

CITY OF
SOUTH PORTLAND

CAPITAL
IMPROVEMENT
PROGRAM

FISCAL YEAR
2023



PRESENTED BY

SCOTT T. MORELLI
City Manager

MARCH 21, 2022

CITY OF SOUTH PORTLAND

Capital Improvement Program

FY 2023

City Council

Deqa Dhalac, Mayor

Katelyn S. Bruzgo

Linda C. Cohen

Susan J. Henderson

Jocelyn E. Leighton

Katherine W. Lewis

Misha C. Pride

City Manager

Scott T. Morelli

March 21, 2022

TABLE OF CONTENTS

Manager’s CIP Transmittal Letter 1

SECTION I

Seven-year Capital Improvement Program..... 13

SECTION II

Year 1 FY 2023 Request..... 53

Cultural and Recreational Facilities

Community Center Pool Roof 57
Electrical Upgrades (Phase 1)..... 61
Bridge Rehabilitation..... 69
Skate Park – Funds for Remainder of Project..... 73

Environmental Protection

Aeration Train 1 Rehabilitation75
Wastewater Outfall Marker Replacement.....85
WWTF Electrical Upgrade Phase II Design89
Chlorination Update 103
Disinfection Drain Pump 105
2023 Sewer Lining 109
Ordinance Chapter 22 Sewers and Drains Update..... 113
Long Creek Pump Installation 115
Willard Beach Pump 2 VFD Replacement 127
John Roberts Pump Replacements..... 131
Pump Stations NFPA violations – Design..... 135
Regular Cab 4 x 4 Pick-up Truck 143
Combination Sewer Cleaner 165
14-Yard Dump Truck 179
Closed Circuit Television Inspection Van 191
Electrify Everything Program..... 199
100 Resilient Yards 207
Electric Vehicle Charging Stations..... 215
Solar Proliferation Study 217

General Government

Community Broadband Network Project.....	219
Child Care Grant	221
Helping Our unhoused with Social Services, Education and Medical Assistance (HOUSEME).....	223
Data Center Hardware Replacement.....	225
Email Server Upgrade.....	227
Comprehensive Plan	229
Affordable Housing Projects Subsidy.....	231
Mill Creek Art Installation.....	233
Bicycle and Pedestrian Master Plan Part I	235
Ferry Service Feasibility Study.....	237

Parks and Open Space

Hinckley Park Rehabilitation.....	239
¾ Ton Truck w/Plow Replacement.....	241
4100D Outfront Mower (Tier 4 Emissions)	245

Public Safety

Foam Pumper Engine #46	249
Ambulance 44 and Power Stretcher	251
Foam Trailer (500 Gallons).....	253
Service Truck (Maintenance/Snow Plow/SU Transportation.....	255
Electric Mustang.....	257
Taser Replacement	259
Digital Storage (for Body-worn and in-car video).....	261

Public Works and Transportation

Biodiesel Set-up for DPW	263
One – ¾ Ton Pick-up Truck	265
Single Axle Dump Truck equipped for Winter Operations	269
Public Works and Parks Digital Radios.....	287

SECTION III

Appendix Index 291

Appendix A - The Capital Improvement Budget Process 293

Appendix B -Capital Improvement Plan Project Evaluation Guidelines 295

Appendix C - Other Demographic, Economic, and Governmental
Statistical Information 299

Appendix D - Fund Balance Policy 315

Appendix E - Analysis of Bonded Indebtedness..... 319

Appendix F - Buildings, Equipment, Vehicles, and Technology
Inventory of the City 321

Appendix G - Glossary 351

SECTION IV

20-year CIP History 353

SECTION V

School Facilities..... 365

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March 21, 2022

South Portland City Councilors
City of South Portland
25 Cottage Road
South Portland, ME 04106

Re: FY 2023 to FY 2029 Capital Improvement Program

Dear Mayor Dhalac and City Councilors:

In accordance with §502, §514, and §515 of the City Charter, I am submitting the fiscal years 2023 - 2029 (FY23-29) Capital Improvement Program (CIP) for the City of South Portland.

A CIP establishes the funding priorities for capital investments in a community. In South Portland, our CIP serves as a roadmap for projects not just in the upcoming fiscal year, but also for an additional six years out. Our CIP guides investments in safe and efficient road and transportation systems; capital-intensive environmental infrastructure projects, such as wastewater collection and treatment facilities; and public safety equipment through a planned and continuous investment program. The CIP also establishes a plan to purchase, construct, and maintain public land and buildings that house educational, governmental, cultural, or recreational activities to serve our citizens and students.

For the upcoming fiscal year (FY23), City Council is being asked to approve actual funding for the projects listed herein. For the remaining CIP years (FY23-29), Council is not being asked to commit to funding *per se* but rather to the understanding that these projects (and likely others to be added, especially in years farther out) will require funding and are in a queue to be financed.

Funding Sources

South Portland's CIP is funded via seven different sources:

- General Obligation (GO) Bonds/Lease (long-term debt or leasing)
- Tax Increment Financing (TIF) (public infrastructure fund reserves for eligible capital projects)
- General Fund Reserves (planned savings and investment program contained within the operating budget)
- Other Fund Reserves/Surplus (such as reserves in the sewer user budget, cable franchise capital reserve, etc.)

- Grants (including State and Federal, as well as other private sources)
- Prior Years' CIP Balances and Interest (dollars remaining from previous CIP projects that can be reprogrammed for new capital needs)
- General Fund Fund Balance (funded through the General Fund)

Many of these funds are restricted in their use. For example, TIF funds can only be used for specific purposes that are related to the district and approved by the State of Maine. It is important to understand this when looking at why some items have been funded and others, which may better address a Council goal, have not been.

The FY23 portion of the CIP totals \$9,841,567.

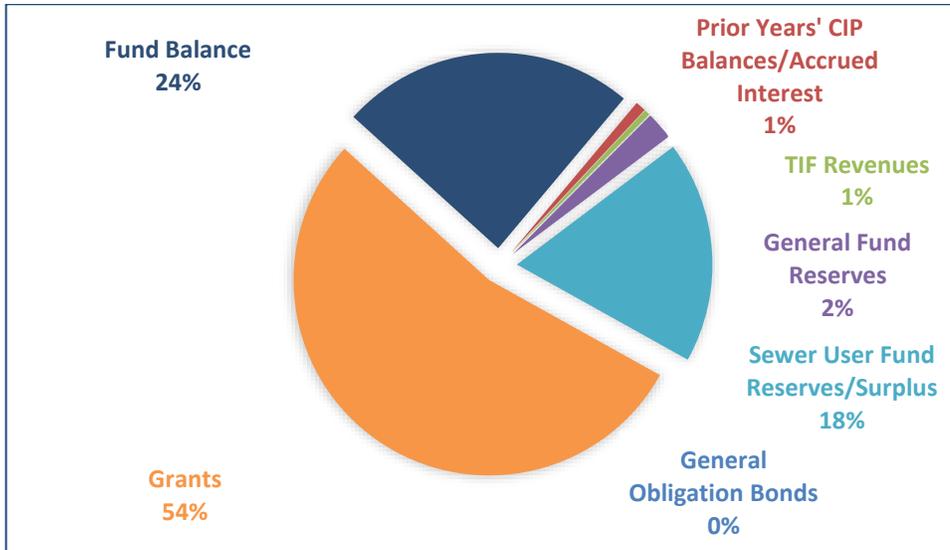
Table I

**FY 2023 Capital Improvement Program
By Funding Sources**

General Obligation Bonds	\$0
Prior Years' CIP Balances/Accrued Interest	\$85,000
TIF Revenues	\$45,000
General Fund Reserves	\$225,000
Other User Fund Reserves/Surplus (ex. Sewer)	\$1,808,026
Grants	\$5,279,396
Fund Balance	<u>\$2,399,145</u>
Total	\$9,841,567

Chart I

**FY 2023 Capital Improvement Program
By Funding Sources**



Functional Areas

There are six functional areas within the CIP and each project falls within one of these areas. Placing projects in these areas is useful to help better understand where money is being spent to help ensure that the investments align with the Council’s goals and vision. The FY23 CIP funds 47 projects within these functional areas, as further detailed in Table II and Chart II below. As you will note, the General Government and Environmental Protection categories are slated to receive a preponderance of the funding in FY23.

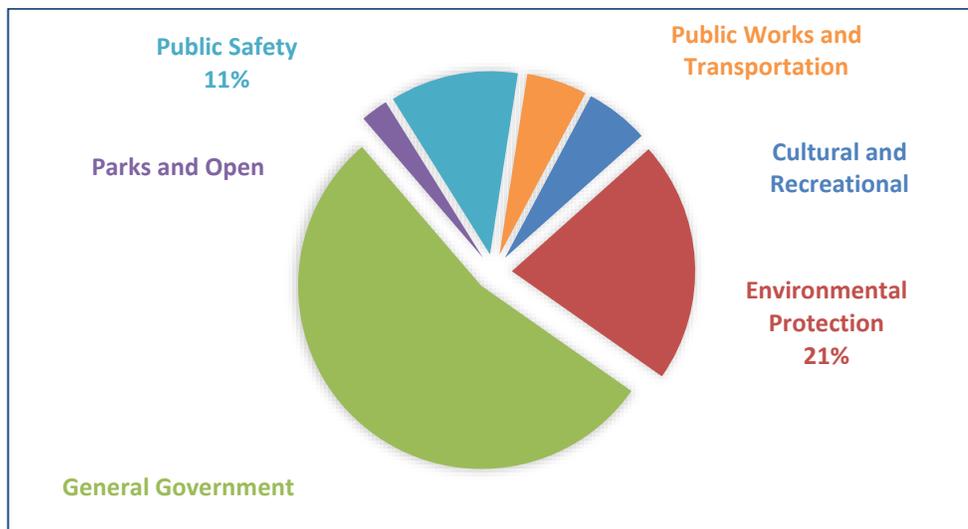
Table II

**FY 2023 Capital Improvement Program
By Functional Area**

Cultural and Recreational Facilities	\$553,000
Environmental Protection	\$2,100,026
General Government	\$5,312,000
Parks and Open Space	\$237,000
Public Safety	\$1,113,960
Public Works and Transportation	<u>\$525,581</u>
Total	\$9,841,567

Chart II

**FY 2023 Capital Improvement Program
By Functional Area**



Below you will find a listing of the projects within each of the six functional areas. *NOTE: The Climate Action Plan, adopted by the City Council on October 6, 2014, outlines attainable goals that include creating a Green Capital Improvement Program. Items in green font indicate they are part of the City’s “Green CIP” as they primarily address the environment.*

Cultural and Recreational Facilities

The proposed seven-year Capital Improvement Plan includes an investment of \$5,007,000 for these types of projects. FY23 includes the following projects totaling \$553,000.

Item	Requested	Recommended	Source(s)
Community Center Roof	\$550,000	\$400,000	Other Reserves (\$100,000) Fund Balance (\$300,000)
Electrical Upgrades	\$18,000	\$18,000	Fund Balance
Bridge Rehabilitation	\$50,000	\$50,000	Fund Balance
Skate Park	\$125,000	\$85,000	Fund Balance
Total Cultural and Recreational Facilities	\$ 743,000	\$ 553,000	

Table III

**FY 2023 Cultural and Recreational Facilities
Capital Improvement Projects**

Environmental Protection

One of the most important obligations of a City is its role in environmental stewardship to protect the health and safety of its residents, protect its natural environment, and meet the obligations of state and federal environmental law. The City Council has committed significant resources recently to meet this obligation.

The proposed seven-year Capital Improvement Plan continues this commitment, with an investment of \$33,978,121 for Environmental Protection projects, most of which are accomplished through the Water Resource Protection (WRP) department.

FY23 includes the following Environmental Protection projects totaling \$2,100,026:

Table IV

**FY 2023 Environmental Protection
Capital Improvement Projects**

Item	Requested	Recommended	Source(s)
Aeration Train 1 Rehabilitation	\$309,800	\$309,800	Sewer User Fund Reserves
Wastewater Outfall Marker Replacement	\$35,000	\$35,000	Sewer User Fund Reserves
WWWTF Electrical Upgrade Phase II Design and CA	\$70,910	\$70,910	Sewer User Fund Reserves
Chlorination Update	\$300,000	\$300,000	Sewer User Fund Reserves
Disinfection Drain Pump	\$24,819	\$24,819	Sewer User Fund Reserves
2023 Sewer Lining	\$250,000	\$250,000	Sewer User Fund Reserves
Ordinance Chapter 22 Sewers and Drains Update	\$20,000	\$20,000	Sewer User Fund Reserves
Long Creek Pump Installation	\$161,455	\$161,455	Sewer User Fund Reserves
Willard Beach Pump 2 VFD Replacements	\$24,885	\$24,885	Sewer User Fund Reserves
John Roberts Pump Replacements	\$35,540	\$35,540	Sewer User Fund Reserves
Pump Stations NFPA Violations – Design	\$20,000	\$20,000	Sewer User Fund Reserves
Regular Cab 4 x 4 Pick-up Truck	\$37,105	\$37,105	Sewer User Fund Reserves
Combination Sewer Cleaner	\$160,479	\$160,479	Sewer User Fund Reserves
14-Yard Dump Truck	\$48,867	\$48,867	Sewer User Fund Reserves
Closed Circuit Television Inspection Van	\$84,166	\$84,166	Sewer User Fund Reserves
Electrify Everything Program	\$270,000	\$270,000	Grant (TBD)
100 Resilient Yards	\$77,000	\$77,000	Grant (\$62,500) (TBD) Fund Balance (\$14,500)
Electric Vehicle Charging Stations	\$200,000	\$150,000	Fund Balance
Solar Proliferation Study	\$20,000	\$20,000	Fund Balance
Total Environmental Protection	\$ 2,150,026	\$ 2,100,026	

General Government

This functional area includes municipal buildings, equipment, and technology investments across all municipal departments. The proposed seven-year CIP includes an investment of \$49,206,000 for these types of expenditures.

The first year of the CIP (FY23) includes the following General Government projects totaling \$5,312,000.

Table V

**FY 2023 General Government
Capital Improvement Projects**

Item	Requested	Recommended	Source(s)
Community Broadband Network Project	\$2,300,000	\$2,300,000	Grant (TBD)
Child Care Grant	\$175,000	\$175,000	Grant (TBD)
Helping our Unhoused with Social Services, Education and Medical Assistance (HOUSEME)	\$1,300,000	\$1,300,000	Grant (TBD)
Data Center Hardware Replacement	\$355,000	\$355,000	Prior Years' CIP (\$85,000) Fund Balance (\$270,000)
Email Server Upgrade	\$55,000	\$55,000	Fund Balance
Comprehensive Plan	\$75,000	\$70,000	Fund Balance
Affordable Housing Projects Subsidy	\$1,000,000	\$1,000,000	Grant (TBD)
Mill Creek Art Installation	\$15,000	\$15,000	TIF Reserve
Ferry Service Feasibility Study	\$30,000	\$30,000	TIF Reserve
Bicycle and Pedestrian Master Plan Pt. I	\$12,000	\$12,000	Fund Balance
Total General Government	\$ 5,317,000	\$ 5,312,000	

Parks and Open Space

Historically, taxpayers have made a substantial commitment to provide parks and open space for future generations of this City. With steady growth in residential and commercial development, it is important to continue to enhance the livability and quality of life for our residents by providing access to nature through the development of urban parks and open space.

The proposed CIP includes an investment of \$3,487,000 Parks and Open Space projects over the next seven years. FY23 includes the following projects totaling \$237,000.

Table VI

**FY 2023 Parks and Open Space
Capital Improvement Projects**

Item	Requested	Recommended	Source(s)
Hinckley Park Rehabilitation	\$100,000	\$100,000	Other Reserves
¾ Ton Truck w/Plow Replacement	\$62,000	\$52,000	Fund Balance
4100D Outfront Mower (Tier 4 Emissions)	\$85,000	\$85,000	Other Reserves (\$25,000) Fund Balance (\$60,000)
Total Parks and Open Space	\$ 247,000	\$ 237,000	

Public Safety

The proposed seven-year CIP includes an investment of \$45,344,360 for Public Safety buildings and equipment. FY23 includes seven Public Safety projects totaling \$1,113,960:

Table VII

**FY 2023 Public Safety
Capital Improvement Projects**

Item	Requested	Recommended	Source(s)
Foam Pumper Engine #46	\$650,000	\$650,000	GF Reserves (\$200,000) Fund Balance (\$450,000)
Ambulance 44 and Power Stretcher	\$280,000	\$280,000	Fund Balance
Foam Trailer (500 Gallons)	\$25,000	\$25,000	GF Reserves
Service Truck (Maintenance/Snow Plow/SU Transportation)	\$53,200	\$53,200	Fund Balance
Electric Vehicle (PD)	\$52,000	\$40,000	Fund Balance
Taser Replacement	\$41,760	\$41,760	Fund Balance
Digital Storage (for Body-worn and in-car video)	\$24,000	\$24,000	Fund Balance
Total Public Safety	\$ 1,125,960	\$ 1,113,960	

Public Works and Transportation

The final major functional area is Public Works and Transportation. This includes programs and activities of the Public Works, Planning and Development, and Bus Service Departments. The proposed seven-year CIP includes an investment of \$5,269,281 for Public Works and Transportation projects. FY23 includes the following projects totaling \$525,581.

Table VIII

**FY 2023 Public Works and Transportation
Capital Improvement Project**

Item	Requested	Recommended	Source(s)
One – ¾ Ton Pick-Up Truck	\$100,000	\$50,000	Grant

Single Axle Dump Truck equipped for Winter Operations	\$220,000	\$220,000	Grant (\$121,896) Fund Balance (\$98,104)
Public Works and Parks Digital Radios	\$165,581	\$165,581	Fund Balance
Biodiesel Set-up for DPW	\$90,000	\$90,000	Fund Balance
Total Public Works and Transportation	\$ 575,581	\$ 525,581	

Intersection with Council Goals

Although the overall CIP is a seven-year plan, it is the FY23 portion that Council is committing to fund for the upcoming year. Numerous Council goals (as adopted at your March 1, 2022 meeting) have been addressed in the FY23 CIP, including:

Addressing Climate Change

- Numerous Water Resource Protection items
- Electrify Everything Program
- 100 Resilient Yards Program
- Electric Vehicle Charging Stations
- Solar Proliferation Study
- Ferry Service Feasibility Study
- Bicycle and Pedestrian Master Plan
- Outfront Mower (Tier 4 Emissions)
- Biodiesel Set-Up for Public Works
- Hinckley Park Restoration
- Police Electric Vehicle

Keeping Housing Affordable and Available

- Community Broadband Project
- Affordable Housing Projects Subsidy

Support Public Health and Human Services

- Childcare Grant Program
- HOUSEME Initiative

Unfunded Requests

This budget utilizes \$2,399,145 in undesignated fund balance to either partially or wholly fund 22 of the CIP items in FY23. This leaves our available undesignated fund balance at approximately 12% of our overall budget, which is within our policy range of 9 – 12%. In order to remain at that level, a number of requested projects were unable to be included in the FY23 plan. (Some projects were also not funded due to insufficient funds in various reserve accounts, etc.) See Table IX.

Table IX

**FY 2023 Unfunded
Capital Improvement Projects**

Community Center Roof Top HVAC	\$637,450
Upgrade City Website and Hosting Platform	\$75,000
City Phone System (Reserve)	\$20,000
Historic Architectural Review	\$12,000
File Digitization	\$48,000
Multi-Pro 5800 Foam Sprayer	\$65,000
Joint Training Facility (Fire)	\$80,000
LiveScan	\$22,000
Motorcycle Replacement	\$16,000
Transit Van	\$67,500
Sidewalk Work	\$250,000
Cash Corner Road Diet and Stormwater Improvements	\$10,000
Parking Efficiency Study	\$45,000
Tree Plan and Canopy Assessment	\$55,000
Total of Unfunded FY23 Projects	\$1,402,950

These items have been moved to the FY24 CIP so that they may be reconsidered during next year’s budget process. Some of these projects may also be able to be funded with surplus funds within a department’s operating budget at the end of FY23.

FY23-29 CIP

It is important to note that for FY23, the City has approx. \$1 million in additional General Fund Balance to put toward projects. This is because of a higher than normal fund balance for the fiscal year ending June 30, 2021. As such, we have been able to fund many more projects this year than we have in a typical year. This number will NOT repeat in FY24 – in fact, we may see a smaller fund balance than we typically do. This will be highly problematic as we already have close to \$7 million in requests that rely in whole or in part on fund balance for FY24. With only \$1.2 million likely available, most projects will remain unfunded.

The long-range CIP contemplates significant funding in the areas of Environmental Protection, General Government, and Public Safety. It is important to note that the further out a CIP goes, the less accurate it becomes. Therefore, while I have a high level of confidence that the items

appearing on the FY24 CIP sheet will closely reflect what is actually requested by departments next year, I have less confidence that the list for FY29 will resemble what Council sees six years from now. We know, for example, that major, long-term decisions still need to be made about Central Fire and the Police stations, Hamlin School, and even City Hall. In addition, we expect a number of recommendations from current and near-term studies to result in significant capital outlay requests. For example, the Willard Beach Master Plan and Wainwright Master Plan will both result in future CIP requests with large price tags, just to name a few. Therefore, what is included herein is our best understanding of current needs based on available information, but will likely change as these and other plans unfold.

Overall, the seven-year CIP is distributed across major functional areas as follows:

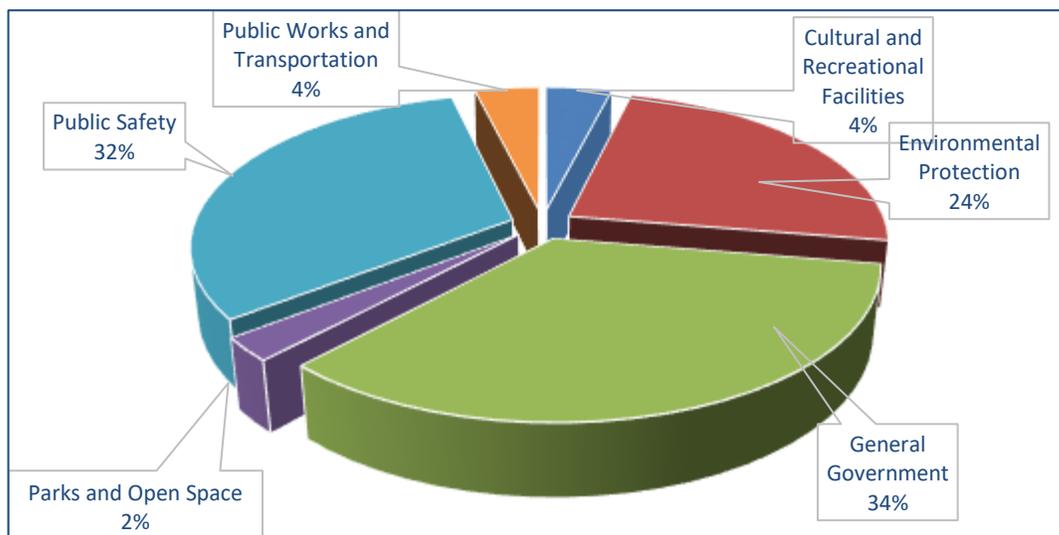
Table X

**Distribution of Capital Projects
Across Major Functional Areas
FY 2023 to FY 2029**

Cultural and Recreational Facilities	\$5,007,000
Environmental Protection	\$33,978,121
General Government	\$49,206,000
Parks and Open Space	\$3,487,000
Public Safety	\$45,344,360
Public Works and Transportation	\$5,269,281
Total	\$142,291,762

Chart X

**Distribution of Capital Projects
Across Major Functional Areas
FY 2023 to FY 2029**



The following table shows the distribution of funding sources proposed to be used to fund this seven-year CIP.

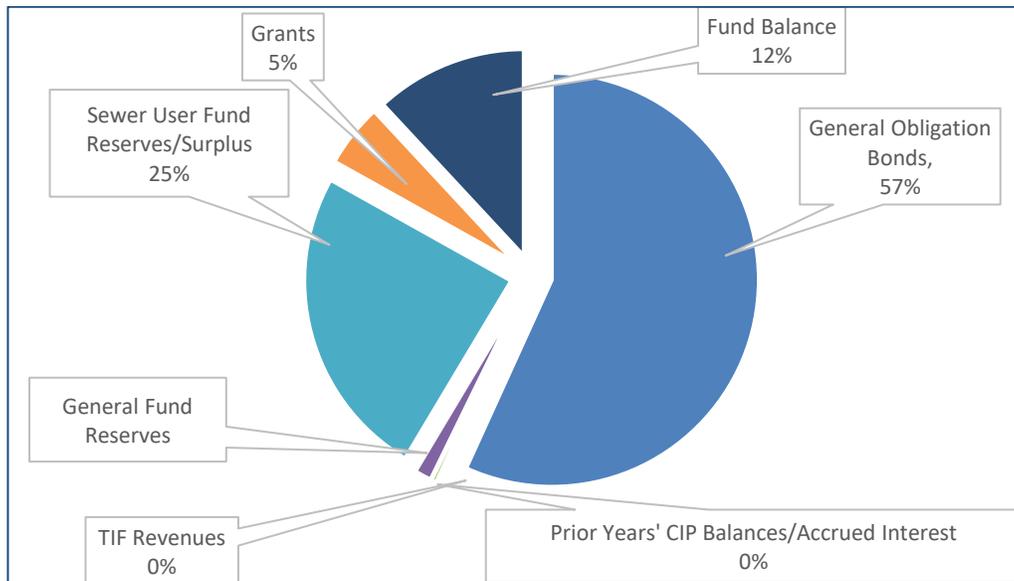
Table XI

**Distribution of Funding Sources
For Capital Improvement Spending
FY 2023 to FY 2029**

General Obligation Bonds	\$81,600,000
Prior Years' CIP Balances/Accrued Interest	\$85,000
TIF Revenues	\$545,000
General Fund Reserves	\$1,918,200
Other User Fund Reserves/Surplus	\$34,356,121
Grants	\$7,139,396
Fund Balance	\$15,648,045
Total	\$142,291,762

Chart XI

**Distribution of Funding Sources
For Capital Improvement Spending
FY 2023 to FY 2029**



Approximately 57% of the total CIP will be funded with long-term GO bonds through the City's property-tax-supported general fund. Approximately 43% will be funded through non-borrowing

sources, including user fees, state or federal grants, TIF revenues, fund balance, prior years' CIP balances/accrued interest, or on a pay-as-you-go basis through the establishment of annual contributions to reserve accounts to fund the replacement of capital infrastructure and equipment.

Educational Capital Program

The School Department has submitted its FY23 CIP in the amount of \$301,300. The supporting documents are provided in Section 5 of this CIP booklet.

Conclusion

The City Council has approved and/or completed a number of important capital improvement projects to repair, replace, or in some cases expand the quality of public facilities, infrastructure, and equipment that serve our residents, businesses, and visitors. While significant, yet not entirely known, investments loom large over the next several years, this CIP continues with South Portland's commitment to the health and safety of its inhabitants, and to improving the quality of life for those who call South Portland home.

I would like to thank Finance Director Ellen Sanborn and Deputy Finance Director Parker Madden for the numerous meetings and behind-the-scenes work that was required to transmit this proposal to Council. I would also like to give special thanks to Executive Assistant Mary Perry for compiling all of the CIP requests and ensuring all of the information was up to date and accurate.

I look forward to presenting this plan for the future to the City Council and the public at the Council meeting on April 5, 2022.

Sincerely,



Scott T. Morelli
City Manager

cc: Timothy Matheney, Superintendent of Schools
South Portland School Board (via email only)
Department Heads (via email only)
South Portland Human Rights Commission (via email only)

SECTION I

Seven-year Capital Improvement Program

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Department	Functional Area	CIP Project	Department's Requested Project Cost	Manager's Recommended Project Cost	G.O. Bonds/Lease	Prior Year's CIP Balance	TIF Reserves	General Fund Reserves/ Operating	Other Fund Reserves/ Fund Balance	Grants	General Fund Fund Balance
FY 2023 CIP REQUEST											
Facilities	Cultural & Recreational Facilities	Community Center Pool Roof	\$ 550,000	\$ 400,000					\$ 100,000		\$ 300,000
Library	Cultural & Recreational Facilities	Electrical Upgrades (Phase I)	\$ 18,000	\$ 18,000							\$ 18,000
Library	Cultural & Recreational Facilities	Bridge Rehabilitation	\$ 50,000	\$ 50,000							\$ 50,000
Recreation	Cultural & Recreational Facilities	Skatepark - Funds for Remainder of Project	\$ 125,000	\$ 85,000							\$ 85,000
Water Resource Protection	Environmental Protection	Aeration Train 1 Rehabilitation	\$ 309,800	\$ 309,800					\$ 309,800		
Water Resource Protection	Environmental Protection	Wastewater Outfall Marker Replacement	\$ 35,000	\$ 35,000					\$ 35,000		
Water Resource Protection	Environmental Protection	WWTP Electrical Upgrade Phase II Design and CA	\$ 70,910	\$ 70,910					\$ 70,910		
Water Resource Protection	Environmental Protection	Chlorination Update	\$ 300,000	\$ 300,000					\$ 300,000		
Water Resource Protection	Environmental Protection	Disinfection Drain Pump	\$ 24,819	\$ 24,819					\$ 24,819		
Water Resource Protection	Environmental Protection	2023 Sewer Lining	\$ 250,000	\$ 250,000					\$ 250,000		
Water Resource Protection	Environmental Protection	Ordinance Chapter 22 Sewers and Drains Update	\$ 20,000	\$ 20,000					\$ 20,000		
Water Resource Protection	Environmental Protection	Long Creek Pump Installation	\$ 161,455	\$ 161,455					\$ 161,455		
Water Resource Protection	Environmental Protection	Willard Beach Pump 2 VFD Replacement	\$ 24,885	\$ 24,885					\$ 24,885		
Water Resource Protection	Environmental Protection	John Roberts Pump Replacements	\$ 35,540	\$ 35,540					\$ 35,540		
Water Resource Protection	Environmental Protection	Pump Stations NFPA Violations - Design	\$ 20,000	\$ 20,000					\$ 20,000		
Water Resource Protection	Environmental Protection	Regular Cab 4x4 Pickup Truck	\$ 37,105	\$ 37,105					\$ 37,105		
Water Resource Protection	Environmental Protection	Combination Sewer Cleaner	\$ 160,479	\$ 160,479					\$ 160,479		
Water Resource Protection	Environmental Protection	14-Yard Dump Truck	\$ 48,867	\$ 48,867					\$ 48,867		
Water Resource Protection	Environmental Protection	Closed Circuit Television Inspection Van	\$ 84,166	\$ 84,166					\$ 84,166		
Economic Development	General Government	Community Broadband Network Project	\$ 2,300,000	\$ 2,300,000						\$ 2,300,000	
Economic Development	General Government	Child Care Grant	\$ 175,000	\$ 175,000						\$ 175,000	
Executive	General Government	Helping Our Unhoused with Social Services, Education and Medical Assistance (HOUSEME)	\$ 1,300,000	\$ 1,300,000						\$ 1,300,000	
Information Systems	General Government	Data Center Hardware Replacement	\$ 355,000	\$ 355,000		\$ 85,000		\$ -			\$ 270,000
Information Systems	General Government	Email Server Upgrade	\$ 55,000	\$ 55,000							\$ 55,000
Planning & Development	General Government	Mill Creek Art Installation	\$ 15,000	\$ 15,000			\$ 15,000				
Planning & Development	General Government	Affordable Housing Projects Subsidy	\$ 1,000,000	\$ 1,000,000						\$ 1,000,000	
Planning & Development	General Government	Comprehensive Plan	\$ 75,000	\$ 70,000							\$ 70,000
Parks	Parks & Open Space	Hinckley Park Rehabilitation	\$ 100,000	\$ 100,000					\$ 100,000		\$ 100,000
Parks	Parks & Open Space	3/4 Ton Truck w/pLow Replacement	\$ 62,000	\$ 52,000							\$ 52,000
Fire	Public Safety	Foam Pumper Engine #46	\$ 650,000	\$ 650,000				\$ 200,000			\$ 450,000
Fire	Public Safety	Ambulance 44 and Power Stretcher	\$ 280,000	\$ 280,000							\$ 280,000

Department	Functional Area	CIP Project	Department's Requested Project Cost	Manager's Recommended Project Cost	G.O. Bonds/Lease	Prior Year's CIP Balance	TIF Reserves	General Fund Reserves/ Operating	Other Fund Reserves/ Fund Balance	Grants	General Fund Fund Balance
Fire	Public Safety	Foam Trailer (500 Gallons)	\$ 25,000	\$ 25,000				\$ 25,000			
Police	Public Safety	Service Truck (Maintenance/Snow Plow/SU Transp.)	\$ 53,200	\$ 53,200							\$ 53,200
Police	Public Safety	Electric Mustang	\$ 52,000	\$ 40,000							\$ 40,000
Police	Public Safety	Taser Replacement	\$ 41,760	\$ 41,760							\$ 41,760
Police	Public Safety	Digital Storage (For body-worn and in-car video)	\$ 24,000	\$ 24,000							\$ 24,000
Public Works	Public Works and Transportation	One - 3/4 Ton Pick-up Truck	\$ 100,000	\$ 50,000						\$ 50,000	
Public Works	Public Works and Transportation	Single Axle Dump Truck Equipped for Winter Operations	\$ 220,000	\$ 220,000						\$ 121,896	\$ 98,104
Public Works	Public Works and Transportation	Public Works and Parks Digital Radios	\$ 165,581	\$ 165,581							\$ 165,581
Planning & Development	General Government	Ferry Service Feasibility Study	\$ 30,000	\$ 30,000			\$ 30,000				
Planning & Development	General Government	Bicycle and Pedestrian Master Plan Part I	\$ 12,000	\$ 12,000							\$ 12,000
Parks	Parks & Open Space	Parks/Golf - 4100D Outfront Mower (Tier 4 Emissions) - Replacement	\$ 85,000	\$ 85,000					\$ 25,000		\$ 60,000
Sustainability	Environmental Protection	Electrify Everything Program	\$ 270,000	\$ 270,000						\$ 270,000	
Sustainability	Environmental Protection	100 Resilient Yards	\$ 77,000	\$ 77,000						\$ 62,500	\$ 14,500
Sustainability	Environmental Protection	Electric Vehicle Charging Stations	\$ 200,000	\$ 150,000							\$ 150,000
Sustainability	Environmental Protection	Solar Proliferation Study	\$ 20,000	\$ 20,000							\$ 20,000
Public Works	Public Works and Transportation	Biodiesel Set up for DPW	\$ 90,000	\$ 90,000							\$ 90,000
		FY23 TOTAL	\$ 10,068,567	\$ 9,841,567	\$ -	\$ 85,000	\$ 45,000	\$ 225,000	\$ 1,808,026	\$ 5,279,396	\$ 2,399,145

GREEN FONT indicates Green CIP project

Department	Functional Area	CIP Project	Department's Requested Project Cost	Manager's Recommended Project Cost	G.O. Bonds/Lease	Prior Year's CIP Balance	TIF Reserves	General Fund Reserves/Operating	Other Fund Reserves/ Fund Balance	Grants	General Fund Fund Balance
FY 2024 CIP REQUEST											
Facilities	Cultural & Recreational Facilities	Community Center Roof Top HVAC	\$ 637,450	\$ -					\$ 579,500		\$ 57,950
Library	Cultural & Recreational Facilities	Main Library Parking Lot	\$ 685,500								\$ 685,500
Library	Cultural & Recreational Facilities	Main Library HVAC Controls	\$ 28,500								\$ 28,500
Library	Cultural & Recreational Facilities	Main Library Electrical Upgrades (Phase II)	\$ 140,000								\$ 140,000
Parks	Cultural & Recreational Facilities	Greenbelt Pedestrian Bridge - Final Engineering	\$ 150,000				\$ 100,000				\$ 50,000
Parks	Cultural & Recreational Facilities	Greenbelt Pedestrian Bridge Preliminary Engineering	\$ 150,000								\$ 150,000
Parks	Cultural & Recreational Facilities	Pleasantdale Greenbelt Walkway - Year Two	\$ 50,000								\$ 50,000
Parks	Cultural & Recreational Facilities	Parks - Greenbelt Pedestrian Bridge - Construction Reserve	\$ 100,000				\$ 100,000				
Recreation	Cultural & Recreational Facilities	Wainwright - Rehab Baseball #2	\$ 150,000								\$ 150,000
Recreation	Cultural & Recreational Facilities	Curbing at Community Center - Nelson Road	\$ 20,000								\$ 20,000
Recreation	Cultural & Recreational Facilities	Community Center Parking Lot Re-surfacing - Nelson Road	\$ 40,000								\$ 40,000
Water Resource Protection	Environmental Protection	Main Pump Station Wall Repair	\$ 54,000						\$ 54,000		
Water Resource Protection	Environmental Protection	Operations Building Design HVAC Upgrade	\$ 34,950						\$ 34,950		
Water Resource Protection	Environmental Protection	Disinfection Pump Replacement WATER CHAMPS	\$ 37,918						\$ 37,918		
Water Resource Protection	Environmental Protection	Main Pump Station Boiler	\$ 60,000						\$ 60,000		
Water Resource Protection	Environmental Protection	Facility Plan Update	\$ 40,000						\$ 40,000		
Water Resource Protection	Environmental Protection	Willard Beach NFPA Arc Flash Violations Project	\$ 284,000						\$ 284,000		
Water Resource Protection	Environmental Protection	Pearl Street PS Replacement-Design and Construction`	\$ 14,400,000						\$ 14,400,000		
Water Resource Protection	Environmental Protection	Unit #12 Yr 3 Combination Sewer Cleaner	\$ 160,478						\$ 160,478		
Water Resource Protection	Environmental Protection	Unit #13 Yr. 2 CCTV Van Replacement	\$ 84,166						\$ 84,166		
Water Resource Protection	Environmental Protection	Unit #17 Yr.3 14 Yard Dump Truck Replacement	\$ 48,867						\$ 48,867		
Water Resource Protection	Environmental Protection	Dewatering System Replacement Design	\$ 300,000						\$ 300,000		
Water Resource Protection	Environmental Protection	Unit #11 1-Ton Dump Truck Replacement	\$ 55,000						\$ 55,000		
City Clerk Facilities	General Government	Upgrade City Website and Hosting	\$ 75,000	\$ -					\$ 75,000		\$ 75,000
Facilities	General Government	Design/Engineering for New City Auto Scrubber, Carpet Cleaners	\$ 2,500,000						\$ 2,500,000		\$ 2,500,000
Information Systems	General Government	City Phone System	\$ 20,000	\$ -					\$ 20,000		\$ 20,000
Information Systems	General Government	Email Server Upgrade	\$ 145,000						\$ 145,000		\$ 145,000
Information Systems	General Government	Network Switching Upgrade	\$ 150,000					\$ 30,000	\$ 120,000		\$ 120,000
Information Systems	General Government	City Phone Systems	\$ 70,000					\$ 25,000	\$ 45,000		\$ 45,000
Information Systems	General Government	Computer Reserve	\$ 15,000						\$ 15,000		\$ 15,000
Planning & Development	General Government	Historic Architectural Review	\$ 12,000	\$ -					\$ 12,000		\$ 12,000
Planning & Development	General Government	File Digitization	\$ 48,000	\$ -					\$ 48,000		\$ 48,000
Planning & Development	General Government	Cash Corner Road Diet and Stormwater Improvements	\$ 10,000	\$ -					\$ 10,000		\$ 10,000

Department	Functional Area	CIP Project	Department's Requested Project Cost	Manager's Recommended Project Cost	G.O. Bonds/Lease	Prior Year's CIP Balance	TIF Reserves	General Fund Reserves/ Operating	Other Fund Reserves/ Fund Balance	Grants	General Fund Fund Balance
Parks	Parks & Open Space	Multi Pro 5800 Foam Sprayer	\$ 65,000	\$ -							\$ 65,000
Parks	Parks & Open Space	Shockwave Aerator	\$ 25,000								\$ 25,000
Parks	Parks & Open Space	Hinckley Park Rehabilitation - Phase	\$ 100,000								\$ 100,000
Parks	Parks & Open Space	Willard Beach Improvements - Per	\$ 500,000								\$ 500,000
Parks	Parks & Open Space	Workman GTX Electric Utility Cart	\$ 30,000								\$ 30,000
Parks	Parks & Open Space	Tractor Replacement	\$ 75,000								\$ 75,000
Parks	Parks & Open Space	Bug Light Park Master Plan	\$ 60,000								\$ 60,000
Parks	Parks & Open Space	Truck Replacement	\$ 60,000								\$ 60,000
Parks	Parks & Open Space	Bug Light Community Access Station	\$ 150,000					\$ 50,000			\$ 100,000
Parks	Parks & Open Space	Water Truck Replacement	\$ 70,000								\$ 70,000
Fire	Public Safety	Joint Training Facility (\$165,000) EX23 request	\$ 80,000	\$ -					\$ 80,000		\$ -
Fire	Public Safety	Joint Training Facility (\$165,000)	\$ 85,000					\$ 85,000			
Fire	Public Safety	Replacement For Marine 48	\$ 250,000					\$ 250,000			
Fire	Public Safety	Paving Western Ave Ramp /Parking	\$ 25,000					\$ 25,000			
Fire	Public Safety	Counters	\$ 7,500					\$ 7,500			
Fire	Public Safety	Service Truck - One Ton ST-410	\$ 50,000								\$ 50,000
Fire	Public Safety	Mini Pumper (Replace E-42/Sq 44)	\$ 250,000					\$ 250,000			
Fire	Public Safety	Defibrillator	\$ 37,000					\$ 37,000			
Fire	Public Safety	Tactical Body Armor Replacement	\$ 30,000								\$ 30,000
Police	Public Safety	LiveScan	\$ 22,000	\$ -							\$ 22,000
Police	Public Safety	Motorcycle Replacement	\$ 16,000	\$ -							\$ 16,000
Police	Public Safety	Transit Van	\$ 67,500	\$ -							\$ 67,500
Police	Public Safety	Computer Replacement - Mobile	\$ 60,000								\$ 60,000
Police	Public Safety	Specialty Equipment Truck (for tactical and dive equipment)	\$ 60,100								\$ 60,100
Police	Public Safety	Parking Lot Paving	\$ 60,000								\$ 60,000
Police	Public Safety	Interior Remodeling	\$ 50,000								\$ 50,000
Police	Public Safety	Digital Archive System	\$ 15,000								\$ 15,000
Police	Public Safety	Taser Replacement	\$ 41,760								\$ 41,760
Police	Public Safety	Digital De-Escalation Video System	\$ 50,000								\$ 50,000
Police	Public Safety	Crisis Negotiators Communications	\$ 20,000								\$ 20,000
Police	Public Safety	Garage	\$ 45,000								\$ 45,000
Police	Public Safety	Electrical Circuitry Identification and Panel Updates	\$ 12,000								\$ 12,000
Police	Public Safety	Regional Crime Lab	\$ 12,000								\$ 12,000
Public Works	Public Works and Transportation	Sidewalk Work	\$ 250,000	\$ 0					\$ 250,000		\$ 0
Public Works	Public Works and Transportation	Director Vehicle	\$ 55,000							\$ 55,000	
Public Works	Public Works and Transportation	Sidewalk Tractor	\$ 150,000							\$ 150,000	
Public Works	Public Works and Transportation	Single Axle Dump	\$ 220,000						\$ 220,000		
Public Works	Public Works and Transportation	PACTS Match Lincoln St MUP	\$ 189,700					\$ 189,700			
Public Works	Public Works and Transportation	PACTS Match Millereek/PACTS Improvements	\$ 90,000					\$ 90,000			
Public Works	Public Works and Transportation	PACTS Match Cottage Rd Mill and Fill	\$ 174,000					\$ 174,000			
Public Works	Public Works and Transportation	Sidewalk Program	\$ 500,000						\$ 500,000		
Recreation	Cultural & Recreational Facilities	EV Suv	\$ 40,000								\$ 40,000
Recreation	Cultural & Recreational Facilities	Electric Passenger Van	\$ 60,000								\$ 60,000

Department	Functional Area	CIP Project	Department's Requested Project Cost	Manager's Recommended Project Cost	G.O. Bonds/Lease	Prior Year's CIP Balance	TIF Reserves	General Fund Reserves/ Operating	Other Fund Reserves/ Fund Balance	Grants	General Fund Fund Balance
Sustainability	Environmental Protection	Renewable Municipal Electricity	\$ 1,600,000		\$ 1,600,000						
Sustainability	Environmental Protection	Net-Zero Energy New City Buildings	\$ 25,000								\$ 25,000
Sustainability	Environmental Protection	Internal Carbon Pricing for Municipal Construction and	\$ 25,000								\$ 25,000
Sustainability	Environmental Protection	Energy Efficient Rental Housing	\$ 25,000							\$ 40,000	\$ 25,000
Sustainability	Environmental Protection	Pay-As-You-Throw	\$ 500,000						\$ 460,000		\$ 460,000
Sustainability	Environmental Protection	Sustainable Purchasing Policy	\$ 25,000								\$ 25,000
Sustainability	Environmental Protection	Resilient Open Space Planning	\$ 45,000								\$ 45,000
Sustainability	Environmental Protection	Neighborhood Resources	\$ 50,000								\$ 50,000
Planning & Development	General Government	Parking Efficiency Study	\$ 45,000	\$ -			\$ 20,000				\$ 25,000
Parks	Parks & Open Space	Tree Plan and Canopy Assessment	\$ 55,000	\$ -							\$ 55,000
		FY24 TOTAL	\$ 27,380,389	\$ -	\$ 1,600,000	\$ -	\$ 220,000	\$ 1,213,200	\$ 17,188,879	\$ 245,000	\$ 6,913,310

Please note: **GREEN** font indicates a Green CIP project; items shaded in **ORANGE** were originally requested in the FY23 CIP but were moved due to insufficient funds in some accounts.

