.

Please give a detailed explanation and/or justification for the point score under **4. Evaluation Criteria.**

Chester Engine 2 is used as the water supply engine for structural fires meaning it pulls water from a water source and feeds it to the truck that is attacking the fire or is the apparatus that fills the Tankers that then feed the attack piece. Engine 2 is also the truck that carries the jaws of life and responds to car accidents, car fires, medical calls and many other emergencies. Engine 2 essentially serves as the departments "Jack of all trades", whatever the call Engine 2 can handle it. In 2016, after discussing the needs of the department with manufacturers, it was estimated to cost approximately \$550,000 for this type of engine. Given the average inflation rate of 3.22% plus the cost increases attached to new NFPA and EPA requirements we have increased the cost by 5% a year. The project cost will be \$701,954.86 at the time Engine 2 will be due for replacement in 2021-2022. This number will provide the town with a fully outfitted apparatus that will last the department approximately twenty years. The administration recognizes the large number put forth but it should be noted that the purchased tanker started with an estimate of \$392,000 over the course of the project the department was able to save the town \$47,500. This included selling the old tanker for \$30,000, a \$7,000 reduction in price at the town meeting, \$4,500 in additional equipment and hose, \$4,000 back for paying upfront, and \$2,000 in repairs to the old tanker paid by the dealership. The administration will work to keep the cost as reasonable as possible while still delivering a vehicle that is purpose built for the town to give a long useful life.

Signature: Philip Gladu

Title: Captain

Date: 9/20/2021

Relationship to Master Plan (filled out by Planning Board):

**CAPITAL IMPROVEMENT PROGRAM
2022-2029 Project Request & Evaluation Form**

1. Department: Fire Department

2. Prepared By: Captain Philip Gladu

3A. Project Name & Implementation Year/s: Mobile Dispatch Terminals – 2023/2024

3B. Description of Project: (Please go to second page, Paragraph 3B, to give detailed description and purpose of project, and give a detailed explanation and/or justification for the point score under 4. Evaluation Criteria)

4. Evaluation Criteria (Explain Score under 3.B, Page 2)

Point Score

a. Addresses an emergency or public safety need	5	X	3	2	1	0
b. Corrects a deficiency in service or facility	5	X	3	2	1	0
c. Results in long-term cost savings	5	4	3	2	X	0
d. Furthers the goals of the Master Plan	X	4	3	2	1	0
e. Matching funds available for limited time	5	4	3	2	1	X

5. Department Priority

3 of 10

6. Estimated Costs

a. Planning and Design:

b. Land:

c. Construction:

d. Equipment: \$15,000

e. Other:

TOTAL: \$15,000

7. Cost Effect on Budget

a. Operation:

b. Maintenance:

c. # of Personnel:

d. Cost of Personnel:

e. Other:

TOTAL: _____

8. Source of Funds (Check those appropriate):

☐ a. Current Revenue

☐ b. General Obligation Bonds

☐ c. Revenue Bonds

☐ d. Federal Grant

☐ e. State Grant

☐ f. Special Assessment

☒ g. Town Budget

☐ h. Other (Specify): _____

3B. Detailed description and Purpose of Project:

FYI - A capital project as defined by the Planning Board are those projects outside of normal operations and maintenance and having the following characteristics:

- a gross cost of at least \$5,000;
- and a useful life of at least 3 years; and
- is non-recurring (not an annual budget item);
- or any project requiring bond financing.