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Department	Functional Area	CIP Project	Department's Requested Project Cost	Manager's Recommended Project Cost	G.O. Bonds/Lease	Prior Year's CIP Balance	TIF Reserves	General Fund Reserves/ Operating	Other Fund Reserves/ Fund Balance	Grants	General Fund Fund Balance
FY 2025 CIP REQUEST											
Parks	Cultural & Recreational Facilities	Greenbelt Pedestrian Bridge - Construction Reserve	\$ 100,000				\$ 100,000				
Recreation	Cultural & Recreational Facilities	Wainwright Infrastructure/Field Rehab	\$ 250,000								\$ 250,000
Recreation	Cultural & Recreational Facilities	High School Track - Resurfacing	\$ 60,000								\$ 60,000
Recreation	Cultural & Recreational Facilities	Recreation - Community Center Walking Track Rehab	\$ 55,000								\$ 55,000
Recreation	Cultural & Recreational Facilities	Recreation - Redbank Community Center - Repaving Parking Lot	\$ 45,000								\$ 45,000
Water Resource Protection	Environmental Protection	Operations Building HVAC Upgrade	\$ 314,550						\$ 314,550		
Water Resource Protection	Environmental Protection	Treatment Plant Brick Repointing and Window Replacement	\$ 450,000						\$ 450,000		
Water Resource Protection	Environmental Protection	Valve Replacement Package RAS Check and Septage Punch	\$ 75,000						\$ 75,000		
Water Resource Protection	Environmental Protection	Dewatering System Replacement	\$ 3,500,000						\$ 3,500,000		
Water Resource Protection	Environmental Protection	Headworks Odor Control Design	\$ 28,000						\$ 28,000		
Water Resource Protection	Environmental Protection	Holding Tank Odor Control Design	\$ 137,000						\$ 137,000		
Water Resource Protection	Environmental Protection	Preliminary Treatment (Grit and Screenings) Design	\$ 143,000						\$ 143,000		
Water Resource Protection	Environmental Protection	Treatment Plant Dewatering Odor Control Design	\$ 80,000						\$ 80,000		
Water Resource Protection	Environmental Protection	Unit # 4 4x4 Plow Truck Replacement	\$ 50,000						\$ 50,000		
Water Resource Protection	Environmental Protection	Unit #13 Yr. 3 CCTV Van Replacement	\$ 84,166						\$ 84,166		
Water Resource Protection	Environmental Protection	Unit #10 Utility Truck Replacement	\$ 55,000						\$ 55,000		
Facilities	General Government	Construction of New Facilities	\$ 40,000,000		\$ 40,000,000						\$ 40,000
Facilities	General Government	Pick-up Truck	\$ 40,000								\$ 40,000
Information Systems	General Government	Disaster Recovery Site	\$ 100,000								\$ 100,000
Information Systems	General Government	Document Archiving Solutions	\$ 22,000								\$ 22,000
Information Systems	General Government	City Phone Systems	\$ 100,000					\$ 50,000			\$ 50,000
Information Systems	General Government	Computer Reserve	\$ 12,000								\$ 12,000
Sustainability	General Government	Strategic Energy Management Plan (building audits)	\$ 100,000								\$ 100,000
Sustainability	General Government	Development of building performance standards (add to Program to reduce plastics at retailer and food establishments)	\$ 45,000								\$ 45,000
Sustainability	General Government	Program to reduce plastics at retailer and food establishments	\$ 40,000							\$ 15,000	\$ 25,000
Sustainability	General Government	Circular economy study	\$ 25,000							\$ 15,000	\$ 10,000
Sustainability	General Government	Program to reduce municipal staff SUV trips	\$ 15,000								\$ 15,000
Sustainability	General Government	Resilient building retrofits toolkit	\$ 45,000								\$ 45,000
Sustainability	General Government	Neighborhood Resource Hubs - Costs TBD									
Parks	Parks & Open Space	Bucket Truck Replacement	\$ 150,000								\$ 150,000
Parks	Parks & Open Space	Willard Beach Improvements - Per	\$ 500,000								\$ 500,000
Parks	Parks & Open Space	Hinckley Park Rehabilitation - Phase	\$ 100,000								\$ 100,000
Parks	Parks & Open Space	New Boat Ramp Attendant Building	\$ 100,000								\$ 100,000
Parks	Parks & Open Space	Hardscape Under Benches Bug Light and Fishermans Point	\$ 20,000								\$ 20,000
Fire	Public Safety	Fire - Service Truck PM-402 (One)	\$ 50,000					\$ 50,000			\$ -
Fire	Public Safety	Central Station/ PD	\$ 40,000,000		\$ 40,000,000						\$ -
Fire	Public Safety	Command Vehicle Car 49	\$ 55,000								\$ 55,000
Police	Public Safety	Regional Crime Lab	\$ 12,000								\$ 12,000
Police	Public Safety	Binocular Night Vision Equipment	\$ 85,000								\$ 85,000

Department	Functional Area	CIP Project	Department's Requested Project Cost	Manager's Recommended Project Cost	G.O. Bonds/Lease	Prior Year's CIP Balance	TIF Reserves	General Fund Reserves/ Operating	Other Fund Reserves/ Fund Balance	Grants	General Fund Fund Balance
Police	Public Safety	Indoor Firearms Range	\$ 100,000								\$ 100,000
Police	Public Safety	Animal Control Vehicle	\$ 40,000								\$ 40,000
Police	Public Safety	Taser Replacement	\$ 41,760								\$ 41,760
Police	Public Safety	Electronic Sign	\$ 30,000								\$ 30,000
Police	Public Safety	Motorcycle Replacement	\$ 20,000								\$ 20,000
Police	Public Safety	Computer Replacement - Offices	\$ 60,000								\$ 60,000
Public Works	Public Works and Transportation	Sidewalk Program	\$ 150,000								\$ 150,000
Public Works	Public Works and Transportation	Service Truck	\$ 80,000							\$ 80,000	
Public Works	Public Works and Transportation	Dump Truck	\$ 180,000							\$ 180,000	
Parks	Parks & Open Space	Truck Replacement (Electric)	\$ 60,000								\$ 60,000
		FY25 TOTAL	\$ 87,804,476	\$ -	\$ 80,000,000	\$ -	\$ 100,000	\$ 100,000	\$ 4,916,716	\$ 290,000	\$ 2,397,760

Department	Functional Area	CIP Project	Department's Requested Project Cost	Manager's Recommended Project Cost	G.O. Bonds/Lease	Prior Year's CIP Balance	TIF Reserves	General Fund Reserves/ Operating	Other Fund Reserves/ Fund Balance	Grants	General Fund Fund Balance
FY 2026 CIP REQUEST											
Parks	Cultural & Recreational Facilities	Greenbelt Pedestrian Bridge - Construction Reserve	\$ 100,000				\$ 100,000				
Recreation	Cultural & Recreational Facilities	Wainwright Infrastructure/Field Rehab	\$ 250,000								\$ 250,000
Recreation	Cultural & Recreational Facilities	SPCC - Storage Addition	\$ 500,000								\$ 500,000
Water Resource Protection	Environmental Protection	Holding Tank Odor Control	\$ 550,000						\$ 550,000		
Water Resource Protection	Environmental Protection	Headworks Odor Control	\$ 315,000						\$ 315,000		
Water Resource Protection	Environmental Protection	Treatment Plant - Biological Nutrient Removal Design	\$ 100,000						\$ 100,000		
Water Resource Protection	Environmental Protection	Preliminary Treatment (Grit and Screenings)	\$ 314,000						\$ 314,000		
Water Resource Protection	Environmental Protection	Unit #14 Catchbasin Cleaner Truck Replace	\$ 150,000						\$ 150,000		
Water Resource Protection	Environmental Protection	Unit # 7 Pump Div. Utility Truck Replace	\$ 75,000						\$ 75,000		
Water Resource Protection	Environmental Protection	Unit #19 Front-end Loader Replacement	\$ 175,000						\$ 175,000		
Water Resource Protection	Environmental Protection	Unit #18 GMC Upland SUV Replace	\$ 45,000						\$ 45,000		
Information Systems	General Government	Computer Reserve	\$ 25,000								\$ 25,000
Information Systems	General Government	Data Center Hardware Replacement	\$ 100,000								\$ 100,000
Information Systems	General Government	E- Mail System	\$ 100,000								\$ 100,000
Parks	Parks & Open Space	O'Neil Street Park Playground	\$ 100,000								\$ 100,000
Parks	Parks & Open Space	Hinckley Park Rehabilitation - Phase	\$ 100,000								\$ 100,000
Parks	Parks & Open Space	Willard Beach Improvements - Per	\$ 500,000								\$ 500,000
Fire	Public Safety	1/2 Ton Pick-up Car 45	\$ 60,000					\$ 60,000			\$ -
Fire	Public Safety	Engine 41	\$ 650,000						\$ 650,000		\$ -
Police	Public Safety	Defibrillator	\$ 40,000								\$ 40,000
Police	Public Safety	Regional Crime Lab	\$ 12,000								\$ 12,000
Police	Public Safety	Taser Replacement	\$ 41,760								\$ 41,760
Police	Public Safety	Body Armor Replacement Tactical	\$ 40,000								\$ 40,000
Public Works	Public Works and Transportation	Sidewalk Program	\$ 200,000								\$ 200,000
Public Works	Public Works and Transportation	Loader	\$ 275,000							\$ 275,000	
Public Works	Public Works and Transportation	Dump Truck	\$ 180,000							\$ 180,000	
Parks	Parks & Open Space	Truck Replacement (Electric)	\$ 60,000								\$ 60,000
Parks	Parks & Open Space	4100D Outfront Mower (Tier 4 Emissions) - replacement	\$ 80,000								\$ 80,000
		FY26 TOTAL	\$ 5,137,760	\$ -	\$ -	\$ -	\$ 100,000	\$ 60,000	\$ 2,374,000	\$ 455,000	\$ 2,148,760

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Department	Functional Area	CIP Project	Department's Requested Project Cost	Manager's Recommended Project Cost	G.O. Bonds/Lease	Prior Year's CIP Balance	TIF Reserves	General Fund Reserves/ Operating	Other Fund Reserves/ Fund Balance	Grants	General Fund Fund Balance
FY2027 CIP REQUEST											
Parks	Cultural & Recreational Facilities	Greenbelt Pedestrian Bridge - Construction Reserve	\$ 100,000				\$ 100,000				
Recreation	Cultural & Recreational Facilities	Wainwright Maintenance Building Expansion	\$ 250,000								\$ 250,000
Water Resource Protection	Environmental Protection	Treatment Plant - Biological Nutrient Removal	\$ 5,400,000						\$ 5,400,000		
Water Resource Protection	Environmental Protection	Plant Water System Design	\$ 250,000						\$ 250,000		
Water Resource Protection	Environmental Protection	Water Resource Protection - Unit #30 - Portable Air Compressor	\$ 15,000						\$ 15,000		
Water Resource Protection	Environmental Protection	Treatment Plant Dewatering Odor Control	\$ 290,000						\$ 290,000		
Water Resource Protection	Environmental Protection	Unit # 25 Excavator Replacement	\$ 175,000						\$ 175,000		
Water Resource Protection	Environmental Protection	Unit # 8 4x4 Pickup Replacement	\$ 35,000						\$ 35,000		
Water Resource Protection	Environmental Protection	Unit # 21 Engineer 4x4 Truck Replacement	\$ 35,000						\$ 35,000		
Information Systems	General Government	Computer Reserve	\$ 25,000								\$ 25,000
Information Systems	General Government	Data Center Hardware Replacement	\$ 100,000								\$ 100,000
Information Systems	General Government	E-Mail System	\$ 100,000								\$ 100,000
Parks	Parks & Open Space	Hinckley Park Rehabilitation - Phase	\$ 100,000								\$ 100,000
Parks	Parks & Open Space	Toro Outerross	\$ 110,000								\$ 110,000
Parks	Parks & Open Space	Snowrator - 1 Unit	\$ 20,000								\$ 20,000
Fire	Public Safety	Ambulance 43 and Power Stretcher	\$ 300,000						\$ 300,000		
Fire	Public Safety	Gator 1 Replacement	\$ 25,000						\$ 25,000		
Police and Fire	Public Safety	Stand-by - Generator	\$ 150,000								\$ 150,000
Police	Public Safety	Regional Crime Lab	\$ 12,000								\$ 12,000
Police	Public Safety	Taser Replacement	\$ 41,760								\$ 41,760
Police	Public Safety	GPS Vehicle Pre-emption Emitters	\$ 65,000								\$ 65,000
Police	Public Safety	Armored Vehicle Replacement	\$ 350,000								\$ 350,000
Public Works	Public Works and Transportation	Sidewalk Program	\$ 250,000								\$ 250,000
Public Works	Public Works and Transportation	Front End Loader	\$ 250,000							\$ 250,000	
Public Works	Public Works and Transportation	Sidewalk Plow	\$ 150,000								\$ 150,000
Public Works	Public Works and Transportation	One-ton Truck	\$ 85,000							\$ 85,000	
Parks	Parks & Open Space	Truck Replacement (Electric)	\$ 60,000								\$ 60,000
		FY27 TOTAL	\$ 8,743,760	\$ -	\$ -	\$ -	\$ 100,000	\$ -	\$ 6,525,000	\$ 335,000	\$ 1,783,760

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Department	Functional Area	CIP Project	Department's Requested Project Cost	Manager's Recommended Project Cost	G.O. Bonds/Lease	Prior Year's CIP Balance	TIF Reserves	General Fund Reserves/ Operating	Other Fund Reserves/ Fund Balance	Grants	General Fund Fund Balance
FY2028 CIP REQUEST											
Parks	Cultural & Recreational Facilities	Redbank Community Center - Storage Addition	\$ 500,000								\$ 500,000
Recreation	Cultural & Recreational Facilities	Wainwright Infrastructure/Field Rehab	\$ 250,000								\$ 250,000
Water Resource Protection	Environmental Protection	Underground Return Sludge Pipe Assessment	\$ 115,000						\$ 115,000		
Water Resource Protection	Environmental Protection	Secondary Upgrade BNR Study	\$ 143,000						\$ 143,000		
Water Resource Protection	Environmental Protection	Unit #19 Front End Loader Replacement	\$ 175,000						\$ 175,000		
Water Resource Protection	Environmental Protection	Unit #2 Compliance Div. Replacement Van	\$ 30,000						\$ 30,000		
Water Resource Protection	Environmental Protection	Unit #30 Portable Air Compressor	\$ 30,000						\$ 30,000		
Fire	Public Safety	Ladder 41 (Buy Something Used)	\$ 200,000						\$ 200,000		
Fire	Public Safety	Defibrillator	\$ 40,000								\$ 40,000
Police	Public Safety	Regional Crime Lab	\$ 12,000								\$ 12,000
Police	Public Safety	Body Armor Replacement	\$ 40,000					\$ 20,000		\$ 20,000	\$ -
Police	Public Safety	Taser Replacement	\$ 41,760								\$ 41,760
Police	Public Safety	Patrol Rifle Replacement	\$ 75,000								\$ 75,000
Police	Public Safety	Body Camera Replacement	\$ 60,000								\$ 60,000
Public Works	Public Works and Transportation	Sidewalk Program	\$ 250,000						\$ 250,000		
Public Works	Public Works and Transportation	Sweeper	\$ 300,000					\$ 300,000			
Public Works	Public Works and Transportation	Dump Truck	\$ 220,000							\$ 220,000	
Recreation	Cultural & Recreational Facilities	EV Suv	\$ 50,000								\$ 50,000
Parks	Parks & Open Space	Truck Replacement (Electric)	\$ 60,000								\$ 60,000
		FY28 TOTAL	\$ 2,591,760	\$ -	\$ -	\$ -	\$ -	\$ 320,000	\$ 943,000	\$ 240,000	\$ 1,088,760

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Department	Functional Area	CIP Project	Department's Requested Project Cost	Manager's Recommended Project Cost	G.O. Bonds/Lease	Prior Year's CIP Balance	TIF Reserves	General Fund Reserves/ Operating	Other Fund Reserves/ Fund Balance	Grants	General Fund Fund Balance
FY2029 CIP REQUEST											
Parks	Cultural & Recreational Facilities	Curbing at Community Center - Nelson Road	\$ 30,000								\$ 30,000
Parks	Cultural & Recreational Facilities	Community Center Parking Lot Re-surfacing - Nelson Road	\$ 50,000								\$ 50,000
Recreation	Cultural & Recreational Facilities	Wainwright Infrastructure/Field Rehab	\$ 250,000								\$ 250,000
Fire	Public Safety	Ambulance 42 and Power Stretcher	\$ 320,000						\$ 320,000		
Water Resource Protection	Environmental Protection	Plant Water System Upgrade	\$ 450,000						\$ 450,000		
Water Resource Protection	Environmental Protection	Unit # 16 Grit Dumpster Truck Replacement	\$ 150,000						\$ 150,000		
Water Resource Protection	Environmental Protection	Unit # 30 Skid Steer Replacement	\$ 55,000						\$ 55,000		
Water Resource Protection	Environmental Protection	Unit # 22 50,000 lb Construction Trailer	\$ 35,000						\$ 35,000		
Public Works	Public Works and Transportation	Dump Truck	\$ 220,000							\$ 220,000	
Public Works	Public Works and Transportation	Sidewalk Program	\$ 500,000						\$ 500,000		
Public Works	Public Works and Transportation	Sign Truck	\$ 75,000							\$ 75,000	
Parks	Parks & Open Space	Truck Replacement (Electric)	\$ 60,000								\$ 60,000
		FY29 TOTAL	\$ 2,195,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,510,000	\$ 295,000	\$ 390,000

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Department	Functional Area	CIP Project	Department's Requested Project Cost	Manager's Recommended Project Cost	G.O. Bonds/Lease	Prior Year's CIP Balance	TIF Reserves	General Fund Reserves/ Operating	Other Fund Reserves/ Fund Balance	Grants	General Fund Fund Balance
		FY 2023 Capital Improvement Plan	\$ 10,158,567	\$ 9,841,567	\$ -	\$ 85,000	\$ 45,000	\$ 225,000	\$ 1,808,026	\$ 5,279,396	\$ 2,399,145
		FY2024 Capital Improvement Plan	\$ 27,380,389	\$ 27,380,389	\$ 1,600,000	\$ -	\$ 220,000	\$ 1,213,200	\$ 17,188,879	\$ 245,000	\$ 6,913,310
		FY2025 Capital Improvement Plan	\$ 87,804,476	\$ 87,804,476	\$ 80,000,000	\$ -	\$ 100,000	\$ 100,000	\$ 4,916,716	\$ 290,000	\$ 2,397,760
		FY2026 Capital Improvement Plan	\$ 5,137,760	\$ 5,137,760	\$ -	\$ -	\$ 100,000	\$ 60,000	\$ 2,374,000	\$ 455,000	\$ 2,148,760
		FY2027 Capital Improvement Plan	\$ 8,743,760	\$ 8,743,760	\$ -	\$ -	\$ 100,000	\$ -	\$ 6,525,000	\$ 335,000	\$ 1,783,760
		FY2028 Capital Improvement Plan	\$ 2,591,760	\$ 2,591,760	\$ -	\$ -	\$ -	\$ 320,000	\$ 943,000	\$ 240,000	\$ 1,088,760
		FY2029 Capital Improvement Plan	\$ 2,195,000	\$ 2,195,000	\$ -	\$ -	\$ -	\$ -	\$ 1,510,000	\$ 295,000	\$ 390,000
		GRAND TOTAL FY23-29	\$ 144,011,712	\$ 143,694,712	\$ 81,600,000	\$ 85,000	\$ 565,000	\$ 1,918,200	\$ 35,265,621	\$ 7,139,396	\$ 17,121,495

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Year	Department	Functional Area	CIP Project	Departments Requested Project Cost	Manager's Recommended Project Cost	G.O. Bonds	Prior Year's CIP Balance	TIF Reserves	General Fund Reserves/ Operating	Other Fund Reserves/ Fund Balance	Grants	General Fund Fund Balance
2023	Facilities	Cultural & Recreational Facilities	Community Center Pool Roof	\$ 550,000	\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ -	\$ 300,000
2023	Library	Cultural & Recreational Facilities	Electrical Upgrades (Phase I)	\$ 18,000	\$ 18,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,000
2023	Library	Cultural & Recreational Facilities	Bridge Rehabilitation	\$ 50,000	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000
2023	Recreation	Cultural & Recreational Facilities	Skatepark - Funds for Remainder of Project	\$ 125,000	\$ 85,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 85,000
2024	Facilities	Cultural & Recreational Facilities	Community Center Roof Top HVAC	\$ 637,450	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 579,500	\$ -	\$ 57,950
2024	Library	Cultural & Recreational Facilities	Main Library Parking Lot	\$ 685,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 685,500
2024	Library	Cultural & Recreational Facilities	Main Library HVAC Controls	\$ 28,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 28,500
2024	Library	Cultural & Recreational Facilities	Main Library Electrical Upgrades (Phase II)	\$ 140,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 140,000
2024	Parks	Cultural & Recreational Facilities	Greenbelt Pedestrian Bridge - Final Engineering	\$ 150,000	\$ -	\$ -	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ 50,000
2024	Parks	Cultural & Recreational Facilities	Greenbelt Pedestrian Bridge Preliminary Engineering	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000
2024	Parks	Cultural & Recreational Facilities	Pleasantdale Greenbelt Walkway - Year Two	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000
2024	Parks	Cultural & Recreational Facilities	Pedestrian Bridge - Construction Reserve	\$ 100,000	\$ -	\$ -	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -
2024	Recreation	Cultural & Recreational Facilities	Wainwright - Rehab Baseball #2	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000
2024	Recreation	Cultural & Recreational Facilities	Curbing at Community Center - Nelson Road	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,000
2024	Recreation	Cultural & Recreational Facilities	Parking Lot Re-surfacing - Nelson Road	\$ 40,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,000
2024	Recreation	Cultural & Recreational Facilities	EV Suv	\$ 40,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,000
2024	Recreation	Cultural & Recreational Facilities	Electric Passenger Van	\$ 60,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 60,000

Year	Department	Functional Area	CIP Project	Departments Requested Project Cost	Manager's Recommended Project Cost	G.O. Bonds	Prior Year's CIP Balance	TIF Reserves	General Fund Reserves/ Operating	Other Fund Reserves/ Fund Balance	Grants	General Fund Fund Balance
2023	Water Resource Protection	Environmental Protection	Aeration Train 1 Rehabilitation	\$ 309,800	\$ 309,800	\$ -	\$ -	\$ -	\$ -	\$ 309,800	\$ -	\$ -
2023	Water Resource Protection	Environmental Protection	Wastewater Outfall Marker Replacement	\$ 35,000	\$ 35,000	\$ -	\$ -	\$ -	\$ -	\$ 35,000	\$ -	\$ -
2023	Water Resource Protection	Environmental Protection	WWTF Electrical Upgrade Phase II Design and CA	\$ 70,910	\$ 70,910	\$ -	\$ -	\$ -	\$ -	\$ 70,910	\$ -	\$ -
2023	Water Resource Protection	Environmental Protection	Chlorination Update	\$ 300,000	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ -	\$ -
2023	Water Resource Protection	Environmental Protection	Disinfection Drain Pump	\$ 24,819	\$ 24,819	\$ -	\$ -	\$ -	\$ -	\$ 24,819	\$ -	\$ -
2023	Water Resource Protection	Environmental Protection	2023 Sewer Lining	\$ 250,000	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ -	\$ -
2023	Water Resource Protection	Environmental Protection	Ordinance Chapter 22 Sewers and Drains Update	\$ 20,000	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ 20,000	\$ -	\$ -
2023	Water Resource Protection	Environmental Protection	Long Creek Pump Installation	\$ 161,455	\$ 161,455	\$ -	\$ -	\$ -	\$ -	\$ 161,455	\$ -	\$ -
2023	Water Resource Protection	Environmental Protection	Willard Beach Pump 2 VFD Replacement	\$ 24,885	\$ 24,885	\$ -	\$ -	\$ -	\$ -	\$ 24,885	\$ -	\$ -
2023	Water Resource Protection	Environmental Protection	John Roberts Pump Replacements	\$ 35,540	\$ 35,540	\$ -	\$ -	\$ -	\$ -	\$ 35,540	\$ -	\$ -
2023	Water Resource Protection	Environmental Protection	Pump Stations NPPA Violations - Design	\$ 20,000	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ 20,000	\$ -	\$ -
2023	Water Resource Protection	Environmental Protection	Regular Cab 4x4 Pickup Truck	\$ 37,105	\$ 37,105	\$ -	\$ -	\$ -	\$ -	\$ 37,105	\$ -	\$ -
2023	Water Resource Protection	Environmental Protection	Combination Sewer Cleaner	\$ 160,479	\$ 160,479	\$ -	\$ -	\$ -	\$ -	\$ 160,479	\$ -	\$ -
2023	Water Resource Protection	Environmental Protection	14-Yard Dump Truck	\$ 48,867	\$ 48,867	\$ -	\$ -	\$ -	\$ -	\$ 48,867	\$ -	\$ -
2023	Water Resource Protection	Environmental Protection	Closed Circuit Television Inspection Van	\$ 84,166	\$ 84,166	\$ -	\$ -	\$ -	\$ -	\$ 84,166	\$ -	\$ -

2023	Sustainability	Environmental Protection	Electrify Everything Program	\$	270,000	\$	270,000	\$	-	\$	-	\$	-	\$	270,000	\$	-
2023	Sustainability	Environmental Protection	100 Resilient Yards Electric Vehicle Charging Stations	\$	77,000	\$	77,000	\$	-	\$	-	\$	-	\$	62,500	\$	14,500
2023	Sustainability	Environmental Protection	Solar Proliferation Study	\$	200,000	\$	150,000	\$	-	\$	-	\$	-	\$	-	\$	150,000
2023	Sustainability	Environmental Protection	Main Pump Station Wall Repair	\$	20,000	\$	20,000	\$	-	\$	-	\$	-	\$	-	\$	20,000
2024	Water Resource Protection	Environmental Protection	Operations Building Design HVAC Upgrade	\$	54,000	\$	-	\$	-	\$	-	\$	-	\$	54,000	\$	-
2024	Water Resource Protection	Environmental Protection	Disinfection Pump Replacement WATER CHAMPS	\$	34,950	\$	-	\$	-	\$	-	\$	-	\$	34,950	\$	-
2024	Water Resource Protection	Environmental Protection	Main Pump Station Boiler	\$	37,918	\$	-	\$	-	\$	-	\$	-	\$	37,918	\$	-
2024	Water Resource Protection	Environmental Protection	Facility Plan Update	\$	60,000	\$	-	\$	-	\$	-	\$	-	\$	60,000	\$	-
2024	Water Resource Protection	Environmental Protection	Willard Beach NFPA Arc Flash Violations Project	\$	40,000	\$	-	\$	-	\$	-	\$	-	\$	40,000	\$	-
2024	Water Resource Protection	Environmental Protection	Pearl Street PS Replacement-Design and Construction	\$	284,000	\$	-	\$	-	\$	-	\$	-	\$	284,000	\$	-
2024	Water Resource Protection	Environmental Protection	Unit #12 Yr 3 Combination Sewer Cleaner	\$	14,400,000	\$	-	\$	-	\$	-	\$	-	\$	14,400,000	\$	-
2024	Water Resource Protection	Environmental Protection	Unit #13 Yr. 2 CCTV Van Replacement	\$	160,478	\$	-	\$	-	\$	-	\$	-	\$	160,478	\$	-
2024	Water Resource Protection	Environmental Protection	Unit #17 Yr.3 14 Yard Dump Truck Replacement	\$	84,166	\$	-	\$	-	\$	-	\$	-	\$	84,166	\$	-
2024	Water Resource Protection	Environmental Protection	Dewatering System Replacement Design	\$	48,867	\$	-	\$	-	\$	-	\$	-	\$	48,867	\$	-
2024	Water Resource Protection	Environmental Protection	Unit # 11 1-Ton Dump Truck Replacement	\$	300,000	\$	-	\$	-	\$	-	\$	-	\$	300,000	\$	-
2024	Sustainability	Environmental Protection	Renewable Municipal Electricity	\$	55,000	\$	-	\$	-	\$	-	\$	-	\$	55,000	\$	-
2024	Sustainability	Environmental Protection	Net-Zero Energy New City Buildings	\$	1,600,000	\$	-	\$	-	\$	-	\$	-	\$	1,600,000	\$	-
2024	Sustainability	Environmental Protection		\$	25,000	\$	-	\$	-	\$	-	\$	-	\$	25,000	\$	25,000

2026	Water Resource Protection	Environmental Protection	Holding Tank Odor Control	\$	550,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	550,000	\$	-	\$	-
2026	Water Resource Protection	Environmental Protection	Headworks Odor Control	\$	315,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	315,000	\$	-	\$	-
2026	Water Resource Protection	Environmental Protection	Treatment Plant - Biological Nutrient Removal Design	\$	100,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	100,000	\$	-	\$	-
2026	Water Resource Protection	Environmental Protection	Preliminary Treatment (Grit and Screenings)	\$	314,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	314,000	\$	-	\$	-
2026	Water Resource Protection	Environmental Protection	Unit #14 Catchbasin Cleaner Truck Replace	\$	150,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	150,000	\$	-	\$	-
2026	Water Resource Protection	Environmental Protection	Unit # 7 Pump Div. Utility Truck Replace	\$	75,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	75,000	\$	-	\$	-
2026	Water Resource Protection	Environmental Protection	Unit # 19 Front-end Loader Replacement	\$	175,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	175,000	\$	-	\$	-
2026	Water Resource Protection	Environmental Protection	Unit #18 GMC Upland SUV Replace	\$	45,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	45,000	\$	-	\$	-
2027	Water Resource Protection	Environmental Protection	Treatment Plant - Biological Nutrient Removal	\$	5,400,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	5,400,000	\$	-	\$	-
2027	Water Resource Protection	Environmental Protection	Plant Water System Design	\$	250,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	250,000	\$	-	\$	-
2027	Water Resource Protection	Environmental Protection	Water Resource Protection - Unit #30 - Portable Air Compressor Replacement	\$	15,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	15,000	\$	-	\$	-
2027	Water Resource Protection	Environmental Protection	Treatment Plant Dewatering Odor Control	\$	290,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	290,000	\$	-	\$	-
2027	Water Resource Protection	Environmental Protection	Unit # 25 Excavator Replacement	\$	175,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	175,000	\$	-	\$	-
2027	Water Resource Protection	Environmental Protection	Unit # 8 4x4 Pickup Replacement	\$	35,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	35,000	\$	-	\$	-
2027	Water Resource Protection	Environmental Protection	Unit # 21 Engineer 4x4 Truck Replacement	\$	35,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	35,000	\$	-	\$	-

2028	Water Resource Protection	Environmental Protection	Underground Return Sludge Pipe Assessment	\$	115,000	\$	-	\$	-	\$	-	\$	115,000	\$	-	\$	-	\$	-
2028	Water Resource Protection	Environmental Protection	Secondary Upgrade BNR Study	\$	143,000	\$	-	\$	-	\$	-	\$	143,000	\$	-	\$	-	\$	-
2028	Water Resource Protection	Environmental Protection	Unit #19 Front End Loader Replacement	\$	175,000	\$	-	\$	-	\$	-	\$	175,000	\$	-	\$	-	\$	-
2028	Water Resource Protection	Environmental Protection	Unit #2 Compliance Div. Replacement Van	\$	30,000	\$	-	\$	-	\$	-	\$	30,000	\$	-	\$	-	\$	-
2028	Water Resource Protection	Environmental Protection	Unit #30 Portable Air Compressor	\$	30,000	\$	-	\$	-	\$	-	\$	30,000	\$	-	\$	-	\$	-
2029	Water Resource Protection	Environmental Protection	Plant Water System Upgrade	\$	450,000	\$	-	\$	-	\$	-	\$	450,000	\$	-	\$	-	\$	-
2029	Water Resource Protection	Environmental Protection	Unit # 16 Grit Dumpster Truck Replacement	\$	150,000	\$	-	\$	-	\$	-	\$	150,000	\$	-	\$	-	\$	-
2029	Water Resource Protection	Environmental Protection	Unit # 30 Skid Steer Replacement	\$	55,000	\$	-	\$	-	\$	-	\$	55,000	\$	-	\$	-	\$	-
2029	Water Resource Protection	Environmental Protection	Unit # 22 50,000 lb Construction Trailer	\$	35,000	\$	-	\$	-	\$	-	\$	35,000	\$	-	\$	-	\$	-
			Total Environmental Protection	\$	34,028,121	\$	33,978,121	\$	1,600,000	\$	-	\$	31,166,121	\$	372,500	\$	859,500		

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Year	Department	Functional Area	CIP Project	Departments Requested Project Cost	Manager's Recommended Project Cost	G.O. Bonds	Prior Year's CIP Balance	TIF Reserves	General Fund Reserves/ Operating	Other Fund Reserves/ Fund Balance	Grants	General Fund Fund Balance
2023	Economic Development	General Government	Community Broadband Network Project	\$ 2,300,000	\$ 2,300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,300,000	\$ -
2023	Economic Development	General Government	Child Care Grant	\$ 175,000	\$ 175,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 175,000	\$ -
2023	Executive	General Government	Helping Our Unhoused with Social Services, Education and Medical Assistance (HOUSEME)	\$ 1,300,000	\$ 1,300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,300,000	\$ -
2023	Information Systems	General Government	Data Center Hardware Replacement	\$ 355,000	\$ 355,000	\$ -	\$ 85,000	\$ -	\$ -	\$ -	\$ -	\$ 270,000
2023	Information Systems	General Government	Email Server Upgrade	\$ 55,000	\$ 55,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 55,000
2023	Planning & Development	General Government	Mill Creek Art Installation	\$ 15,000	\$ 15,000	\$ -	\$ -	\$ 15,000	\$ -	\$ -	\$ -	\$ -
2023	Planning & Development	General Government	Affordable Housing Projects Subsidy	\$ 1,000,000	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000	\$ -
2023	Planning & Development	General Government	Comprehensive Plan	\$ 75,000	\$ 70,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 70,000
2023	Planning & Development	General Government	Ferry Service Feasibility Study	\$ 30,000	\$ 30,000	\$ -	\$ -	\$ 30,000	\$ -	\$ -	\$ -	\$ -
2023	Planning & Development	General Government	Bicycle and Pedestrian Master Plan Part I	\$ 12,000	\$ 12,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,000
2024	City Clerk	General Government	Upgrade City Website and Hosting Platform	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000
2024	Facilities	General Government	Design/Engineering for New City Facilities	\$ 2,500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,500,000
2024	Facilities	General Government	Auto Scrubber, Carpet Cleaners	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,000

2024	Information Systems	General Government	City Phone System	\$	20,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	20,000
2024	Planning & Development	General Government	Historic Architectural Review	\$	12,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	12,000
2024	Planning & Development	General Government	File Digitization	\$	48,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	48,000
2024	Planning & Development	General Government	Cash Corner Road Diet and Stormwater Improvements	\$	10,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	10,000
2024	Planning & Development	General Government	Parking Efficiency Study	\$	45,000	\$	-	\$	20,000	\$	-	\$	-	\$	-	\$	-	\$	25,000
2024	Information Systems	General Government	Email Server Upgrade	\$	145,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	145,000
2024	Information Systems	General Government	Network Switching Upgrade	\$	150,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	120,000
2024	Information Systems	General Government	City Phone Systems	\$	70,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	45,000
2024	Information Systems	General Government	Computer Reserve	\$	15,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	15,000
2025	Facilities	General Government	Construction of New Facilities	\$	40,000,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
2025	Facilities	General Government	Pick-up Truck	\$	40,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	40,000
2025	Information Systems	General Government	Disaster Recovery Site	\$	100,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	100,000
2025	Information Systems	General Government	Document Archiving Solutions	\$	22,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	22,000
2025	Information Systems	General Government	City Phone Systems	\$	100,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	50,000
2025	Information Systems	General Government	Computer Reserve	\$	12,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	12,000
2025	Sustainability	General Government	Strategic Energy Management Plan (building audits)	\$	100,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	100,000
2025	Sustainability	General Government	Development of building performance standards (add to Benchmarking)	\$	45,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	45,000

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Year	Department	Functional Area	CIP Project	Departments Requested Project Cost	Manager's Recommended Project Cost	G.O. Bonds	Prior Year's CIP Balance	TIF Reserves	General Fund Reserves/ Operating	Other Fund Reserves/ Fund Balance	Grants	General Fund Fund Balance
2023	Parks	Parks & Open Space	Hinckley Park Rehabilitation	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ -	\$ -
2023	Parks	Parks & Open Space	3/4 Ton Truck w/plow Replacement	\$ 62,000	\$ 52,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,000
2023	Parks	Parks & Open Space	Parks/Golf - 4100D Outfront Mower (Tier 4 Emissions) - Replacement	\$ 85,000	\$ 85,000	\$ -	\$ -	\$ -	\$ -	\$ 25,000	\$ -	\$ 60,000
2024	Parks	Parks & Open Space	Multi Pro 5800 Foam Sprayer	\$ 65,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 65,000
2024	Parks	Parks & Open Space	Shockwave Aerator	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000
2024	Parks	Parks & Open Space	Hinckley Park Rehabilitation - Phase 2	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000
2024	Parks	Parks & Open Space	Willard Beach Improvements - Per Master Plan	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000
2024	Parks	Parks & Open Space	Workman GTX Electric Utility Cart	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000
2024	Parks	Parks & Open Space	Tractor Replacement	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000
2024	Parks	Parks & Open Space	Bug Light Park Master Plan	\$ 60,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 60,000
2024	Parks	Parks & Open Space	Truck Replacement	\$ 60,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 60,000
2024	Parks	Parks & Open Space	Bug Light Community Access Station	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ -	\$ -	\$ 100,000
2024	Parks	Parks & Open Space	Water Truck Replacement	\$ 70,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 70,000
2024	Parks	Parks & Open Space	Tree Plan and Canopy Assessment	\$ 55,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 55,000
2025	Parks	Parks & Open Space	Bucket Truck Replacement	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000
2025	Parks	Parks & Open Space	Willard Beach Improvements - Per Master Plan	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000
2025	Parks	Parks & Open Space	Hinckley Park Rehabilitation - Phase 3	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000
2025	Parks	Parks & Open Space	New Boat Ramp Attendant Building	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000

Year	Department	Functional Area	CIP Project	Departments Requested Project Cost	Manager's Recommended Project Cost	G.O. Bonds	Prior Year's CIP Balance	TIF Reserves	General Fund Reserves/ Operating	Other Fund Reserves/ Fund Balance	Grants	General Fund Fund Balance
2023	Fire	Public Safety	Foam Pumper Engine #46	\$ 650,000	\$ 650,000	\$ -	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ 450,000
2023	Fire	Public Safety	Ambulance 44 and Power Stretcher	\$ 280,000	\$ 280,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 280,000
2023	Fire	Public Safety	Foam Trailer (500 Gallons)	\$ 25,000	\$ 25,000	\$ -	\$ -	\$ -	\$ 25,000	\$ -	\$ -	\$ -
			Service Truck (Maintenance/Snow Plow/SU Transp.)	\$ 53,200	\$ 53,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 53,200
2023	Police	Public Safety	Electric Mustang	\$ 52,000	\$ 40,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,000
2023	Police	Public Safety	Taser Replacement	\$ 41,760	\$ 41,760	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 41,760
			Digital Storage (For body-worn and in-car video)	\$ 24,000	\$ 24,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 24,000
2024	Fire	Public Safety	Joint Training Facility (\$165,000) FY23 request	\$ 80,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 80,000	\$ -	\$ -
2024	Fire	Public Safety	Joint Training Facility (\$165,000)	\$ 85,000	\$ -	\$ -	\$ -	\$ -	\$ 85,000	\$ -	\$ -	\$ -
2024	Fire	Public Safety	Replacement For Marine 48	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ -	\$ -	\$ -
2024	Fire	Public Safety	Paving Western Ave Ramp /Parking	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ 25,000	\$ -	\$ -	\$ -
2024	Fire	Public Safety	Kitchen Repairs (Cabinets and Counters)	\$ 7,500	\$ -	\$ -	\$ -	\$ -	\$ 7,500	\$ -	\$ -	\$ -
2024	Fire	Public Safety	Service Truck - One Ton ST-410	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000
2024	Fire	Public Safety	Mini Pumper (Replace E42/Sq 44)	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ -	\$ -	\$ -
2024	Fire	Public Safety	Defibrillator	\$ 37,000	\$ -	\$ -	\$ -	\$ -	\$ 37,000	\$ -	\$ -	\$ -
2024	Fire	Public Safety	Tactical Body Armor Replacement	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000

2024	Police	Public Safety	LiveScan	\$	22,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	22,000
2024	Police	Public Safety	Motorcycle Replacement	\$	16,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	16,000
2024	Police	Public Safety	Transit Van	\$	67,500	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	67,500
2024	Police	Public Safety	Computer Replacement - Mobile	\$	60,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	60,000
2024	Police	Public Safety	Specialty Equipment Truck (for tactical and dive equipment)	\$	60,100	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	60,100
2024	Police	Public Safety	Parking Lot Paving	\$	60,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	60,000
2024	Police	Public Safety	Interior Remodeling	\$	50,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	50,000
2024	Police	Public Safety	Digital Archive System	\$	15,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	15,000
2024	Police	Public Safety	Taser Replacement	\$	41,760	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	41,760
2024	Police	Public Safety	Digital De-Escalation Video System	\$	50,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	50,000
2024	Police	Public Safety	Crisis Negotiators Communications Equipment	\$	20,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	20,000
2024	Police	Public Safety	Roof Replacement (Old Section and Garage)	\$	45,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	45,000
2024	Police	Public Safety	Electrical Circuitry Identification and Panel Updates	\$	12,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	12,000
2024	Police	Public Safety	Regional Crime Lab	\$	12,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	12,000
2025	Fire	Public Safety	Fire - Service Truck PM-402 (One Ton)	\$	50,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	50,000
2025	Fire	Public Safety	Central Station/ PD Renovation/Replacement	\$	40,000,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	40,000,000
2025	Fire	Public Safety	Command Vehicle Car 49	\$	55,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	55,000

2025	Police	Public Safety	Regional Crime Lab	\$	12,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	12,000
2025	Police	Public Safety	Binocular Night Vision Equipment	\$	85,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	85,000
2025	Police	Public Safety	Indoor Firearms Range	\$	100,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	100,000
2025	Police	Public Safety	Animal Control Vehicle	\$	40,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	40,000
2025	Police	Public Safety	Taser Replacement	\$	41,760	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	41,760
2025	Police	Public Safety	Electronic Sign Replacement	\$	30,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	30,000
2025	Police	Public Safety	Motorcycle Replacement	\$	20,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	20,000
2025	Police	Public Safety	Computer Replacement - Offices	\$	60,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	60,000
2026	Fire	Public Safety	1/2 Ton Pick-up Car 45	\$	60,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	60,000
2026	Fire	Public Safety	Engine 41	\$	650,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	650,000
2026	Fire	Public Safety	Defibrillator	\$	40,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	40,000
2026	Police	Public Safety	Regional Crime Lab	\$	12,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	12,000
2026	Police	Public Safety	Taser Replacement	\$	41,760	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	41,760
2026	Police	Public Safety	Body Armor Replacement Tactical	\$	40,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	40,000
2027	Fire	Public Safety	Ambulance 43 and Power Stretcher	\$	300,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	300,000
2027	Fire	Public Safety	Gator 1 Replacement	\$	25,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	25,000
2027	Police and Fire	Public Safety	Stand-by - Generator	\$	150,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	150,000
2027	Police	Public Safety	Regional Crime Lab	\$	12,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	12,000
2027	Police	Public Safety	Taser Replacement	\$	41,760	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	41,760
2027	Police	Public Safety	GPS Vehicle Pre-emption Emitters	\$	65,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	65,000
2027	Police	Public Safety	Armored Vehicle Replacement	\$	350,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	350,000

Year	Department	Functional Area	CIP Project	Departments Requested Project Cost	Manager's Recommended Project Cost	G.O. Bonds	Prior Year's CIP Balance	TIF Reserves	General Fund Reserves/ Operating	Other Fund Reserves/ Fund Balance	Grants	General Fund Fund Balance
2023	Public Works	Public Works and Transportation	Biodiesel Set up for DPW	\$ 90,000	\$ 90,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 90,000
2023	Public Works	Public Works and Transportation	One - 3/4 Ton Pick-up Truck	\$ 100,000	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ -
2023	Public Works	Public Works and Transportation	Single Axle Dump Truck Equipped for Winter Operations	\$ 220,000	\$ 220,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 121,896	\$ 98,104
2023	Public Works	Public Works and Transportation	Public Works and Parks Digital Radios	\$ 165,581	\$ 165,581	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 165,581
2024	Public Works	Public Works and Transportation	Sidewalk Work	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ -	\$ -
2024	Public Works	Public Works and Transportation	Director Vehicle	\$ 55,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 55,000	\$ -
2024	Public Works	Public Works and Transportation	Sidewalk Tractor	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000	\$ -
2024	Public Works	Public Works and Transportation	Single Axle Dump	\$ 220,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 220,000	\$ -	\$ -
2024	Public Works	Public Works and Transportation	PACTS Match Lincoln St MUP	\$ 189,700	\$ -	\$ -	\$ -	\$ -	\$ 189,700	\$ -	\$ -	\$ -
2024	Public Works	Public Works and Transportation	PACTS Match Millcreek/PACTS Improvements	\$ 90,000	\$ -	\$ -	\$ -	\$ -	\$ 90,000	\$ -	\$ -	\$ -
2024	Public Works	Public Works and Transportation	PACTS Match Cottage Rd Mill and Fill	\$ 174,000	\$ -	\$ -	\$ -	\$ -	\$ 174,000	\$ -	\$ -	\$ -
2024	Public Works	Public Works and Transportation	Sidewalk Program	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ -	\$ -
2025	Public Works	Public Works and Transportation	Sidewalk Program	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000
2025	Public Works	Public Works and Transportation	Service Truck	\$ 80,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 80,000	\$ -

2025	Public Works	Public Works and Transportation	Dump Truck	\$	180,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	180,000	\$	-		
2026	Public Works	Public Works and Transportation	Sidewalk Program	\$	200,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	200,000		
2026	Public Works	Public Works and Transportation	Loader	\$	275,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	275,000		
2026	Public Works	Public Works and Transportation	Dump Truck	\$	180,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	180,000		
2027	Public Works	Public Works and Transportation	Sidewalk Program	\$	250,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	250,000		
2027	Public Works	Public Works and Transportation	Front End Loader	\$	250,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	250,000		
2027	Public Works	Public Works and Transportation	Sidewalk Plow	\$	150,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	150,000		
2027	Public Works	Public Works and Transportation	One-ton Truck	\$	85,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	85,000		
2028	Public Works	Public Works and Transportation	Sidewalk Program	\$	250,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	250,000		
2028	Public Works	Public Works and Transportation	Sweeper	\$	300,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	300,000		
2028	Public Works	Public Works and Transportation	Dump Truck	\$	220,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	220,000		
2029	Public Works	Public Works and Transportation	Dump Truck	\$	220,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	220,000		
2029	Public Works	Public Works and Transportation	Sidewalk Program	\$	500,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	500,000		
2029	Public Works	Public Works and Transportation	Sign Truck	\$	75,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	75,000		
			Total Public Works and Transportation	\$	5,569,281	\$	5,519,281	\$	-	\$	-	\$	-	\$	753,700	\$	1,720,000	\$	1,941,896	\$	1,103,685

Year	Department	Functional Area	CIP Project	Departments Requested Project Cost	Manager's Recommended Project Cost	G.O. Bonds	Prior Year's CIP Balance	TIF Reserves	General Fund Reserves/ Operating	Other Fund Reserves/ Fund Balance	Grants	General Fund Fund Balance
			Total Public Works and Transportation	\$ 5,569,281	\$ 5,519,281	\$ -	\$ -	\$ -	\$ 753,700	\$ 1,720,000	\$ 1,941,896	\$ 1,103,685
			Recreational Facilities	\$ 5,834,450	\$ 5,644,450	\$ -	\$ -	\$ 500,000	\$ -	\$ 679,500	\$ -	\$ 4,464,950
			Protection	\$ 34,028,121	\$ 33,978,121	\$ 1,600,000	\$ -	\$ -	\$ -	\$ 31,166,121	\$ 372,500	\$ 839,500
			Government	\$ 49,421,000	\$ 49,416,000	\$ 40,000,000	\$ 85,000	\$ 65,000	\$ 105,000	\$ -	\$ 4,805,000	\$ 4,356,000
			Space	\$ 3,617,000	\$ 3,607,000	\$ -	\$ -	\$ -	\$ 50,000	\$ 125,000	\$ -	\$ 3,432,000
			Total Public Safety and Transportation	\$ 45,541,860	\$ 45,529,860	\$ 40,000,000	\$ -	\$ -	\$ 1,009,500	\$ 1,575,000	\$ 20,000	\$ 2,925,360
			GRAND TOTAL FY23-FY29	\$ 144,011,712	\$ 143,694,712	\$ 81,600,000	\$ 85,000	\$ 565,000	\$ 1,918,200	\$ 35,265,621	\$ 7,139,396	\$ 17,121,495

Projects in GREEN font are projects included in the Green CIP

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SECTION II

Year One – FY 2023 Requests

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YEAR I
FY 2023 CIP REQUEST

Cultural and Recreational Facilities

Community Center Pool Roof	\$400,000
Electrical Upgrades	\$18,000
Bridge Rehabilitation	\$50,000
Skate park – funds for remainder of project	\$85,000
Total Cultural and Recreational Facilities	\$553,000

Environmental Protection

Aeration Train 1 Rehabilitation	\$309,800
Wastewater Outfall Marker Replacement	\$35,000
WWTF Electrical Upgrade Phase II Design	\$70,910
Chlorination Update	\$300,000
Disinfection Drain Pump	\$24,819
2023 Sewer Lining	\$250,000
Ordinance Chapter 22 Sewers and Drains Update	\$20,000
Long Creek Pump Installation	\$161,455
Willard Beach Pump 2 VFD Replacement	\$24,885
John Roberts Pump Replacements	\$35,540
Pump Stations NFPA Violations – Design	\$20,000
Regular Cab 4 x 4 Pick-up Truck	\$37,105
Combination Sewer Cleaner	\$160,479
14-Yard Dump Truck	\$48,867
Closed Circuit Television Inspection Van	\$84,166
Electrify Everything Program	\$270,000
100 Resilient Yards	\$77,000
Electric Vehicle Charging Stations	\$150,000
Solar Proliferation Study	<u>\$20,000</u>

Total Environmental Protection **\$2,100,026**

General Government

Community Broadband Network Project	\$2,300,000
Child Care Grant	\$175,000
Helping our Unhoused with Social Services, Education and Medical Assistance (HOUSEME)	\$1,300,000
Data Center Hardware Replacement	\$355,000
Email Server Upgrade	\$55,000
Mill Creek Art Installation	\$15,000
Affordable Housing Projects Subsidy	\$1,000,000
Comprehensive Plan	\$70,000
Ferry Service Feasibility Study	\$30,000
Bicycle and Pedestrian Master Plan Part I	<u>\$12,000</u>
Total General Government	\$5,312,000

Parks and Open Space

Hinckley Park Rehabilitation	\$100,000
¾ Ton Truck w/plow Replacement	\$52,000
4100D Outfront Mower (Tier 4 Emissions)	<u>\$85,000</u>
Total Parks and Open Space	\$237,000

Public Safety

Foam Pumper Engine #46	\$650,000
Ambulance 44 and Power Stretcher	\$280,000
Foam Trailer (500 Gallons)	\$25,000
Service Truck (Maintenance/Snow Plow/SU Transportation)	\$53,200
Electric Mustang	\$40,000
Taser Replacement	\$41,760

Digital Storage (for Body-worn and in-car video)	<u>\$24,000</u>
Total Public Safety	\$1,113,960

Public Works and Transportation

One – ¾ Ton Pick-up Truck	\$50,000
Single Axle Dump Truck equipped for Winter Operations	\$220,000
Biodiesel Set-up for DPW	<u>\$90,000</u>
Public Works and Parks Digital Radios	<u>\$165,581</u>
Total Public Works and Transportation	\$525,581
 Total Year I Request	 \$ 9,841,567

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CULTURAL AND RECREATIONAL FACILITIES



Courtesy of Denise Michaud

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City of South Portland
Capital Project Request Form
Fiscal Year 2022 Capital Improvement Plan

Project Title	Community Center Pool Roof		
Department	Facilities	Dept. Priority	1st
Division	Pool	Div. Priority	
CIP Category	Cultural & Recreational Facilities		

Purchase/Project Description

While completing repairs to the CMU block on the exterior wall of the Pool area we discovered water damage to the roof system. Upon further investigation we found that this roof was replaced around 2006 by Mainland Structures Corp. (out of business/ changed name). They had CWS Architects do the design and bid the job. They used Armstrong Tectum III prefabricated roofing system. This system comes with an 1 1/2" interior sound panel glued to 7" of rigid insulation and capped with a 7/16" OSB. These panels are tongue and groove, approx. 4' x 12', put together with an adhesive and screwed directly to the roof trusses. It appears as though the seams were not sealed as per the installation plans. With these panels not being sealed this allows moisture to penetrate the panels and sits atop this system. I have big concerns with this system and its ability to carry the snow load it was designed for. The OSB is degraded to the point of no structural contribution and the rest of the system is soaked with water. I recommend we get this on the replacement schedule sooner than later.

I have asked an Engineering firm to take a look at this and recommend replacement options. Once we have a scope and approval I can put it out to bid. I would like to try and get this into the 2023 capital budget.

Financial Impact of this Purchase/Project

Added 10% due to rising cost of materials See attached pictures. I have added cost to paint and repair damage to the interior of the structure as well.

Source of Cost Estimate	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.
Borrow/Lease Purchase							\$ -	\$ -
Fund Balance (General Fund)	\$ 500,000	\$ 300,000					\$ 500,000	\$ 300,000
General Fund (GF) Reserves							\$ -	\$ -
General Obligation Bonds							\$ -	\$ -
Grants							\$ -	\$ -
Non-GF Reserves/Surplus		\$ 100,000					\$ -	\$ 100,000
Prior Year CIP Balances							\$ -	\$ -
TIF							\$ -	\$ -
Trade-In							\$ -	\$ -
Other (explain above)	\$ 50,000						\$ 50,000	\$ -
TOTALS	\$ 550,000	\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ 550,000	\$ 400,000

Source of Cost Estimate	
Est. Annual Operating Costs	

City Manager Comments Manager recommends funding only the Pool Roof portion of the project, not the \$140,000 of additional work elsewhere in the Community Center. \$300,000 to come from fund balance, \$100,000 requested from the School Department's Fund Balance since their Middle and High School Swim Teams use the pool for practice and meets.

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www.whdemmons.com

ATTN: South Portland community Center

Date: 2/25/2021	
BID AND CONTRACT	
<i>All pricing is subject to review after thirty days Billing is monthly net fifteen days Deposit is twenty five percent</i>	
We hereby propose to furnish material and labor to complete the work outlined herein. Terms:	
Quote	SEE BELOW
	Maine Sales Tax _____ Included

Re: New Roof System With New deck BUDGET

- Remove existing roofing down to Steel Trusses
-
- Install Metal Galv B deck painted
-
- Supply and install Vapor barrier
-
- Supply and install fully adhered attached 5"polyiso insulation.
-
- Supply and install HD ISO coverboard
-
- Supply and install Fully Adhered PVC .60 membrane.
-
- Supply and install new 2 pcs edge metal.
-
- All seams, penetrations, edge metal, walls and curbs will be flashed according to manufacturer specifications.
- **25 year labor and 25 year material warranty through Duro- Last**

Total labor and material: \$325,500.00

Warranty: WH Demmons, Inc offers a (2) year warranty on parts and labor from the date of installation. Plus all manufacturer warranties.
Standard Exceptions: No Metal (except as indicated), No Carpentry (except as indicated), No Deck Replacement (except as indicated), No Plumbing, No Snow Removal, No Extended Warranty, No Asbestos Removal

Best regards,

Jay Davis
Roofing Manager
207.831.0200
jdavis@whdemmons.com

A late charge of 1.5% interest per month will be added to any balance due over 30 days. Purchaser shall bear costs of collection, including reasonable attorney's fees.

CONTRACTOR'S GUARANTEE

We guarantee all material in this contract to be as specified above and the entire job to be done in a neat, workmanlike manner. This contract references a specific proposal which contains all the terms of agreement between the parties and no additional or changed terms shall be valid unless such terms are set forth in writing and signed by all parties to this contract. Agreements made by our workmen are not recognized.

ACCEPTANCE OF BID

The above specifications, terms and referenced proposal are satisfactory, and (I) (we) hereby authorize the performance of this work.

Date: _____ Signed: _____

Date: _____ Signed: _____

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City of South Portland
Capital Project Request Form
Fiscal Year 2023 Capital Improvement Plan

Project Title	Electrical Upgrades Phase 1		
Department	Library	Dept. Priority	2
Division	Main Library	Div. Priority	2
CIP Category	Cultural & Recreational Facilities		

Purchase/Project Description

In 2020, Allied Engineering assessed the electrical system at the Main Library, in anticipation of upgrades to our parking lot, related to the stormwater project being done on property.

In their review, they found, "in general, the electrical distribution system is beyond its useful life and will increasingly become a maintenance and reliability challenge." The equipment in the building is vintage to the original construction (50+ years old). With the manufacturer of the parts long out of business, replacement and repair for the existing system will only become more challenging.

Allied notes the capacity of the existing system may not be suitable for desired future upgrades to the facility, mainly, exterior parking lot and pedestrian lighting to enhance safety around the building and its grounds. In addition, we have current need for increased electrical capacity in regards to more - and more conveniently placed - electrical outlets throughout the building to support staff and library visitor needs.

Allied also calls attention to the lack of a standby power source. The absence of backup power has, in the past, resulted in unplanned closures to the public since, without HVAC running, the building can quickly become uninhabitable, be it summer or winter. A worst case scenario with a prolonged outage could see the destruction of the library's collections were we to experience burst pipes.

The assessment provided us with three recommendations for upgrades:

Priority 1 Items (System Condition) \$ 15,000

- Replace the power distribution equipment (load centers, disconnect switches and main distribution panel).

Priority 2 (Code Requirements) \$3,000

- Install missing covers over the low voltage wire ways and junction boxes.
- Apply appropriate cable training/routing and support for loose low voltage wiring.
- Maintain NEC required working clearances in front of line voltage power equipment.

Priority 3 (Energy Savings/Equipment Upgrades)

- Upgrade the existing electrical service to a 400 Amp, 480 Volt, 3 phase, 4 wire rating. (\$120,000)
- Provide a stand-by power source sized sufficiently to maintain the building heating equipment, fire alarm system and emergency egress lighting loads. The egress lighting and fire alarm loads must still maintain their DC code required power sources. Recommended stand-by diesel generator size would be between 15 and 20 kW at 208-volt, 3 phase, 4 wire output. (size confirmed as part of design process) (\$20,000)

Total budget range for the listed Priority 1,2,3 items above: \$145,000 to \$175,000 . Given the Priority 1 & 2 items deal with safety and stability of the building's electrical service, I propose that we tackle those two items as a "Phase 1" implementation of the overall proposal.

Financial Impact of this Purchase/Project

This project would generate no revenue but would likely reduce maintenance costs, going forward. As our current system continues to age, the likelihood of issues with the systems increase and, given the obsolescence of the systems, the repair and replacement of parts is likely to be costly.

Environmental Considerations

A modernized electrical system is likely to be much more efficient than the current, mid-1960's era systems currently in use.

Funding Source(s)	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.
Borrow/Lease Purchase							\$ -	\$ -
Fund Balance (General Fund)	\$ 18,000	\$ 18,000					\$ 18,000	\$ 18,000
General Fund (GF) Reserves							\$ -	\$ -
General Obligation Bonds							\$ -	\$ -
Grants							\$ -	\$ -
Non-GF Reserves/Surplus							\$ -	\$ -
Prior Year CIP Balances							\$ -	\$ -
TIF							\$ -	\$ -
Trade-In							\$ -	\$ -
Other (explain above)							\$ -	\$ -
TOTALS	\$ 18,000	\$ 18,000	\$ -	\$ -	\$ -	\$ -	\$ 18,000	\$ 18,000

Source of Cost Estimate

Allied Engineering Assessment

Est. Annual Operating Costs		Projected Useful Life 30+	Additional Documentation?	Yes
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City Manager Comments

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I. Introduction and Scope

Allied Engineering, Inc. (AEI) was contracted by South Portland to complete an assessment of the existing electrical power distribution system at the South Portland Library Facility for the purpose of developing a scope for upgrades to the electrical service as necessary to support the current and future power needs for the facility.

The assessment is conducted to address concerns with the condition, dependability, capacity and maintainability for the electrical service and distribution system. In conducting the assessment for the existing electrical distribution system, age and condition of equipment, maintainability of existing system, energy efficiency, capacity and code compliance have been considered.

The project assessment and scoping include the following:

1. Meet with designated representatives of the facility to gain an understanding of the use and electrical requirements of each functional space.
2. Conduct field visit to assess the configuration and condition of existing electrical distribution system, analyze existing building design documentation, become familiar with prior renovations and functional space changes throughout the facility.
3. Gather information relative to future growth potential, diversity of functional spaces, potential use changes, space conditioning requirements, and prioritization of upgrades.
4. Develop a report that identifies existing conditions, discussions and recommendations for upgrades to the electrical service and distribution based upon information collected during the assessment phase, complete with opinions of probable related construction costs.
5. Review and evaluate effects of positioning new electrical distribution equipment in the existing main electrical room (shared with the mechanical equipment).

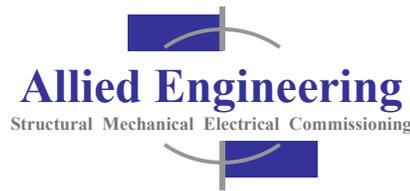
The assessment incorporates the following items:

1. Visual assessment of systems condition and operation
2. Interview of designated facility personnel to gather information relative to electrical distribution system efficiency, maintainability, and other relevant information.
3. Review of system design documentation to analyze the ability for the electrical distribution system to meet current code requirements and industry standards.

II. Existing Conditions

A. General

1. The facility is a one-story masonry and steel building with a partial ground floor level. It comprises approximately 18,500 gross total sf and was originally constructed in 1966.
2. The first floor is primarily consistent of the front entry, library space and administrative offices



3. The Ground floor contains a meeting space, storage space, rear entry and electrical/mechanical room.

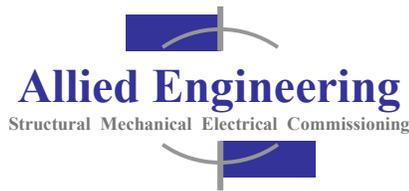
B. Electrical

1. The facility is served by a pole mounted CMP owned oil filled transformer; manufacture and age unknown. The unit has a 12470-volt, three phase, three wire (delta) overhead primary and a 120/208 volt, three phase, four wire (wye) underground secondary. The unit is assumed to be rated at between 125 and 150 kva, however unconfirmed at time of survey.
2. The secondary underground feeder serves the main switchboard located in the basement level electrical room (shared with mechanical equipment). The 120/208-volt, three phase, four wire main switchboard (labeled MDP) is protected via a 400 Amp, 3 pole, solid neutral service entrance fused disconnect switch (and CT cabinet/meter). The MDP has a 400 Amp bus with a fused distribution disconnect switches to serve the loads. The switchboard is manufactured by FPE (Federal Pacific Electric) in 1966.
3. The facility does not have an emergency power source. The egress lighting and the fire alarm system have integral DC power back up sources.
4. The branch circuit power distribution system for the building consists of two adjacent load centers per floor (basement and first). These load centers serve the interior lighting and miscellaneous power loads; these panels are located in the corridors and are flush mounted.
5. The lighting and power load centers as well as the main distribution panel are manufactured by FPE (Federal Pacific Electric). They appear to be consistent with age of the facility.
6. Major mechanical equipment serving the facility consists of oil-fired boiler for heat, hot water storage tank, and a VFD controlled Trane Air Handling unit with associated A/C condenser unit.
7. There is (1) elevator; HP unconfirmed at time of visit (assumed 20HP).

III. Discussion

A. Electrical Power Distribution System

1. In general, the electrical distribution system is beyond its useful life and will increasingly become a maintenance and reliability challenge. It would be difficult to acquire repair or replacement parts. The equipment manufacturer (FPE) has not been in business for many years. There is only one disconnect switch that is new enough to consider maintaining



(AC condenser – 200 Amp, 3 Pole).

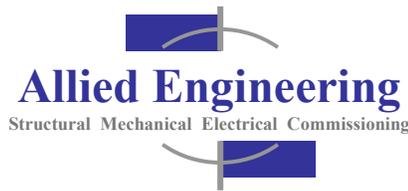
2. The CMP historical billing indicates the peak demand in July of 2018 was (50 kW). This equates to approximately (140 Amps) of demand load on a service with (400 Amps) of rated capacity or (35%). The existing service would appear to be lightly loaded; however, we should re-check against the peak demand load value for 2019 to determine whether the demand load has increased.
3. Depending on what program goals there are for the facility; the existing 400 Amp, 208-volt, 3 phase electrical service may not have appropriate capacity for potential electrical needs in the future related to possible MEP (increased cooling, humidification or ventilation capacity), site/civil scope (parking lot and site lighting) related to building upgrades, building addition or facility program offering increases.
4. One way to get more electrical capacity without running new underground conduits to the building (challenging since half of the basement is unexcavated) would be to consider changing the service from 208 Volt three phase to 480 Volt three phase , however, keeping the amperage rating at 400 amps so that the existing secondary conduit can be reused. This will require a step-down transformer in the building for low voltage (120 volt) loads. The revised service rating would also be better utilized if the elevator, the AHU and the A/C condenser (and other large loads) were changed to 480-volt three phase input instead of the current 208-volt three phase input (smaller wires and circuit breakers at 480 volt). Having a 480-volt system will also permit the interior and exterior lighting to be replaced and operate at 277 volts instead of 120 volts (fewer circuits)
5. The facility does not have a stand-by power source or related distribution equipment. Prolonged loss of power places the building at risk for pipe freeze and resultant damage.

IV. Statement of Needs Summary

- A. *Description:* Provide replacement and upgrades to the existing electrical distribution system to include: replace power distribution equipment; replace service entrance feeder; add stand-by power source and related power distribution equipment; install new service entrance equipment.
- B. *Justification:* There were a few goals in mind when assessing this facility; life safety, shelter in place capability, systems maintainability, and energy savings. As noted throughout this report, the current electrical distribution system is beyond its published service life, in poor condition, and non-code compliant in many instances. As such, the electrical distribution system is not dependable and will introduce potential for uninhabitability in the event of failure

V. Recommendations/Considerations

A. Electrical



1. Recommendations for upgrades to existing systems:

Priority 1 Items (System Condition)

- a. Replace the power distribution equipment (load centers, disconnect switches and main distribution panel).

Priority 2 (Code Requirements)

- a. Install missing covers over the low voltage wireways and junction boxes.
- b. Apply appropriate cable training/routing and support for loose low voltage wiring.
- c. Maintain NEC required working clearances in front of line voltage power equipment.

Priority 3 (Energy Savings/Equipment Upgrades)

- a. Upgrade the existing electrical service to a 400 Amp, 480 Volt, 3 phase, 4 wire rating.
- b. Provide a stand-by power source sized sufficiently to maintain the building heating equipment, fire alarm system and emergency egress lighting loads. The egress lighting and fire alarm loads must still maintain their DC code required power sources. Recommended stand-by diesel generator size would be between 15 and 20 kW at 208-volt, 3 phase, 4 wire output. (size confirmed as part of design process)

B. Opinion of probable cost for recommendations listed above.

Priority 1 Items (System Condition)

- a. Replace the power distribution equipment (main panel, (3) sub panels) - \$ 15,000

Priority 2 (Code Requirements)

- b. Misc. work - \$3,000

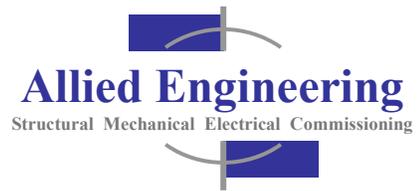
Priority 3 (Energy Savings/Equipment Upgrades)

- a. Upgrade the existing electrical service - \$120,000.
- b. Provide a stand-by power source (generator, panel) - \$ 20,000
- c. Total budget range for the listed Priority 1,2,3 items above: \$145,000 to \$175,000

VI. Closing

It is with pleasure that this report is submitted for your use and consideration. We look forward to working with South Portland in the design development for this project.

The following exclusions apply to the recommendations herein:



2. ADA and Life Safety Upgrades. An independent study may be required to analyze these aspects.
3. The cost for hazardous materials remediation is not included.

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City of South Portland
Capital Project Request Form
Fiscal Year 2023 Capital Improvement Plan

Project Title	Branch Library - Bridge Rehab		
Department	Library	Dept. Priority	2
Division	Branch Library	Div. Priority	1
CIP Category	Cultural & Recreational Facilities		

Purchase/Project Description

Citizens and staff access the Branch Library by way of two pedestrian foot bridges. Both bridges were reconstructed - as an emergency repair- in 2012 following an assessment they had deteriorated to a point where continued use was unsafe. In the years since replacement, the painting done as part of that project has not held up and now areas of the bridges are, again, showing significant rust.

This project calls for enclosing, sandblasting and fully coating the bridge structures thus improving longevity, safety and appearance of the City building. Without treatment, it is expected the Bridges will remain stable for some time, however, corrosion will continue and the overall lifespan will be shortened. In addition, the current appearance of the bridges will continue to raise questions, and safety concerns, from the public.

Financial Impact of this Purchase/Project

This work is necessary upkeep in order to prolong the overall useful life of the past investment in the existing bridge structures, which will soon be 10 years old. There is nothing to trade in nor will it generate any revenue.

Environmental Considerations

Funding Source(s)	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.
Borrow/Lease Purchase							\$ -	\$ -
Fund Balance (General Fund)	\$ 50,000	\$ 50,000					\$ 50,000	\$ 50,000
General Fund (GF) Reserves							\$ -	\$ -
General Obligation Bonds							\$ -	\$ -
Grants							\$ -	\$ -
Non-GF Reserves/Surplus							\$ -	\$ -
Prior Year CIP Balances							\$ -	\$ -
TIF							\$ -	\$ -
Trade-In							\$ -	\$ -
Other (explain above)							\$ -	\$ -
TOTALS	\$ 50,000	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ 50,000

Source of Cost Estimate	Knowles proposal (page 3)		
Est. Annual Operating Costs	\$ -	Projected Useful Life	unknown
		Additional Documentation?	yes

City Manager Comments

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295 NEW PORTLAND ROAD
GORHAM, MAINE 04038
(207) 854-1900
(207) 854-4996 FAX
www.knowlesindustrial.com

December 3, 2019

Mr. David Cunningham
Facilities Manager
City of South Portland
929 Highland Ave.
South Portland, ME 04116

Please note because page two of this letter was a quote for the Public Works Facility floor repair, it has been removed from this attachment.

RE: South Portland – Public Works and Memorial Branch Lib

Dear Mr. Cunningham,

Thank you for giving me the opportunity to provide you with a recommendation and a quote for the aforementioned projects. The scope of work is as follows:



- Wash and seal the concrete floor – Prosoco SLX 100
- Some staining will remain
- **Estimated Cost - \$35,000.00 - \$40,000.00**

Restoring the Past - Protecting the Future

SERVING INDUSTRY'S NEED FOR REPAIR AND RESTORATION SINCE 1971

SHOTCRETE • GROUTING • CONCRETE • MASONRY • PROTECTIVE COATINGS & LININGS



- Work includes the bridge and railings only
- Erect fixed scaffolding and enclose work area
- Sandblast beams and railings – SSPC SP6 Standard
- Sandblast the bottom side corrugated decking and galvanize channels
- Apply zinc primer and cold galvanize topcoat
- Apply 3 coat coating system, penetrating primer, epoxy midcoat, and urethane topcoat
- **Estimated Cost - \$40,000.00 - \$50,000.00**
- There are many areas that are inaccessible which will allow for immediate rust bleeding

Should you have any questions or need any additional information, please do not hesitate to contact me.

Respectfully,

Travis Whitehead
President - Operations



City of South Portland
Capital Project Request Form
Fiscal Year 2023 Capital Improvement Plan

Project Title	Skate Park		
Department	Parks, Rec, Waterfront	Dept. Priority	1
Division	Recreation	Div. Priority	1
CIP Category	Cultural & Recreational Facilities		

Purchase/Project Description

The Parks, Recreation and Waterfront Department is seeking funding to fund the remainder of our Skate Park project. In FY21, our Department was given \$337,500 in CIP monies towards the project, which was estimated to cost \$450,000 at the time. Due to increases in the cost of materials and a few designs changes, the price rose to \$505,000 and, per Pillard Designs, the overall cost of the park is anticipated to be closer to (if not greater than) \$550,000. This is due to there being additional costs that were not anticipated. Those costs include: hiring a construction consultant, hiring an inspector, and hiring someone to perform compaction and concrete testing.

The project will go to bid for construction in February 2022, and we will have a more accurate idea of actual costs once the bids come back. In the almost two years since being allocated the \$337,500, the Skate Park Committee has worked tirelessly to raise funds. They held a fundraising event in 2021 and are actively seeking donors. To date, they have raised over \$116,000, leaving us with approximately \$453,000 towards the project.

Despite these terrific fundraising efforts, there is still a significant shortfall. Because of the pandemic, individuals and businesses are not able to give as much and we fear by the time that \$550,000 is raised, the cost of a skate park will be significantly higher. This project has been on the City's radar for well over a decade and we would love to see it through.

Financial Impact of this Purchase/Project

While \$125,000 is a significant investment (\$462,500 overall including the \$337,500 from FY21), it's a terrific investment for the City. Skate parks are easy and inexpensive to maintain and they have a projected useful life of 30+ years.

Environmental Considerations

Currently, there is no skate park in South Portland. People are traveling to other communities (Portland, Scarborough, Windham, etc.) using modes of transportation that have a negative impact on the health of the environment. Building this skate park will result in people biking, skateboarding, walking, etc., to get to it.

Funding Source(s)	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.
Borrow/Lease Purchase							\$ -	\$ -
Fund Balance (General Fund)	\$ 125,000	\$ 85,000					\$ 125,000	\$ 85,000
General Fund (GF) Reserves							\$ -	\$ -
General Obligation Bonds							\$ -	\$ -
Grants							\$ -	\$ -
Non-GF Reserves/Surplus							\$ -	\$ -
Prior Year CIP Balances							\$ -	\$ -
TIF							\$ -	\$ -
Trade-In							\$ -	\$ -
Other (explain above)							\$ -	\$ -
TOTALS	\$ 125,000	\$ 85,000	\$ -	\$ -	\$ -	\$ -	\$ 125,000	\$ 85,000

Source of Cost Estimate	Pillar Design Studios		
Est. Annual Operating Costs	Less than \$1,000	Projected Useful Life 30+ years	Additional Documentation? No

City Manager Comments Manager recommends partial funding, with the balance (\$40,000) to be fundraised or obtained via grants.

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ENVIRONMENTAL



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City of South Portland
Capital Project Request Form
Fiscal Year 2023 Capital Improvement Plan

Project Title	Aeration Train 1 Rehabilitation		
Department	Water Resource Protection	Dept. Priority	1
Division	Treatment Systems	Div. Priority	1
CIP Category	Environmental Protection		

Purchase/Project Description

The South Portland WWTP activated sludge process has three aeration trains with three tanks in each train that treats and removes pollutants from the influent wastewater before it can be discharged to the Fore River. There are a total of five influent gates and four isolation gates in each of the aeration trains allowing for adjustment to the process control and flow distribution of the influent wastewater into and through each of the three tanks. These gates have corroded and failed causing difficulties and failures in the ability of the staff to adjust the flow pattern for varying needs including changes in process control strategy and, isolation of tankage for cleaning and maintenance.

In addition to the gate challenges, the cement work of the tanks themselves has begun to crack and spall and, is in need of repairs in order to insure long term reliability. Wright Pierce, the City's current contract engineers, has been tasked with an evaluation of the gates, cement work, and final design of the upgrade. Train #1 and train #2 had sustained the greatest amount of degradation. Rehabilitation of the two trains was split into two separate projects with aeration train #2 done in FY 2021 and aeration train #1 planned for FY 2023.

The estimated cost to complete the rehabilitation of aeration train #1 is based on the actual cost incurred to rehabilitate train #2, which were as follows:

Train #2 Design: \$27,200
 Train #2 Construction: \$275,600
 Train #2 CA: \$7,000
 TOTAL: \$309,800

Financial Impact of this Purchase/Project

This project is budgeted within the WRP's long term Implementation Plan. Any items on this Implementation Plan come from the annual review of the Asset Management Plan where each item goes through an evaluation to determine condition assessments and obviously when, and at what costs, are the repair/replacements done. This project will not generate any revenue for the City. Cost for this work will come from WRP reserves account which is funded through the Sewer User Rate. This project will decrease any further maintenance costs and improve operational flexibility. This is important to meet our discharge permit requirements.

Environmental Considerations

Rehabilitation of the aeration trains is necessary in order to insure the treatment plant staff can operate and maintain the aeration systems for the most effective treatment of influent wastewater. Failure to rehabilitate the aeration systems could result in a violation of our MePDES discharge permit resulting in administrative actions including fines.

Funding Source(s)	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.
Borrow/Lease Purchase							\$ -	\$ -
Fund Balance (General Fund)							\$ -	\$ -
General Fund (GF) Reserves							\$ -	\$ -
General Obligation Bonds							\$ -	\$ -
Grants							\$ -	\$ -
Non-GF Reserves/Surplus	\$ 309,800	\$ 309,800					\$ 309,800	\$ 309,800
Prior Year CIP Balances							\$ -	\$ -
TIF							\$ -	\$ -
Trade-In							\$ -	\$ -
Other (explain above)							\$ -	\$ -
TOTALS	\$ 309,800	\$ 309,800	\$ -	\$ -	\$ -	\$ -	\$ 309,800	\$ 309,800

Source of Cost Estimate

Actual cost to complete rehabilitation of Aeration Train #2.

Est. Annual Operating Costs	See annual O&M budget	Projected Useful Life	30	Additional Documentation?	Yes
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City Manager Comments

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AMENDMENT NO. 2
TO
AGREEMENT BETWEEN
CITY OF SOUTH PORTLAND
AND
WRIGHT-PIERCE
FOR
PROFESSIONAL ENGINEERING
RELATED TO
MUNICIPAL SERVICES

**AMENDMENT NO. 2
TO
AGREEMENT BETWEEN
CITY OF SOUTH PORTLAND
AND
WRIGHT-PIERCE
FOR
PROFESSIONAL ENGINEERING
RELATED TO
MUNICIPAL SERVICES**

This Amendment made the 3rd day of December, 2020, by and between SOUTH PORTLAND, MAINE, (hereinafter called OWNER), and WRIGHT-PIERCE (hereinafter called ENGINEER).

WHEREAS, an Agreement was entered on September 25, 2020 between the OWNER and ENGINEER, which Agreement is entitled AGREEMENT BETWEEN CITY OF SOUTH PORTLAND AND WRIGHT-PIERCE (hereinafter referred to as the "AGREEMENT"); and

WHEREAS, OWNER wishes to engage ENGINEER to design an upgrade to Aeration Train 1 and Aeration Train 2 and develop plans suitable for public bid;

NOW, THEREFORE, for the consideration set forth in the AGREEMENT and other good and valuable considerations, it is hereby agreed and acknowledged by and between OWNER and ENGINEER to amend the AGREEMENT as follows:

1. The AGREEMENT shall be amended to include this Amendment, a copy of which shall be attached thereto and made a part thereof as if fully set forth therein.
2. The following represents the SCOPE OF SERVICES for the proposed work:

Task 1 – Aeration Trains Gate Replacement Preliminary Design Memorandum

1. Coordinate a site visit/inspection with Global Fabrication, the original provider of aeration basin influent gates in 2003. Determine if gates can be salvaged/repared, suggested scope and approach to specification, and estimated cost.
2. Obtain material recommendations and estimated cost for whole gate replacement from a gate manufacturer/vendor to compare and contrast to a repaired gate.
3. Develop a preliminary design memorandum summarizing the scope of gate replacement for Aeration Train 1 and Aeration Train 2. Memo shall discuss existing conditions and evaluation of gates, recommendations

(gate rehabilitation versus replacement), expected longevity, implementation plan, maintenance recommendations, and project budgetary cost estimates.

Task 2 – Aeration Trains Gate Replacement and Concrete Repairs Design

1. Develop and provide two separate bid packages (one bid package for Aeration Train 1, one bid package for Aeration Train 2).
2. Bid packages shall include 90% design plans and specifications and cost estimate to OWNER for review. 90% design plans and specifications shall include the following general work:
 - a. Rehabilitation or replacement of ten influent slide gates in Aeration Train 1 and Aeration Train 2 (ME-SCSDG-1 through ME-SCSDG-10, as identified in the 1995 Record Drawings attached). Gates shall be equipped with new manual operators only. Existing motor operators will be demolished, electric conduit demolished to the pull box, and wire demolished to the source.
 - b. Rehabilitation or replacement of eight adjustable weir gates in Aeration Train 1 and Aeration Train 2 between aeration tanks (AWG-4 through AWG-11, as identified in the 1995 Record Drawings attached). Gates shall be equipped with new manual operators.
 - c. Concrete Repairs as identified by the City, with recommendations from KISC, and indicated on drawings provided by the City titled "Aeration Basin Repairs", dated April 2019.
 - d. Specifications will utilize the EJCDC format. Front-end specifications (DIV 00) will be typical 'full' EJCDC specifications given the expected construction cost. OWNER will provide specific supplementary conditions to ENGINEER for inclusion in the front-end documents.
 - e. OWNER will provide 3D Revit model of the Aeration Trains to ENGINEER for use in developing design drawings.
2. Schedule and conduct 90% design review meeting (include estimated costs).
3. Address final comments.
4. Develop and provide 100% design plans and specifications and final cost estimates to OWNER for review.
5. Provide signed and sealed Contract Documents for Bidding.

Task 3 – Aeration Trains Gate Replacement and Concrete Repairs Bidding

1. Assist OWNER in advertising for and obtaining bids for the Work for each bid package. Cost of advertising will be paid directly by the OWNER.
2. Maintain a record of prospective contractors to which documents have

been issued per bid package.

3. Attend one Pre-Bid Meeting per bid package.
4. Prepare and issue Addenda as appropriate to clarify, correct, or change the issued documents per bid package.
5. Answer questions during Bid per bid package.
6. Review, tabulate and evaluate Bid results per bid package. Consult with OWNER as to the qualifications of prospective contractors.
7. Upon award of the Construction Contract, ENGINEER shall furnish three executed copies of the Contract Documents (OWNER, CONTRACTOR, ENGINEER) and one electronic copy of the signed documents, including Drawings and Specifications per bid package.

3. The project schedule shall be as follows:

Project Schedule	Dates
Finalize Agreement	November 2020
Task 1 – Memo	November 2020 – December 15 th , 2020
Task 2 – Design	November 2020 – February 2021
Task 3 – Bidding (Bid Package 1)	February 2021 – March 2021
Task 3 – Bidding (Bid Package 2)	2022

4. Payments to Engineer shall be as follows:

- a. For services associated with the Scope of Services defined above, OWNER shall pay ENGINEER a Lump Sum Fee of \$27,200.00.

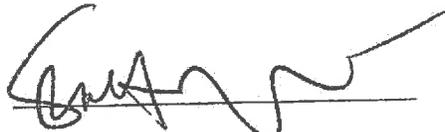
IN WITNESS WHEREOF, the parties hereto have made and executed this AMENDMENT to said AGREEMENT as of the day and year first above written.

OWNER

By: _____

Title: _____

Date: _____



 City Manager
 12/3/20

WRIGHT-PIERCE

Paul F. Birkel

By: _____

Title: _____

Date: _____

Digitally signed by Paul F. Birkel
 DN: cn=Paul F. Birkel, o=US, ou=Wright-Pierce, email=paul.birkel@wright-pierce.com
 Reason: South Portland-Amendment No. 2
 Date: 2020.11.30 15:23:10 -0500

ESTIMATED STAFF EFFORT (HOURS) AND COSTS
 City of South Portland
 Aeration Trains Rehabilitation
 T15761

TAKE OFF DESCRIPTION	Principal in Charge \$225.00	Project Manager \$145.00	Senior Process Engineer \$198.00	Project Engineer \$118.00	Process CAD Technician \$75.00	Structural Engineer \$195.00	Structural CAD \$35.00	Electrical Engineer \$197.00	Admin. Assistant \$41.00	TOTAL HOURS	NON-LABOR COST	LABOR COST	TOTAL
1 Design													
a Project Management	2	0								10		\$1,630	\$1,630
b Review Existing Plans and Specs		4								4		\$580	\$580
c Site Visit	2	4		1						7	\$1,100	\$1,100	\$2,270
d Preliminary Design Memorandum	1	6		6						17		\$2,335	\$2,335
e Develop Base Plans		1			6					7		\$715	\$715
f 90% Drawings		1		3						4		\$409	\$409
g 90% Specifications		2	2	12	16		4			34		\$6,540	\$6,540
h 90% Specifications		2	2	12	16		4			34		\$6,540	\$6,540
i Cost Estimate	1	2		6					6	11		\$4,052	\$4,052
j 95% Design Review Meeting	3	3		6						12		\$1,623	\$1,623
k 100% Plans and Specifications	2	4		6	6	2	2		4	28	\$100	\$1,140	\$1,140
Subtotals	11	39	6	48	28	20	8	4	10	174	\$144	\$3,594	\$3,594
2 Bidding													
a Advertise Project - Package 1				2						2		\$236	\$236
b Bidder's Questions/Audenda - Package 1		2		4						6		\$703	\$703
c Advertise Project - Package 2				2						2		\$236	\$236
d Bidder's Questions/Audenda - Package 2		2		4						6		\$782	\$782
Subtotals	0	4	0	12	0	0	0	0	0	18	\$0	\$0	\$0
TOTAL PROJECT HOURS	11	43	6	60	28	20	8	4	10	190	\$144	\$3,848	\$3,848

Total Labor \$25,848
 Non-Labor \$144
 Subcontractor \$1,100
 Sub Markup \$110
 Total Fee \$27,200

Gove,Justin

From: Gove,Justin
Sent: Wednesday, November 17, 2021 2:01 PM
To: Parks,Tim; Weeks,Brad
Subject: RE: Aeration Train 2
Attachments: South Portland Aeration Req. 4 (003).pdf

Brad,

Attaching a copy of the latest pay requisition for the Aeration Train 2 construction project. You'll note that we are significantly over on the following items:

- Cementitious Overlay (\$8,640 of 96% over schedule of values)
- Crack Repair (\$23,885 of 281% over schedule of values)
- Reseal Joints (\$9,568 or 109% over schedule of values)

The above overages are the result of the Engineer, Wright-Pierce, underestimating the extents of the deterioration of the tanks. For example, the Engineer assumed that 50% of joints would need to be resealed when in fact 100% of the joints required resealing. Additionally, the Engineer significantly underestimated the degree of concrete cracking and damaged overlay.