Please give a detailed explanation and/or justification for the point score under **4. Evaluation Criteria.**

Mobile Dispatch Terminals (MDTs) are computers mounted inside emergency vehicles that allow the responders to access vital information while enroute to emergencies. Chester does not currently have a functioning system. The long term goal of the Fire Department is to install MDTs in a way that the responding Officers will be able to access necessary information prior to arrival. An example of this would be while responding to a structure fire in a town building the Officer could access a plan of the building with special hazards marked such as electrical room, sprinkler room, hazardous materials and safe havens. The MDT will also have water sources, mutual aid, as well as the ability to monitor firefighters location and air consumption in real time. The MDTs would also have internet access which allows research for hazmat calls, resource management through our I am Responding program and EMS care reports. Another advantage of this system is the ability for the dispatcher to relay sensitive information regarding a call without broadcasting it publicly over the radio. An example of this is while responding to a fire call in a private residence with an alarm or key code the dispatcher has to announce the code over the airwaves or ask the officer to call in to dispatch. The problem is most firefighters leave their phones at the station to avoid damaging them when they enter a fire. This means that some messages are never sent or have to be broadcast in a way that any person with a scanner can hear private information. MDTs are secure and a message can be sent privately giving only the officer of the call the information. For implementing this program the fire department would benefit from installing one unit in each vehicle over time. The most critical vehicles would be the command car, Rescue, and Utility followed by Engine 1, Engine 2, Tanker 1, Forestry 1 and Tanker 2 in that order. Currently the cost is estimated to be five thousand (\$5,000) per vehicle. Future vehicle purchases could include MDTs for the new vehicle.

Signature: Philip Gladu

Title: Captain

Date: 9/20/2021

Relationship to Master Plan (filled out by Planning Board):

**CAPITAL IMPROVEMENT PROGRAM
2022-2029 Project Request & Evaluation Form**

1. Department: Fire Department

2. Prepared By: Captain Philip Gladu

3A. Project Name & Implementation Year/s: Life Pack Defibrillators – 2023/2024

3B. Description of Project: (Please go to second page, Paragraph 3B, to give detailed description and purpose of project, and give a detailed explanation and/or justification for the point score under 4. Evaluation Criteria)

4. Evaluation Criteria (Explain Score under 3.B, Page 2)

Point Score

a. Addresses an emergency or public safety need	5	4	X	2	1	0
b. Corrects a deficiency in service or facility	5	4	3	2	X	0
c. Results in long-term cost savings	5	4	3	2	X	0
d. Furthers the goals of the Master Plan	X	4	3	2	1	0
e. Matching funds available for limited time	5	4	3	2	1	X

5. Department Priority

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6. Estimated Costs

a. Planning and Design:

b. Land:

c. Construction:

d. Equipment: \$60,000

e. Other:

TOTAL: \$60,000

7. Cost Effect on Budget

a. Operation:

b. Maintenance:

c. # of Personnel:

d. Cost of Personnel:

e. Other:

TOTAL: _____

8. Source of Funds (Check those appropriate):

☐ a. Current Revenue

☐ b. General Obligation Bonds

☐ c. Revenue Bonds

☐ d. Federal Grant

☐ e. State Grant

☐ f. Special Assessment

☒ g. Town Budget

☐ h. Other (Specify): _____

3B. Detailed description and Purpose of Project:

FYI - A capital project as defined by the Planning Board are those projects outside of normal operations and maintenance and having the following characteristics:

- a gross cost of at least \$5,000;
- and a useful life of at least 3 years; and
- is non-recurring (not an annual budget item);
- or any project requiring bond financing.

Please give a detailed explanation and/or justification for the point score under **4. Evaluation Criteria.**

This is the anticipated time the Life Pack 15 the town purchased in 2016 will need to be replaced. This will depend on many variables and if the department does not need to replace this unit it will be pushed further down the CIP.

Signature: Philip Gladu

Title: Captain

Date: 9/20/2021

Relationship to Master Plan (filled out by Planning Board!):

CAPITAL IMPROVEMENT PROGRAM
2022-2029 Project Request & Evaluation Form

1. Department: Fire Department	2. Prepared By: Captain Philip Gladu
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3A. Project Name & Implementation Year/s: Digital Paggers – 2023/2024
3B. Description of Project: (Please go to second page, Paragraph 3B, to give detailed description and purpose of project, and give a detailed explanation and/or justification for the point score under 4. Evaluation Criteria)