One item that came in under the schedule of values was Surface Repairs (\$9,515). That is in part due to the fact that much of the surface repair work required fixing defects deeper than the depth specified in the bid documents (i.e. 4"). This was address by Change Order No. 2 which added an additional line item for repairs at depths of 4" to 8".

Work Completed to Date: \$250,793.00

Balance to Finish: \$34,365

Surface Repair balance (which will not be required): (\$9,515)

Projected Total Construction Cost: \$250,793 + \$34,365 - \$9,515= **\$275,643**

Justin Gove, P.E.
Engineer
City of South Portland
207-347-4126
jgove@southportland.org

From: Parks,Tim <tparks@southportland.org>
Sent: Monday, November 1, 2021 1:11 PM
To: Weeks,Brad <bweeks@southportland.org>; Gove,Justin <jgove@southportland.org>
Subject: Aeration Train 2

Justin, here is the summation of the overage for unit price items for aeration train 2

Projected total cost of the construction	\$275,643.00
Original Contract Price	<u>\$239,600.00</u>
Total overage	\$36,043.00

See Pay Req 4 for detailed net unit price overage

Thanks

Timothy A. Parks

Sr. CADD Technician

City of South Portland

Water Resource Protection

Engineering Department

Office 207.767.7675 X7583

Cell 207.809.9673

Email: tparks@southportland.org

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City of South Portland
Capital Project Request Form
Fiscal Year 2023 Capital Improvement Plan

Project Title	Wastewater Outfall Marker Replacement		
Department	Water Resource Protection	Dept. Priority	2
Division	Engineering	Div. Priority	2
CIP Category	Environmental Protection		

Purchase/Project Description

The South Portland Waste Water Treatment Facility discharges treated effluent into the Fore River. The location of the outfall structure is demarcated by a three legged timber dolphin. The existing outfall marker is in failing condition with one of the three legs missing. WRP intends to replace the outfall structure (in kind) to insure the continued protection of the outfall from anchoring vessels and dredging activities.

Financial Impact of this Purchase/Project

The cost to complete this \$35,000 project will come from the Non-GF Reserves/Surplus and the new marker will be maintained in accordance with the Department's ongoing Asset Management Program. While this project will not directly generate revenue, it supports the continued functionality of critical infrastructure. Further, the cost of proactively addressing the marker in poor condition is significantly less than the costs associated with responding to an outfall that has been damaged due to the lack of a marker.

Environmental Considerations

The proper functioning of the City's wastewater outfall structure is essential in ensuring compliance with state and federal water quality regulations.

Funding Source(s)	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.
Borrow/Lease Purchase							\$ -	\$ -
Fund Balance (General Fund)							\$ -	\$ -
General Fund (GF) Reserves							\$ -	\$ -
General Obligation Bonds							\$ -	\$ -
Grants							\$ -	\$ -
Non-GF Reserves/Surplus	\$ 35,000	\$ 35,000					\$ 35,000	\$ 35,000
Prior Year CIP Balances							\$ -	\$ -
TIF							\$ -	\$ -
Trade-In							\$ -	\$ -
Other (explain above)							\$ -	\$ -
TOTALS	\$ 35,000	\$ 35,000	\$ -	\$ -	\$ -	\$ -	\$ 35,000	\$ 35,000
Source of Cost Estimate	Sebago Technic							
Est. Annual Operating Costs	\$0		Projected Useful Life		25	Additional Documentation?	Yes	
City Manager Comments								

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Subject: Outfall Dolphin
Date: 2/9/2021 9:02 AM
From: "Owens McCullough" <omccullough@sebagotechnics.com>
To: "Gove,Justin" <jgove@southportland.org>

Hi Justin,

I spoke with Roger Hale last week and he was the one that installed the dolphin at the wastewater outfall pipe back in the 70's. He said we should budget \$25k to replace the dolphin.

Should budget \$5,500 for me to draft the plans and specs for bidding. I am assuming they will be greenheart marine wood piles (probably 55 feet in length and driven into the bay mud). Roger said that was what he recalled in the past.

Thanks, O-

Owens McCullough, PE, LEED-AP

Senior Vice President, Strategy & Client Development

Sebago Technics, Inc. | An Employee-Owned Company
75 John Roberts Rd., Suite 4A, South Portland, ME 04106
Office: 207.200.2100 | Direct: 207.200.2073 | Fax: 207.856.2206
omccullough@sebagotechnics.com | www.sebagotechnics.com

SEBAGO



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City of South Portland
Capital Project Request Form
Fiscal Year 2023 Capital Improvement Plan

Project Title	WWTF Electrical Upgrade Phase II Design and CA		
Department	Water Resource Protection	Dept. Priority	3
Division	Treatment Systems	Div. Priority	3
CIP Category	Environmental Protection		

Purchase/Project Description

This project is the continuation, and final phase, of three phases of electrical upgrades to the standby generation and, the primary and secondary legs of the treatment plant electrical service. The three phases of work will bring an aging treatment plant electrical infrastructure up to the most recent electrical codes to accommodate all future work performed at the plant. Phase II of the electrical upgrade will include: demolition and replacement of the forty year old existing MCC-1/3 and MCC-2/4 (Motor Control Center), a new power switchboard, and installation of a new MCC to be located in a new interior room.

This work will include the installation of new housekeeping pads for the new relocated MCCs and installation of a new MCC-1 to be fed from the new switchboard installed as part of the previous Electrical Phase I & III upgrades. Upon completion of the wiring of power from the new switchboard to the existing equipment motors and start-up of the new MCC, a new interior room will be constructed around the new MCC to meet the current codes for these levels of power load. The new interior room will also include a new HVAC system to maintain acceptable equipment operating temperatures.

This project was included in the 2021 CIP with funding will be split in the Sewer User Fund with \$575,000 from Fund Balance and \$200,000 from the Treatment Plant Reserve, for a total of \$775,000 in funding. However, when the opinion of probable cost was developed for the project, final design and construction administration costs were not included for this final phase of work. The estimated cost for design and construction administration services are as follows:

- Phase II Final Electrical Design Services: \$112,000 (agreement attached)
- Phase II Final Instrumentation and Control Design Services: \$14,820
- Phase II Construction Administration CA: \$77,500 (estimated at 10% of the construction cost)
- Phase II Total Design and CA Services: \$204,320
- Phase I & III Construction and CA Services savings: \$79,500 + \$53,910 = \$133,410

The cost for the Phase II Design and CA services is offset by construction and CA cost saving from the previous Phase I & III work. The balance to complete the final design and CA services is \$70,910.

Financial Impact of this Purchase/Project

The cost to complete this \$70,910 project will come from the Treatment Plant Reserve. This project will not generate any revenue for the City. Cost for this work will come from WRP reserves account which is funded through the Sewer User Rate. This project is critical to the continued operation of the treatment facility and our ability to comply with our discharge permit requirements.

Environmental Considerations

Maintenance and upgrades of the plants electrical systems are critical to the continued operation of the treatment facility and ongoing water quality measures that it provides. Further, upgrading of the electrical systems will result in increased efficiency and reduced emissions associated with power generation.

Funding Source(s)	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.
Borrow/Lease Purchase							\$ -	\$ -
Fund Balance (General Fund)							\$ -	\$ -
General Fund (GF) Reserves							\$ -	\$ -
General Obligation Bonds							\$ -	\$ -
Grants							\$ -	\$ -
Non-GF Reserves/Surplus	\$ 70,910	\$ 70,910					\$ 70,910	\$ 70,910
Prior Year CIP Balances							\$ -	\$ -
TIF							\$ -	\$ -
Trade-In							\$ -	\$ -
Other (explain above)							\$ -	\$ -
TOTALS	\$ 70,910	\$ 70,910	\$ -	\$ -	\$ -	\$ -	\$ 70,910	\$ 70,910

Source of Cost Estimate	Woodard & Curran PDR and proposal						
Est. Annual Operating Costs	See annual O&M budget	Projected Useful Life	30	Additional Documentation?	Yes		

City Manager Comments

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CITY OF SOUTH PORTLAND CONTRACT APPROVAL FORM

CONTRACT/PROJECT: WTF - Electrical Design Phase II DEADLINE: _____

VENDOR NAME: Woodard & Curran, Inc CONTRACT AMOUNT: \$109,806 T&M
\$111,886 w/Order

Approved By (In Order):

Beard Weeks
Department Director
City of South Portland

11/15/2021
Date

Comments:

EMJ
Ellen Santorn, Finance Director
City of South Portland

11-16-2021
Date

Comments:

4086565 project 19261 bae = 637,506 (+ enc.)

Sally R. Daggett
Sally Daggett, Corporation Counsel (as to form)
City of South Portland

11/16/2021
Date

Comments:

[FOR DEPT. DIRECTOR] ONCE MANAGER SIGNS, PLEASE:

Return to Department Director, who will process the contract

Mail a copy to the Vendor/Other Agency

Other: _____

AMENDMENT TO AGREEMENT
BETWEEN
CITY OF SOUTH PORTLAND AND WOODARD & CURRAN, INC.
FOR
PROFESSIONAL ENGINEERING SERVICES
RELATED TO
WASTEWATER TREATMENT FACILITY - ELECTRICAL DESIGN PHASE 2

This Amendment made the 11th day of November 2021, by and between the City of South Portland, Maine, (herein called Owner), and Woodard & Curran, Inc. (hereinafter called Engineer).

WHEREAS, an Agreement was entered on October 5, 2020, between Owner and Engineer, which Agreement is entitled AGREEMENT BETWEEN CITY OF SOUTH PORTLAND AND Woodard & Curran, Inc. (hereinafter referred to as the "AGREEMENT"); and

WHEREAS, OWNER wishes to engage ENGINEER to perform said services;

WHEREAS, OWNER wishes to engage Engineer to provide expertise and professional services in order to identify the optimal upgrade solution for the WWTF.

NOW, THEREFORE, for the consideration set forth in the AGREEMENT and other good and valuable considerations, it is hereby agreed and acknowledged by and between OWNER and ENGINEER to amend the AGREEMENT with this AMENDMENT with an attached copy which will be made part thereof as if fully set forth herein.

CITY OF SOUTHPORTLAND'S PURCHASE ORDER NUMBER: _____

CITY OF SOUTH PORTLAND'S PROJECT NUMBER: _____

ENGINEER'S PROJECT NUMBER: _____ 234170.00 _____

Via Electronic Email



November 11th, 2021

Brad Weeks, Director
Wastewater Treatment Facility
City of South Portland
111 Waterman Drive
South Portland, ME 04106

Re: Proposal for Engineering Services
Wastewater Treatment Facility Electrical Distribution System Design Phase 2

Dear Brad:

The intention of this proposal and Scope of Work is to define the Professional Services to assist the Owner in developing the Electrical Distribution System Phase 2 Design Plan for the Wastewater Treatment Facility (WWTF) at 111 Waterman Drive, South Portland, Maine.

BACKGROUND

Engineer completed an Electrical Conceptual Design Report in early 2018 culminating from extensive investigation in 2017 at the WWTF. The investigation included review of the aged and obsolete electrical distribution equipment throughout the facility. Engineer investigated the conditions of spaces, mechanical and material conditions of equipment, lighting in each space as well as the electrical system topology. Engineer acquired power monitoring data for the entire facility for the 2016/2017 period resulting in 13 months of data. The data was analyzed to identify peak demand and average power usage at different distribution points throughout the WWTF. Using the power monitoring data along with guidance from Owner staff, Engineer developed load calculations and a series of emergency process loading conditions. The information was utilized to develop a few alternatives which included a new distribution system, electrical room, emergency generator, and MCCs. The alternatives were reviewed with Owner staff at three (3) workshops where Engineer and Owner staff worked collaboratively to identify the optimal solution.

During the City's Fiscal Year 2021, phase 1 and phase 3 of the electrical design were constructed per the Conceptual Design Report. The WWTF is operating currently with a new main switchboard, main pump station MCC, and an emergency generator set.

PROJECT OBJECTIVES

Owner is committed to upgrading the electrical distribution equipment at the WWTF. Owner has engaged the Engineer to provide professional services for design and bid support for Phase 2 of the Electrical Distribution System Design.

The following assignments are necessary to achieve Phase 2 design goals:

- A. Review and analyze the load calculations for the Operations Building MCC
- B. Select the final location of the proposed MCC
- C. Identify conduit and cable routing to equipment loads
- D. Design the MCC and evaluate utilizing integral VFDs or wall mount VFDs



- E. Identify proper design criteria for the equipment foundation slabs
- F. Design of structural interior electrical room
- G. Analyze heating and cooling requirements
- H. Identify potential interferences and re-route existing piping, hangers, supports as needed to support the installation
- I. Coordinate with Owner-contracted Controls & Integration Engineer

SCOPE OF SERVICES

Task 1 –Finalize MCC Design

Engineer will work with Owner to finalize the load calculations for the Operations Building MCC. To accomplish this task, Engineer will review existing power monitoring data, review motor running trend data in SCADA, and discuss operational procedures with staff to identify a worst-case peak demand scenario.

Engineer will work with Owner to determine final design approach with regard to VFDs installed integral to MCC or wall mounted adjacent to MCC structure.

Engineer will develop preliminary one-line drawings and acquire initial vendor equipment costs. Engineer will provide a 30% cost estimate to Owner.

Engineer will review proposed MCC design with Owner-contracted Controls & Integration Engineer. Engineer will provide recommended MCC controls and network infrastructure wiring. We anticipate the Controls Engineer will provide design documents necessary to update any control panel PLC I/O, control panel components, communications equipment, programming, and any impacted local vendor control panel systems.

Task 2 – Design Phase Services

Engineer's Electrical Design will consist of the following major tasks:

- Distribution Equipment Selection
- Raceway/Cable Tray Design
- Electrical room Lighting Design
- Controls Coordination

Engineer's Structural Design will consist of the following tasks:

- Evaluate the existing building floor slab's capacity to support the proposed interior electrical room walls and proposed equipment.
 - If the existing slab or building capacity is determined to be inadequate to support the proposed loads, Engineer will request a change to complete the design to reinforce the building to safely support the proposed loads. The proposed fee is identified in the Attached Fee Breakdown as Task 003A.
- Design of equipment pad(s) to support the new distribution equipment.
- Design of proposed interior electrical room walls and roof
- Repairs to pump room walls, floor and ceiling structure as needed following removal of equipment



Engineer's HVAC and Plumbing Design will consist of the following tasks:

- Evaluate the existing electrical room heating system, including hot water piping, to determine if equipment can be demolished or relocated
- Evaluate the existing electrical room floor and roof drains to determine if piping can be demolished or relocated
- Calculate the heating and cooling requirements for the proposed electrical room
- Calculate and size new heating and cooling equipment, and plumbing for the proposed electrical room

Design Phase Services include attending project meetings; developing project drawings, technical specifications, and cost estimates; providing 60% and 90% progress sets for the Owner to review; incorporating Owner review comments; and providing final construction documents, which include project drawings, specifications, and a final cost estimate to the Owner, as described herein.

- A. Project Meetings: W&C anticipates attending up to three (3) project meetings during the design phase, as follows:
- a. One (1) kick-off meeting to discuss and review design approach and significant decisions to each discipline, and
 - b. Two (2) progress meetings to present each of the design submittal stages (60% and 90%).

Additionally, Engineer will facilitate a bi-weekly project check-in/coordination meetings during design with Owner. The meetings will be held virtually via Teams. In-person meetings may take place depending on current Employer COVID safety guidelines. The purpose of the meetings will be to review outstanding action items and provide coordination between Engineer and Owner staff.

- B. Project Drawings: W&C will develop plan drawings and details identifying the location of the proposed distribution equipment and routing of raceways throughout the Electrical Room and Pump Room as needed. Structural drawings will provide details identifying interior wall and roof design materials, size and supports as needed. Additionally, equipment pad details will be provided for the new MCC. Repair details will indicate level of repair for structural components in the Pump Room. HVAC and Plumbing drawings will indicate the demolition or relocation of existing heating equipment as well as schedules for new HVAC equipment within the proposed electrical room. Electrical drawings will include one-line diagrams, equipment layouts, schedules, and details. Drawings will include standard dimensions, scales, and orientations.
- C. Technical Specifications: W&C will utilize the technical specifications developed during the previous South Portland Phase 1 & 3 Electrical Upgrades Project as a basis for this Project and modify as appropriate. New specifications required shall be reviewed during the appropriate project check-in/coordination meeting with Owner.
- D. Bid Documents: Bid Documents will include the Contract, Plans and Specifications based upon Owner's standard documents. W&C will incorporate Owner's standard front-end documents into the specification package with language identifying the public procurement process, bid requirements, Contractor qualifications, bonding and all other standard Contract language for the proposed Project. Engineer shall incorporate Controls & Integration Engineer provided plans and technical specifications into the Bid Documents.



- E. Opinion of Probable Costs: W&C will prepare an opinion of probable costs for the Work upon completion of the 30%, 90% and final (100%) design submittal.

Task 3 – Bid Phase Services

The Project will be bid through Owner's Standard Public Procurement Process. W&C will provide final Bid Documents to Owner with plan sheets electronically (PDF and AutoCAD DWG formats) and specifications in Word and PDF formats. Engineer will support Owner in responding to technical RFIs submitted during the bid process. Engineer will provide information and revised drawings, for the development of bid addendum, to be prepared and issued by W&C. Engineer understands that Owner will advertise the Project, act as Plan Holder, and provide Plans and Specifications to contractors as requested. Engineer will attend pre-bid meeting. Engineer will assist the Owner with Bid tabulations and bid review and will provide a final recommended bid selection.

ASSUMPTIONS AND CLARIFICATIONS

Engineer will use Autodesk AutoCAD software for production of all design Contract drawings. We anticipate Owner will contract directly with their desired Controls & Integration Engineer.

SCHEDULE

Engineer will commence with Task 1 within 2 weeks of Notice of Award. This Project's schedule is not a critical factor, as relating to the acceptance of provisions for liquidated damages per our Agreement paragraph 3.02G. Engineer estimates the following duration per task:

- Task 1 – Approximately 2 weeks
- Task 2 – Approximately 10 weeks
- Task 3 – Approximately 4 weeks

FEE PROPOSAL

Engineer proposes to perform the Work as described within this proposal on a Time and Material basis, to be billed monthly based upon Work completed, not to exceed the overall amount of **\$108,806**.



TERMS AND CONDITIONS

Terms and Conditions of this Work will be per the executed *Agreement between Owner and Engineer for Professional Services*, effective October 5th, 2020. If this proposal is acceptable to you, please indicate your agreement by signing this letter and returning a copy for our records. We can begin our Work upon an email authorization, with the understanding that an executed copy of this proposal will be forthcoming.

We welcome any questions you may have on this. Please do not hesitate to call us at (207) 774-2112.

Sincerely,

WOODARD & CURRAN INC.

Barry Sheff, P.E.
Senior Principal

Andrew J. Fitzpatrick, P.E.
Senior Technical Manager

Attachment: Fee Breakdown

Accepted this 22 Day of Nov, 2021

By:

Title: City Manager



Attachment: Fee Breakdown

Engineering Fee Services Proposal - Electrical Upgrades Phase 2

Staff Role	Senior Principal	Senior Project Manager/ Technical Manager	Senior Project Engineer (ELEC)	Engineer 1 (ELEC)	Engineer 1 (STRUC)	Engineer 3 (STRUC)	Technical Manager (STRUC)	Technical Manager (HVAC)	Designer 3 (HVAC)	Designer 3 (ELECT)	Senior Project Engineer (COST EST)	Project Assistant	Hours by Phase	Labor Cost	Labor Fee	Expense Budget	Sub-Contract	Budget Summary
Project Team Member	Barry Sheff	Andy Fitzpatrick	Patrick Halpin	Conner Sheets	Laine McKay	Zach Bowen	Sean Tarbox	Vincent Grassi	HVAC Designer	Stacy Adams	Kris Rosner	Jen Hodgens						
Billing Rate	\$225.00	\$215.00	\$179.00	\$130.00	\$130.00	\$154.00	\$182.00	\$182.00	\$126.00	\$126.00	\$179.00	\$97.00						
Work Tasks	Hours Estimates																	
Phase 001 - Finalize MCC Design	2	4	18	24	0	4	0	4	0	0	8	8	70	\$	\$10,846			\$10,846
Task 0001 - PM ADMIN	2	4	6									8	20	\$	\$3,100			\$3,100
Task 0002 - MCC Design			10	24		4		4			8		50	\$	\$7,686			\$7,686
Phase 002 - Design Phase Services	4	52	76	226	60	56	10	32	8	24	20	50	618	\$	\$91,594			\$91,594
Task 0001 - PM ADMIN	2	40		226								50	92	\$	\$13,900			\$13,900
Task 0002 - Electrical Design		4	60	226						24			314	\$	\$44,004			\$44,004
Task 0003 - Structural Design					60	40	10						110	\$	\$15,780			\$15,780
Task 0003A - Floor Supports (add'l)						20							20	\$	\$3,080			\$3,080
Task 0004 - HVAC & Plumbing								24	8				32	\$	\$5,376			\$5,376
Task 0005 - Cost Estimating											16		16	\$	\$2,864			\$2,864
Task 0006 - Meetings	2	8	16			16		8			4		54	\$	\$9,670			\$9,670
Phase 003 - Bid Phase Services		2	8	8		8		8				8	42	\$	\$6,366			\$6,366
Hours Totals by Employee	6	58	100	258	60	68	10	44	8	24	28	66	730					
Budget Amounts	\$1,350	\$12,470	\$17,900	\$33,540	\$7,800	\$10,472	\$1,820	\$8,008	\$1,008	\$3,024	\$5,012	\$6,402		\$	\$108,806	\$	\$	\$108,806
with Task 003A Adder	\$0	\$0	\$0	\$0	\$0	\$3,080	\$0	\$0	\$0	\$0	\$0	\$0		\$	\$111,886	\$	\$	\$111,886



30 Danforth Street, Suite 108
Portland, ME 04101

P: 508-598-4382

ameresco.com

**South Portland WWTP Electrical Distribution System Design Phase 2
Proposal for Engineering Services - Controls**

December 16, 2021

Mr. Brad Weeks, Director
Water Resources Protection, City of South Portland
111 Waterman Drive
South Portland, ME 04116-9422

Dear Brad:

Ameresco is pleased to submit our proposal for the controls portion of the Phase 2 Electrical Distribution System Design. We propose providing engineering design services on a Time and Material basis with a not to exceed amount based on the following scope:

Scope of Work

Ameresco proposes the following scope of work:

- Attend design kickoff meeting
- Attend biweekly meetings during the 12 weeks of design
- Attend two design workshops, 2hrs each.
- Attend Pre-bid meeting.
- Coordinate with Woodard and Curran to support their electrical design activities including the following:
 - Providing I/O lists from each PLC that controls affected equipment where its electrical equipment is being moved to the new electrical room.
 - Provide details of the new RAS/WAS control panel enclosure, including part number, dimensions, and preferred location in the new electrical room, to be included on Woodard and Curran's electrical design drawings.
 - Provide input to generate an equipment cut-over plan for the electrical and control upgrades and still maintain operations, allowing re-use of the existing RAS/WAS control panel components.
 - Specify network connection location for the new MCC.
 - Calculate I/O requirements for the relocated RAS/WAS panel based on electrical design.

At this point, Ameresco does not anticipate providing any bid specifications or design drawings as part of the design deliverables with these two possible exceptions:

- If the decision is made to convert the old RAS/WAS panel into a junction box, Ameresco will provide a backplane design drawing that can be included in the electrical drawing set.
- If additional I/O is required in the relocated RAS/WAS panel that exceeds the existing panel's spare I/O capacity, Ameresco will design modifications to the panel to accommodate the added I/O.

Construction Administration and System Integration scope and fee will be developed at a later date, dependent on the outcome of the design.

Schedule

The schedule will follow the schedule outlined in the November 11th, 2021 Woodard and Curran proposal for engineering services for the WWTP Electrical Distribution System Design Phase 2.

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Fee Proposal

Ameresco proposes completing the work as described on a Time and Material basis based on the October 5, 2020 Fee schedule with a not to exceed sum of **\$14,820.00**. We will be available on an as-needed basis.

Terms and Conditions

Terms and Conditions of this work will be per the executed Agreement between Owner and Firm for Municipal Services, effective October 5, 2020.

Sincerely,

A handwritten signature in black ink, appearing to read 'RM', with a long horizontal flourish extending to the right.

Rob Meharg, PE
Manager – Plant Automation

5. OPINION OF PROBABLE COST

5.1 OPINION OF PROBABLE COST SUMMARY

Based on the information in this report, the Engineer's estimate of probable construction cost is \$3,397,500. This includes a contingency of 20% percent. Preliminary quantity take-offs were made with costing data from RSMEANS. Equipment bid quotes were gathered from local vendors. Refer to Appendix J for Equipment bid quotes. The project final design and construction administration costs will be provided at a later date.

Table 3: Overall Construction Costs

Phase 1: Generator, ATS, Switchboard	
Construction Costs	\$1,300,000
Contingency: (20%)	\$260,000
General Conditions (15%)	\$200,000
Contractor OH & Profit (20%)	\$260,000
Phase 1 SubTotal:	\$2,020,000
Phase 2: MCC-1 and Room Addition	
Construction Costs	\$500,000
Contingency: (20%)	\$100,000
General Conditions (15%)	\$75,000
Contractor OH & Profit (20%)	\$100,000
Phase 2 SubTotal:	\$775,000
Phase 3: Remaining MCC Replacement	
Construction Costs	\$350,000
Contingency: (20%)	\$100,000
General Conditions (15%)	\$52,500
Contractor OH & Profit (20%)	\$100,000
Phase 3 SubTotal:	\$602,500
Project Total:	\$3,397,500

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City of South Portland
Capital Project Request Form
Fiscal Year 2023 Capital Improvement Plan

Project Title	Chlorination Upgrade		
Department	Water Resource Protection	Dept. Priority	4
Division	Treatment Systems	Div. Priority	4
CIP Category	Environmental Protection		

Purchase/Project Description

As required by our State of Maine Wastewater Discharge permit, the treated effluent from the wastewater treatment plant is chlorinated/dechlorinated prior to discharge to the receiving river, Fore River. Our chlorination/dechlorination season has been from May to October of each year. After the chlorination process is complete at the end of the chlorine tank which is the last process in the system at the treatment plant, the entire waste stream is treated with Sodium Bi Sulfite which neutralizes the chlorine before being discharged to the Fore River. This step ensures no excess chlorine is discharged to the Fore River. However, starting with the 2022 disinfection season per our permit, we must now chlorinate/dechlorinate year round. This CIP item is to add supplemental treatment equipment to the process to make certain we meet this new permit requirement. Additionally, this project covers winterizing the entire chlorination/dechlorination system.

\$50,000 Design
 \$250,000 Construction

Financial Impact of this Purchase/Project

This project will not generate any revenue for the city. This project will allow us to remain in compliance with the discharge requirements from DEP.

Environmental Considerations

Converting the disinfection system to year round use beginning in 2022 is a requirement issued by the Maine DEP. EPA takes the position that for discharges to Class SB and SC waters, it is appropriate to require year-round disinfection for the protection of the designated use of "propagation and harvesting of shellfish".

Funding Source(s)	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.
Borrow/Lease Purchase							\$ -	\$ -
Fund Balance (General Fund)							\$ -	\$ -
General Fund (GF) Reserves							\$ -	\$ -
General Obligation Bonds							\$ -	\$ -
Grants							\$ -	\$ -
Non-GF Reserves/Surplus	\$ 300,000	\$ 300,000					\$ 300,000	\$ 300,000
Prior Year CIP Balances							\$ -	\$ -
TIF							\$ -	\$ -
Trade-In							\$ -	\$ -
Other (explain above)							\$ -	\$ -
TOTALS	\$ 300,000	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ 300,000
Source of Cost Estimate	Wright-Pierce Proposal							
Est. Annual Operating Costs	Annual O & M Budget		Projected Useful Life		20	Additional Documentation?		Yes
City Manager Comments								

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City of South Portland
Capital Project Request Form
Fiscal Year 2023 Capital Improvement Plan

Project Title	Disinfection Drain Pump Replacement		
Department	Water Resource Protection	Dept. Priority	5
Division	Treatment Systems	Div. Priority	5
CIP Category	Environmental Protection		

Purchase/Project Description

The disinfection drain pump (Crown Pump) is in need of replacement. The pump is part of the system that is used frequently to allow us to drain an aeration train, CSO clarifier, bypass splitter box, flow meter pit, or the chlorine tank for operational or maintenance reasons. The discharge from this pump goes back to the head end of the treatment plant. The current pump has been in place since 1995 and has reached the end of its useful life. This pump has a typical 25 year life expectancy. Our plan is to buy and install this new pump in-house and then rebuild the existing one to have as a spare.

Financial Impact of this Purchase/Project

This project will not generate any revenue for the city. This new pump will have an increased pump efficiencies which should in return should reduce the electrical operating costs. A failed pump where we currently don't have redundancy would require staff to use portable pumps. This involves significant man-hours and adds safety concerns.

Environmental Considerations

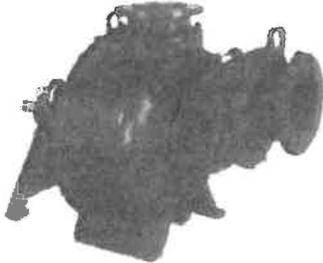
The breakdown of the pump could cause the draining of the CSO stored tanks after a storm event to not be properly cleaned and could contribute to excess solids leaving the facility during the next storm event.

Funding Source(s)	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.
Borrow/Lease Purchase							\$ -	\$ -
Fund Balance (General Fund)							\$ -	\$ -
General Fund (GF) Reserves							\$ -	\$ -
General Obligation Bonds							\$ -	\$ -
Grants							\$ -	\$ -
Non-GF Reserves/Surplus	\$ 24,819.24	\$ 24,819.24					\$ 24,819.24	\$ 24,819.24
Prior Year CIP Balances							\$ -	\$ -
TIF							\$ -	\$ -
Trade-In							\$ -	\$ -
Other (explain above)							\$ -	\$ -
TOTALS	\$ 24,819.24	\$ 24,819.24	\$ -	\$ -	\$ -	\$ -	\$ 24,819.24	\$ 24,819.24

Source of Cost Estimate	Pump Products Online Quote						
Est. Annual Operating Costs	Annual O & M Budget	Projected Useful Life	25	Additional Documentation?	YES		

City Manager Comments

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Crown 6C05D-0012F-031, PO6LB-12F Series, Self Priming Solids Handling Pump, PUMP ONLY, 6" NPT Suction, 6" NPT Discharge

SKU #: 6C05D-0012F-031

Brand: Crown

[Available For Order!](#) (Usually Ships 7-10 Days)

[Free Shipping](#)

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[Share](#)



ResellerRatings
Excellent
11/30/21

★★★★★

0 reviews for this product

Price:

\$24,819.24

[Call Sales Counter!](#)
[Calculate Shipping](#)

Ship Weight
(220.00 lbs)

DESCRIPTION

Questions?



1-800-429-0800

FEATURES

Crown PO6LB Series Self Priming Solids Handling Pump

Crown offers a broad range of engineered self-priming centrifugal pump for a variety of light to heavy-duty wastewater applications. Designed specifically for unscreened raw sewage or industrial waste applications.

Features:

- Cast Iron Construction
- Two vane, ductile iron open impeller
- High carbon steel shaft
- Corrosion resistant hardware

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City of South Portland
Capital Project Request Form
Fiscal Year 2023 Capital Improvement Plan

Project Title	2023 Sewer Lining		
Department	Water Resource Protection	Dept. Priority	6
Division	Collections Systems	Div. Priority	1
CIP Category	Environmental Protection		

Purchase/Project Description

The goal of the sewer lining program is twofold; the rehabilitation of pipes that are in poor condition and at risk of failure; and the reduction of infiltration into the pipes which, in turn, contributes to the mitigation of combined sewer overflow (CSO) events. This will be our second year moving forward with this sewer lining program. Pipes to be lined are selected based on WRP's ongoing asset management program which considers the likelihood of pipe failure and the consequence of failure. We also consider the degree of infiltration and the impact of said infiltration on our remaining CSO locations. *In situ(trenchless)* pipe lining utilizes a liner reinforcement effectively replacing the existing deteriorating pipe. This "pipe within a pipe" approach has been used successfully for decades to minimize disruption created by traditional excavation and replacement projects. The following pipe segments have been selected for the FY 22/23 lining program:

6_7-6_10: This section of gravity sewer pipe is located in Willard Beach directly upstream of our Willard Beach Pump Station. Video inspection of the pipe indicates cracking and several small holes. These pipe defects are particularly problematic because they allow sand into the pipe which ends up at the pump station resulting in increased wearing of the pipes, valves and appurtenances. Lining of this section of pipe will mitigate the infiltration of sand and groundwater while addressing existing structural issues.

4A_64A-4B_3: This section of pipe is located in Broadway near the intersection with Cottage Road. Video inspection indicates significant cracking of the pipe, an indication of potential failure. The location of this pipe makes it a good candidate for trenchless rehabilitation as lining will have significantly less impact on this heavily traveled road.

5B_3A-5B_4: This section of gravity sewer is located cross-country between Willow and Preble Streets. Video inspection of the pipe indicates significant root intrusion issues that can only be permanently addressed by replacing the pipe or lining. Lining is the preferred method due to the reduced impacts and cost.

Financial Impact of this Purchase/Project

The cost to complete this \$250,000 project will come from the Non-GF Reserves/Surplus and the new lining pipe will be operated and maintained in accordance with the Department's ongoing Asset Management Program. Funds for routine maintenance costs are included in the Collection Systems Division's annual operating budget. While this project will not directly generate revenue, it supports the continued functionality of critical infrastructure. Further, the cost of proactively addressing sewer pipes in poor condition is significantly less than the costs associated with responding to a failed, i.e. collapsed, sewer pipe.

Environmental Considerations

The proper functioning of the City's sewer system is essential in ensuring compliance with state and federal water quality regulations. Additionally, the relationship between minimizing infiltration and/or exfiltration for the City's sewers is critically important for our stormwater system to maintain the capacity and resilience needed to be adequately prepared for rising sea levels in intensifying storm surges.

Funding Source(s)	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.
Borrow/Lease Purchase							\$ -	\$ -
Fund Balance (General Fund)							\$ -	\$ -
General Fund (GF) Reserves							\$ -	\$ -
General Obligation Bonds							\$ -	\$ -
Grants							\$ -	\$ -
Non-GF Reserves/Surplus	\$ 250,000	\$ 250,000					\$ 250,000	\$ 250,000
Prior Year CIP Balances							\$ -	\$ -
TIF							\$ -	\$ -
Trade-In							\$ -	\$ -
Other (explain above)							\$ -	\$ -
TOTALS	\$ 250,000	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ 250,000

Source of Cost Estimate	Vortex Services - Northeast						
Est. Annual Operating Costs	See annual O&M budget	Projected Useful Life		50	Additional Documentation?		Yes

City Manager Comments

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OBJECTID	Material	PipeID	Street	PipeSize	Depth_Max	SHAPE_Length	Final_CoF	LoF_Cond	LoF_HydPer	LOF_80/20	Risk	Notes	
1860	RCP	1E_3-1E_2	Southeast Rd	36	14.13000011	659.8255548	4.6	4.6	5	4	4.8	22.08	Two small holes 50' apart. Holes looked drilled, not breaks (odd). Recommend replacing that section. Other option would be to line the pipe. Will require bypass pump. I don't consider this to be a significant priority.
286		7_1-13_102E	Jefferson St	30	7.329999924	275.9174337	4.6	4.6	5	2	4.4	20.24	Pipe is sound no issues
1588	VC	1E_42-1E_39	Huntress Ave	10	7.409999847	124.4639466	4	4	5	5	5	20	Pipe is sound no issues
94	VC	1C_2-1C_1	Elizabeth Taylor Ln	24	7.970399771	175.7224238	4.4	4.4	5	2	4.4	19.36	Pipe is collapsing at 2 locations. HIGH priority. Pipe is only 7' away from face of building. Good candidate for a lining project. Cracks starting to collapse since 2018.
1170		2C_5C-2C_2	Broadway	12	7.139999866	258.2291115	4.4	4.4	5	2	4.4	19.36	WC appears to have incorrect CUFES score, actual score is 54.53. Only observed defects are roots.
1956	RCP	1D_4-1D_3	Bowdoin Ave	39	13.49899939	203.6648364	4.6	4.6	4	5	4.2	19.32	Significant sags with much of the pipe underwater. Pipe appears to be structurally sound. I'd hold on this (and 1E_3-1E_2) until we know what is going on with long term CSO plan.
1560	VC	1E_40A-1E_41	Broadway	15	7.329999924	312.3538244	4	4	5	4	4.8	19.2	Longitudinal cracking (70'). I would extend lining from 1E_51C to 1E_38 as the entire section is in poor condition. Total length: 930'
1953	RCP	1D_6-1D_5	Bowdoin Ave	36	13.65999985	259.6615364	4.6	4.6	4	4	4	18.4	Severe sag. I'd hold on this (and 1E_3-1E_2) until we know what is going on with long term CSO plan.
1245	VC	1A_24-1A_14	Elm St	18	17	250.2943442	4	4	5	3	4.6	18.4	Addressed during the Pleasantdale CSO project.
2363	VC	1F3_10B-1F3_10A	XC Cornell to Rigby Trunk	10		85.80635653	3.8	3.8	5	4	4.8	18.24	Lots of root issues. I would line from 1F3_12 to 1F3_10. Total length: 820'
1650	PVC	1E_37A-1E_37	XC to Broadway from SPHA_1	8	8	300.0884672	4.3	4.3	4	5	4.2	18.06	One offset joint, fernco visible. Minor issue
2116	VC	1H_32-1H_33	Main St	12	8.070003052	236.8197507	3.7	3.7	5	4	4.8	17.76	Pipe appears to be in fair condition, primary issue is roots. Good candidate for lining.
1382	VC	1A_29-1A_24B	Elm St	18	15.95000076	149.374487	4	4	5	2	4.4	17.6	Buckled liner at 20.5', recommend monitoring or spot repair
211	VC	5B_3A-5B_3	XC_PrebSt_WillowSt	15	8.840000153	290.4916987	4	4	5	2	4.4	17.6	Pipe appears to be in fair condition, primary issue is roots. Good candidate for lining.
544	VC	5B_4-5B_3A	XC_PrebSt_WillowSt	15	6.159999847	244.9359093	4	4	5	2	4.4	17.6	Pipe appears to be in fair condition, primary issue is roots. Good candidate for lining.
2160	VC	1C_20A-1C_19	XC_AlfredSt_BonnybankTerrace	15	5.5	201.3682881	4	4	5	2	4.4	17.6	Significant cracking, could be lined.
2941	VC	4A_68D-4A_68C	XC_Third St to High St PS	20	9.549999084	88.09186904	4	4	5	2	4.4	17.6	Pipe in poor condition with significant cracking and breaks. Line or replace
239	VC	6A_5A-6A_5	Myrtle Ave	18	6.5	407.7810184	4	4	5	2	4.4	17.6	Significant cracking over the first 10". This part of a much longer run of poor 24" pipe. Really should consider a more substantial lining program from here to Docks (1,050' total).
2078	VC	1C_17-1C_18	Bonnybank Ter	24	7.909999847	280.1487017	4	4	5	1	4.2	16.8	Root in joint (Heavy). Assume it has been addressed since inspection in 2012.
55	VC	1C_35A-1C_34A	XC_AlfredSt_BonnybankTerrace	15	6.539965955	147.2916744	4	4	5	1	4.2	16.8	Roots and debris. O&M issues.
2107	VC	1C_21-1C_17	Romano Rd	15	7.659999847	269.3198597	4	4	5	1	4.2	16.8	Very Heavy roots. O&M issue.
1751	VC	1B_20-1B_22	Church St	12	10.65999985	256.0151411	4	4	5	1	4.2	16.8	Collapsed pipe. Candidate for a spot repair by our guys.
2232	VC	1C_35B-1C_35A	Alfred St	8	6.169965955	328.1923023	4	4	5	1	4.2	16.8	Only issue is infiltration at one location.
49	ACP	1D_17-1D_17A	XC_HemcoRd_ChambersAve	18	8	136.3572151	4	4	4	5	4.2	16.8	Hole in pipe. This is the 18" on Willard that is in the pipeline for replacement. May also want to consider 6A_4-6A_5 at the same time.
474	CMP	6_7-6_8	XC_MyrtleSt_PS_18	18		207.4546658	3.8	3.8	5	2	4.4	16.72	Marsh road, work is complete.
1724	VC	4B_47-4B_46	XC_SawyerBrookCir_SouthRichlandSt	15	4.5	261.8004725	3.8	3.8	5	2	4.4	16.72	Serious root issues. O&M issue (low priority candidate for lining)
1763	VC	2C_42B-2C_42A	XC_Sawyer St to Providence Ave	15		541.9424094	3.8	3.8	5	2	4.4	16.72	Broken pipe and sag in the first 15'. Good candidate for repair by our guys.
2228	VC	1D_20-1D_19	Hemco Rd	10	7.800000191	346.9089868	3.4	3.4	5	4	4.8	16.32	Longitudinal cracking for 100'
858	VC	4A_64A-4A_64	Broadway	15	8.579999924	299.1383065	3.7	3.7	5	2	4.4	16.28	

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City of South Portland
Capital Project Request Form
Fiscal Year 2023 Capital Improvement Plan

Project Title	Ordinance Chapter 22 Sewers and Drains Update		
Department	Water Resource Protection	Dept. Priority	7
Division	Engineering	Div. Priority	2
CIP Category	Environmental Protection		

Purchase/Project Description

The current version of the South Portland Chapter 22 Sewer and Drains Ordinance was enacted August 18, 1975. The ordinance has been periodically updated with the most recent update occurring in 1995. Since the enactment, and subsequent revisions, there have been a number of significant changes to industry standards for construction methods, materials, and testing of sewers and drains. The proposed ordinance update will address these changes. Additionally, the ordinance update will include provisions to address the need to incorporate additional resiliency measures for areas of the City that have been identified as being at risk of coastal flooding in the One Climate Future Plan.

Financial Impact of this Purchase/Project

The cost to complete this \$20,000 project will come from the Non-GF Reserves/Surplus. While this project will not directly generate revenue, it dictates the means and methods for the installation of critical infrastructure. Further, we expect proactively addressing the impacts of climate change and sea level rise to our sewer and drain infrastructure will ultimately result in significantly less cost than responding retroactively.

Environmental Considerations

The proper construction of sewers and drains is essential in ensuring compliance with state and federal water quality regulations. Additionally, updating the design standards for sewers and drains to increase resiliency to coastal flooding will reduce the environmental impacts of said flooding.

Funding Source(s)	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.
Borrow/Lease Purchase							\$ -	\$ -
Fund Balance (General Fund)							\$ -	\$ -
General Fund (GF) Reserves							\$ -	\$ -
General Obligation Bonds							\$ -	\$ -
Grants							\$ -	\$ -
Non-GF Reserves/Surplus	\$ 20,000	\$ 20,000					\$ 20,000	\$ 20,000
Prior Year CIP Balances							\$ -	\$ -
TIF							\$ -	\$ -
Trade-In							\$ -	\$ -
Other (explain above)							\$ -	\$ -
TOTALS	\$ 20,000	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ 20,000	\$ 20,000

Source of Cost Estimate	Sebago Technics							
Est. Annual Operating Costs	NA		Projected Useful Life		20	Additional Documentation?		No

City Manager Comments

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City of South Portland
Capital Project Request Form
Fiscal Year 2023 Capital Improvement Plan

Project Title	Long Creek Pump 3 Installation		
Department	Water Resource Protection	Dept. Priority	8
Division	Treatment Systems	Div. Priority	1
CIP Category	Environmental Protection		

Purchase/Project Description

The Long Creek Pump Station was constructed in 2011. The station was designed with spaces for 4 pumps. The space for Pump 3 was left vacant and remains vacant today. Currently, Pump 2 (manufacturer Flow Serve) is the primary duty pump for normal daily operating flows and has not been reliable. The pump has failed numerous times and has been rebuilt each time. Recently, Pump 2 failed again in 2020 and the repair cost would have exceeded the value of buying a new one. A new pump was installed and failed within 10 months of installation only to be rebuilt under warranty again. Moving forward we are changing pump manufacturers to Flygt for the new pump which will occupy space three. With the current issues of non-reliability with Pump 2, we are looking to install Pump 3 now to provide us with some redundancy to Pump 2. If this new pump shows to be reliable, then the next time Pump 2 fails, we will swap that one out to a Flygt pump as well. Pump 1 and 4 are designated as the storm pumps and are sized to handle the max pump station flow of 8.1 MGD during a storm event.

This work will be done in-house. The components and costs are:

- VFD Cabinet \$23,993
- Pump 3 \$61,288
- Valves \$26,174
- Supplemental Items (conduit, wiring, piping): \$50,000

Financial Impact of this Purchase/Project

If Pump 2 fails, either Pump 1 or Pump 4 will come on. Pump 1 and 4 are 250 hp pumps, while Pump 2 is a 50 hp pump. To run Pumps 1 and 4 for typical daily operations normally requiring 50 hp is, inefficient and requires more electricity to operate.

Environmental Considerations

The installation of Pump 3 will build redundancy into the system to allow us to run at optimal pumping conditions during normal daily flows.

Funding Source(s)	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.
Borrow/Lease Purchase							\$ -	\$ -
Fund Balance (General Fund)							\$ -	\$ -
General Fund (GF) Reserves							\$ -	\$ -
General Obligation Bonds							\$ -	\$ -
Grants							\$ -	\$ -
Non-GF Reserves/Surplus	\$ 161,455	\$ 161,455					\$ 161,455	\$ 161,455
Prior Year CIP Balances							\$ -	\$ -
TIF							\$ -	\$ -
Trade-In							\$ -	\$ -
Other (explain above)							\$ -	\$ -
TOTALS	\$ 161,455	\$ 161,455	\$ -	\$ -	\$ -	\$ -	\$ 161,455	\$ 161,455
Source of Cost Estimate	Xylem and Stultz Electric Quotes and Staff Recommendations							
Est. Annual Operating Costs	Annual O & M Budget		Projected Useful Life	20 years	Additional Documentation?	Yes		
City Manager Comments								

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Timken Motor & Crane Services LLC
 Stultz Electric
 190 Riverside Street, 4A
 Portland, ME 04103

QUOTATION
Quote Number: 68370
Quote Date: 6/14/2021
Please reference this quote number on all correspondence

Thank you for your inquiry. We are pleased to offer this quote for your consideration.

To: Water Resource Protection
 P.O. Box 9422
 South Portland, ME 04116-9422
 USA

Ship To: Water Resource Protection
 111 Waterman Dr.
 South Portland, ME 04116
 USA

Quote Description: 60HP Toshiba VFD Cabinet

Quote Reference: Lon Creek
PO Reference:

Attn: Frank Moulton
 Phone: 207-767-7675x7570
 Fax: 207-767-5697
 Email: fmoulton@southportland.org

Sales Rep: Deyesso, Daniel
 110 Commerce St.
 East Haven, CT 06512
 USA
Phone: +1 781 552 1293
Fax:
Email: dan.deyesso@schulzelectric.com

Inside: Merrill, Paul
 190 Riverside St., Unit 4A
 Portland, ME 04103
Phone: +1 207 699 2501
Fax:
Email: paul@stultzelectric.com

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 • Large Machining
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 • Custom Controls & Integration

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 • Oil Analysis
 • Transformer Turn ratio Testing
 • Power Factor Testing
 • Circuit Breaker Retrofits

Hydroelectric Services
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 • Complete Mechanical Rebuilds and Electrical Rewinds
 • Redesign and Uprate
 • Core Lamination Replacement/Repair
 • Recondition and Rewedge
 • Cryogenic Cleaning

Field Service
 • Motor Installation and Removals
 • AC and DC Drive Repairs, Installations, and Retrofits
 • Laser Alignment Services
 • Vibration Trending and Analysis
 • Infrared Thermography
 • On and Off-Line Motor Testing
 • Engineered Solutions and Energy Efficient Upgrades

Applicable Terms & Conditions (see attached - subject to credit approval)
Terms of Payment: Net 30
Shipping Via:
Freight Payment:
Quote Validity: 30 Days



Each Timken Power Systems Site Independently ISO 9001 Certified



QUOTATION
Quote Number: 68370
Quote Date: 6/14/2021
Please reference this quote number on all correspondence

<i>Item</i>	<i>Part/Description</i>	<i>Qty</i>	<i>Net Price Each</i>	<i>Extended Price</i>	<i>Shipment / Lead Time</i>
1	Part: CP-68370 Description: 60HP VFD Cabinet Comments: Toshiba / Stultz built-up VFD cabinet similar to existing rated 60HP 480-Volt Start-up is additional st \$150.00 per hour.	1	23,993.00	23,993.00	8-12 weeks AA
Quote Total US Dollars (Excludes Options):				\$ 23,993.00	

- For parts orders: On your purchase order please include complete nameplate information.
- To avoid delays, please provide tax exempt certification with your purchase order.

**TIMKEN MOTOR & CRANE SERVICES LLC
STANDARD TERMS AND CONDITIONS OF SALE,
SERVICE, REPAIR, PARTS, MODIFICATION, MAINTENANCE, INSPECTION AND TEST**

1. ACCEPTANCE

All orders are subject to acceptance by Timken Motor & Crane Services LLC ("Seller"). Any acceptance by Seller of Buyer's order is expressly made conditional on Buyer's assent to any additional or different terms and Conditions contained herein, and all sales and charges of the products listed herein shall be, in the case of conflict between the terms and conditions of Buyer and Seller, interpreted and governed exclusively by the terms and conditions contained herein. Seller shall not be bound by any terms and conditions proposed by Buyer, whether in its purchase order or otherwise, which are additional to or different from the terms and conditions set forth herein, unless and only if accepted in writing by a principal officer of the Seller or his designated representative.

2. TAXES

The Seller's prices do not include any applicable sales, use, excise, value added or similar taxes; and the amount of any such tax which the Seller may be required to pay or collect will be added to each invoice unless the Buyer has furnished the Seller with a valid tax exemption certificate acceptable to the taxing authorities.

Where a Buyer fails to furnish the required documentation, the previously unpaid sales, use, excise, or similar tax will be billed to the Buyer.

If, upon subsequent sales, use, excise, or similar tax audit, an exemption certificate provided to the Seller by Buyer is, through no fault of the Seller, determined to be invalid, the Seller will attempt to acquire a valid exemption certificate, notarized affidavit of exempt use, or other necessary documentation from Buyer. If Buyer fails to timely furnish a valid exemption certificate, notarized affidavit or other necessary documentation, the previously unpaid sales, use or similar excise tax will be billed to Buyer.

3. TERMS

Progress payments are required for on any order exceeding \$250,000. Payment shall be due thirty (30) days from date of invoice, which shall be the date of shipment or agreed progress payments as applicable. Amounts past due are subject to a service charge of 1 and 1/2 percent per month (or fraction thereof) or if less, the maximum contract rate permitted by law. If the Seller deems that by reason of the financial condition of the Buyer or otherwise, the continuance of any services or shipment on the terms specified herein is not justified, the Seller may require full or partial payment in advance. The Seller at its option may retain possession of equipment repaired, modified, inspected, tested, maintained or serviced under this agreement until its billings (final or progress) are paid. If such charges are not paid within 90 days following completion of the work and the invoicing to the Buyer, the Seller may upon not less than 7 days written notice by certified mail to the Buyer at the Buyer's last known address sell the equipment at public or private sale and apply the net proceeds to the Seller's charge.

Upon Seller's approval in each case, portions of an invoice in dispute may be deducted and the balance remitted with a detailed explanation of the deduction. Such disputed amounts that are later paid are subject to the above interest charges from the original date due.

4. PRICE POLICY

In the event of a standard Seller price increase or decrease, the price of goods in order will be adjusted to reflect such increase or decrease. As it relates to price decreases, this does not apply to shipment held by request of Buyer. Goods already shipped are not subject to price increase or decrease. Orders placed on a bid or contract basis are not subject to this article and the mutually agreed upon terms within the bid or contract will apply. Seller's prices include the costs of standard domestic packing only. Any deviation from this standard packing (domestic or export), including U.S. government sealed packing, will result in extra charges. To determine such charges, consult Seller's sales offices. The minimum order amount is \$20.

5. DELIVERY

Shipping dates given by the Seller are approximate and are based on prompt receipt of information, equipment, or access to the equipment at the customer's premises if work is performed on said premise.

The Seller will use its reasonable efforts to meet the scheduled dates, however, it cannot be held responsible for its failure to do so for causes beyond its reasonable control and in no event shall it be liable for any loss or damage resulting from its failure to deliver the services within the time specified herein.

6. SHIPPING/HANDLING CHARGES

Shipments are F.O.B. shipping point (or Ex Works) and Buyer assumes all risk of loss or damage to goods in transit, but except to the extent of Seller's proven negligence. Buyer's exclusive remedy for shortage, loss or damage in transit shall be a claim against the carrier. Shipping/handling will be prepaid and billed as a separate item on the equipment invoice on the basis of Seller's current shipping/handling policies. Seller assumes no responsibility for tariff classifications on carriers.

7. CHANGES

Buyer may, with the express written consent of the Seller, make changes in the specifications for equipment covered by the contract in such event the contract price and delivery dates shall be equitably adjusted. The Seller shall be entitled to payment for reasonable profit plus costs and expenses incurred by it for work and materials rendered unnecessary as a result of such changes and for work and materials required to effect said changes.

8. CANCELLATION

Undelivered parts of any order may be canceled by the Buyer only with the written approval of the Seller. If the Buyer makes an assignment for the benefit of creditors, if a voluntary or involuntary petition or action in bankruptcy or for reorganization or under any other insolvency law shall be filed by or against the buyer, or if the Buyer shall admit its inability to pay its debts, if a trustee, receiver or liquidator is appointed for any part of the assets of the Buyer, or if the Buyer fails to make payments to the Seller in accordance with the terms hereof, the Seller may at its option cancel all undelivered parts or any order by written notice to the Buyer. In the event of any cancellation of this order by either party, the Buyer shall pay the Seller the reasonable cost and expense, including engineering expense and all commitments to its suppliers and subcontractors, incurred by the Seller prior to receipt of notice of such cancellation, plus the Seller's usual rate of profit for similar work.

9. RETURN POLICY

Upon prior written approval in each case, the Seller may accept merchandise returns on items normally stocked by Seller under the following conditions. The Buyer contacts the Seller to obtain an RMA (Return Merchandise Authorization) number prior to returning the product. All returns must be made within 30 days of the date of invoice and be accompanied by the original invoice number and a brief explanation of the reason for the return. Return freight charges must be prepaid. All returned merchandise must be in original unopened packaging and in reasonable condition. Parts returned due to customer error will be charged a 25% restocking charge. Special order items are not returnable. Defective merchandise may be returned within 90 day of the original invoice date.

10. ELECTRONIC DATA INTERCHANGE/FACSIMILE (FAX)

Orders placed hereunder by Buyer may be transmitted electronically or via FAX and in such event, such orders shall be subject to the terms and conditions contained in Seller's Electronic Data Interchange Agreement, in addition to the terms and conditions contained herein.

11. REGULATORY LAWS AND STANDARDS

The Seller makes no promise or representation that its product, services or work will conform to any federal, state or local laws, ordinances, regulations, codes or standards, except as particularly specified and agreed upon for compliance in writing as part of the quotation or contract between Buyer and Seller. The Seller prices do not include the cost of any related inspections or permits or inspection fees.

12. EXPORT CONTROL

Products and associated materials supplied or licensed under this agreement may be subject to various export laws and regulations. It is the responsibility of the exporter to comply with all such laws and regulations.

13. PRODUCT AND SERVICE STANDARD

The standards of OSHA, CMAA Crane Manufacturer's Association of America, NEC National Electrical Code, ASME American Society of Mechanical Engineers, AWS American Welding Society, AISC American Institute of Steel Construction will be used where agreed upon in each case and applicable in the manufacture of the crane and crane units. Products of Seller's design and original manufacture will comply with applicable federal government occupational safety, noise, environmental, health and sanitation standards. As related to Buyer's use of the products, Buyer is solely responsible for compliance of the products in their operation with any state or local laws, codes, rules or regulations, and for all necessary precautions and protections to insure the safety of persons, including when Seller's products are used as a component of a larger installation.

14. WARRANTY

A. WARRANTY PERIOD

All sales, repair, inspection, test, rental service, modification or maintenance sold or serviced by the Seller is warranted to be free from defects of material and workmanship and to conform to any applicable drawings, specifications, or written documents approved by the Seller for a period of time as detailed below, or if different, such other period as included in Seller's quote:

1. Reconditioned components: as agreed to by the parties.

2. Recondition and/or standard motor rewind: one (1) year in service or 18 months from date of shipment, whichever occurs first.

3. New Product Sales: one (1) year in service or 18 months from date of shipment, whichever occurs first.

The above warranties shall be based on such equipment operating with competent supervision under normal load, usage and conditions. Seller's warranty excludes issues that arise from incorrect operation or improper maintenance, or external influences.

B. WARRANTY - REPAIR, MODIFICATION, REBUILD

If within the period specified above, the Seller receives from the Buyer written notice of any alleged defect or non-conformity and if the services provided are found by Seller not to be in conformity with this warranty (the Buyer having provided the Seller reasonable opportunity to perform any appropriate test thereon) the Seller will, at its option, correct such nonconformity or supply a replacement thereof. This warranty shall only apply to parts repaired or replaced by the Seller. No separate warranty shall apply to repaired apparatus as a whole or to parts not repaired or replaced by the Seller. The Seller shall have the right to require the Buyer to deliver any apparatus covered by this warranty to a designated service center and the Buyer shall pay both in-bound and out-bound transportation charges, with Seller accepting only the direct and actual cost of apparatus repair or replacement as provided above.

C. EQUIPMENT, COMPONENT AND PARTS WARRANTY

If any of the equipment or component parts provided by the Seller shall prove defective in material and/or workmanship within the warranty period, Buyer shall immediately thereupon notify the Seller in writing of such defect. Where the defect is found by Seller to be covered hereunder, the Seller shall, at its option, modify, repair, supply a replacement part or refund the purchase price of said item. The Seller shall have the option to have the part returned to it, F.O.B. its factory, or to make such adjustment at the point of installation. The Seller shall invoice for all travel and labor involved. The Seller shall accept no responsibility if such item has been improperly operated or maintained or if Buyer has permitted any unauthorized modifications, adjustments and/or repairs to the part. Parts not manufactured by the Seller shall be covered by the warranty of the manufacturer or supplier thereof.

D. WARRANTY - INSPECTION, TEST, MAINTENANCE, CALIBRATION, CONSULTATION

The Seller warrants that these services will be provided in accordance with accepted industry practice. If any service fails to meet the foregoing warranty, the Seller shall duplicate the service to the same extent and on the same conditions as the original service rendered.

E. REMANUFACTURED EQUIPMENT/COMPONENTS

All equipment components remanufactured by Seller will be warranted for a period of one (1) year from date of shipment. Repair of electronic boards will be warranted for a period of six (6) months from date of shipment.

F. NUCLEAR APPLICATIONS

NOTWITHSTANDING ANYTHING IN THESE TERMS TO THE CONTRARY, BUYER SHALL INDEMNIFY, DEFEND AND HOLD HARMLESS SELLER FROM ANY LIABILITY, COST OR EXPENSE ARISING OUT OF OR RELATING TO NUCLEAR MATERIAL AND CUSTOMER SHALL INCLUDE SELLER AS AN ADDITIONAL INSURED ON ANY POLICIES OF INSURANCE THAT COVER NUCLEAR DAMAGE OR LIABILITY AND SHALL WAIVE AND CAUSE ITS CARRIERS TO WAIVER SUBROGATION AGAINST SELLER UNDER SUCH POLICIES

G. EXCLUSIVE WARRANTY

THESE WARRANTIES ARE IN LIEU OF AND EXCLUDE ALL OTHER EXPRESS, IMPLIED OR STATUTORY WARRANTIES, INCLUDING WITHOUT LIMITATIONS, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL THE SELLER BE LIABLE FOR SPECIAL OR CONSEQUENTIAL DAMAGES, OR FOR ANY OTHER LOSS, DAMAGE OR EXPENSE OF ANY KIND, INCLUDING LOSS OF PROFITS ARISING IN CONNECTION WITH THIS AGREEMENT OR WITH THE USE OR INABILITY TO USE THE SERVICES FURNISHED UNDER THIS AGREEMENT. THE SELLER DOES NOT WARRANT THE DESIGN OF ANY EQUIPMENT, MATERIAL, COMPONENTS OR SERVICES OF OTHERS.

15. INSURANCE

Seller shall provide such insurance as is reasonable and customary for the work being provided and that is generally consistent with the coverage that Seller has provided to other customers for which it has performed similar work. Seller maintains the option to self-insure. As an alternative to additional insured designation if any, Seller's insurance may contain blanket contractual liability coverage.

16. SUBCONTRACTING

In providing the work, equipment and component parts hereunder, Seller reserves the right to subcontract the same to third parties.

17. PATENT INFRINGEMENT

The Seller shall defend any suit or proceeding brought against the Buyer so far as the same is based on a claim that any apparatus of the Seller's design furnished hereunder or any part thereof, constitutes an infringement of any United States patents, if notified promptly in writing and given authority, information and assistance (at the Seller's expense) for the defense of the same and if such alleged infringement is not the result of a design or other special requirement specified by the Buyer as the result of the application or the use to which such apparatus is put by the Buyer or others. The Seller will pay all covered damages and costs awarded in such suit or proceeding against the Buyer. In case such apparatus or part is in such suit held to infringe any such patent and the use thereof is enjoined, the Seller shall at its expense either, (a) obtain for the Buyer the right to continue using such apparatus or part, (b) replace the same with non-infringing apparatus, or (c) modify the same so that it becomes non-infringing or, (d) remove said apparatus and refund the purchase price and the transportation and installation costs thereof. The foregoing states the entire liability of the Seller to the Buyer for patent infringement.

18. TITLE

All scrap resulting from the work shall be the property of the Seller. The title and right of possession of equipment upgraded and modified under this contract shall remain with the Buyer, subject to any applicable lien rights of the Seller and to its right of sale in the event of non-payment as provided herein.

19. FORCE MAJEURE

Seller shall not be liable for any loss, damage, expense, cost, product failure, cover, non-performance, delay or breach caused or occasioned by acts of God or any governmental authority, labor disputes (including lockouts), unusual weather conditions, fire, flood, accident, unavailability of materials or components, or late delivery thereof, boycott, embargo, insurrection, riot, civil disturbance, war, exposure to conditions or processes not specified by Seller, or any other cause which is unavoidable or beyond Seller's reasonable control.

20. DISCLAIMER OF DAMAGES

IN NO EVENT SHALL SELLER BE LIABLE FOR ANY TYPE OF SPECIAL, CONSEQUENTIAL, INCIDENTAL OR PENAL DAMAGES, WHETHER SUCH DAMAGES ARISE OUT OF OR ARE A RESULT OF BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE), STRICT LIABILITY OR OTHERWISE. Such damages which are disclaimed shall include but not be limited to loss of profits or revenues, loss of use of the equipment or associated equipment, cost of substitute equipment, facilities, down time costs, increased construction costs or claims of Buyer's customers or contractors for such damages. Buyer agrees that in the event of a transfer, assignment, or lease of the equipment sold hereunder that Buyer shall secure for the Seller the protection afforded to it in this paragraph.

21. LIMITATION OF LIABILITY

The Seller shall not be liable for any loss, claim, expense or damage caused by, contributed to by or arising out of the acts or omissions of Buyer or third parties, whether negligent or otherwise. Seller's liability to Buyer on any claim or cause of action of any kind in contract, tort or otherwise, for any losses, costs, damages, expense, statutory violation, fine or penalty, loss of use, non-performance, exercise of cover or any breach or fault by Seller whatsoever, shall be limited to the purchase price paid by Buyer for the portion of the products or services allocable to the part, component or work out of which the claim arose. Any suit arising hereunder must be commenced within one (1) year from the date the cause of action accrues.

22. DISPUTES

At the sole and exclusive election of Seller, any claim or controversy arising out of or relating to the transaction (s) between Seller and Buyer shall be settled by arbitration administered by the American Arbitration Association ("AAA") and judgment on the award rendered by the arbitrator (s) may be entered by any court or competent jurisdiction. The Arbitrator (s) shall be entitled to award the charges of the arbitrator (s) and the AAA to the prevailing party. Exclusive venue for any arbitration and for any court proceedings shall be as designated by Seller at the time of the action, and Buyer waives any defenses or objections to such venue and consents to such jurisdiction.

23. GOVERNING LAW, LIMITATION PERIOD AND FEES

These Terms and the transaction between Buyer and Seller shall be governed, interpreted and enforced in accordance with the laws of Colorado, without regard to its conflict of laws rules. No claim for breach of contract or warranty shall be asserted by Buyer in any court or arbitration proceeding after one year from the date the cause of action accrues. Seller shall be entitled to recover its reasonable attorneys' fees incurred in connection with collection of all or a portion and/or reasonable additional charges from Buyer.

24. NO RESPONSIBILITY FOR GRATUITOUS INFORMATION OR ASSISTANCE

If Seller provides Buyer with assistance or advice which concerns any parts/products/service supplied hereunder or any system or equipment in which any such part/product/service may be installed and which is not required pursuant hereto, the furnishing of such assistance or advice shall not subject Seller to any liability, whether based in contract, warranty, tort (including negligence) or otherwise.

25. INTERPRETATION

Should any term or provision contained in the contract contravene or be invalid under applicable law, the contract shall not fail by reason thereof but shall be construed in the same manner as if such term or provision had not appeared therein. All transactions covered by these terms and conditions shall be governed by the laws of the state of Delaware. This contract is not assignable by any party hereto; provided, however, that Seller may assign this contract to any purchaser of all or substantially all of Seller's business, whether by stock or asset sale, merger or any other similar transaction.

26. NO OTHER REPRESENTATIONS

There are no understandings, agreements, representations or warranties, either written or oral, relative to the goods that are not fully expressed in these Terms, which supersede or cancel any previous understanding or agreement between the parties with respect to the subject matter of the order. Any subsequent representation made by any person, including distributors, dealers, employees and representatives of Seller, which is inconsistent with or adds to these Terms shall not be binding on Seller unless approved in writing by an officer of Seller.

Rev4. 18 May 2018



Bid Proposal for Quote on Valves

CUSTOMER

SOUTH PORTLAND WATER RESOURCE
1142 HIGHLAND AVENUE
SOUTH PORTLAND, ME 04116

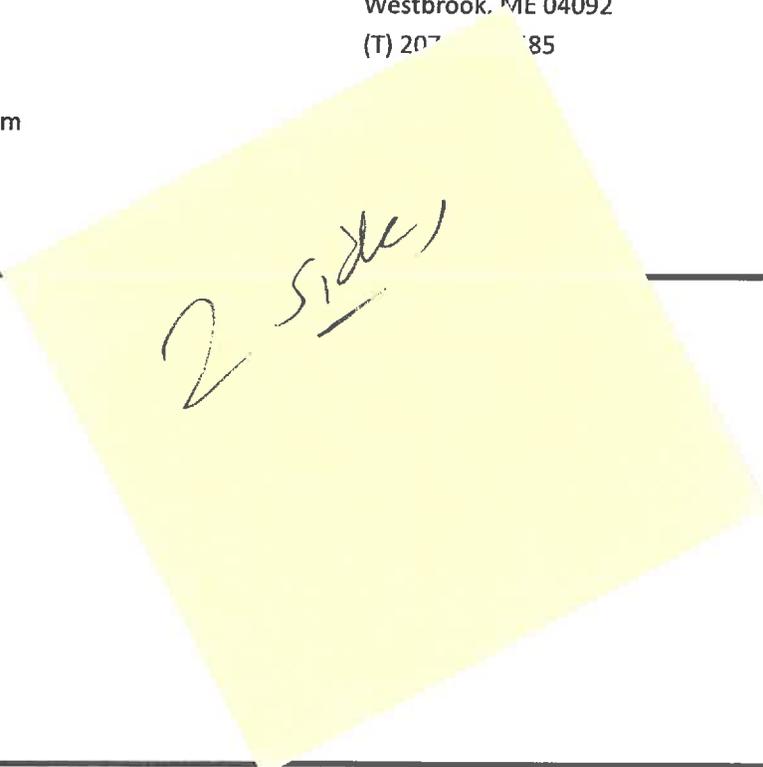
Job
Quote on Valves
Bid Date: 12/09/2021 02:00 pm
Bid #: 2108047

CONTACT

Sales Representative
Bill Green
(M) 207-274-3046
(T) 207-464-0585
(F) 207-854-2644
Bill.Green@coreandmain.com

Core & Main
29 Eisenhower Dr
Westbrook, ME 04092
(T) 207-854-2644

NOTES





Bid Proposal for Quote on Valves

SOUTH PORTLAND WATER RESOURCE
Bid Date: 12/09/2021 02:00 pm
Core & Main 2108047

Core & Main
 29 Eisenhower Dr
 Westbrook, ME 04092
 Phone: 207-464-0585
 Fax: 207-854-2644

Seq#	Qty	Description	Units	Price	Ext Price
DUE TO CURRENT SUPPLY CHAIN DISRUPTIONS, MATERIALS ARE SUBJECT TO PRICING AT TIME OF SHIPMENT. MATERIAL AVAILABILITY AND TIMELINESS OF SHIPMENTS CANNOT BE GUARANTEED. THIS TERM SUPERSEDES ALL OTHER CONTRACTUAL PROVISIONS.					
10	1	1600 RS GV 16" HW FLGXFLG	EA	6,496.00	6,496.00
20	1	16" EPV PLUG VALVE	EA	4,767.00	4,767.00
30	1	16" CK VLV W/ BACKFLOW	EA	14,911.00	14,911.00
40		ACTUATOR & MECHANICAL			
50		INDICATOR			
				Sub Total	26,174.00
				Tax	0.00
				Total	26,174.00

UNLESS OTHERWISE SPECIFIED HEREIN, PRICES QUOTED ARE VALID IF ACCEPTED BY CUSTOMER AND PRODUCTS ARE RELEASED BY CUSTOMER FOR MANUFACTURE WITHIN THIRTY (30) CALENDAR DAYS FROM THE DATE OF THIS QUOTATION. CORE & MAIN LP RESERVES THE RIGHT TO INCREASE PRICES TO ADDRESS FACTORS, INCLUDING BUT NOT LIMITED TO, GOVERNMENT REGULATIONS, TARIFFS, TRANSPORTATION, FUEL AND RAW MATERIAL COSTS. DELIVERY WILL COMMENCE BASED UPON MANUFACTURER LEAD TIMES. ANY MATERIAL DELIVERIES DELAYED BEYOND MANUFACTURER LEAD TIMES MAY BE SUBJECT TO PRICE INCREASES AND/OR APPLICABLE STORAGE FEES. THIS BID PROPOSAL IS CONTINGENT UPON BUYER'S ACCEPTANCE OF SELLER'S TERMS AND CONDITIONS OF SALE, AS MODIFIED FROM TIME TO TIME, WHICH CAN BE FOUND AT:
<https://coreandmain.com/TandC/>



**Xylem Water Solutions USA, Inc.
Flygt Products**

June 9, 2021

Attention: Frank Moulton

Quote # 2021-BOZ-0502

RE: Long Creek Pump Station

99 Stockhouse Road
Bozrah, CT 06334
Tel (860) 889-2343
Fax (860) 889-0673

Xylem Water Solutions USA, Inc. is pleased to provide a quote for the following Flygt equipment for the above referenced project.

Option 1 - Custom Tiered Stand

- (1) Flygt Model NT 3202.095-0173 8" Dry Pit Submersible Pump with 460-Volt, 3-Phase, 60-HZ, 60-Horsepower Motor. Pump is also equipped with 640 Impeller, FLS Leakage Detection, and 50-Feet of Submersible Cable
- (1) Complete 3202 MT 6-Pole Stand
- (1) Cast Iron DN250 X 12" Inlet Elbow
- (1) Mini-CAS & Socket Assembly (for inclusion in the control panel, by others)

Price (includes shipping) = \$ 61,288.00

Option 2 – Conventional T Stand

- (1) Flygt Model NT 3202.095-0173 8" Dry Pit Submersible Pump with 460-Volt, 3-Phase, 60-HZ, 60-Horsepower Motor. Pump is also equipped with 640 Impeller, FLS Leakage Detection, and 50-Feet of Submersible Cable
- (1) 3202 MT T-Stand
- (1) Cast Iron DN250 X 12" Inlet Elbow
- (1) Mini-CAS & Socket Assembly (for inclusion in the control panel, by others)

Price (includes shipping) = \$ 56,148.00



Items NOT included in this SCOPE:

- 1) Anchor Bolts.**
- 2) Piping, Gauges & Valves.**
- 3) Any Item not specifically listed above.**

Our current delivery lead-times are forecasted estimates only due to the outbreak of the COVID-19 virus pandemic and its global effects on commerce, supply chain, and logistics. Xylem will, however, use all commercially reasonable efforts to minimize any delivery delay impacts.

Clarifications & Exclusions (to be provided by others)

- In the event that the equipment herein is not immediately installed, it is understood that they will be safely stored in a clean, dry and temperature controlled facility.

Terms & Conditions

This order is subject to the Standard Terms and Conditions of Sale – Xylem Americas effective on the date the order is accepted which terms are available at <http://www.xyleminc.com/en-us/Pages/terms-conditions-of-sale.aspx> and incorporated herein by reference and made a part of the agreement.

Purchase Order: Please make purchase orders out to: *Xylem Water Solutions USA, Inc.*

Freight Terms: 03 DAP – Delivered At Place 08 – Jobsite (per IncoTerms 2010)

Taxes: State, local and other applicable taxes are not included in this quotation.

Back Charges: Buyer shall not make purchases nor shall Buyer incur any labor that would result in a back charge to Seller without prior written consent of an authorized employee of Seller.

Shipment Shortage / Damage: Xylem will not be responsible for apparent shipment shortages or damages incurred in shipment that are not reported within two weeks from delivery to the jobsite. Damages should be noted on the receiving slip and the truck driver advised of the damages. Please contact our office as soon as possible to report damages or shortages so that replacement items can be shipped and the appropriate claims made.

Terms of Delivery: PP/Add Order Position.

Terms of Payment: 100 N30 after shipment

Validity: This Quote is valid for ninety (90) days, unless extended in writing by Flygt.

Pay when Paid: Xylem's payment shall not be dependent upon Purchaser being paid by any third party unless Owner denies payment due to reasons solely attributable to items related to the equipment being provided by FLYGT.

Ship To: TBD; shipping costs are included within the above proposed price.

Lead Time: Please consult your local Flygt Branch for Submittal and Fabrication lead times.

Thank you for the opportunity to provide this quotation.

Please contact me if you need additional information or have any questions; call any time.

Sincerely,

Michael D. Pacillo
Direct Sales
Cell: 401-644-8300
mike.pacillo@xyleminc.com



Customer Acceptance

This order is subject to the Standard Terms and Conditions of Sale – Xylem Americas effective on the date the order is accepted which terms are available at <http://www.xylem.com/en-us/Pages/terms-conditions-of-sale.aspx> and incorporated herein by reference and made a part of the agreement between the parties.

A signed copy of this Quote is acceptable as a binding contract.

Purchase Order: Please make purchase orders out to: *Xylem Water Solutions USA, Inc.*

Proposal Acceptance:

Name (Please Print): _____

Signature: _____

Purchase Order #: _____

Date: _____

BILL TO:

Company/Utility: _____

Address: _____

City/State/Zip: _____

Attention: _____

Phone: _____

Email: _____

Fax: _____

SHIP TO:

Company/Utility: _____

Address: _____

City/State/Zip: _____

Attention: _____

Phone: _____

Email: _____

Fax: _____



a xylem brand
Page 4 of 4

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City of South Portland
Capital Project Request Form
Fiscal Year 2023 Capital Improvement Plan

Project Title	Willard Beach Pump 2 VFD Replacement		
Department	Water Resource Protection	Dept. Priority	9
Division	Treatment Systems	Div. Priority	2
CIP Category	Environmental Protection		

Purchase/Project Description

Pump 2 VFD (Variable Frequency Drive) is in need of replacement. The current VFD has been in place since 1995. A typical useful life of a VFD is 15 years. The cost of a VFD for Pump 2 is \$14,885. Supplemental costs for installation items will be budgeted at \$10,000. The installation will be performed in-house.

Financial Impact of this Purchase/Project

There is no revenue generated by this project. The financial impact of this work will be measured in terms of reduction in excess electrical costs required to operate the pump at inefficient levels.

Environmental Considerations

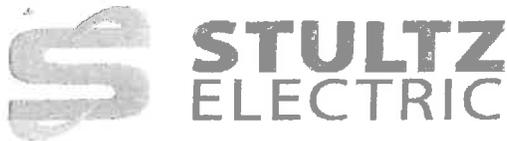
Pump 2 is the current storm pump for the pump station. Operation of the electrical VFD is critical during a storm event to be able to run the pump at max capacity to avoid sewer backups in the system and worst case scenario avoid sewer overflows into the neighborhood, Willard Beach and Casco Bay.

Funding Source(s)	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.
Borrow/Lease Purchase							\$ -	\$ -
Fund Balance (General Fund)							\$ -	\$ -
General Fund (GF) Reserves							\$ -	\$ -
General Obligation Bonds							\$ -	\$ -
Grants							\$ -	\$ -
Non-GF Reserves/Surplus	\$ 24,885	\$ 24,885					\$ 24,885	\$ 24,885
Prior Year CIP Balances							\$ -	\$ -
TIF							\$ -	\$ -
Trade-In							\$ -	\$ -
Other (explain above)							\$ -	\$ -
TOTALS	\$ 24,885	\$ 24,885	\$ -	\$ -	\$ -	\$ -	\$ 24,885	\$ 24,885

Source of Cost Estimate	Stultz Electric				
Est. Annual Operating Costs	Annual O & M Budget	Projected Useful Life	15 years	Additional Documentation?	Yes

City Manager Comments

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Timken Motor & Crane Services LLC
 Stultz Electric
 190 Riverside Street, 4A
 Portland, ME 04103

QUOTATION
Quote Number: 70866
Quote Date: 11/12/2021
Please reference this quote number on all correspondence

Thank you for your inquiry. We are pleased to offer this quote for your consideration.

To: Water Resource Protection
 P.O. Box 9422
 South Portland, ME 04116-9422
 USA

Ship To: Water Resource Protection
 111 Waterman Dr.
 South Portland, ME 04116
 USA

Quote Description: Toshiba 250HP VFD

Quote Reference: Willard Beach Pump#2 VFD

PO Reference:

Attn: Frank Moulton
 Phone: 207-767-7675x7570
 Fax: 207-767-5697
 Email: fmoulton@southportland.org

Sales Rep: Deyesso, Daniel
 110 Commerce St.
 East Haven, CT 06512
 USA
Phone: +1 781 552 1293
Fax:
Email: dan.deyesso@schulzelectric.com

Inside: Merrill, Paul
 190 Riverside St., Unit 4A
 Portland, ME 04103
Phone: +1 207 699 2501
Fax:
Email: paul@stultzelectric.com

Credit card orders may be subject to a 3% convenience fee.
Visit us at www.stultzelectric.com

In House Capabilities

- Motor and Generator Repairs In-House
- Full Voltage Testing to 13,800V AC, 1200V DC
- UL Authorized Facility
- Large Machining
- Environmentally Controlled Rewind Department
- Full Load Testing Capabilities
- Gearbox Repair
- Custom Controls & Integration

Switchgear Services

- Full Switchgear Testing Services
- Oil Analysis
- Transformer Turn ratio Testing
- Power Factor Testing
- Circuit Breaker Retrofits

Hydroelectric Services

- On-site Inspection and Servicing
- Complete Mechanical Rebuilds and Electrical Rewinds
- Redesign and Uprate
- Core Lamination Replacement/Repair
- Recondition and Rewedge
- Cryogenic Cleaning

Field Service

- Motor Installation and Removals
- AC and DC Drive Repairs, Installations, and Retrofits
- Laser Alignment Services
- Vibration Trending and Analysis
- Infrared Thermography
- On and Off-Line Motor Testing
- Engineered Solutions and Energy Efficient Upgrades

Applicable Terms & Conditions (see attached - subject to credit approval)

Terms of Payment: Net 30 **Freight Payment:**

Shipping Via: **Quote Validity:** 30 Days



Each Timken Power Systems Site Independently ISO 9001 Certified



QUOTATION
Quote Number: 70866
Quote Date: 11/12/2021
Please reference this quote number on all correspondence

<i>Item</i>	<i>Part\Description</i>	<i>Qty</i>	<i>Net Price Each</i>	<i>Extended Price</i>	<i>Shipment / Lead Time</i>
1	Part: CP-70866 Description: Toshiba 250HP VFD	1	14,885.00	14,885.00	TBD
Comments: Toshiba model VFAS3-4160KPC rated 350HP 460-Volt 427 amps normal duty, with conduit box part # NEM1112Z					
Quote Total US Dollars (Excludes Options):				\$ 14,885.00	

- For parts orders: On your purchase order please include complete nameplate information.
- To avoid delays, please provide tax exempt certification with your purchase order.



City of South Portland
Capital Project Request Form
Fiscal Year 2023 Capital Improvement Plan

Project Title	John Roberts Pump Replacements		
Department	Water Resource Protection	Dept. Priority	10
Division	Treatment Systems	Div. Priority	3
CIP Category	Environmental Protection		

Purchase/Project Description

This project is to retrofit the station by replacing the two existing pumps. We have been experiencing frequent clogging of the pumps usurping a lot of staff time to unclog them. The new pumps will be fitted with non clog impellers this time to help alleviate clogging. With these non clog pumps, the pump run time and electrical consumption will also be reduced. This work will be done in-house.

Financial Impact of this Purchase/Project

This upgrade will increase electrical efficiency as well as reduce employee call-ins and exposure to safety concerns resulting from clogged pumps.

Environmental Considerations

Overflow and or backup into nearby buildings can occur when the pump becomes clogged.

Funding Source(s)	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.
Borrow/Lease Purchase							\$ -	\$ -
Fund Balance (General Fund)							\$ -	\$ -
General Fund (GF) Reserves							\$ -	\$ -
General Obligation Bonds							\$ -	\$ -
Grants							\$ -	\$ -
Non-GF Reserves/Surplus	\$ 35,540	\$ 35,540					\$ 35,540	\$ 35,540
Prior Year CIP Balances							\$ -	\$ -
TIF							\$ -	\$ -
Trade-In							\$ -	\$ -
Other (explain above)							\$ -	\$ -
TOTALS	\$ 35,540	\$ 35,540	\$ -	\$ -	\$ -	\$ -	\$ 35,540	\$ 35,540

Source of Cost Estimate	Carlsen Systems						
Est. Annual Operating Costs	Annual O & M Budget	Projected Useful Life	15 years	Additional Documentation?	Yes		

City Manager Comments

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December 1, 2021

Frank Moulton
City of South Portland

RE: Replacement Pumps for USEMCO Pump Station

Carlson Systems is pleased to offer the following budget quote:

Two (2) Fairbanks 4-inch 5432K sewage pumps

- Conditions, 300GPM @ 20 FT TDH
- 2 inch back head tap
- Single mechanical seal
- 5 HP, 1175 RPM, 208 volt, 3 phase, 60 HZ, ODP motor
- 1 CW, 1 CCW rotation
- Less base and suction elbow
- To replace S/N K4H1 079855

TOTAL PRICE FOR ITEM 1: \$35,540.00

Leadtime: 20-22 weeks

Notes:

- Price includes freight
- Price does not include startup, field testing, or training
- Quote valid for 30 days
- Payment terms NET30

If you have any questions, please do not hesitate to call.

Sincerely,

Brian Olsen
Carlson Systems, LLC
603-714-9808
bolsen@carlensystems.com

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City of South Portland
Capital Project Request Form
Fiscal Year 2023 Capital Improvement Plan

Project Title	Willard Beach NFPA Violations - Design		
Department	Water Resource Protection	Dept. Priority	11
Division	Treatment Systems	Div. Priority	4
CIP Category	Environmental Protection		

Purchase/Project Description

An electrical safety audit was performed by Workplace Safety Solutions at the Willard Beach Pump Station (1 Fisherman's Lane). This pump station had significant electrical infractions; which is no surprise since all the equipment is original from the late 70's. Many components of the electrical system need to be upgraded to comply with the current Electrical Safety Standards. The work to be performed will be the design for the removal and replacement of the Motor Control Center and Switchboard.

Construction will be in FY 23/24.

Financial Impact of this Purchase/Project

This project will not generate any revenue. This project is an investment in the equipment required at this pumping station to ensure worker electrical safety and station reliability.

Environmental Considerations

The new electrical system will ensure continued operations of the pump station alleviating the potential of a sewer overflow in the neighborhood, Willard Beach and Casco Bay, if the existing electrical system failed.

Funding Source(s)	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.
Borrow/Lease Purchase							\$ -	\$ -
Fund Balance (General Fund)							\$ -	\$ -
General Fund (GF) Reserves							\$ -	\$ -
General Obligation Bonds							\$ -	\$ -
Grants							\$ -	\$ -
Non-GF Reserves/Surplus	\$ 20,000	\$ 20,000					\$ 20,000	\$ 20,000
Prior Year CIP Balances							\$ -	\$ -
TIF							\$ -	\$ -
Trade-In							\$ -	\$ -
Other (explain above)							\$ -	\$ -
TOTALS	\$ 20,000	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ 20,000	\$ 20,000

Source of Cost Estimate	Woodard & Curran						
Est. Annual Operating Costs	Annual O & M	Projected Useful Life	20 years	Additional Documentation?	No		

City Manager Comments

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Power Systems Study Report

- Short Circuit
- Coordination
- Arc Flash

for

South Portland Water Resource Protection
Willard Beach
South Portland, ME

Prepared By: Barry Donovan, P.E.
Date: 1/28/21
Report Number: 1433-1020 Willard Beach



TABLE OF CONTENTS

<u>TAB</u>	<u>DESCRIPTION</u>	<u>PAGE</u>
1	Introduction	2
2	Executive Summary	3
3	Short Circuit Study	5
4	Equipment Duty Table	7
5	Protective Device Setting Tables	9
6	Overcurrent Device Coordination	12
7	Arc Flash Analysis	19
8	Appendix A Database Report	24
9	Appendix B System One Lines	34

1 INTRODUCTION

This report documents the results of the short circuit, device coordination, and arc flash studies performed for South Portland Water Resource Protection. Since there are several facilities, individual reports will be generated for each facility. This report is for Willard Beach.

There were 2 scenarios analyzed:

Scenario 1: Normal configuration with utility as the source.

Scenario 2: Generator as source

Equipment data specifics were supplied by South Portland WRP personnel and the latest available fault current was obtained from Central Maine Power.

In general, the short-circuit analysis evaluates the adequacy of this facility's electrical equipment to withstand and/or to interrupt the calculated maximum available short-circuit current at its electrically connected location.

The arc flash analysis follows IEEE Std. 1584-2018 "IEEE Guide for Performing Arc-Flash Hazard Calculations". This standard provides the equations and methodology to accurately calculate potential levels of incident energy and associated personal protective equipment (PPE). The arc flash protection boundary, as defined in NFPA 70E-2018, is the approach limit at a distance from a prospective arc source within which a person could receive a second degree burn if an electrical arc flash were to occur. This arc flash analysis also calculates the distance of the flash protection boundary of which qualified and unqualified workers should adhere to prevent personal injury.