4. Evaluation Criteria (Explain Score under 3.B, Page 2)	Point Score
a. Addresses an emergency or public safety need	X 4 3 2 1 0
b. Corrects a deficiency in service or facility	X 4 3 2 1 0
c. Results in long-term cost savings	5 4 3 2 X 0
d. Furthers the goals of the Master Plan	X 4 3 2 1 0
e. Matching funds available for limited time	5 4 3 2 1 X

5. Department Priority	5 of 10
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6. Estimated Costs	7. Cost Effect on Budget
a. Planning and Design:	a. Operation:
b. Land:	b. Maintenance:
c. Construction:	c. # of Personnel:
d. Equipment: \$22,000	d. Cost of Personnel:
e. Other:	e. Other:
TOTAL: \$22,000	TOTAL: _____

8. Source of Funds (Check those appropriate):	
<input type="checkbox"/> a. Current Revenue	<input type="checkbox"/> b. General Obligation Bonds
<input type="checkbox"/> c. Revenue Bonds	<input type="checkbox"/> d. Federal Grant
<input type="checkbox"/> e. State Grant	<input type="checkbox"/> f. Special Assessment
<input checked="" type="checkbox"/> g. Town Budget	<input type="checkbox"/> h. Other (Specify): _____

3B. Detailed description and Purpose of Project:

FYI - A capital project as defined by the Planning Board are those projects outside of normal operations and maintenance and having the following characteristics:

- a gross cost of at least \$5,000;
- and a useful life of at least 3 years; and
- is non-recurring (not an annual budget item);
- or any project requiring bond financing.

Please give a detailed explanation and/or justification for the point score under **4. Evaluation Criteria.**

The Derry Fire Department is moving their dispatch service to a digital broadcasting system. The pagers the department currently owns will only receive analog signals. Until there is a digital repeater in the Town of Chester, Derry will continue to dispatch Chester over the analog system. Once there is a repeater everything will need to switch to digital. This would be a large one time purchase of forty (40) pagers. The maintenance and replacement of pagers will be a budget item. The pagers have an estimated price of \$550.00 each but with a large purchase it may be possible to receive a discount.

Signature: Philip Gladu

Title: Captain

Date: 9/20/2021

Relationship to Master Plan (filled out by Planning Board!):

CAPITAL IMPROVEMENT PROGRAM
2022-2029 Project Request & Evaluation Form

1. Department: Fire Department

2. Prepared By: Captain Philip Gladu

3A. Project Name & Implementation Year/s: Gear Extractor - 2024/2025

3B. Description of Project: (Please go to second page, Paragraph 3B, to give detailed description and purpose of project, and give a detailed explanation and/or justification for the point score under 4. Evaluation Criteria)

4. Evaluation Criteria (Explain Score under 3.B, Page 2)

Point Score

a. Addresses an emergency or public safety need	5	4	X	2	1	0
b. Corrects a deficiency in service or facility	5	4	3	X	1	0
c. Results in long-term cost savings	5	4	X	2	1	0
d. Furthers the goals of the Master Plan	X	4	3	2	1	0
e. Matching funds available for limited time	5	4	3	2	1	X

5. Department Priority

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6. Estimated Costs

- a. Planning and Design:
- b. Land:
- c. Construction:
- d. Equipment: \$25,000
- e. Other:

TOTAL: \$25,000

7. Cost Effect on Budget

- a. Operation:
- b. Maintenance:
- c. # of Personnel:
- d. Cost of Personnel:
- e. Other:

TOTAL: _____

8. Source of Funds (Check those appropriate):

- | | |
|--|--|
| <input type="checkbox"/> a. Current Revenue | <input type="checkbox"/> b. General Obligation Bonds |
| <input type="checkbox"/> c. Revenue Bonds | <input type="checkbox"/> d. Federal Grant |
| <input type="checkbox"/> e. State Grant | <input type="checkbox"/> f. Special Assessment |
| <input checked="" type="checkbox"/> g. Town Budget | <input type="checkbox"/> h. Other (Specify): _____ |

3B. Detailed description and Purpose of Project:

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- a gross cost of at least \$5,000;
- and a useful life of at least 3 years; and
- is non-recurring (not an annual budget item);
- or any project requiring bond financing.