Liability and Limitation

This study represents a "snap-shot" of the electrical system at the time of data collection and engineering analysis. Therefore changes to the electrical system should be reviewed upon installation to determine effect on the system and the impact on the arc flash incident energy. Electrical equipment must be maintained in accordance with manufacturer's recommendations otherwise the results of this study may not be valid.

WSSI assumes no responsibility or liability for damages to property, injury to personnel, or any loss that may result directly or indirectly from failure of equipment to operate in accordance with the results of this study. The limitation of liability for WSSI and the sole remedy of all parties concerned, is the re-performance of this study. The client shall review this report thoroughly upon receipt for errors in information used in the performance of this study. Any such discovery shall be brought immediately to the attention of WSSI so that any necessary modifications to the report and its recommendations can be made if deemed necessary.

The results of this report shall become void at such time as the electrical system has been modified or 5 years has elapsed from the date of this report.



2 EXECUTIVE SUMMARY

ASSUMPTIONS / INPUT NOTES

1. As a general note, arc flash results in panelboards and switchboards where the main breaker is an integral part of the equipment configuration, the main device is not considered to interrupt the fault. Arcing current is considered to be cleared by the upstream device.
2. Assumptions were:
 - Conductor rated ampacity is for 75 degree C.
 - **Equipment is properly maintained in accordance with the manufacturer's recommendations and/or standard industry good practices.**
 - Panels are rated at 22kA for 480V and 10kA for 208V & 240V with MCC's rated at 42kA unless otherwise known.
 - Non-fused disconnect switches are rated at 10kA
3. In accordance with IEEE 1584-2018, a 2 second cutoff time was used where appropriate for trip times that exceed 2 seconds.
4. The arc flash at the Emergency Generator terminals was determined by using a 2 second default clearing time.
5. Where applicable, overdutied protective devices were ignored and the next upstream protective device is considered to interrupt the fault.
6. EasyPower Version 10.3.3.180 was used to model and analyze the system.

RESULTS

1. There is overdutied equipment installed in the system. This is a violation of NEC Article 110.9 and 110.10 and OSHA 1910.303(b)(4) and (5).
See Table 4-1 for complete results.
2. There are some coordination issues. These are:
 - MCC 1.1 (N) AF** – SWBD 1.1.2 BKR does not coordinate with PUMP 3 VFD 3 in the long time region.
 - MCC 1.1 (E) AF** – GENERATOR BKR does not coordinate with PUMP 3 VFD 3Boldface font indicates Time Current Curve (TCC) name.
See Tab 6 for TCCs.
3. There are no areas of high incident energy (>12 cal/cm²).
See Tables in Tab 7 for complete results.



RECOMMENDATIONS

General

1. Review other electrical equipment in the facilities that are likely to require examination, adjustment, servicing, or maintenance while energized that will need to be labeled. (NFPA 70E-2018, Article 130.5 (H))
2. Consider labeling equipment, such as single phase panels and equipment exempt from analysis, with labels to be consistent throughout the facility. This eliminates confusion for personnel as to whether the equipment was included in the study and what is the appropriate PPE.
3. Review Arc Flash Table in detail and understand the required PPE. Follow proper electrical safety procedures as listed in NFPA 70E-2018 and per OSHA. Labels will be generated on results shown in Tab 7 for as found results for worst case from all scenarios.
4. Overall, the areas where the high incident energy is due to the protective device being the utility fuse, no improvement in the incident energy level is possible.
5. In accordance with NFPA 70E-2018, Section 130.5 recommendations, update this study every five years or when significant modifications are made to the system.
6. Work equipment de-energized when possible. Wear proper PPE otherwise.
7. Utilize NFPA 70E-2018 Table 130.5(C) to assist with a risk assessment to help determine tasks where arc flash PPE is required.
8. ***Employ good maintenance practices to the electrical equipment to ensure proper operation of the equipment and to maximize life expectancy.***
9. Maintain a 3 foot clearance in front of panels and disconnect switches.

Specific

1. Resolve the NEC and OSHA violations on overdutied equipment by replacing the equipment with equipment rated for the available fault current at that location.
2. Coordination can be improved in one area as shown in the time current curve below.

MCC 1.1 (N) Prop – PUMP 3 VFD 3 adjusted to improve coordination with MAIN BREAKER and no improvement possible in the long time region with SWBD 1.1.2 BKR.

No improvement is possible for the protective devices in TCC below due to non-adjustable settings.

MCC 1.1 (E) AF – GENERATOR BKR does not coordinate with PUMP 3 VFD 3.

Boldface font indicates Time Current Curve (TCC) name.

See Tab 6 for TCCs.

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City of South Portland
Capital Project Request Form
Fiscal Year 2023 Capital Improvement Plan

Project Title	Regular Cab 4x4 Pickup Truck		
Department	Water Resource Protection	Dept. Priority	12
Division	Collections Systems	Div. Priority	1
CIP Category	Environmental Protection		

Purchase/Project Description

This 2023 Capital Improvement request is for the purchase of a Regular Cab 4x4 Pickup Truck for the department's Collections Division. This item will replace a 2007 Ford F150 pick-up that has met its useful service life.

The truck will be used for maintenance and operational staff to complete daily tasks associated with inspection and maintenance of the city's sewer and stormwater systems. The use of this vehicle is also important to respond to alarm and equipment failures within these systems.

The estimated cost of the vehicle is \$39,605.00 and was obtained from a truck dealership.

Financial Impact of this Purchase/Project

The trade-in value of the existing pickup will result in \$2,500 of revenue. Annual operating expenses are estimated at approximately \$542 based on previous maintenance records. We would expect this to be cut by 50% (\$271.00) with a new vehicle as it would need fewer replacement parts for the first few years; additionally the new truck has better economical fuel mileage.

Environmental Considerations

The proper and continuous functioning of the city's wastewater and stormwater collections systems are mandatory to maintain regulatory compliance with state and federal water quality protection requirements. The truck is an essential component in ensuring these systems operate effectively and efficiently in perpetuity. In keeping with the city's climate action goals, the truck is equipped with the latest emissions control technology.

Funding Source(s)	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.
Borrow/Lease Purchase							\$ -	\$ -
Fund Balance (General Fund)							\$ -	\$ -
General Fund (GF) Reserves							\$ -	\$ -
General Obligation Bonds							\$ -	\$ -
Grants							\$ -	\$ -
Non-GF Reserves/Surplus	\$ 37,105	\$ 37,105					\$ 37,105	\$ 37,105
Prior Year CIP Balances							\$ -	\$ -
TIF							\$ -	\$ -
Trade-In	\$ (2,500)	\$ (2,500)					\$ (2,500)	\$ (2,500)
Other (explain above)							\$ -	\$ -
TOTALS	\$ 34,605	\$ 34,605	\$ -	\$ -	\$ -	\$ -	\$ 34,605	\$ 34,605
Source of Cost Estimate	O'Connor Motor Sales							
Est. Annual Operating Costs	\$271.00		Projected Useful Life		10	Additional Documentation?		Yes
City Manager Comments								

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Prepared for: David Thomes, City of South Portland

2022 F-150 4x4 Regular Cab 8' box 141" WB XL (F1E)

Price Level: 215



Client Proposal

Prepared by:

Bob Berwick

Office: 207-295-7238

Email: bob@CASCOBAYFORD.COM

Date: 10/19/2021



Casco Bay Ford | 1213 Route 1, Yarmouth, Maine, 040966982

Office: 207-846-5577

Prepared for: David Thomes

City of South Portland
Prepared by: Bob Berwick
10/19/2021



Casco Bay Ford | 1213 Route 1 Yarmouth Maine | 040966982

2022 F-150 4x4 Regular Cab 8' box 141" WB XL (F1E)

Price Level: 215

David Thomes, City of South Portland

Re: Vehicle Proposal 10/19/2021

Dear David,

Thank you very much for your interest in acquiring a vehicle from our dealership. We concur that your interest is well deserved. We hope that an outstanding product lineup and our dedication to customer service will enhance your ownership experience should you decide to buy a vehicle from us.

Attached, please find additional information that I hope will assist you in making a more informed decision. Please feel free to contact me at any time as I would truly appreciate the opportunity to be of service to you.

Sincerely,

Bob Berwick
Commercial /Fleet Sales Manager
207-295-7238
bob@CASCOBAYFORD.COM

Prepared for: David Thomes

City of South Portland
Prepared by: Bob Berwick
10/19/2021



Casco Bay Ford | 1213 Route 1 Yarmouth Maine | 040966982

2022 F-150 4x4 Regular Cab 8' box 141" WB XL (F1E)

Price Level: 215

Table of Contents

Description	Page
Cover Page	1
Cover Letter	2
Table of Contents	3
As Configured Vehicle	4
Pricing Summary - Single Vehicle	7
Selected Equip & Specs	8
Warranty	18
Window Sticker	19

Prepared for: David Thomes

City of South Portland
 Prepared by: Bob Berwick
 10/19/2021



Casco Bay Ford | 1213 Route 1 Yarmouth Maine | 040966982

2022 F-150 4x4 Regular Cab 8' box 141" WB XL (F1E)

Price Level: 215

As Configured Vehicle

Code	Description	MSRP
Base Vehicle		
F1E	Base Vehicle Price (F1E)	\$34,585.00
Packages		
101A	Equipment Group 101A High	\$2,080.00
	- Option Discount	-\$750.00
	<i>Includes:</i> - Transmission: Electronic 10-Speed Automatic Includes selectable drive modes: normal, ECO, sport, tow/haul, slippery, deep snow/sand and mud/rut. - Tires: 265/70R17 BSW A/T - Wheels: 17" Silver Steel - Cloth 40/20/40 Front Seat Includes 2-way manual driver/passenger adjustment and armrest. - Radio: AM/FM Stereo w/4 Speakers Includes auxiliary audio input jack. - SYNC 4 Includes 8" LCD capacitive touchscreen with swipe capability, wireless phone connection, cloud connected, AppLink with App catalog, 911 Assist, Apple CarPlay and Android Auto compatibility and digital owners manual. - XL Power Equipment Group - Power Glass Sideview Mirrors w/Black Skull Caps Includes heat and manual-folding. - Illuminated Entry - MyKey - Perimeter Alarm - Power Door Locks Includes flip key and integrated key transmitter keyless-entry (includes Autolock). - Power Tailgate Lock - Power Front Windows - Cruise Control - Reverse Sensing System	
Powertrain		
99P	Engine: 2.7L V6 EcoBoost	\$1,195.00
	<i>Includes auto start-stop technology.</i> <i>Includes:</i> - 3.55 Axle Ratio - GVWR: 6,435 lbs Payload Package	
44G	Transmission: Electronic 10-Speed Automatic	Included
	<i>Includes selectable drive modes: normal, ECO, sport, tow/haul, slippery, deep snow/sand and mud/rut.</i>	
X19	3.55 Axle Ratio	Included
NONGV	GVWR: 6,435 lbs Payload Package	Included
Wheels & Tires		
STDTR	Tires: 265/70R17 BSW A/T	Included

Prices and content availability as shown are subject to change and should be treated as estimates only. Actual base vehicle, package and option pricing may vary from this estimate because of special local pricing, availability or pricing adjustments not reflected in the dealer's computer system. See salesperson for the most current information.

Prepared for: David Thomes

City of South Portland
 Prepared by: Bob Berwick
 10/19/2021



Casco Bay Ford | 1213 Route 1 Yarmouth Maine | 040966982

2022 F-150 4x4 Regular Cab 8' box 141" WB XL (F1E)

Price Level: 215

As Configured Vehicle (cont'd)

Code	Description	MSRP
64C	Wheels: 17" Silver Steel	Included
Seats & Seat Trim		
C	Cloth 40/20/40 Front Seat <i>Includes 2-way manual driver/passenger adjustment and armrest.</i>	Included
Other Options		
141WB	141" Wheelbase	STD
PAINT	Monotone Paint Application	STD
STDRD	Radio: AM/FM Stereo w/4 Speakers <i>Includes auxiliary audio input jack. Includes: - SYNC 4 Includes 8" LCD capacitive touchscreen with swipe capability, wireless phone connection, cloud connected, AppLink with App catalog, 911 Assist, Apple CarPlay and Android Auto compatibility and digital owners manual.</i>	Included
85A	XL Power Equipment Group <i>Includes: - Power Glass Sideview Mirrors w/Black Skull Caps Includes heat and manual-folding. - Illuminated Entry - MyKey - Perimeter Alarm - Power Door Locks Includes flip key and integrated key transmitter keyless-entry (includes Autolock). - Power Tailgate Lock - Power Front Windows</i>	Included
53B	Class IV Trailer Hitch Receiver Ordering the Trailer Tow Package does not include Integrated Brake Controller (67T). Integrated Brake Controller (67T) is a standalone option and must be ordered separately. <i>Includes towing capability up to TBD lbs. on 3.3L V6 PFDI engine (99B) and 2.7L EcoBoost engine (99P) or up to TBD lbs. on 3.5L EcoBoost engine (998) and 5.0L V8 engine (995), 7/4-pin connector, class IV trailer hitch receiver, smart trailer tow connector (Includes BLIS w/trailer tow coverage where BLIS is available).</i>	\$205.00
76R	Reverse Sensing System	Included
96W	Tough Bed Spray-In Bedliner Ford accessory.	\$595.00

Fleet Options

50S	Cruise Control	Included
-----	----------------	----------

Interior Color

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Prepared for: David Thomes

City of South Portland
Prepared by: Bob Berwick
10/19/2021



Casco Bay Ford | 1213 Route 1 Yarmouth Maine | 040966982

2022 F-150 4x4 Regular Cab 8' box 141" WB XL (F1E)

Price Level: 215

As Configured Vehicle (cont'd)

Code	Description	MSRP
CS_01	Black	N/C
Exterior Color		
HX_02	Antimatter Blue Metallic	N/C
SUBTOTAL		\$37,910.00
Destination Charge		\$1,695.00
TOTAL		\$39,605.00

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City of South Portland
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10/19/2021



Casco Bay Ford | 1213 Route 1 Yarmouth Maine | 040966982

2022 F-150 4x4 Regular Cab 8' box 141" WB XL (F1E)

Price Level: 215

Pricing Summary - Single Vehicle

	MSRP
<i>Vehicle Pricing</i>	
Base Vehicle Price	\$34,585.00
Options	\$3,325.00
Colors	\$0.00
Upfitting	\$0.00
Fleet Discount	\$0.00
Destination Charge	\$1,695.00
Subtotal	\$39,605.00

Pre-Tax Adjustments

Code	Description	MSRP
Gov Dis	DEALER/FORD FLEET DISCOUNT	-\$6,681.00
<i>INCLUDES ALL DEALER AND FORD FLEET DISCOUNTS</i>		
Total		\$32,924.00

Customer Signature

Acceptance Date

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Prepared for: David Thomes

City of South Portland
Prepared by: Bob Berwick
10/19/2021



Casco Bay Ford | 1213 Route 1 Yarmouth Maine | 040966982

2022 F-150 4x4 Regular Cab 8' box 141" WB XL (F1E)

Price Level: 215

Selected Equip & Specs

Dimensions

- Exterior length: 227.7"
- Exterior height: 77.0"
- Turning radius: 23.2'
- Front legroom: 43.9"
- Front hiproom: 62.5"
- Passenger volume: 64.7cu.ft.
- Departure angle: 26.8 deg
- Box length: 96.0"
- Exterior width: 79.9"
- Wheelbase: 141.0"
- Min ground clearance: 9.4"
- Front headroom: 40.8"
- Front shoulder room: 66.7"
- Approach angle: 25.7 deg
- Maximum cargo volume: 8.8cu.ft.

Powertrain

- * **EcoBoost 325hp 2.7L DOHC 24 valve twin turbo V-6 engine with Ti-VCT variable valve control, port/direct injection**
- Driver selectable mode
- LEV3-ULEV70
- Part-time
- * **Fuel Economy Highway: 24 mpg**
- Auto stop-start feature
- Recommended fuel : regular unleaded
- 10 speed automatic transmission with overdrive
- * **Fuel Economy City: 18 mpg**
- Capless fuel filler

Suspension/Handling

- Front independent double wishbone suspension with anti-roll bar, gas-pressurized shocks
- Electric power-assist rack-pinion Steering
- P265/70SR17 BSW AT front and rear tires
- Rear rigid axle leaf spring suspension with gas-pressurized shocks
- Front and rear 17 x 7.5 silver steel wheels

Body Exterior

- 2 doors
- Black door mirrors
- * **Class IV trailer hitch with trailer sway control**
- Easy lift tailgate
- Box style: regular
- Front and rear 17 x 7.5 wheels
- * **Driver and passenger power remote heated, manual folding door mirrors**
- Black bumpers
- Bed-rail protectors
- Trailer harness
- Clearcoat paint
- 2 front tow hook(s)

Convenience

- Manual air conditioning
- * **Power front windows**
- * **Driver and passenger 1-touch down**
- Manual tilt steering wheel
- * **Cruise control with steering wheel controls**
- * **Driver and passenger 1-touch up**
- * **Remote power door locks with 2 stage unlock and illuminated entry**
- Manual telescopic steering wheel

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10/19/2021



Casco Bay Ford | 1213 Route 1 Yarmouth Maine | 040966982

2022 F-150 4x4 Regular Cab 8' box 141" WB XL (F1E)

Price Level: 215

Selected Equip & Specs (cont'd)

- Day-night rearview mirror
- SYNC 4 911 Assist emergency SOS
- 2 1st row LCD monitors
- Passenger visor mirror
- Driver and passenger door bins
- FordPass Connect 4G internet access
- Wireless phone connectivity
- Front cupholders
- Full overhead console

Seats and Trim

- Seating capacity of 3
- 4-way driver seat adjustment
- Centre front armrest
- Front 40-20-40 split-bench seat
- 4-way passenger seat adjustment
- Cloth seat upholstery

Entertainment Features

- AM/FM stereo radio with radio data system
- SYNC 4 external memory control
- 4 speakers
- Fixed antenna
- Auxiliary audio input
- Steering wheel mounted radio controls
- Streaming audio

Lighting, Visibility and Instrumentation

- Halogen aero-composite headlights
- Auto on/off headlights
- Light tinted windows
- Tachometer
- Oil pressure gauge
- Outside temperature display
- Low tire pressure warning
- Trip odometer
- Delay-off headlights
- Variable intermittent front windshield wipers
- Front reading lights
- Voltmeter
- Compass
- Camera(s) - rear
- * **Reverse Sensing System parking sensors**
- Lane departure

Safety and Security

- 4-wheel ABS brakes
- Electric parking brake
- AdvanceTrac with Curve Control Electronic stability control
- Dual front impact airbag supplemental restraint system
- Safety Canopy System curtain 1st row overhead airbag supplemental restraint system
- * **Remote activated perimeter/approach lighting**
- * **Security system with SecuriLock immobilizer**
- Manually adjustable front head restraints
- Brake assist with hill hold control
- 4-wheel disc brakes
- ABS and driveline traction control
- Dual seat mounted side impact airbag supplemental restraint system
- Airbag supplemental restraint system occupancy sensor
- * **Power remote door locks with 2 stage unlock and panic alarm**
- * **MyKey restricted driving mode**
- Ford Co-Pilot360 - Pre-Collision Assist with Automatic Emergency Braking (AEB) Feature

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City of South Portland
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10/19/2021



Casco Bay Ford | 1213 Route 1 Yarmouth Maine | 040966982

2022 F-150 4x4 Regular Cab 8' box 141" WB XL (F1E)

Price Level: 215

Selected Equip & Specs (cont'd)

Dimensions

General Weights

* Curb	4,598 lbs.	* GVWR	6,435 lbs.
* Payload	1,885 lbs.		

Front Weights

* Front GAWR	3,300 lbs.	* Front curb weight	2,840 lbs.
Front axle capacity	4,800 lbs.	* Front spring rating	3,300 lbs.
Front tire/wheel capacity	4,050 lbs.		

Rear Weights

Rear GAWR	3,400 lbs.	* Rear curb weight	1,758 lbs.
Rear axle capacity	4,800 lbs.	Rear spring rating	3,400 lbs.
Rear tire/wheel capacity	4,498 lbs.		

Trailer Type

* Type	Regular	Harness	Yes
* Class	IV	* Hitch	Yes
Trailer sway control	Yes		

General Trailering

* 5th-wheel towing capacity	7700 lbs.	* Gooseneck towing capacity	7700 lbs.
* Towing capacity	7700 lbs.	* GCWR	12600 lbs.

Fuel Tank type

Capacity	23.01 gal.	Capless fuel filler	Yes
----------	------------	---------------------	-----

Off Road

Approach angle	26 deg	Departure angle	27 deg
Ramp breakover angle	22 deg	Min ground clearance	9 "
Load floor height	36 "		

Exterior cargo

Length	96.0 "	Minimum width	51.1 "
Volume	77.4 cu.ft.	Pickup box depth	21.4 "
Maximum width	65.2 "	Tailgate width	60.3 "

Interior cargo

Maximum cargo volume	8.8 cu.ft.
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Powertrain

Engine Type

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Prepared for: David Thomes

City of South Portland
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10/19/2021



Casco Bay Ford | 1213 Route 1 Yarmouth Maine | 040966982

2022 F-150 4x4 Regular Cab 8' box 141" WB XL (F1E)

Price Level: 215

Selected Equip & Specs (cont'd)

* Brand	EcoBoost	* Block material	Iron
Cylinders	V-6	Head material	Aluminum
Ignition	Spark	Injection	Port/direct injection
* Liters	2.7L	Orientation	Longitudinal
Recommended fuel	Regular unleaded	Valves per cylinder	4
Valvetrain	DOHC	Variable valve control	Ti-VCT
* Forced induction	Twin turbo		

Engine Spec

* Bore	3.27"	* Compression ratio	10.0:1
* Displacement	164 cu.in.	* Stroke	3.27"

Engine Power

* SAEJ1349 AUG2004 compliant	Yes	* Output	325 HP @ 5,000 RPM
* Torque	400 ft.-lb @ 3,000 RPM		

Alternator

Amps 200

Battery

Amp hours	70	Cold cranking amps	610
Run down protection	Yes		

Engine Extras

Auto stop-start feature	Yes	Driver selectable mode	Yes
-------------------------------	-----	------------------------------	-----

Transmission

Electronic control	Yes	Lock-up	Yes
Overdrive	Yes	Speed	10
Type	Automatic		

Transmission Gear Ratios

1st	4.696	2nd	2.985
3rd	2.146	4th	1.769
5th	1.52	6th	1.275
7th	1	8th	0.854
9th	0.689	10th	0.636
Reverse Gear ratios	4.866		

Transmission Extras

Driver selectable mode	Yes	* Sequential shift control	Yes
------------------------------	-----	---	------------

Drive Type

4wd type	Part-time	Type	Four-wheel
----------------	-----------	------------	------------

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City of South Portland
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10/19/2021



Casco Bay Ford | 1213 Route 1 Yarmouth Maine | 040966982

2022 F-150 4x4 Regular Cab 8' box 141" WB XL (F1E)

Price Level: 215

Selected Equip & Specs (cont'd)

Drive Feature

Traction control ABS and driveline
Transfer case shift Electronic
Locking hub control Auto

Drive Axle

* **Ratio** **3.55**

Exhaust

Material Stainless steel
System type Single

Emissions

CARB LEV3-ULEV70
EPA Tier 3 Bin 70

Fuel Economy

* **City** **18 mpg** * **Highway** **24 mpg**
Fuel type Gasoline
Combined 20 mpg

Fuel Economy (Alternate 1)

City 14 mpg
Fuel type E85
Highway 18 mpg
Combined 15 mpg

Green Values

* **Energy Impact Score (Barrels per year)** **17.3** * **Carbon FP / Tailpipe and upstream total GHG (CO2, tons per year)** **9.2**
* **Energy Impact Score (Barrels per year)** **5.0**

Driveability

Brakes

ABS 4-wheel
Type 4-wheel disc
Electric parking brake Yes
ABS channels 4
Vented discs Front and rear

Brake Assistance

Brake assist Yes
Hill hold control Yes

Suspension Control

Ride Regular
Electronic stability control Stability control with anti-roll

Front Suspension

Independence Independent
Anti-roll bar Regular
Type Double wishbone

Front Spring

Type Coil
Grade Regular

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 10/19/2021



Casco Bay Ford | 1213 Route 1 Yarmouth Maine | 040966982

2022 F-150 4x4 Regular Cab 8' box 141" WB XL (F1E)

Price Level: 215

Selected Equip & Specs (cont'd)

Wheels

Turning radius	23.2'	Wheelbase	141.0"
----------------------	-------	-----------------	--------

Body Features

Body material	Aluminum	Side impact beams	Yes
Active grille shutters	Yes	Front tow hook(s)	2

Body Doors

Door count	2	Cargo	Tailgate
------------------	---	-------------	----------

Pickup

* Bed liner	Spray-in	Box style	Regular
Bed-rail protectors	Yes	Easy lift tailgate	Yes

Exterior Dimensions

Length	227.7"	Body width	79.9"
Body height	77.0"	Frame section modulus	5.6cu.in.
Frame yield strength (psi)	49300.0	Front bumper to Front axle	37.8"

Safety

Airbags

Driver front-impact	Yes	Driver side-impact	Seat mounted
Occupancy sensor	Yes	Overhead	Safety Canopy System curtain 1st row
Passenger front-impact	Yes	Passenger side-impact	Seat mounted

Seatbelt

Height adjustable	Front	Pre-tensioners	Front
Pre-tensioners (#)	2		

Security

Immobilizer	SecuriLock	* Panic alarm	Yes
* Restricted driving mode	MyKey		

Seating

Passenger Capacity

Capacity	3
----------------	---

Front Seats

Split	40-20-40	Type	Split-bench
-------------	----------	------------	-------------

Driver Seat

Fore/aft	Manual	Reclining	Manual
Way direction control	4		

Prices and content availability as shown are subject to change and should be treated as estimates only. Actual base vehicle, package and option pricing may vary from this estimate because of special local pricing, availability or pricing adjustments not reflected in the dealer's computer system. See salesperson for the most current information.

Prepared for: David Thomes



City of South Portland
Prepared by: Bob Berwick
10/19/2021

Casco Bay Ford | 1213 Route 1 Yarmouth Maine | 040966982

2022 F-150 4x4 Regular Cab 8' box 141" WB XL (F1E)

Price Level: 215

Selected Equip & Specs (cont'd)

Passenger seat

Fore/aft Manual Reclining Manual
Way direction control 4

Front Head Restraint

Control Manual Type Adjustable

Front Armrest

Centre Yes

Front Seat Trim

Material Cloth Back material Carpet

Convenience

AC And Heat Type

Air conditioning Manual

Audio System

Auxiliary audio input Yes Radio AM/FM stereo
Radio data system Yes Radio grade Regular
Seek-scan Yes External memory control SYNC 4

Audio Speakers

Speaker type Regular Speakers 4

Audio Controls

Speed sensitive volume Yes Steering wheel controls Yes
Voice activation Yes Streaming audio Bluetooth yes

Audio Antenna

Type Fixed

LCD Monitors

1st row 2 Primary monitor size (inches) 8

Cruise Control

* **Cruise control With steering wheel controls**

Convenience Features

* **Retained accessory power** Yes Emergency SOS SYNC 4 911 Assist
Wireless phone connectivity SYNC 4 Smart device integration Mirroring

Door Lock Activation

* **Type** **Power with 2 stage unlock** * **Remote** **Keyfob (all doors)**
* **Integrated key/remote** Yes * **Auto locking** Yes

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2022 F-150 4x4 Regular Cab 8' box 141" WB XL (F1E)

Price Level: 215

Selected Equip & Specs (cont'd)

Door Lock Type

* **Tailgate/rear door lock ... Included with power door locks**

Door Locks Extra FOB Controls

Remote engine start Smart device only

Instrumentation Type

Appearance Analog

Instrumentation Gauges

Tachometer	Yes	Oil pressure	Yes
Engine temperature	Yes	Voltmeter	Yes
Transmission fluid temp	Yes		

Instrumentation Warnings

Oil pressure	Yes	Engine temperature	Yes
Battery	Yes	Lights on	Yes
Key	Yes	Low fuel	Yes
Door ajar	Yes	Service interval	Yes
Brake fluid	Yes	Low tire pressure	Tire specific

Instrumentation Displays

Clock	In-radio display	Compass	Yes
Exterior temp	Yes	Camera(s) - rear	Yes

Instrumentation Feature

Trip odometer	Yes	* Parking sensors	Rear
Lane departure	Active	Forward collision	Mitigation
Pedestrian detection	Prevention		

Steering Wheel Type

Material	Urethane	Tilting	Manual
Telescoping	Manual		

Front Side Windows

* **Window 1st row activation** **Power**

Window Features

* 1-touch down	Driver and passenger	* 1-touch up	Driver and passenger
Tinted	Light		

Front Windshield

Wiper Variable intermittent

Rear Windshield

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2022 F-150 4x4 Regular Cab 8' box 141" WB XL (F1E)

Price Level: 215

Selected Equip & Specs (cont'd)

Window Fixed

Interior

Passenger Visor

Mirror Yes

Rear View Mirror

Day-night Yes

Headliner

Coverage Full Material Cloth

Floor Trim

Coverage Full Covering Vinyl/rubber

Trim Feature

Gear shifter material Urethane Cabback insulator Yes
Interior accents Metal-look

Lighting

Dome light type Fade Front reading Yes
* **Illuminated entry** **Yes** Variable IP lighting Yes

Overhead Console Storage

Storage Yes Type Full

Storage

Driver door bin Yes Front Beverage holder(s) Yes
Glove box Locking Passenger door bin Yes
Instrument panel Bin Dashboard Yes

Legroom

Front 43.9"

Headroom

Front 40.8"

Hip Room

Front 62.5"

Shoulder Room

Front 66.7"

Interior Volume

Passenger volume 64.7 cu.ft.

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Casco Bay Ford | 1213 Route 1 Yarmouth Maine | 040966982

2022 F-150 4x4 Regular Cab 8' box 141" WB XL (F1E)

Price Level: 215

Warranty

Standard Warranty

Basic

Distance 36,000 miles Months 36 months

Powertrain

Distance 60,000 miles Months 60 months

Corrosion Perforation

Distance Unlimited miles Months 60 months

Roadside Assistance

Distance 60,000 miles Months 60 months

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Prepared for: David Thomes

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Casco Bay Ford | 1213 Route 1 Yarmouth Maine | 040966982

2022 F-150 4x4 Regular Cab 8' box 141" WB XL (F1E)

Price Level: 215

Major Equipment

(Based on selected options, shown at right)

EcoBoost 2.7L V-6 DOHC w/port/direct injection 325hp

10 speed automatic w/OD

- * Auto stop-start feature
- * 4-wheel ABS
- * Electric parking brake
- * P 265/70R17 BSW AT S-rated tires
- * Advance Trac w/Roll Stability Control
- * Tinted glass
- * Streaming audio
- * Dual power remote heated mirrors
- * 17 x 7.5 steel wheels
- * Driver and front passenger seat mounted side airbags
- * SecuriLock immobilizer
- * Reclining front split-bench seats
- * Class IV hitch
- * Rear axle capacity: 4800 lbs.
- * Rear spring rating: 3400 lbs.
- * Frame Yield Strength 49300 psi

Exterior: Antimatter Blue Metallic

Interior: Black

- * Driver selectable mode
- * Brake assistance
- * Traction control
- * Battery with run down protection
- * Air conditioning
- * AM/FM stereo with seek-scan, auxiliary audio input, external memory control
- * Daytime running
- * Variable intermittent wipers
- * Dual front airbags
- * Airbag occupancy sensor
- * Tachometer
- * Audio control on steering wheel
- * Front axle capacity: 4800 lbs.
- * Front spring rating: 3300 lbs.
- * Frame section modulus: 5.6 cu.in.

Fuel Economy

As Configured Vehicle

	MSRP
STANDARD VEHICLE PRICE	\$34,585.00
Transmission: Electronic 10-Speed Automatic	Included
Tires: 265/70R17 BSW A/T	Included
Wheels: 17" Silver Steel	Included
Cloth 40/20/40 Front Seat	Included
141" Wheelbase	STD
Monotone Paint Application	STD
Radio: AM/FM Stereo w/4 Speakers	Included
Equipment Group 101A High	\$2,080.00
- Option Discount	-\$750.00
SYNC 4	Included
Engine: 2.7L V6 EcoBoost	\$1,195.00
3.55 Axle Ratio	Included
GVWR: 6,435 lbs Payload Package	Included
XL Power Equipment Group	Included
Power Glass Sideview Mirrors w/Black Skull Caps	Included
Illuminated Entry	Included
MyKey	Included
Perimeter Alarm	Included

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Prepared for: David Thomes
 City of South Portland
 Prepared by: Bob Berwick
 10/19/2021



Casco Bay Ford | 1213 Route 1 Yarmouth Maine | 040966982

2022 F-150 4x4 Regular Cab 8' box 141" WB XL (F1E)

Price Level: 215

Major Equipment

City
18 mpg



Hwy
24 mpg

As Configured Vehicle

	MSRP
Power Door Locks	Included
Power Tailgate Lock	Included
Power Front Windows	Included
Cruise Control	Included
Reverse Sensing System	Included
Class IV Trailer Hitch Receiver	\$205.00
Tough Bed Spray-In Bedliner	\$595.00
Antimatter Blue Metallic	N/C
Black	N/C
SUBTOTAL	\$37,910.00
Destination Charge	\$1,695.00
TOTAL	\$39,605.00

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City of South Portland
Capital Project Request Form
Fiscal Year 2023 Capital Improvement Plan

Project Title	Combination Sewer Cleaner		
Department	Water Resource Protection	Dept. Priority	13
Division	Collections Systems	Div. Priority	2
CIP Category	Environmental Protection		

Purchase/Project Description

This 2023 Capital Improvement request is for the purchase of a truck mounted combination cleaner used in the city's sewer and stormwater collection systems.

The combination cleaner will perform line cleaning operations by using high volumes of water pressure to flush and vacuum debris from the city's collection systems. This equipment also allows staff the ability to respond to emergency sewer back-ups and perform routine maintenance require by federal and state requirements.

Funding for this item will be done over a three year period (FY 21/22, 22/23, 23/24). This truck will replace the 2011 combination cleaner truck which is at the end of its useful life.

The equipment cost of \$481,436.00 was obtained from Donovan Equipment Company.

Financial Impact of this Purchase/Project

We anticipate a \$50,000 trade-in value from our existing sewer cleaner. Additionally, due to the significant cost, we plan on funding this item over a 3-year period starting with FY 21/22. We also expect our annual operating expense of this truck to go from its current level of \$12,343.00 to be reduced by 50% to \$6,171.00 as a new truck will require less maintenance for the first few years. Additionally, the new diesel engines are much more fuel efficient.

Environmental Considerations

The combination sewer cleaner is an essential component of the Collection Systems Division's operations. It supports the city's climate action goals by ensuring proper sewer line and storm drain functionality. Currently, there are no electrically powered versions of this equipment.

Funding Source(s)	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.
Borrow/Lease Purchase							\$0	\$0
Fund Balance (General Fund)							\$0	\$0
General Fund (GF) Reserves							\$0	\$0
General Obligation Bonds							\$0	\$0
Grants							\$0	\$0
Non-GF Reserves/Surplus	\$160,479	\$160,479	\$160,479		\$110,479		\$431,436	\$160,479
Prior Year CIP Balances							\$0	\$0
TIF							\$0	\$0
Trade-In					\$50,000		\$50,000	\$0
Other (explain above)							\$0	\$0
TOTALS	\$160,479	\$160,479	\$160,479	\$0	\$160,479	\$0	\$481,436	\$160,479
Source of Cost Estimate	Donavan Equipment Company							
Est. Annual Operating Costs	\$8,600 per year		Projected Useful Life		12	Additional Documentation?		Yes
City Manager Comments								

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HV607 SBA

Sales Proposal For:

Presented By:

Prepared For:

Presented By:

Thank you for the opportunity to provide you with the following quotation on a new International truck. I am sure the following detailed specification will meet your operational requirements, and I look forward to serving your business needs.

**Model Profile
2021 HV607 SBA (HV607)**

AXLE CONFIG:	6X4
APPLICATION:	Sewer Vac
MISSION:	Requested GVWR: 56000, Calc. GVWR: 56000 Calc. Start / Grade Ability: 20.43% / 2.62% @ 55 MPH Calc. Geared Speed: 74.6 MPH
DIMENSION:	Wheelbase: 224.00, CA: 156.90, Axle to Frame: 65.00
ENGINE, DIESEL:	{Cummins L9 370} EPA 2021, 370HP @ 2100 RPM, 1250 lb-ft Torque @ 1200 RPM, 2100 RPM Governed Speed, 370 Peak HP (Max)
TRANSMISSION, AUTOMATIC:	{Allison 3000 RDS} 5th Generation Controls, Close Ratio, 6-Speed with Double Overdrive, with PTO Provision, Less Retarder, Includes Oil Level Sensor, with 80,000-lb GVW and GCW Max, On/Off Highway
CLUTCH:	Omit Item (Clutch & Control)
AXLE, FRONT NON-DRIVING:	{Meritor MFS-16-143A} Wide Track, I-Beam Type, 16,000-lb Capacity
AXLE, REAR, TANDEM:	{Meritor MT-40-14X-4DFR} Single Reduction, 40,000-lb Capacity, .433"(11mm) Wall Housing Thickness, R Wheel Ends Gear Ratio: 5.29
CAB:	Conventional, Day Cab
TIRE, FRONT:	(2) 315/80R22.5 Load Range L HSC 3 (CONTINENTAL), 481 rev/mile, 68 MPH, All-Position
TIRE, REAR:	(8) 11R22.5 Load Range G HDR2 (CONTINENTAL), 491 rev/mile, 75 MPH, Drive
SUSPENSION, REAR, TANDEM:	{Hendrickson HMX EX 460} Walking Beam, 46,000-lb Capacity, 54" Axle Spacing, Rubber Springs, with Transverse Torque Rods, Rubber End Bushings
FRAME REINFORCEMENT:	Full Outer C-Channel, Heat Treated Alloy Steel (120,000 PSI Yield), 10.813" x 3.892" x 0.312" (274.6mm x 98.8mm x 7.9mm), 480.0" (12192mm) OAL
PAINT:	Cab schematic 100WL Location 1: 9219, Winter White (Std) Chassis schematic N/A

**Proposal's vehicle specification is incomplete.
WARNING: Do Not Distribute.**

Proposal:

<u>Code</u>	<u>Description</u>
HV60700	Base Chassis , Model HV607 SBA with 224.00 Wheelbase, 156.90 CA, and 65.00 Axle to Frame.
1570	TOW HOOK, FRONT (2) Frame Mounted
1AND	AXLE CONFIGURATION {Navistar} 6x4
	<u>Notes</u> : Pricing may change if axle configuration is changed.
1CBU	FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.125" x 3.580" x 0.312" (257.2mm x 90.9mm x 8.0mm); 480.0" (12192) Maximum OAL
1GBP	FRAME REINFORCEMENT Full Outer C-Channel, Heat Treated Alloy Steel (120,000 PSI Yield), 10.813" x 3.892" x 0.312" (274.6mm x 98.8mm x 7.9mm), 480.0" (12192mm) OAL
1LMX	BUMPER, FRONT Contoured, Steel, Painted, Heavy Duty
1WAC	BUMPER EXTENSION, FRONT 4.0"
1WGY	WHEELBASE RANGE 221" (560cm) Through and Including 262" (665cm)
2ARU	AXLE, FRONT NON-DRIVING (Meritor MFS-16-143A) Wide Track, I-Beam Type, 16,000-lb Capacity
3ADE	SUSPENSION, FRONT, SPRING Parabolic Taper Leaf, Shackle Type, 16,000-lb Capacity, with Shock Absorbers
4091	BRAKE SYSTEM, AIR Dual System for Straight Truck Applications
	<u>Includes</u> : BRAKE LINES Color and Size Coded Nylon : DRAIN VALVE Twist-Type : GAUGE, AIR PRESSURE (2) Air 1 and Air 2 Gauges; Located in Instrument Cluster : PARKING BRAKE CONTROL Yellow Knob, Located on Instrument Panel : PARKING BRAKE VALVE For Truck : QUICK RELEASE VALVE On Rear Axle for Spring Brake Release: 1 for 4x2, 2 for 6x4 : SPRING BRAKE MODULATOR VALVE R-7 for 4x2, SR-7 with relay valve for 6x4/8x6
4732	DRAIN VALVE {Berg} with Pull Chain, for Air Tank
4AZJ	AIR BRAKE ABS {Bendix AntiLock Brake System} 4-Channel (4 Sensor/4 Modulator) Full Vehicle Wheel Control System, with Automatic Traction Control
4EBD	AIR DRYER {Wabco System Saver 1200} with Heater
4EXU	BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 SqIn Spring Brake
4EXV	BRAKE CHAMBERS, FRONT AXLE {Bendix} 24 SqIn
4LAG	SLACK ADJUSTERS, FRONT {Gunite} Automatic
4LGG	SLACK ADJUSTERS, REAR {Gunite} Automatic
4SPA	AIR COMPRESSOR {Cummins} 18.7 CFM
4VKC	AIR DRYER LOCATION Mounted Inside Left Rail, Back of Cab
4WBX	DUST SHIELDS, FRONT BRAKE for Air Cam Brakes
4WDM	DUST SHIELDS, REAR BRAKE for Air Cam Brakes
4WZJ	AIR TANK LOCATION (2) : One Mounted Under Each Rail, Front of Rear Suspension, Parallel to Rail
4XDL	BRAKES, FRONT {Bendix Spicer ES-165-6X} Air S-Cam Type, Heavy Duty Fabricated Spider, Fabricated Shoe, Single Anchor Pin, Size 16.5" X 6", 23,000-lb Capacity
4XDM	BRAKES, REAR {Bendix Spicer ES-165-7X} Air S-Cam Type, Heavy Duty Fabricated Spider, Fabricated Shoe, Single Anchor Pin, Size 16.5" X 7", 23,000-lb Capacity per Axle

<u>Code</u>	<u>Description</u>
4XEE	PARK BRAKE CHAMBERS, ADDITIONAL (2) Spring Brake Type
5AAA	STEERING COLUMN Stationary
5CAW	STEERING WHEEL 4-Spoke; 18" Dia., Black
5PTB	STEERING GEAR (2) {Sheppard M100/M80} Dual Power
6DGT	DRIVELINE SYSTEM {Dana Spicer} SPL170 Main Driveline with SPL170 Interaxle Shaft, for 6x4
7BEV	AFTERTREATMENT COVER Steel, Black
7BLW	EXHAUST SYSTEM Horizontal Aftertreatment System, Frame Mounted Right Side Under Cab, for Single Vertical Tail Pipe, Frame Mounted Right Side Back of Cab
7WAZ	TAIL PIPE (1) Turnback Type
7WDM	EXHAUST HEIGHT 10'
7WDN	MUFFLER/TAIL PIPE GUARD (1) Aluminum
7WZY	SWITCH, FOR EXHAUST 2 Position, Lighted & Latching, On/Off Type, Mounted in IP, Inhibits Diesel Particulate Filter Regeneration as Long as Switch is in On Position
8000	ELECTRICAL SYSTEM 12-Volt, Standard Equipment
	<u>Includes</u>
	: DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab
	: HAZARD SWITCH Push On/Push Off, Located on Instrument Panel to Right of Steering Wheel
	: HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever
	: PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light
	: STARTER SWITCH Electric, Key Operated
	: STOP, TURN, TAIL & B/U LIGHTS Dual, Rear, Combination with Reflector
	: TURN SIGNAL SWITCH Self-Cancelling for Trucks, Manual Cancelling for Tractors, with Lane Change Feature
	: WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever
	: WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted
	: WIRING, CHASSIS Color Coded and Continuously Numbered
8518	CIGAR LIGHTER Includes Ash Cup
8718	POWER SOURCE Cigar Type Receptacle without Plug and Cord
8899	JUMP START STUD (2) Remote Mounted
8GXD	ALTERNATOR {Leece-Neville AVI160P2013} Brush Type, 12 Volt, 160 Amp Capacity, Pad Mount, with Remote Sense
8HAB	BODY BUILDER WIRING Back of Day Cab at Left Frame or Under Sleeper, Extended or Crew Cab at Left Frame; Includes Sealed Connectors for Tail/Amber Turn/Marker/ Backup/Accessory Power/Ground and Sealed Connector for Stop/Turn
8MMG	BATTERY SYSTEM {Deka/EAST PENN 9A31 AGM} Maintenance-Free, (3) AGM 12-Volt 2775CCA Total, Top Threaded Stud
8RMZ	SPEAKERS (2) 6.5" Dual Cone Mounted in Both Doors, (2) 5.25" Dual Cone Mounted in Both B-Pillars
8RPS	RADIO AM/FM/WB/Clock/Bluetooth/USB Input/Auxiliary Input
8VAY	HORN, ELECTRIC Disc Style
8WPH	CLEARANCE/MARKER LIGHTS (5) {Truck Lite} Amber LED Lights, Flush Mounted on Cab or Sunshade
8WPZ	TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior Lamps Except Back-up Lights

Proposal's vehicle specification is incomplete.
WARNING: Do Not Distribute.

<u>Code</u>	<u>Description</u>
8WTK	STARTING MOTOR {Delco Remy 38MT Type 300} 12 Volt, Less Thermal Over-Crank Protection
8WWJ	INDICATOR, LOW COOLANT LEVEL with Audible Alarm
8XAH	CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III with Trip Indicators, Replaces All Fuses
8XDZ	BATTERY BOX Steel, 2-3 Battery Capacity, Mounted Inside the Cab, Under Passenger Seat
8XGT	TURN SIGNALS, FRONT Includes LED Side Turn Lights Mounted on Fender
8XHD	BATTERY DISCONNECT SWITCH 300 Amp, Disconnects Charging Circuits, Locks with Padlock, Cab Mounted
8XHN	HORN, AIR Single Trumpet, Black, with Lanyard Pull Cord
9AAB	LOGOS EXTERIOR Model Badges
9AAE	LOGOS EXTERIOR, ENGINE Badges
9HAN	INSULATION, UNDER HOOD for Sound Abatement
9HBM	GRILLE Stationary, Chrome
9HBN	INSULATION, SPLASH PANELS for Sound Abatement
9WBC	FRONT END Tilting, Fiberglass, with Three Piece Construction, for WorkStar/HV
10060	PAINT SCHEMATIC, PT-1 Single Color, Design 100 <u>Includes</u> : PAINT SCHEMATIC ID LETTERS "WL"
10761	PAINT TYPE Base Coat/Clear Coat, 1-2 Tone
11001	CLUTCH Omit Item (Clutch & Control)
12703	ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection
12ESR	ENGINE, DIESEL {Cummins L9 370} EPA 2021, 370HP @ 2100 RPM, 1250 lb-ft Torque @ 1200 RPM, 2100 RPM Governed Speed, 370 Peak HP (Max)
12THT	FAN DRIVE {Horton Drivemaster} Two-Speed Type, Direct Drive, with Residual Torque Device for Disengaged Fan Speed <u>Includes</u> : FAN Nylon
12UWZ	RADIATOR Aluminum, Cross Flow, Front to Back System, 1228 SqIn, with 1167 SqIn Charge Air Cooler, Includes In-Tank Oil Cooler <u>Includes</u> : DEAERATION SYSTEM with Surge Tank : HOSE CLAMPS, RADIATOR HOSES Gates Shrink Band Type; Thermoplastic Coolant Hose Clamps : RADIATOR HOSES Premium, Rubber
12VBB	AIR CLEANER Dual Element
12VHR	FEDERAL EMISSIONS {Cummins L9} EPA, OBD and GHG Certified for Calendar Year 2021
12VXT	THROTTLE, HAND CONTROL Engine Speed Control; Electronic, Stationary, Variable Speed; Mounted on Steering Wheel
12WBR	FAN OVERRIDE Manual; with Electric Switch on Instrument Panel, (Fan On with Switch On)
12WUL	BLOCK HEATER, ENGINE {Phillips} 120V/1000W, with "Y" Cord for Dealer Installed 120V/300W Oil Pan Heater <u>Includes</u>

<u>Code</u>	<u>Description</u>
	: BLOCK HEATER SOCKET Receptacle Type; Mounted below Drivers Door
12WZB	EMISSION COMPLIANCE Low NOx Idle Engine, Complies with California Clean Air Regulations; Includes "Certified Clean Idle" Decal on Hood
12XBM	ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls and Starter Lockout, with Ignition Switch Control, for Cummins B6.7 and L9 Engines
13AVR	TRANSMISSION, AUTOMATIC {Allison 3000 RDS} 5th Generation Controls, Close Ratio, 6-Speed with Double Overdrive, with PTO Provision, Less Retarder, Includes Oil Level Sensor, with 80,000-lb GVW and GCW Max, On/Off Highway
13WET	TRANSMISSION SHIFT CONTROL Column Mounted Stalk Shifter, Not for Use with Allison 1000 & 2000 Series Transmission
13WLP	TRANSMISSION OIL Synthetic; 29 thru 42 Pints
13WUH	ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS), Airport Refueler, Sewer Evac, Package Number 150
13WWW	NEUTRAL AT STOP OMIT
13WYU	SHIFT CONTROL PARAMETERS {Allison} 3000 or 4000 Series Transmissions, Performance Programming
13XAA	PTO CONTROL, DASH MOUNTED For Customer Provided PTO; Includes Switch, Electric/Air Solenoid, Piping and Wiring
13XAL	PTO LOCATION Customer Intends to Install PTO at Left Side of Transmission
14GVY	AXLE, REAR, TANDEM {Meritor MT-40-14X-4DFR} Single Reduction, 40,000-lb Capacity, .433"(11mm) Wall Housing Thickness, R Wheel Ends . Gear Ratio: 5.29
14UMX	SUSPENSION, REAR, TANDEM {Hendrickson HMX EX 460} Walking Beam, 46,000-lb Capacity, 54" Axle Spacing, Rubber Springs, with Transverse Torque Rods, Rubber End Bushings
14WCR	TRANSVERSE TORQUE RODS Hendrickson TRAAX Rod, Transverse Rod Only
15DYP	DEF TANK 9.5 US Gal (36L) Capacity, Frame Mounted Outside Left Rail, Under Cab
15LMA	LOCATION FUEL/WATER SEPARATOR Mounted Outside Left Rail, 15" Back of Cab
15LNG	FUEL/WATER SEPARATOR {Davco 245} 12 VDC Electric Heater, Includes Pre-Heater, Includes Water-in-Fuel Sensor
15SJZ	FUEL TANK Top Draw, Non-Polished Aluminum, 26" Dia, 80 US Gal (303L), Mounted Left Side, Under Cab
15WCS	FUEL COOLER Less Thermostat; Mounted in Front of Cooling Module
16030	CAB Conventional, Day Cab
16BAM	AIR CONDITIONER with Integral Heater and Defroster
16GDC	GAUGE CLUSTER Base Level; English with English Speedometer and Tachometer, for Air Brake Chassis, Includes Engine Coolant Temperature, Primary and Secondary Air Pressure, Fuel and DEF Gauges, Oil Pressure Gauge, Includes 3 Inch Monochromatic Text Display
16HKT	IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster
16JNT	SEAT, DRIVER {National 2000} Air Suspension, High Back with Integral Headrest, Vinyl, Isolator, 1 Chamber Lumbar, with 2 Position Front Cushion Adjust, -3 to +14 Degree Angle Back Adjust
16SDH	MIRROR, CONVEX, HOOD MOUNTED {Lang Mekra} (1) Right Side, Black, 7.5" Sq.
16SMY	SEAT, PASSENGER {Seats, Inc.} Non Suspension, High Back, Fixed Back, Integral Headrest, Vinyl, for use with Batteries in Cab

<u>Code</u>	<u>Description</u>
16SNM	MIRRORS (2) C-Loop, Heated, Black Heads and Arms, 7.5" x 14" Flat Glass, Includes 7.5" x 7" Convex Mirrors, for 102" Load Width
	<u>Notes</u> : Mirror Dimensions are Rounded to the Nearest 0.5"
16VKB	CAB INTERIOR TRIM Classic, for Day Cab
	<u>Includes</u> : CONSOLE, OVERHEAD Molded Plastic with Dual Storage Pockets, Retainer Nets and CB Radio Pocket; Located Above Driver and Passenger : DOME LIGHT, CAB Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Overhead Console, Center Mounted : SUN VISOR (2) Padded Vinyl; 2 Moveable (Front-to-Side) Primary Visors, Driver Side with Toll Ticket Strap
16WLM	HOURMETER, PTO for Customer Provided PTO; with Indicator Light and Hourmeter in Gauge Cluster Includes Return Wire for PTO Feedback Switch
16WLS	FRESH AIR FILTER Attached to Air Intake Cover on Cowl Tray in Front of Windshield Under Hood
16WSK	CAB REAR SUSPENSION Air Bag Type
16XCK	WINDOW, MANUAL (2) and Manual Door Locks, Left and Right Doors
16XJN	INSTRUMENT PANEL Flat Panel
16ZBT	ACCESS, CAB Steel, Driver & Passenger Sides, Two Steps per Door, for use with Day Cab and Extended Cab
27DUL	WHEELS, FRONT {Accuride 29300} DISC; 22.5x9.00 Rims, Powder Coat Steel, 5-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs
28DUW	WHEELS, REAR {Accuride 51408} DUAL DISC; 22.5x8.25 Rims, Powder Coat Steel, 2-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs
60AAH	BDY INTG, REMOTE POWER MODULE (2) Mounted Inside Cab Behind Driver Seat, Up to 6 Outputs & 6 Inputs Each, Max 20 amp per Channel, Max 80 amp Total; Includes 2 Switch Packs with Latched Switches
60ABN	BDY INTG, RPM I/O HARNESS Includes Two Harnesses with Six Input Blunt Cut Wires and Six Output Blunt Cut Wires, for use with Two RPM
61ACA	DLB, ELECT UNIT CONTROL Programming; Includes Logic for External Regen, Flashes the Chassis Lights in Level 1 and 2, Honks City Horn in Level 3
7372135423	(8) TIRE, REAR 11R22.5 Load Range G HDR2 (CONTINENTAL), 491 rev/mile, 75 MPH, Drive
7792545438	(2) TIRE, FRONT 315/80R22.5 Load Range L HSC 3 (CONTINENTAL), 481 rev/mile, 68 MPH, All-Position
	Services Section:
40128	WARRANTY Standard for HV507, HV50B, HV607 Models, Effective with Vehicles Built July 1, 2017 or Later, CTS-2025A

<u>Description</u>	<u>(US DOLLAR)</u>	<u>Price</u>
Factory List Prices:		
Product Items		
Service Items		
Total Factory List Price Including Options:		
Freight		
Total Freight:		
Total Factory List Price Including Freight:		
Less Customer Allowance:		
Total Vehicle Price:		
Total Sale Price:		
Total Federal Excise Tax :		
Total Per Vehicle Sales Price:		
Net Sales Price:		

Please feel free to contact me regarding these specifications should your interests or needs change. I am confident you will be pleased with the quality and service of an International vehicle.

Approved by Seller:

Accepted by Purchaser:

Official Title and Date

Firm or Business Name

Authorized Signature

Authorized Signature and Date

This proposal is not binding upon the seller without Seller's Authorized Signature

Official Title and Date

The TOPS FET calculation is an estimate for reference purposes only. The seller or retailer is responsible for calculating and reporting/paying appropriate FET to the IRS.

The limited warranties applicable to the vehicles described herein are Navistar, Inc.'s standard printed warranties which are incorporated herein by reference and to which you have been provided a copy and hereby agree to their terms and conditions.

CONFIDENTIAL NOT FOR PUBLICATION
 THIS DRAWING, INCLUDING SPECIFICATIONS OR OTHER DATA, IS THE PROPERTY OF INTERNATIONAL TRUCK AND TRAILER CO. IT IS TO BE USED ONLY FOR THE PURPOSES AND UNDER THE CONDITIONS SET FORTH IN THE DRAWING. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, WITHOUT THE WRITTEN PERMISSION FROM INTERNATIONAL TRUCK AND TRAILER CO.

REQUIREMENTS	FREIGHTLINER	PETERBILT	KENWORTH	INTERNATIONAL	MACK
WHEELBASE AND FRAME	REAR TOW HOOKS 114 INCH C-CHANNEL INNER FRAME REINFORCEMENT	FULL STEEL INNER LINER	FULL STEEL INSERT	FRAME REINFORCEMENT OUTER C-CHANNEL HEAT TREAT STEEL X 1.125" X 3.125" (27.14MM X 79.27MM X 8.0MM), 460.07 (17.592MM) MAXIMUM GAL	WITHOUT FRAME REINFORCEMENT-INSIDE STEEL - 3.00MM X 105MM X 11.1MM
CHASSIS	REAR TOW HOOKS 114 INCH C-CHANNEL INNER FRAME REINFORCEMENT	FRAME COMPONENTS BOLTED TO HUCK FASTENED	COAL MINING	SEMI-VAC TRUCK USE, LEASE INPUT/OUTPUT FOR RUGGED DUTY SERIES (RDS); AIRPORT REFUELER, SEMER EVAC	VEHICLE USE & BODY/TRAILER TYPE (VACUUM) TRUCK ALLISON GPO PACKAGE 150 ON/OFF HIGHWAY
TRUCK SERVICE	SEMI-VAC TRUCK USE, LEASE INPUT/OUTPUT FOR RUGGED DUTY SERIES (RDS); AIRPORT REFUELER, SEMER EVAC	ALL FIELD TANKER, LIQUID BULK VACUUM OIL/INDUSTRIAL 4TH GEAR LOCKUP AJ SPLIT SHAFT PTO PUMPER/VACUUM	COAL MINING	SEMI-VAC TRUCK USE, LEASE INPUT/OUTPUT FOR RUGGED DUTY SERIES (RDS); AIRPORT REFUELER, SEMER EVAC	VEHICLE USE & BODY/TRAILER TYPE (VACUUM) TRUCK ALLISON GPO PACKAGE 150 ON/OFF HIGHWAY
ELECTRONIC PARAMETERS	PTO MINIMUM RPM 1800 PTO MAXIMUM RPM 700	PTO MODE ENGINE RPM LIMIT - 1800 RPM PTO MINIMUM RPM 700	PTO MODE ENGINE RPM LIMIT - 1800 RPM PTO MINIMUM RPM 700	BATTERY BOX STEEL MOUNTED INSIDE THE CAB NO UNDER CAB OPTION	HAS THROTTLE MAN ENG SPEED ELECTRONIC HAND THROTTLE MAN ENGINE SPEED, 700 RPM LH RAIL LOC FORWARD OF FUEL TANK
ENGINE EQUIPMENT	POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL SWITCH MOUNTED OUTBOARD DRIVER SEAT	LOW VOLTAGE DISCONNECT SYSTEM, KISSING BATTERY DISCONNECT SWITCH	26" ALUMINUM 70 GALLON FUEL TANK LH LOC INCLUDES NON-SLIP FUEL TANK STEP MOUNT AS CLOSE TO FUEL TANK AS POSSIBLE	BATTERY DISCONNECT SWITCH 300 AMP CAB CHARGING CIRCUITS, LOCKS WITH PADLOCK	FLAMING RIVER BIG SWITCH WIRED TO POSITIVE SIDE TANK
TRANSMISSION EQUIPMENT	ALLISON 3000/4000/4800 TRANSMISSION VEHICLE INTERFACED WIRING CONNECTOR WITH BLUNT CHTS, AT BACK OF CAB	ALLISON 3000/4000/4800 TRANSMISSION WITH PTO PROVISION VEHICLE INTERFACED WIRING CONNECTOR WITH BLUNT CHTS, AT BACK OF CAB	ALLISON 3000/4000/4800 TRANSMISSION WITH PTO PROVISION VEHICLE INTERFACED WIRING CONNECTOR WITH BLUNT CHTS, AT BACK OF CAB	STANDARD	ENGINE CONTROL, REMOTE MOUNTED PROVISION FOR PTO CONTROLS; WITH IGNITION SWITCH CONTROL FOR CUMMINS ISB/IS6/7/8/9/15/18/25 ENGINES
AXLE AND SUSPENSION	16,000# FRONT AXLE RATING 46,000# REAR AXLE RATING TRANSVERSE TORQUE RODS IF APPLICABLE AIR TANKS LOCATED IMMEDIATELY BEHIND FRONT TORPEDO TANKS AIR DRYER LOCATED LH BOC, UNDER HOOD OR FORWARD LEVELING VALVE BRAKE CAMCHAMBERS CLOKED FORWARD (CLEAR SPACE INSIDE FRAME RAIL FOR SUCTION T) PRELWRED	INSTALL FRAME MOUNTED AIR TANKS AS FAR REARWARD AS POSSIBLE MOUNT AIR DRYER INSIDE RAIL RH FORWARD AXLE MOUNTED LEVELING VALVE	INSTALL FRAME MOUNTED AIR TANKS AS FAR REARWARD AS POSSIBLE MOUNT AIR DRYER INSIDE RAIL RH FORWARD AXLE MOUNTED LEVELING VALVE	AIR TANK LOCATION (2), ONE MOUNTED UNDER EACH FRAME RAIL, FRONT OF REAR SUSPENSION, PARALLEL TO RAIL AIR DRIVER LOCATION MOUNTED INSIDE LEFT RAIL, BACK OF CAB	TRANSVERSE TORQUE ROD (REAR AXLE ONLY) INBOARD W/ ALL TANKS LOCATED BETWEEN RR AXLE AND 2ND XMBR RH INBOARD
BRAKE AND AIR SYSTEM	MINIMUM 8 EXTRA SWITCHES, NON DASH MOUNTED PRELWRED	6 ADDL DASH SWITCHES (WITH CONNECTORS) (3) PTO LOAD LIGHT, SWITCH & (2) 10 FT	ORDER 6 EXTRA SWITCHES AND 3 LIGHT SWITCHES NO DASH SWITCH FOR PTO	SIX (6) ASSIGNABLE BODY/BUILDER DASH SWITCHES (5 ON/OFF, 1 MOMENTARY) AUXSV48B	
INSTRUMENTS AND CONTROLS	9 PIN DIAGNOSTIC CONNECTOR REMOTE INTERFACE CONNECTOR RDC	STANDARD REMOTE PTO & THROTTLE PROVISION 12-PIN CONNECTOR ON ENGINE HARNESS	STANDARD	ENGINE CONTROL, REMOTE MOUNTED PROVISION FOR PTO CONTROLS; WITH IGNITION SWITCH CONTROL FOR CUMMINS ISB/IS6/7/8/9/15/18/25 ENGINES	
SECONDARY FACTORY OPTIONS	BASE CHASSIS WEIGHT DISTRIBUTION PTO PROVISION	BASE CHASSIS WEIGHT DISTRIBUTION PTO PROVISION	BASE CHASSIS WEIGHT DISTRIBUTION PTO PROVISION	TRANSPIECER BR/350V, VACUUM BEARINGS FOR SEMI-CURT SOLUTIONS LOCAL INST. OF TRANSPIECER CASE	

DRAWN: KANS
 CHECKED: []
 DATE: 01-18
 SCALE: 1:1
 SIZE: 30" X 42"
 PART NO: 300001879
 REV: A
 DO NOT SCALE DRAWING



6 ENTERPRISE DRIVE
 LONDONDERRY, NH-03053
 PH:(800)-458-3867
 FAX: (603)-669-0501



S.PORTLAND WATER RESOURCES	DT: 10/30/20
ATTN: DAVE THOMES	
1142 HIGHLAND AVE.	JA201030
SOUTH PORTLAND, ME 04106	
PH:(207) 767-7680	UNIT#
dthomes@southportland.org	

QUANTITY	PART #	DESCRIPTION:	LIST EACH
1	B-10	10 YD Debris 1150 gal. Water Rear Reel Combination unit	
1	A304680-1	Fill hose storage basket Includes 8"X 19' Extendable Boom	INCLUDED
1	STD-0067	1 intake tube 8" X 6'	INCLUDED
1	STD-0068	1 extension tube 8" X 6'	INCLUDED
1		Rear hose reel 800' X 1" capacity	INCLUDED
1	STD-0050	Wireless Remote System	INCLUDED
1	130652	Side hand gun connection	INCLUDED
1	A215523-2	80 GPM @ 2000 PSI water system	INCLUDED
1	A255017	Water pump on/off switch at dump station control panel	INCLUDED
1	A121704-9	Boom up warning light and alarm	INCLUDED
1	A120096-xvac	Low water warning system, light and alarm	INCLUDED
1	380282	Boom clearance lights	INCLUDED
1		All lighting to be LED	INCLUDED
1	A110452-1	6 way boom control joy stick	INCLUDED
1	A384576	Drum filter assembly - Vac system	INCLUDED
1	STD-0007	20' x 1" Leader hose	INCLUDED
1	STD-0013	Kevlar Reinforced Poly-Chain Drive System	INCLUDED
1	STD-0061	Back Up Alarm	INCLUDED
1	A381622	HIBON Model 840 Blower (3800 cfm, 27" Hg.)	INCLUDED
1	300003522	Tank Top Access Ladder	INCLUDED
1	A385700-Short	Cyclone Separator and Clean Out Container	INCLUDED
1	A383923-2	Pneumatic Vacuum Breaker	INCLUDED
1	A175252-Cobra	Cobra Sewer Hose 1" x 600', 3000 PSI	INCLUDED
1	A338664-7	Digital Footage Counter IntelACount	INCLUDED
1	A382703-1	Auto Level Wind with Counter	INCLUDED
1	A215523	80 GPM @ 2500 PSI Water System	INCLUDED
1	121002495	1/2"x75' High Pressure Gun&Hose Assy w/Spring Retracting Reel	INCLUDED
1	121002494	1/2"x75' Washdown Gun&Hose Assy w/Spring Retracting Reel	INCLUDED
1	200070011	12V Cold Weather Recirculation Sysyem	INCLUDED
1	A239902	Water Purge/Blow Out System	INCLUDED
1	A215555-23	Unloader Control System Side & Rear	INCLUDED
1	A338837-1	Dual Floor Flushers Used with Tank Flush	INCLUDED
1	A245901-4	Debris Tank Vibrator	INCLUDED
1	A383990-2	Removable Decant Hose with Disconnect & Cap	INCLUDED
1	A381531-1	Remote Lubrication Manifold	INCLUDED
1	A249437-2	Remote Gear Box Sight Glass	INCLUDED
1	A382557-6	Dual Camera Split Monitor Reverse Camera System	INCLUDED
1	A249206-2	Hydraulic Body Back-Up System	INCLUDED
1	A120134	Blower Temperature Gauge	INCLUDED
1	A120051	Water Pump Hour Meter	INCLUDED
1	A385801	Aluminum Tool Trays on both side of Water Tanks	INCLUDED
1	A121005547	Step Toolbox	INCLUDED
1	A180757-S	48"W x 24"D x 24"H Tool Box with shelf	INCLUDED
1	300003903	Tube Rack, Sliding, Vertical, BOC, 8 Tube w/ Tool Storage	INCLUDED
1	A384668-3	Second Tiger Tail holder under rear splash shield	INCLUDED
5	A383826	Extension Tube 8' x 6' Band Lock	INCLUDED
1	A383830	Fluidizer Tube 8" x 3' Band Lock	INCLUDED
6	A399045	8" Band Lock Clamps	INCLUDED
1	A176150	25' x 2 1/2" Hydrant Fill Hose	INCLUDED
1	A220260-CH-NC	Traffic Cone Holdert	INCLUDED



City of South Portland
Capital Project Request Form
Fiscal Year 2023 Capital Improvement Plan

Project Title	14-yard Dump Truck		
Department	Water Resource Protection	Dept. Priority	14
Division	Collections Systems	Div. Priority	3
CIP Category	Environmental Protection		

Purchase/Project Description

This 2023 Capital Improvement request is for the purchase of a 14-yard Dump Truck used in the department's construction activities.

Funding for this item will be done over a three year period (FY 21/22, 22/23, 23/24). This item transports materials such as sand, loam, and gravel to and from construction sites. In addition, this vehicle is used for snow removal in the off-season.

This item will replace a 2007 dump truck which has met its useful life. This item will ensure material will be transported in a safe and timely manner. The project cost of \$146,600 was obtained from a local truck dealer.

Financial Impact of this Purchase/Project

We anticipate a \$12,000 trade in value for our existing truck. Additionally due to the significant cost, we plan on funding this items over a 3-year period starting with FY 21/22. We also expect our annual operating expense of this unit to go from its current level of \$7,414.00 to be reduced by 50% to \$ 3,707.00. The new truck will require less maintenance for the first few years. Additionally, the new diesel engines are much more fuel efficient.

Environmental Considerations

The new dump truck provides crucial support for the ongoing maintenance of our collection systems, which includes the repair and replacement of sewer lines and storm drains. There are currently no electric versions of this equipment available that provide the same level of service at a reasonable cost. The new truck will be equipped with the latest emissions technology.

Funding Source(s)	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.
Borrow/Lease Purchase							\$0	\$0
Fund Balance (General Fund)							\$0	\$0
General Fund (GF) Reserves							\$0	\$0
General Obligation Bonds							\$0	\$0
Grants							\$0	\$0
Non-GF Reserves/Surplus	\$48,867	\$48,678	\$48,867		\$36,867		\$134,601	\$48,678
Prior Year CIP Balances							\$0	\$0
TIF							\$0	\$0
Trade-In					\$12,000		\$12,000	\$0
Other (explain above)							\$0	\$0
TOTALS	\$48,867	\$48,678	\$48,867	\$0	\$48,867	\$0	\$146,601	\$48,678
Source of Cost Estimate	Daigle & Houghton Truck Center							
Est. Annual Operating Costs	\$4,133.00 per year		Projected Useful Life		12	Additional Documentation?		Yes
City Manager Comments								

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Truck Budget

City of South Portland

10/22/2020

International w/ Viking Equipment

130 Market Street
P.O. Box 191
Fort Kent, ME 04743
1-800-634-8666
(207) 834-6186
(207) 834-6183 fax

Chassis Price: \$ 114,700.00

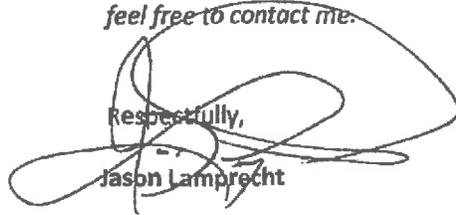
Equipment Price: \$ 31,900.00

TOTAL BUDGET PRICE: \$ 146,600.00

571 Coldbrook Road
P.O. Box 332
Hermon, ME 04401
1-888-329-4950
(207) 941-9600
(207) 941-9601 fax

www.daigleandhoughton.com

*If you have any questions please
feel free to contact me.*

Respectfully,

Jason Lamprecht

Proposal submitted by
Daigle and Houghton Inc
 571 Coldbrook Road Hermon, ME 04401
 Municipality Sales Rep- Jason Lamprecht
 Maine Office: (207) 941-9600 Ext 2008
 Cell Phone: (207) 951-6516
jlamprecht@daigleandhoughton.com




Prepared For:
SOUTH PORTLAND, CITY OF
PURCHASING AGENT
ROOM 102 CITY HALL
SOUTH PORTLAND, ME 04106-
(207)767 - 7635
Reference ID: N/A

Presented By:
DAIGLE & HOUGHTON INC
Jason Lamprecht
571 COLDBROOK RD.
HERMON ME 044011305
207-941-9600

Thank you for the opportunity to provide you with the following quotation on a new International truck. I am sure the following detailed specification will meet your operational requirements, and I look forward to serving your business needs.

Model Profile
2021 HV513 SFA (HV513)

AXLE CONFIG:	6X4
APPLICATION:	Construction Dump
MISSION:	Requested GVWR: 66000. Calc. GVWR: 66000 Calc. Start / Grade Ability: 27.77% / 2.73% @ 55 MPH Calc. Geared Speed: 88.1 MPH
DIMENSION:	Wheelbase: 193.00, CA: 109.50, Axle to Frame: 63.00
ENGINE, DIESEL:	{International A26} EPA 2017, 450HP @ 1700 RPM, 1700 lb-ft Torque @ 1000 RPM, 2100 RPM Governed Speed, 450 Peak HP (Max)
TRANSMISSION, AUTOMATIC:	{Allison 4500 RDS} 5th Generation Controls, Wide Ratio, 6-Speed with Double Overdrive, with PTO Provision, Less Retarder, Includes Oil Level Sensor, On/Off Highway
CLUTCH:	Omit Item (Clutch & Control)
AXLE, FRONT NON-DRIVING:	{Meritor MFS-20-133A} Wide Track, I-Beam Type, 20,000-lb Capacity
AXLE, REAR, TANDEM:	{Meritor RT-46-160} Single Reduction, 46,000-lb Capacity, Driver Controlled Locking Differential in Forward-Rear and Rear-Rear Axle, 200 Wheel Ends Gear Ratio: 4.56
CAB:	Conventional, Day Cab
TIRE, FRONT:	(2) 425/65R22.5 Load Range L HAC 3 (CONTINENTAL), 465 rev/mile, 68 MPH, All-Position
TIRE, REAR:	(8) 11R24.5 Load Range H HDR2 (CONTINENTAL), 468 rev/mile, 75 MPH, Drive
SUSPENSION, REAR, TANDEM:	{Hendrickson HMX EX 460} Walking Beam, 46,000-lb Capacity, 54" Axle Spacing, Rubber Springs, with Transverse Torque Rods, Rubber End Bushings
PAINT:	Cab schematic 100WM Location 1: 6E12, Blue Metallic (Std) Chassis schematic N/A

Description

Base Chassis, Model HV513 SFA with 193.00 Wheelbase, 109.50 CA, and 63.00 Axle to Frame.

TOW LOOP, FRONT

AXLE CONFIGURATION {Navistar} 6x4

Notes

: Pricing may change if axle configuration is changed.

FRAME RAILS Heat Treated Alloy Steel (125,000 PSI Yield); 11.25" x 4.00" x 0.500" (285.75mm x 101.6mm x 12.7mm); 480.8" (12212mm) Maximum OAL

BUMPER, FRONT Flat, Aluminum, Stainless Steel Clad, Heavy Duty

WHEELBASE RANGE 167" (425cm) Through and Including 197" (500cm)

AXLE, FRONT NON-DRIVING {Meritor MFS-20-133A} Wide Track, I-Beam Type, 20,000-lb Capacity

SUSPENSION, FRONT, SPRING Parabolic Taper Leaf, Shackles Type, 20,000-lb Capacity, with Shock Absorbers

BRAKE SYSTEM, AIR Dual System for Straight Truck Applications

Includes

: BRAKE LINES Color and Size Coded Nylon

: DRAIN VALVE Twist-Type

: GAUGE, AIR PRESSURE (2) Air 1 and Air 2 Gauges; Located in Instrument Cluster

: PARKING BRAKE CONTROL Yellow Knob, Located on Instrument Panel

: PARKING BRAKE VALVE For Truck

: QUICK RELEASE VALVE On Rear Axle for Spring Brake Release: 1 for 4x2, 2 for 6x4

: SPRING BRAKE MODULATOR VALVE R-7 for 4x2, SR-7 with relay valve for 6x4/8x6

TRAILER CONNECTIONS Four-Wheel, with Hand Control Valve and Tractor Protection Valve, for Straight Truck

Notes

: When electronic stability control is ordered with trailer connections on a 4x2 truck, please check the operator manual for trailer weight restrictions.

DRAIN VALVE {Berg} with Pull Chain, for Air Tank

AIR BRAKE ABS {Bendix AntiLock Brake System} 4-Channel (4 Sensor/4 Modulator) Full Vehicle Wheel Control System

AIR DRYER {Bendix AD-9} with Heater

BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 SqiIn Spring Brake

BRAKE CHAMBERS, FRONT AXLE {Bendix} 24 SqiIn

SLACK ADJUSTERS, FRONT {Haldex} Automatic

SLACK ADJUSTERS, REAR {Haldex} Automatic

AIR COMPRESSOR {Bendix BA-921 Head Unload} 15.9 CFM

AIR TANK Painted Aluminum, with Straight Thread O-Ring Ports

AIR DRYER LOCATION Mounted Inside Left Rail, Back of Cab

AIR TANK LOCATION (2) Mounted Under Battery Box, Outside Right Rail, Back of Cab, Perpendicular to Rail

DUST SHIELDS, FRONT BRAKE for Air Cam Brakes

DUST SHIELDS, REAR BRAKE for Air Cam Brakes

BRAKES, REAR {Meritor 16.5X7 Q-PLUS CAST} Air S-Cam Type, Cast Spider, Fabricated Shoe, Double Anchor Pin, Size 16.5" X 7", 23,000-lb Capacity per Axle

Description

BRAKES, FRONT (Meritor 16.5X6 Q-PLUS CAST) Air S-Cam Type, Cast Spider, Fabricated Shoe, Double Anchor Pin, Size 16.5" X 6", 20,000-lb Capacity

PARK BRAKE CHAMBERS, ADDITIONAL (2) Spring Brake Type

STEERING COLUMN Tilting

STEERING WHEEL 4-Spoke; 18" Dia., Black

STEERING GEAR (2) (Sheppard M100/M80) Dual Power

DRIVELINE SYSTEM (Dana Spicer) 1810HD Main Driveline with 1710 Interaxle Shaft, for 6x4

AFTERTREATMENT COVER Steel, Black

EXHAUST SYSTEM Single, Horizontal Aftertreatment Device, Frame Mounted Right Side Under Cab, for Single Vertical Tail Pipe, Frame Mounted Right Side Back of Cab

ENGINE COMPRESSION BRAKE by Jacobs; for N13/A26 Engines, with Selector Switch and On/Off Switch

TAIL PIPE (1) Turnback Type

EXHAUST HEIGHT 10'

MUFFLER/TAIL PIPE GUARD (1) Aluminum

ELECTRICAL SYSTEM 12-Volt, Standard Equipment

Includes

- : **DATA LINK CONNECTOR** For Vehicle Programming and Diagnostics In Cab
- : **HAZARD SWITCH** Push On/Push Off, Located on Instrument Panel to Right of Steering Wheel
- : **HEADLIGHT DIMMER SWITCH** Integral with Turn Signal Lever
- : **PARKING LIGHT** Integral with Front Turn Signal and Rear Tail Light
- : **STARTER SWITCH** Electric, Key Operated
- : **STOP, TURN, TAIL & B/U LIGHTS** Dual, Rear, Combination with Reflector
- : **TURN SIGNAL SWITCH** Self-Cancelling for Trucks, Manual Cancelling for Tractors, with Lane Change Feature
- : **WINDSHIELD WIPER SWITCH** 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever
- : **WINDSHIELD WIPERS** Single Motor, Electric, Cowl Mounted
- : **WIRING, CHASSIS** Color Coded and Continuously Numbered

CIGAR LIGHTER Includes Ash Cup

ALTERNATOR (Laece-Neville AV1180P2013) Brush Type, 12 Volt, 160 Amp Capacity, Pad Mount

BODY BUILDER WIRING Back of Day Cab at Left Frame or Under Sleeper, Extended or Crew Cab at Left Frame; Includes Sealed Connectors for Tail/Amber Turn/Marker/ Backup/Accessory Power/Ground and Sealed Connector for Stop/Turn

ELECTRIC TRAILER BRAKE/LIGHTS Accommodation Package to Rear of Frame; for Combined Trailer Stop, Tail, Turn, Marker Light Circuits; Includes Electric Trailer Brake Accommodation Package with Cab Connections for Mounting Customer Installed Electric Brake Unit, Less Trailer Socket

BATTERY SYSTEM (Fleetrite) Maintenance-Free, (4) 12-Volt 3800CCA Total, Top Threaded Stud

2-WAY RADIO Wiring Effects; Wiring with 20 Amp Fuse Protection, Includes Ignition Wire with 5 Amp Fuse, Wire Ends Heat Shrink and 10' Coil Taped to Base Harness

SPEAKERS (2) 6.5" Dual Cone Mounted in Both Doors, (2) 5.25" Dual Cone Mounted in Both B-Pillars

RADIO AM/FM/WB/Clock/Bluetooth/USB Input/Auxiliary Input

BACK-UP ALARM Electric, 102 dBA

STOP, TURN, TAIL & B/U LIGHTS (Truck Lite Super 40) Less Power Module, Includes License Plate Light, with Separate Rear Reflectors, Less Rubber Mount

Description

TRAILER AUXILIARY FEED CIRCUIT for Electric Trailer Brake Accommodation/Air Trailer ABS; with 30 Amp Fuse and Relay, Controlled by Ignition Switch

HORN, ELECTRIC Disc Style

BATTERY BOX Steel, with Plastic Cover, 16" Wide, 2-4 Battery Capacity, Mounted Right Side Back of Cab

RUNNING LIGHT (2) Daytime

CLEARANCE/MARKER LIGHTS (5) {Truck Lite} Amber LED Lights, Flush Mounted on Cab or Sunshade

STARTING MOTOR {Mitsubishi Electric Automotive America 105P} 12-Volt, with Soft-Start

CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III with Trip Indicators, Replaces All Fuses

TURN SIGNALS, FRONT Includes LED Side Turn Lights Mounted on Fender

HORN, AIR Single Trumpet, Black, with Lanyard Pull Cord

POWER SOURCE, ADDITIONAL Auxiliary Power Outlet (APO) & USB Port, Located in the Instrument Panel

FENDER EXTENSIONS Rubber

LOGOS EXTERIOR Model Badges

LOGOS EXTERIOR, ENGINE Badges

GRILLE Stationary, Chrome

INSULATION, SPLASH PANELS for Sound Abatement

BUG SCREEN Mounted Behind Grille

FRONT END Tilting, Fiberglass, with Three Piece Construction, Includes Long Hood

PAINT SCHEMATIC, PT-1 Single Color, Design 100

Includes

: PAINT SCHEMATIC ID LETTERS "WM"

PAINT TYPE Base Coat/Clear Coat, 1-2 Tone

PROMOTIONAL PACKAGE Utility Silver Package

SAFETY TRIANGLES

FIRE EXTINGUISHER BRACKET Mounted Left Side Driver Seat

CLUTCH Omit Item (Clutch & Control)

ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection

BLOCK HEATER, ENGINE {Phillips} 120V/1500W

Includes

: BLOCK HEATER SOCKET Receptacle Type; Mounted below Drivers Door

ENGINE, DIESEL (International A26) EPA 2017, 450HP @ 1700 RPM, 1700 lb-ft Torque @ 1000 RPM, 2100 RPM Governed Speed, 450 Peak HP (Max)

FAN DRIVE {Horton Drivemaster} Two-Speed Type, Direct Drive, with Residual Torque Device for Disengaged Fan Speed

Includes

: FAN Nylon

AIR CLEANER Single Element

FEDERAL EMISSIONS {International A26} EPA, OBD and GHG Certified for Calendar Year 2020

Description

FAN OVERRIDE Manual; with Electric Switch on Instrument Panel, (Fan On with Switch On)

FAN DRIVE SPECIAL EFFECTS Fan Cooling Ring with Fan Shroud Effects, Engine Mounted

EMISSION COMPLIANCE Low NOx Idle Engine, Complies with California Clean Air Regulations; Includes "Certified Clean Idle" Decal located on Driver Door

RADIATOR Aluminum, Welded, Cross Flow, Front to Back System, 1292 SqIn, with 1008 SqIn Charge Air Cooler

Includes

: DEAERATION SYSTEM with Surge Tank

: HOSE CLAMPS, RADIATOR HOSES Gates Shrink Band Type; Thermoplastic Coolant Hose Clamps

: RADIATOR HOSES Premium, Rubber

TRANSMISSION, AUTOMATIC (Allison 4500 RDS) 5th Generation Controls, Wide Ratio, 8-Speed with Double Overdrive, with PTO Provision, Less Retarder, Includes Oil Level Sensor, On/Off Highway

OIL COOLER, AUTO TRANSMISSION (Modline) Water to Oil Type

SHIFT CONTROL PARAMETERS (Allison) 3000 or 4000 Series Transmissions, S1 Performance in Primary and Fixed Programming in Secondary

TRANSMISSION SHIFT CONTROL Column Mounted Stalk Shifter, Not for Use with Allison 1000 & 2000 Series Transmission

TRANSMISSION OIL Synthetic; 63 thru 76 Pints

ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS) and Regional Haul Series (RHS), General Purpose Trucks, Construction, Package Number 223

NEUTRAL AT STOP Allison Transmission Shifts to Neutral When Service Brake is Depressed and Vehicle is at Stop; Remains in Neutral Until Service Brake is Released

PTO CONTROL, DASH MOUNTED For Customer Provided PTO; Includes Switch, Electric/Air Solenoid, Piping and Wiring

PTO LOCATION Dual, Customer Intends to Install PTO at Left Side and/or Top of Transmission

AXLE, REAR, TANDEM (Meritor RT-46-160) Single Reduction, 46,000-lb Capacity, Driver Controlled Locking Differential in Forward-Rear and Rear-Rear Axle, 200 Wheel Ends . Gear Ratio: 4.56

SUSPENSION, REAR, TANDEM (Hendrickson HMX EX 460) Walking Beam, 46,000-lb Capacity, 54" Axle Spacing, Rubber Springs, with Transverse Torque Rods, Rubber End Bushings

DIFF. SWITCH CONTROLS Two Independent Switches for Control Traction Differentials on Tandem Rear Axles, Mounted on Dash

TRANSVERSE TORQUE RODS Hendrickson TRAAX Rod, Transverse Rod Only

AXLE, REAR, LUBE (EmGard FE-75W-90) Synthetic Oil; 65 thru 89.99 Pints

DEF TANK 9.5 US Gal (36L) Capacity, Frame Mounted Outside Left Rail, Under Cab

LOCATION FUEL/WATER SEPARATOR Mounted Outside Left Rail, 15" Back of Cab

FUEL/WATER SEPARATOR (Racor 6600) 12 VDC Electric Heater, Includes Pre-Heater, Fuel Heated with Fuel Blender Valve, with Sight Bowl, Includes Water-In-Fuel Sensor

FUEL TANK Top Draw, Non-Polished Aluminum, 28" Dia, 70 US Gal (265L), Mounted Left Side, Under Cab

CAB Conventional, Day Cab

AIR CONDITIONER with Integral Heater and Defroster

GAUGE CLUSTER Base Level; English with English Speedometer and Tachometer, for Air Brake Chassis, Includes Engine Coolant Temperature, Primary and Secondary Air Pressure, Fuel and DEF Gauges, Oil Pressure Gauge, Includes 3 Inch Monochromatic Text Display

GAUGE, TEMPERATURE, AMBIENT Sensor Wiring with Display Unit Mounted in Cluster

Description

GAUGE, OIL TEMP, ENGINE

GAUGE, OIL TEMP, AUTO TRANS for Allison Transmission

GAUGE, AIR CLEANER RESTRICTION (Filter-Minder) with Black Bezel, Mounted in Instrument Panel

IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster

SEAT, DRIVER (National 2000) Air Suspension, High Back with Integral Headrest, Vinyl, Isolator, 1 Chamber Lumbar, with 2 Position Front Cushion Adjust, -3 to +14 Degree Angle Back Adjust

SEAT, PASSENGER (National) Non Suspension, High Back with Integral Headrest, Vinyl, with Fixed Back, with Under Seat Storage

GRAB HANDLE, EXTERIOR (2) Chrome, for Cab Entry, (1) Towel Bar Type, with Anti-Slip Rubber Inserts Mounted Left Side at B-Pillar, (1) Towel Bar Type Mounted Right Side on Vertical Exhaust

MIRRORS (2) C-Loop, Power Adjust, Heated, LED Clearance Lights, Bright Heads and Arms, 7.5" x 14" Flat Glass, Includes 7.5" x 7" Convex Mirrors, for 102" Load Width

Notes

: Mirror Dimensions are Rounded to the Nearest 0.5"

MIRROR, CONVEX, LOOK DOWN Right Side, Bright, 6" x 10.5"

CAB SOUND INSULATION Includes Dash Insulator Premium Floormat, and Sound Dampening Patches

CAB INTERIOR TRIM Classic, for Day Cab

Includes

: CONSOLE, OVERHEAD Molded Plastic with Dual Storage Pockets, Retainer Nets and CB Radio Pocket; Located Above Driver and Passenger

: DOME LIGHT, CAB Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Overhead Console, Center Mounted

: SUN VISOR (2) Padded Vinyl; 2 Moveable (Front-to-Side) Primary Visors, Driver Side with Toll Ticket Strap

ARM REST, RIGHT, DRIVER SEAT

WINDOW, POWER (2) and Power Door Locks, Left and Right Doors, Includes Express Down Feature

HOURLY METER, PTO for Customer Provided PTO; with Indicator Light and Hourmeter in Gauge Cluster Includes Return Wire for PTO Feedback Switch

CAB REAR SUSPENSION Air Bag Type

INSTRUMENT PANEL Flat Panel

SUNSHADE, EXTERIOR Aerodynamic, Painted Roof Color, with Integral Clearance/Marker Lights

ACCESS, CAB Steel, Driver & Passenger Sides, Two Steps per Door, for use with Day Cab and Extended Cab

WHEELS, FRONT DISC; 22.5x12.25 Rims, Non-Polished Aluminum, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs

WHEELS, REAR (Accuride 42362) DUAL DISC; 24.5x8.25 Rims, Standard Polish Aluminum, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs

(8) TIRE, REAR 11R24.5 Load Range H HDR2 (CONTINENTAL), 468 rev/mile, 75 MPH, Drive

(2) TIRE, FRONT 425/65R22.5 Load Range L HAC 3 (CONTINENTAL), 465 rev/mile, 68 MPH, All-Position

Services Section:

WARRANTY Standard for HV513, HV613 Models, Effective with Vehicles Built July 1, 2017 or Later, CTS-2030A

Radio

INTERNATIONAL®

Financial Summary
2021 HV513 SFA (HV513)

October 22, 2020

<u>Description</u>	(US DOLLAR)	<u>Price</u>
Net Sales Price:		\$114,700.00

Please feel free to contact me regarding these specifications should your interests or needs change. I am confident you will be pleased with the quality and service of an International vehicle.