Please give a detailed explanation and/or justification for the point score under **4. Evaluation Criteria.**

It has been proven that one of the most prevalent dangers to firefighters is carcinogen exposure from the by-products of combustion. Firefighters are exposed to these chemicals while fighting a fire and the gear that protects the firefighters acts like a sponge absorbing all these carcinogens and holding them against the firefighter. Once the fire is out the firefighter needs to be able to clean their skin and gear to reduce exposure time. Cleaning the skin is simple but cleaning the gear can be more challenging. Currently the department has a gear washer, known as an extractor, that was kindly donated to the Department by a member. This extractor was a rebuilt unit that has served the department dutifully. There currently is no need to replace this unit but it is an aging unit and it is reasonable to expect the unit will need replacement within the seven year life of the current CIP. \$25,000 is an estimate based on internet pricing.

Signature: Philip Gladu

Title: Captain

Date: 9/20/2021

Relationship to Master Plan (filled out by Planning Board):

CAPITAL IMPROVEMENT PROGRAM
2022-2029 Project Request & Evaluation Form

1. Department: Fire Department	2. Prepared By: Captain Philip Gladu
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3A. Project Name & Implementation Year/s: Engine 1 Refurbishment - 2025/2026

3B. Description of Project: (Please go to second page, Paragraph 3B, to give detailed description and purpose of project, and give a detailed explanation and/or justification for the point score under 4. Evaluation Criteria)

4. <u>Evaluation Criteria</u> (Explain Score under 3.B, Page 2)		Point Score
a. Addresses an emergency or public safety need	<input checked="" type="checkbox"/>	4 3 2 1 0
b. Corrects a deficiency in service or facility	<input checked="" type="checkbox"/>	4 3 2 1 0
c. Results in long-term cost savings		5 4 3 2 <input checked="" type="checkbox"/> 0
d. Furthers the goals of the Master Plan	<input checked="" type="checkbox"/>	4 3 2 1 0
e. Matching funds available for limited time		5 4 3 2 1 <input checked="" type="checkbox"/>

5. Department Priority	8 of 10
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6. <u>Estimated Costs</u>	7. <u>Cost Effect on Budget</u>
a. Planning and Design:	a. Operation:
b. Land:	b. Maintenance:
c. Construction:	c. # of Personnel:
d. Equipment:	d. Cost of Personnel:
e. Other: \$300,000	e. Other:
TOTAL: \$300,000	TOTAL: _____

8. Source of Funds (Check those appropriate):

<input type="checkbox"/> a. Current Revenue	<input type="checkbox"/> b. General Obligation Bonds
<input type="checkbox"/> c. Revenue Bonds	<input type="checkbox"/> d. Federal Grant
<input type="checkbox"/> e. State Grant	<input type="checkbox"/> f. Special Assessment
<input checked="" type="checkbox"/> g. Town Budget	<input type="checkbox"/> h. Other (Specify): _____

3B. Detailed description and Purpose of Project:

FYI - A capital project as defined by the Planning Board are those projects outside of normal operations and maintenance and having the following characteristics:

- a gross cost of at least \$5,000;
- and a useful life of at least 3 years; and
- is non-recurring (not an annual budget item);
- or any project requiring bond financing.

Please give a detailed explanation and/or justification for the point score under **4. Evaluation Criteria.**

NFPA recommends refurbishment of fire apparatus every 10 years. The refurbishment would involve removing all parts of the apparatus, repainting and repairing as necessary, and updating the apparatus to meet current standards. A quote is almost impossible to obtain at this point because the NFPA will have two rounds of new standards before this project is slated. Once the final round of standards is out several companies will be contacted and the Department will decide if it is feasible to undertake this project. The Department Administration would like to push the refurbishment of Engine One to FY 2025-2026 unless it becomes necessary due to major equipment failure.

Signature: Philip Gladu

Title: Captain

Date: 9/20/2021

Relationship to Master Plan (filled out by Planning Board!):