Approved by Seller:

Accepted by Purchaser:

Official Title and Date

Firm or Business Name

Authorized Signature

Authorized Signature and Date

This proposal is not binding upon the seller without Seller's Authorized Signature

Official Title and Date

The TOPS FET calculation is an estimate for reference purposes only. The seller or retailer is responsible for calculating and reporting/paying appropriate FET to the IRS.

The limited warranties applicable to the vehicles described herein are Navistar, Inc.'s standard printed warranties which are incorporated herein by reference and to which you have been provided a copy and hereby agree to their terms and conditions.



Cives Corporation, dba
 Viking Cives (USA)
 2085 Lisbon Road
 Lewiston, Me. 04220
 Phone: (207) 624-1928
 Fax: (207) 783-9700
 tireland@vikingcives.com

QUOTATION

Quote ID:

Page 1 of 2

Customer: Daigle & Houghton/City of South Portland Resource Protection Dept. .

Contact: David Thomes

Address:

Budget Figure Only

Phone: 767-7680

Fax:

Attn:

Quote Number: 10098

Quote Date: 10/21/2020

Quote valid until: 01/01/2021

For:

Terms: Net 30 days

Salesperson: Tim Ireland

FOB: Lewiston, Maine

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
1	Beau Roc DH14'x48"x60" Dump Body Constructed of Hardox 450, 14' Long, 48" Sides, 60" Air Tailgate, Full Cab Shield, Transmission Mounted Air Operated Pump and PTO, Stainless Steel Frame Mounted Hydraulic Tank, Hoses, LED Strobes Front and Sides of Headboard, LED Strobes, Stop/Tail/Turn/Back Up Lights Mounted in rear corner posts, US Electric Cover with Hoop and Asphalt Tarp, Pintle Plate with 50 Ton Swivel Hook, D-Rings, Electrical Connector, Air Lines, Painted Dark Blue Base Coat Clear Coat and Installed.		
Quote Total:			\$31,900.00
Tax :			
Total Due:			\$31,900.00

The following options may be added:

QUANTITY	DESCRIPTION	PRICE EACH	AMOUNT

Customer must fill out the information below before the order can be processed...

Accepted by:	
Date:	
P.O. number:	

The price and terms on this quotation are not subject to verbal changes or other agreements unless approved in writing by the Home Office of the Seller. All quotations and agreements are contingent upon strikes, accidents, fires, availability of material and all other causes beyond our control. Prices are based on costs and conditions existing on date of quotation and are subject to change by the Seller before final acceptance.

◆ Typographical and stenographic errors subject to corrections. Purchaser agrees to accept either overage or shortage not in excess of ten percent to be charged pro-rata. Purchaser assumes liability for patent and copyright infringement when goods are made to



Cives Corporation, dba
Viking Cives (USA)
2085 Lisbon Road
Lewiston, Me. 04220
Phone: (207) 824-1928
Fax: (207) 783-9700
tireland@vikingcives.com

QUOTATION

Quote ID:

Page 2 of 2

Purchaser's specifications. When quotation specifies material to be furnished by the purchaser, ample allowance must be made for reasonable spoilage and material must be of suitable quality to facilitate efficient production.

- ◆ Conditions not specifically stated herein shall be governed by the established trade customs. Terms inconsistent with those stated herein which may appear on Purchaser's formal order will not be binding on the Seller.
- ◆ Unless otherwise stated, Installation charges do not include modifications to exhaust systems, cab protectors or bumpers.



City of South Portland
Capital Project Request Form
Fiscal Year 2023 Capital Improvement Plan

Project Title	Closed Circuit Television Inspection Van		
Department	Water Resource Protection	Dept. Priority	15
Division	Collections Systems	Div. Priority	4
CIP Category	Environmental Protection		

Purchase/Project Description

This 2023 Capital Improvement request is for the purchase of a Closed Circuit Television Inspection Van used in the city's sewer and stormwater systems.

The equipment allows staff the ability to develop asset management plans for future replacements and allow us to reduce the amount of residential sewer back-ups by performing condition assessments within the systems. The van will perform video inspections and condition assessments by using a mobile camera to enter into the city's collection systems and record valuable data of the overall conditions of the pipe lines.

This item will replace a 2008 van nearing the end of its useful life. The equipment cost of \$262,500.00 was obtained from Bahr Sales, Inc..

Funding for this item will be done over a three year period (FY 22/23, 23/24, 24/25).

Financial Impact of this Purchase/Project

We anticipate a \$10,000 trade-in value from our existing van. Additionally due to the significant cost, we plan on funding this items over a 3-year period starting in FY 22/23. We also expect our annual operating expense of this van to go from its current level of \$1,210.00 to be reduced by 50% to \$ 605.00. The new van will require less maintenance for the first few years. Additionally the new diesel engines are much more fuel efficient.

Environmental Considerations

The Closed Circuit Television Van is an essential component of the Collection Systems Division's operations. It supports the City's MEPDES permit (MEO100633) by ensuring proper sewer and storm drain functionality while minimizing the likelihood of CSO discharges and pipeline failures. Currently, there are no electrically powered versions of this equipment.

Funding Source(s)	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.
Borrow/Lease Purchase							\$ -	\$ -
Fund Balance (General Fund)							\$ -	\$ -
General Fund (GF) Reserves							\$ -	\$ -
General Obligation Bonds							\$ -	\$ -
Grants							\$ -	\$ -
Non-GF Reserves/Surplus	\$ 84,166	\$ 84,166	\$ 84,166		\$ 84,166		\$ 252,498	\$ 84,166
Prior Year CIP Balances							\$ -	\$ -
TIF							\$ -	\$ -
Trade-In					\$ 10,000		\$ 10,000	\$ -
Other (explain above)							\$ -	\$ -
TOTALS	\$ 84,166	\$ 84,166	\$ 84,166	\$ -	\$ 94,166	\$ -	\$ 262,498	\$ 84,166

Source of Cost Estimate	Bahr Sales, Inc							
Est. Annual Operating Costs	\$605.00 per year		Projected Useful Life		12	Additional Documentation?		Yes

City Manager Comments

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Specifications For: South Portland, ME

- 1 FREIGHTLINER DIESEL SPRINTER 3500, 11,030 GVWR**
 - 1 Bluetec SCR V6 Diesel Engine
 - 1 5-Speed Automatic Transmission
 - 1 170" Wheel Base
 - 1 Cab Air Conditioner
 - 1 AM / FM Radio

- 1 BACK-UP COLOR CAMERA SYSTEM [CHASSIS]**

- 1 BULKHEAD WALL BETWEEN CAB AND CONTROL ROOM**
 - 1 Door

- 1 LED TRAFFIC ADVISOR, WHELEN**

- 1 SPRINTER VAN EXTERIOR LIGHTING & CONTROL ROOM - EVOLUTION 3.0 TO INCLUDE:**
 - 2 Amber LED Strobe Warning Beacons
 - 2 Adjustable LED Floodlights Rear of Vehicle Area Illumination
 - Control Room Interior:
 - 1 Lonseal Lonplate Flooring
 - 1 Kemlite Wall & Ceiling Covering
 - 1 Bulkhead Wall With Passage Door From Control Room to Equipment Room
 - 1 Tinted Viewing Window in Bulkhead Wall
 - 1 Tinted Viewing Window in Bulkhead Door
 - 1 Above Desk Control Console with Rack Mount for Electronic Equipment
 - 1 Desktop / Work Area
 - 1 LED Light Fixture
 - 2 Electrical Outlet with Dual Receptacles
 - 1 Fire Extinguisher with Bracket, 10BC Rating
 - 1 Operators Chair
 - 1 Breaker Box Storage Area with Locking Positive Latch

- 1 ROOF TOP AIR CONDITIONER, 13,500 BTU WITH HEAT STRIP**

- 1 WALL MOUNTED ELECTRIC HEATER**

- 1 WALL MOUNTED ELECTRIC HEATER HOUSING**

- 1 STORAGE CABINET UNDER VIEWING ROOM DESKTOP**

- 1 BENCH SEAT IN VIEWING ROOM**

- 1 CUSHION FOR BENCH SEAT**

- 1 SPRINTER VAN EQUIPMENT ROOM INTERIOR - EVOLUTION 3.0 TO INCLUDE:**
 - 1 Lonseal Lonplate Flooring
 - 1 Kemlite Wall & Ceiling Covering
 - 1 Electrical Outlet with Dual Receptacles
 - 1 LED Light Fixture

- 1 MULTI-OUTLET WORKSTATION WITH LIGHTS AND USB PORTS**
- 1 LONSEAL LONPLATE FLOORING IN EQUIPMENT ROOM**
- 1 10-GALLON WASHDOWN SYSTEM TO INCLUDE:**
 - 1 10-Gallon Fresh Water Tank
 - 1 Electric Water Pump
 - 1 Retractable Hose Reel with 25' Water Hose and Nozzle
- 1 UPPER AND LOWER STORAGE CABINET IN EQUIPMENT ROOM**
 - 1 Lower Storage Cabinet / Work Top
 - 1 Upper Wall Mounted Storage Cabinet
- 1 WALL MOUNTED ELECTRIC HEATER**
- 1 WALL MOUNTED ELECTRIC HEATER HOUSING**
- 1 5-DRAWER TOOL CHEST, MODULINE**
- 1 4 1/2" VISE, BENCH MOUNT**
- 1 FIRST AID KIT**
- 1 SPOT LIGHT ASSEMBLY W/CORD REEL, LED, 12VDC**
- 1 UNIVERSAL PAPER TOWEL HOLDER IN EQUIPMENT ROOM**
- 1 24" REAR FLATSCREEN MONITOR**
 - 1 FlatScreen Monitor
 - 1 Cable Assembly - Video Monitor to Monitor in Control Room
 - 1 Monitor Mounting Bracket
- 1 ON-BOARD AC POWER SYSTEM, DYNAMIC INVERTER, 6.3KW**
- 1 DIGITAL ENGINEERING PANEL FOR INVERTER SYSTEM, BLACK**
- 1 OZ3 P&T ZOOM M/C LED CAMERA**
 - 1 Solid State Color Sewer TV Camera
 - 1 Pan & Rotate Camera Head, 40:1 Zoom Ratio, 10x Optical Zoom, 4x Digital Zoom
 - 1 NTSC Color Standard with 4x Light Integration
 - 1 4 X 5W Cluster LED's for 6" through 72" lines
 - 1 Camera Transportation and Storage Case
- 1 BUILT-IN SONDE FOR MAINLINE CAMERA TO INCLUDE:**
 - 1 Built In Transmitter, 512 Hz

- 1 LOCATOR,512HZ,8KHZ,33KHZSONDE+LINE**

- 1 BRASS COMP STEERABLE CAM TRANS, WHEELED -60V**
 - 1 Steerable Unit Designed to Turn 360 Degrees Within Its Own Radius
 - 1 Set of Driven Rubber Wheels to Inspect 6" Pipe
 - 1 Two (2) Speed Transmission to Maximize Torque in Large Diameter Pipe with:
 - 1 Manual Shifter on Camera Carrier
 - 1 Unit Shall Have Forward, Free Wheel, and Power Reverse Capabilities
 - 1 All Six (6) Wheel Drive Transporter Assembly to Include:
 - 1 Motor & Enclosed Drive Train
 - 1 Tip Up Rear Connector

- 1 8" RUBBER WHEEL KIT FOR COMPACT TRANSPORTER**

- 1 10-15" RUBBER WHEEL KIT FOR COMPACT TRANSPORTER**

- 1 6"-15"PIPE SPACER KIT**

- 6 WHEEL,STL,6"PVC PIPE,QCKCHG,SPIKE**

- 6 WHEEL, STEEL, 8", SINGLE PT, SPIKE**

- 6 WHEEL,STL,10-15"PIPE,QCK CHG,SPIKE**

- 1 12"-15" PNEUMATIC TIRE KIT FOR COMPACT TRANSPORTER**

- 1 1000' CABLE ASSEMBLY, M/C 12PIN METAL**
 - 1 1000' Gold Multi Conductor Kevlar Fiber Armored Combination TV Transmission / Tow Cable
 - 1 .450 Diameter
 - 1 Metal Splice Chamber with Pigtail
 - 1 Cable Strain Relief

- 1 TV REEL ASSEMBLY, MECHANICAL FOOTAGE FOR SUMMIT .450 CABLE**
 - 1 Black Thermoplastic Powder Coated Frame
 - 1 Power Levelwind & Multi Ratio Manual Transmission
 - 1 Footage Meter with Local Counter and Remote Electronic Counter
 - 1 Transmission Control at Viewing Station
 - 1 Local Reel Mount Electrical and Mechanical Control
 - 1 Sealed Continuous Contact Collector Assembly
 - 1 Removable Drip Pan for Cleaning

- 1 AUTOMATIC PAYOUT SYSTEM FOR REEL - INSTALLED**

- 1 DVR/USB ASSEMBLY KIT F/TRUCK**

- 2 **19" (MINIMUM) FLATSCREEN COLOR INDUSTRIAL TV MONITOR NTSC / PAL COLOR STANDARDS**
- 2 **MOUNTING HARDWARE FOR MONITOR to include Bracket(s), and / or Mount(s), and Miscellaneous hardware required to secure monitor for optimal safety and viewing.**
- 1 **PCU ASSEMBLY [RACK MOUNT]**
- 1 **CCU ASSEMBLY [RACK MOUNT]**
 - 1 Alpha Numeric Information Display, with Multi Paging and Defect Coding
 - 1 Remote "QWERTY" Keyboard
 - 1 On Screen Footage Display
- 1 **WIRELESS CONTROLLER**
 - 1 Joystick Control for Pan and Tilt Zoom Camera to Include:
 - 1 360 Degree Rotate
 - 1 330 Degree Optical Pan
 - 1 Joystick Control for All Steering Functions & Forward / Reverse Directions for Transporter
 - 1 Camera Lift Control Included with Electronic Lift for Compact Pipe Ranger
 - 1 All Other Controls for Camera to Include:
 - 1 Camera Iris and Focus Override & Zoom
 - 1 Camera Lights & Shutter Control for Light Enhancement
 - 1 Camera Diagnostics & Auto Home
 - 1 Cruise Control to Set Speed of the Transporter for Hands Off Operation
 - 1 All Reel Controls to Include: Retrieve, Release, and Variable Speed [Excluding Dolly Systems]
- 1 **WIRED USB CONTROLLER**
 - 1 Joystick Control for Pan and Tilt Zoom Camera to Include:
 - 1 360 Degree Rotate
 - 1 330 Degree Optical Pan
 - 1 Joystick Control for All Steering Functions & Forward / Reverse Directions for Transporter
 - 1 Camera Lift Control for Optional Electronic Camera Lift
 - 1 All Other Controls for Camera to Include:
 - 1 Camera Iris and Focus Override & Zoom
 - 1 Camera Lights & Shutter Control for Light Enhancement
 - 1 Camera Diagnostics & Auto Home
 - 1 Cruise Control to Set Speed of the Transporter for Hands Off Operation
 - 1 All Reel Controls to Include: Retrieve, Release, and Variable Speed [Excluding Dolly Systems]
- 1 **8.7" MINI KEYBOARD**
- 1 **SHORTING PLUG**
- 1 **TEST CABLE**
- 1 **COMPUTER ONLY [NO Granite SOFTWARE] TO INCLUDE (MINIMUM):* ****
 - 1 Motherboard LGA 1200 Socket and Intel Z590 Chipset
 - 1 Intel Core i7-11700 2.5-4.9 GHz Processor
 - 1 16 GB LP/DDR4 2666 RAM
 - 1 USB Video Capture Device for MPEG 1 / 2 / 4 /WMV
 - 2 LAN, On Board Network Connections, 2.5GbE (2.5Gbit/1 Gbit/100Mbit)

- 6 USB 3.2 Ports / Back
- 2 USB 3.0 Ports / front
- 1 USB Type C--Thunderbolt
- 2 RS232 Serial Ports
- 1 Bluetooth v5.1
- 1 WiFi a/b/g/n/ac/ax, 2.4/5 GHz Dual-Band
- 5 On Board Audio Ports
- 1 DVD + / - RW DVD Burner 20x / CD - RW 40x Internal Optical Drive
- 1 1 TB M.2 Solid State Drive
- 1 500 GB M.2 Solid State Drive
- 1 500 Watt 1U ATX Power Supply
- 1 Industrial Hardened Case Slim 2u (88mm) Design for 19" (482.6mm) Rack
- 1 Windows 10 Professional 64-bit Operating System
- 1 System Recovery Disk
- 1 USB C 12 in 1 docking station

*Spec for computers can change without notice

**International Configuration may vary to comply with the U.S. Department of Commerce, Bureau of Industry & Security regulations on export of technology

1 KEYBOARD AND MOUSE COMBO,WIRED

1 INKJET PRINTER

1 ALL NECESSARY CABLING AND COMPONENTS TO COMPLETE THE INTERFACE BETWEEN THE DATA ACQUISITION SYSTEM, PERIPHERALS, AND THE VIDEO INSPECTION EQUIPMENT

1 TRANSFER EXISTING GNET LICENSE WS#504751 TO THE NEW TRUCK

1 KIT,UPS,BELOW MOUNT TO INCLUDE THE FOLLOWING:

- 1 Input 120-Volt / Output 120-Volt
- 1 Cord Management Straps

1 KIT,DOWNHOLE,STD

- 1 Toproller Assembly, Manhole, TV Only, AI
- 1 Claw Hook, Manhole Adapter, f/WT319
- 1 Hook Assembly, Retrieval (SNGL,SHTY/LMP/PR)
- 6 Pole Assembly, Retrieval / Downhole tl,58"
- 1 Roller Assembly, Invert f/ WT319

1 MULTI CONDUCTOR TV ONLY TOOL KIT

- 1 Milliampmeter Tool
- 1 Electrical Tape
- 1 Needle Nose Pliers
- 1 Six-In-One Screwdriver
- 1 6" Adjustable Wrench
- 1 Anti Seize Grease
- 1 9-Piece Allen Wrench kit
- 1 Solder Iron Kit
- 1 Pliers
- 1 5/32 T-Handle Hex Wrench

- 1 REDI EVALUATION KIT TO INCLUDE:**
 - 1 Rugged Weather Proof Storage Case
 - 1 Digital Hi-Resolution Wide Angle Web Camera
 - 1 Diagnostic Test Box To Include:
 - 1 Voltage Test Points
 - 1 Built-In Mini Camera
 - 1 Footage Test Box
 - 1 Digital Multi-Meter
 - 1 USB Diagnostic Tool
 - 1 Video Cables And Adaptors

1 TRAINING, ON-SITE (THREE DAYS)

1 TRUCK DELIVERY-MAINE

BUDGET \$262,500.00



City of South Portland
Capital Project Request Form
Fiscal Year 2023 Capital Improvement Plan

Project Title	Electrify Everything program		
Department	Sustainability	Dept. Priority	1
Division		Div. Priority	
CIP Category	Environmental Protection		

Purchase/Project Description

This CIP request will fund a new program called Electrify Everything! This program will help us meet our climate goals and make housing more affordable for South Portland residents.

With the knowledge that we need all South Portland buildings electrified, which will put them on the pathway to clean renewable energy in order to reach our climate goals, the South Portland Sustainability Department proposes the creation of an Electrify Everything! program to provide easy and affordable ways for South Portland residents—beginning with homeowners—to implement beneficial electrification, a transition that both reduces greenhouse gas (GHG) emissions and lowers energy costs for residents, making housing more affordable. This program will consist of two parts:

- (1) A campaign to educate all South Portland residents about the benefits of and opportunities for beneficial electrification.
- (2) An incentives-based program focused on bridging the financial gap for low-to-moderate income homeowners.

Electrify Everything! will address a gap in the current landscape of beneficial electrification rebates. A large number of South Portland homeowners who are at or below 80% of the area median income (AMI), Cumberland County's standard for low-to-moderate income, do not qualify as low income through current programs offered by Efficiency Maine, LIHEAP, or the Opportunity Alliance. The any-income rebates offered by Efficiency Maine are often not substantial enough to make beneficial electrification affordable or feasible for these community members who could benefit from it most. By stacking additional rebates on top of existing Efficiency Maine rebates for this specific socioeconomic population, Electrify Everything! will level the playing field and make energy efficiency and renewable energy more affordable. This will reduce household energy costs and enable the City to reach our climate goals.

Beginning in FY23, when funding is allocated, the South Portland Sustainability Department will offer additional rebates that leverage existing Efficiency Maine rebates for air-source heat pumps, hot water heat pumps, weatherization/insulation, and electric vehicles (EVs). This will reduce the upfront costs of these technologies for South Portland homeowners who are at or below 80% of the AMI and do not qualify for Efficiency Maine's low-income rebates. Homeowners will qualify as low-to-moderate income for Electrify Everything! by filling out a self-identification form, based on a similar form used by Cumberland County for CDBG programming, and submitting this to the Sustainability Office.

More information is provided in the attached program narrative and draft budget spreadsheet.

Financial Impact of this Purchase/Project

We are requesting \$20,000 from CIP Fund Balance for the outreach and engagement portion of this program. We are requesting \$250,000 from ARPA Funds for low to moderate income residential rebates on qualifying equipment. Electrify Everything! rebates were estimated in conversation with Efficiency Maine, with values based on the type and efficiency of each technology, value of current rebates, and the affordability of electrification after all rebates are applied.

Environmental Considerations

The Electrify Everything! program will help us achieve several of our *One Climate Future* goals (most directly the electrification of home heating equipment and vehicles and resilient, affordable housing) by providing South Portland residents with added financial incentives to make installation of air-source heat pumps, hot water heat pumps, weatherization/insulation, electric vehicles (EVs), and rooftop solar more accessible.

Funding Source(s)	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.
Borrow/Lease Purchase							\$ -	\$ -
Fund Balance (General Fund)	\$ 20,000	\$ -					\$ 20,000	\$ -
General Fund (GF) Reserves							\$ -	\$ -
General Obligation Bonds							\$ -	\$ -
Grants							\$ -	\$ -
Non-GF Reserves/Surplus							\$ -	\$ -
Prior Year CIP Balances							\$ -	\$ -
TIF							\$ -	\$ -
Trade-In							\$ -	\$ -
Other (explain above)	\$ 250,000	\$ 270,000					\$ 250,000	\$ 270,000
TOTALS	\$ 270,000	\$ 270,000	\$ -	\$ -	\$ -	\$ -	\$ 270,000	\$ 270,000

Source of Cost Estimate	See above fiscal impact statement		
Est. Annual Operating Costs	\$ -	Projected Useful Life 10+ years	Additional Documentation? Yes

City Manager Comments Fund entirely from ARPA. Not eligible for grant program so propose using "lost revenue" ARPA allowance to fund.

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Electrify Everything! Project Narrative

1. Program Description

With the knowledge that we need all South Portland buildings electrified by 2050 in order to reach our climate goals, the South Portland Sustainability Office proposes the creation of an Electrify Everything! program to provide easy and affordable ways for South Portland residents—beginning with homeowners—to implement beneficial electrification, a transition that both reduces greenhouse gas (GHG) emissions and lowers energy costs for residents. This program will consist of two parts:

- (1) A campaign to educate all South Portland residents about the benefits of and opportunities for beneficial electrification.
- (2) An incentives-based program focused on bridging the financial gap for low-to-moderate income homeowners.

Electrify Everything! will address a gap in the current landscape of beneficial electrification rebates. A large number of South Portland homeowners who are at or below 80% of the area median income (AMI), Cumberland County’s standard for low-to-moderate income, do not qualify as low income through current programs offered by Efficiency Maine, LIHEAP, or the Opportunity Alliance. By stacking additional rebates on top of existing Efficiency Maine rebates for this specific socioeconomic population, Electrify Everything! will level the playing field and make energy efficiency and renewable energy more affordable. This will reduce household energy costs and enable the City to reach out climate goals.

Beginning in FY23, when funding is allocated, the South Portland Sustainability Office will offer additional rebates that leverage existing Efficiency Maine rebates for air-source heat pumps, hot water heat pumps, weatherization/insulation, and electric vehicles (EVs). This will reduce the upfront costs of these technologies for South Portland homeowners who are at or below 80% of the AMI and do not qualify for Efficiency Maine’s low-income rebates. Homeowners will qualify as low-to-moderate income for Electrify Everything! by filling out a self identification form, based on a similar form used by Cumberland County for CDBG programming, and submitting this to the Sustainability Office. Electrify Everything! rebates, as proposed in the table below, were calculated in conversation with Efficiency Maine, with values based on the type and efficiency of each technology, value of current rebates, and the affordability of electrification after all rebates are applied.

(INSERT TABLE HERE)

2. Project Need

South Portland is a vibrant, diverse, and historic community. According to U.S. Census Bureau estimates, the city is Maine’s fourth largest with roughly 26,000 residents and approximately 12,500 housing units, of which 80% are homeowners and 19% are renters. Although traditionally a blue collar community, South Portland has increasingly become less affordable. In 2021, South Portland underwent its first citywide property revaluation in 15 years. Through this revaluation, residential housing assessment increased an average of 45%, with some property values increasing as much as 70%. Many community members will find it difficult to afford the subsequent tax hike that follows such a steep increase in home

value, and some residents have even expressed that this financial burden may force them to move from their long-time homes.

Currently, the residential sector is responsible for 19% of Maine's greenhouse gas emissions, with approximately 60% of Maine's households relying on heating oil. This is the highest percentage of households that utilize heating oil as their primary heat source in the country. Here in South Portland, 73% of our homes are heated by fuel oil, which is inefficient, costly, and carbon-intensive. According to South Portland's 2017 GHG emissions inventory, the city's building stock is the greatest source of emissions, with the residential sector accounting for 19% of the city's total GHG emissions, or 65,035 metric tons of carbon dioxide equivalent each year (MTCO_{2e}).

According to the Maine Housing Authority, 96.3% of Maine's building stock was built before the State of Maine adopted an energy code. Presuming South Portland has a similarly historic building stock, the continued adoption of increasingly strict energy codes will only go so far in reducing GHG emissions, singularly reducing emissions related to new construction, and this strategy will not serve to reduce the bulk of building-related GHG emissions.

In addition, climate models suggest that Maine could warm by an additional 2 to 4°F by 2050 and up to 10°F by 2100 depending on the ability of our communities to curb GHG emissions. The Portland area has historically experienced four high-heat days a year where the heat index reaches over 95°F. The number of high-heat days per year is expected to reach 13.5 by 2050. Extreme heat is a significant public health risk, and since the majority of homes in Maine do not have cooling/air conditioning or rely upon inefficient window units, homeowners will need to install cooling systems to remain safe and comfortable during extreme heat events. By targeting air-source heat pumps, which are two times more efficient than window units, we can address these cooling needs without significantly increasing our energy use.

Conscious of the financial burden many South Portland homeowners are already experiencing in the face of revaluation and developed with the essential needs of our community in mind, Electrify Everything! will reduce South Portland's environmental impact and directly support our low-to-moderate income residents through the following means:

Reduces GHG emissions. In 2020, South Portland adopted *One Climate Future (OCF)*, the City's joint climate action and adaptation plan with the City of Portland, which sets ambitious but achievable climate action goals, such as reducing GHG emissions 80% by 2050. *OCF* identifies beneficial electrification as a key strategy to reduce GHG emissions associated with our existing buildings. Electrify Everything! also supports the State's emissions reduction goals, since *OCF* and *Maine Won't Wait*, the State's climate action plan, share many of the same or similar goals and strategies. Specifically, Electrify Everything! supports the State's targets of 100,000 new heat pumps in Maine by 2025, 130,000 homes using 1-2 heat pumps by 2030, 115,000 homes using a whole home heat-pump system by 2030, 41,000 light-duty EVs by 2025, and 219,000 light-duty EVs by 2030. With rebates included for both air-source heat pumps and EVs, Electrify Everything! will go a long way toward reaching these targets. By supporting homeowners in their transition to electric heating/cooling and personal transportation, Electrify Everything! will reduce GHG emissions related to each of these sources, with heat pumps emitting 60% less carbon dioxide than traditional oil burners and EVs emitting no tailpipe emissions. In addition, beneficial electrification will only continue to reduce GHG emissions as the grid shifts towards renewable sources of electricity,

spurred by the State's renewable portfolio standard (RPS), which mandates that 80% of our grid electricity come from renewable sources by 2030 and 100% by 2050. Homeowners who capitalize on Electrify Everything! incentives for weatherization and insulation will also improve home efficiency and further reduce GHG emissions.

Addresses housing affordability. Electric heat pump systems have site efficiencies of 250% to 300% or more, which is significantly higher than the 80-95% efficiency of traditional combustion-based systems like a gas boiler or furnace. With this increased efficiency, electric heat pumps have proven cost-competitive when replacing fuel oil systems, the heating source for the majority of South Portland homes, and provide important cost savings on utility bills; however, the upfront cost of these technologies can be cost prohibitive for low-to-moderate income homeowners, a population that would benefit the most from the cost savings. Through stacked incentives, Electrify Everything! will remove barriers for low-to-moderate income homeowners so they too can invest in and transition to these cost saving technologies. With additional rebates that support weatherization and insulation, Electrify Everything! will further reduce home heating and cooling costs and improves household comfort. Since the majority of South Portland's population relies on personal vehicles for transportation, Electrify Everything! rebates for EVs will also make living in South Portland more affordable—the average EV costs over 50% less per mile to charge than filling up a traditional gasoline-powered car.

Builds climate resilience. With the knowledge that South Portland will continue to have more frequent and intense high-heat days, it is essential to prepare for this public health hazard and improve the climate resilience of our infrastructure. Though it may not be clear from the name, heat pumps also provide renewable, energy-efficient cooling. By supporting the transition to this technology, Electrify Everything! will increase the number of homes that have reliable cooling capacity, providing these homeowners with increased comfort and safety during extreme heat events and reducing the need to invest in cooling centers.

3. Community Engagement

While financial incentives are important to establish affordability, strong community engagement is essential to enable accessibility, especially with an equity-centered program like Electrify Everything! South Portland needs every community member to be a part of our climate action plan and electrify their homes in order to reach our climate goals, so we have designed an Electrify Everything! campaign that will reach all of South Portland, in the hopes that with both financial incentives and a vibrant campaign our South Portland homeowners will be excited and motivated to electrify everything.

The Electrify Everything! campaign will be as energetic as the name of the program itself. Current outreach ideas include radio ads, bumper stickers, lawn signs, door hangers, and media advertisements, in addition to classic Sustainability Office outreach avenues such as a press release, the City website, Sentry articles, letter mailers to residents, and the community newsletter. Over the past few months, the Sustainability Office has built a relationship with *Amjambo Africa!*—a statewide newspaper curated for New Mainers, which is translated into six languages—with whom we are in the process of establishing a monthly climate-focused column, the perfect educational space to advertise Electrify Everything! The Sustainability Office will also rely upon key partners—such as the Human Rights Commission, Age Friendly South Portland, and the Redbank Community Hub—to spread the word to and educate their

respective communities using tool kits provided by the Sustainability Office. After getting the word out, the most important part of the outreach campaign will be an Electrify Everything! website with a strong landing page that details exactly how Electrify Everything! leverages Efficiency Maine rebates, how to redeem the stacked rebates, and for those who do not qualify specifically for current Electrify Everything! rebates, how to access standard Efficiency Maine rebates. Through creative and varied outreach mechanisms, everyone in our South Portland community will know what Electrify Everything! is and how to start electrifying.

4. Equity Considerations

Climate change disproportionately burdens communities that have faced a long history of oppression and marginalization; therefore, climate change increases social inequity, and existing social inequity magnifies the harm created by climate change. Because of this, vulnerable communities, such as low-income communities and communities of color, need to be centered in all climate action.

Electrify Everything! is first and foremost an equity-driven program that helps the people most vulnerable to climate impacts. Although South Portland is a relatively affluent community, U.S. Census data reveals that about 8.8% of South Portland residents (~1,000 households) have income below the federal poverty line, and 13.4% of residents (~1,500 households) have income below 150% of the poverty line. Moderate income residents are also feeling the squeeze of unpredictable energy costs. Considering a majority of South Portland homes are heated by fuel oil and natural gas, utilities are costly and further burden low-to-moderate income homeowners.

Through beneficial electrification of essential household appliances, homeowners can support climate action while also reducing their own financial burden; however, most South Portland residents who are at or below 80% of the AMI do not qualify for current low-income incentive programs, such as those offered by Efficiency Maine and the Opportunity Alliance, and the any-income rebates are often not substantial enough to make beneficial electrification affordable or feasible for these community members who could benefit from it most. Electrify Everything! bridges this gap for low-to-moderate South Portland homeowners so that they, too, can take advantage of beneficial electrification, lower their energy costs, and take climate action.

Electrify Everything -- program costs

DRAFT 1-26-22

Low-Income Rebates Chart

Equipment Rebates	Cost (Before Rebates)	Efficiency Maine Rebate	Other Rebates	Cost (After Rebates)	City Match	Cost remaining	Rebate Notes and Equipment Specs
Air Source Heat Pumps							
1st ASHP	\$3,750	\$2,000		\$1,750			HSPF of 13.0 or higher (12.5 or > allowed until further notice) Mini-split heat pump with a single outdoor unit and a single indoor wall unit \$5,100 combined
2nd ASHP	\$3,750	up to \$400		\$3,350			
Hot Water Heat Pumps							
HWHP (1 max)	\$1,329	\$850	\$479	\$0			Rebate ends June 30, 2022 Either buy with instant rebate OR use mail-in rebate
Weatherization							
Air Sealing with Energy Assessment	\$600	\$600		\$0			Fully covered at a \$600 value
Insulation	\$10,000	up to \$9,000		\$1,000			90% of the project cost up to \$9,000
Electric Vehicles							
New Battery Electric Vehicles (BEVs)	\$39,544	\$5,500	\$6,750	\$27,294			Rebates limited to one per customer or two per household Vehicle cost estimates are the average base MSRP of most basic model of EMT-eligible vehicles (10 BEVs and 14 PHEVs) Other Rebates: average maximum federal tax credit of EMT-eligible vehicles (10 BEVs and 14 PHEVs)
New Plug-In Hybrid Electric Vehicles (PHEVs)	\$37,836	\$4,000	\$6,235	\$27,601			
Used BEVs or PHEVs		\$2,500					Used vehicles must be 2015 or newer, purchased from a participating Maine dealer, and must be on Efficiency Maine's list of eligible used BEVs and PHEVs

Any Income Rebates Chart

Equipment Rebates	Cost (Before Rebates)	Efficiency Maine Rebate	Other Rebates	Cost (After Rebates)	City Match	Cost (After Rebates)	Rebate Notes and Equipment Specs
Air Source Heat Pumps							
1st ASHP (Tier 1)	\$3,550	\$400		\$3,150			HSPF of 12.0 or greater for systems with single indoor unit HSPF of 10.0 or greater for systems with multiple indoor units or a ducted indoor unit
2nd ASHP (Tier 1) - Priced for both	\$3,550	\$200		\$3,350			
1st ASHP (Tier 2)	\$3,750	\$800		\$2,950	\$1,200	\$1,750	HSPF of 12.5 or greater, single zone systems, wall-mounted indoor unit, no natural gas in home \$5,100 combined
2nd ASHP (Tier2) - Priced for both	\$3,750	\$400		\$3,350	\$0	\$3,350	
Hot Water Heat Pumps							
HWHP (1 max)	\$1,329 to \$1,699	\$850		\$479 to \$849	\$400	\$79 to \$449	Rebate ends June 30, 2022 Either buy through with instant rebate OR use mail-in rebate
Weatherization							
Air Sealing with Energy Assessment	\$600	\$500		\$100	\$100	\$0	Minimum customer co-pay of \$100
Insulation	\$10,000	up to \$3,000		\$7,000	\$2,000	\$5,000	30% of the project cost up to \$3,000
Electric Vehicles							
New Battery Electric Vehicles (BEVs)	\$39,544	\$2,000	\$6,750	\$30,794	\$3,500	\$27,294	Rebates limited to 2 rebates per 12-month period Vehicle cost estimates are average of base MSRP of most basic model of EMT-eligible vehicles (10 BEVs, 14 PHEVs) Other Rebates: average maximum federal tax credit of EMT-eligible vehicles (10 BEVs and 14 PHEVs)
New Plug-In Hybrid Electric Vehicles (PHEVs)	\$37,836	\$1,000	\$6,235	\$30,601	\$3,000	\$27,601	

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City of South Portland
Capital Project Request Form
Fiscal Year 2023 Capital Improvement Plan

Project Title	100 Resilient Yards		
Department	Sustainability	Dept. Priority	2
Division		Div. Priority	
CIP Category	Environmental Protection		

Purchase/Project Description

We are seeking grant funding to cover the majority of the costs for a substantial new program we would like to roll out called "100 Resilient Yards." This CIP request will provide matching funds and strengthen our grant applications by showing local support for the program.

As a coastal city, South Portland has focused on reducing the use of land care chemicals to protect the health of our waterways, residents, pets, and natural ecosystems. In 2016, South Portland passed an ordinance to restrict the use of pesticides for all turf, landscape, and outdoor pest management activities in the City and, in 2020, amended the ordinance to include a new section restricting fertilizer use.

In January 2021, South Portland released One Climate Future (OCF), a joint climate action plan with Portland that links the pesticide and fertilizer ordinances with priorities to build soil health and restore ecosystems in both coastal and inland areas. Soil health, water quality, and robust ecosystems are key to addressing climate change through providing habitat, reducing erosion, filtering stormwater pollution, and sequestering carbon. OCF outlines actions to achieve this type of holistic landscape resilience, based on these priorities, through the launch of a community outreach and demonstration program called "100 Resilient Yards." The goal of this program is to provide technical expertise and resources to residents and/or businesses to help them transform 100 properties into resilient, organic landscapes. A community-wide educational campaign will accompany every step of the program.

South Portland has been working with experts and community partners to develop best practices around pesticide and fertilizer use, and other resilient ecosystem initiatives for years. The priorities and criteria for 100 Resilient Yards are based on previous collaboration with Casco Bay Estuary Partnership, Beyond Pesticides, and organic land care expert Chip Osborne. For this project, we are taking our outreach and education to the next level based on feedback we have gathered. We are working with Friends of Casco Bay, Cumberland County Soil & Water Conservation District (CCSWCD), and Chip Osborne on scientific assessment and technical assistance. Resources for 100 Resilient Yards will be purchased and provided in-kind by CCSWCD, the Maine Organic Farmers & Gardeners Association (MOFGA), Wild Seed Project, and Maine Audubon. Citizen volunteers will support the project through Friends of Casco Bay and the Cumberland County Master Gardeners. All of our partners will assist with outreach and sharing the project through their communications networks.

More information is provided in the attached program narrative and budget spreadsheet.

Financial Impact of this Purchase/Project

With our partners, we are applying for \$50,000 through the Maine Coastal Community Planning grant to fund the majority of this work. This grant has a 25% match requirement, which we will meet with in-kind services and cash funding in order to be extremely competitive. We are also applying to the Onion Foundation for \$12,500, which is slightly more than their typical award. This CIP request would cover the remaining funds needed to roll out this program.

Environmental Considerations

This program will help us achieve several of our One Climate Future strategies. Healthy soils, waterways, and ecosystems are key to our ability to mitigate the impacts of climate change and help us to adapt to climate change. 100 Resilient Yards addresses these interconnected environmental systems by promoting organic land care without the use of pesticides and fertilizers, while also creating landscapes with healthy soils that absorb water, sequester carbon, and promote wildlife and a robust ecosystem.

Funding Source(s)	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.
Borrow/Lease Purchase							\$ -	\$ -
Fund Balance (General Fund)	\$ 14,500	\$ 14,500					\$ 14,500	\$ 14,500
General Fund (GF) Reserves							\$ -	\$ -
General Obligation Bonds							\$ -	\$ -
Grants	\$ 62,500	\$ 62,500					\$ 62,500	\$ 62,500
Non-GF Reserves/Surplus							\$ -	\$ -
Prior Year CIP Balances							\$ -	\$ -
TIF							\$ -	\$ -
Trade-In							\$ -	\$ -
Other (explain above)							\$ -	\$ -
TOTALS	\$ 77,000	\$ 77,000	\$ -	\$ -	\$ -	\$ -	\$ 77,000	\$ 77,000

Source of Cost Estimate

Projected budget needs in consultation with project partners

Est. Annual Operating Costs		Projected Useful Life 10+ years	Additional Documentation?	Yes
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City Manager Comments

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100 Resilient Yards: Information for Maine Coastal Program Grant

History

As a coastal city, South Portland has focused on reducing the use of landcare chemicals to protect the health of our waterways, residents, pets, and natural ecosystems. South Portland passed an ordinance to restrict the use of pesticides for all turf, landscape, and outdoor pest management activities in the City in 2016, and in 2020, amended the ordinance to include a new section restricting fertilizer use.

In January 2021, South Portland released *One Climate Future* (OCF), a joint climate action plan with Portland that links the pesticide and fertilizer ordinances with priorities to build soil health and restore ecosystems in both coastal and inland areas. Soil health, water quality, and robust ecosystems are key to addressing climate change through providing habitat, reducing erosion, filtering stormwater pollution, and sequestering carbon. OCF outlines actions to achieve holistic landscape resilience, based on these priorities through the launch of a community outreach and demonstration program called “100 Resilient Yards.” The goal of this program is to provide technical expertise and resources to residents and/or businesses to help them transform 100 properties into resilient, organic landscapes. A community-wide educational campaign will accompany every step of the program.

South Portland has been working with experts and community partners to develop best practices around pesticide and fertilizer use, and other resilient ecosystem initiatives for years. The priorities and criteria for 100 Resilient Yards are based on previous collaboration with Casco Bay Estuary Partnership, Beyond Pesticides, and organic landcare expert Chip Osborne. For this project, we are working with Friends of Casco Bay, Cumberland County Soil & Water Conservation District (CCSWCD), and Chip Osborne on scientific assessment and technical assistance. Resources for 100 Resilient Yards will be purchased and provided in-kind by CCSWCD, the Maine Organic Farmers & Gardeners Association (MOFGA), Wild Seed Project, and Maine Audubon. Citizen volunteers will support the project through Friends of Casco Bay and the Cumberland County Master Gardeners. All of our partners will assist with outreach and sharing the project through their communications networks.

Problem and Demonstrated Need

South Portland has roughly 12 miles of waterfront/coastline. The overuse and misapplication of fertilizers (whether organic or synthetic) on turf/grass causes excess nutrient loads to enter our streams, rivers, sewers, and ultimately, Casco Bay. These nutrient loads deplete oxygen in the ocean and create harmful algae blooms, increase ocean acidification, and degrade the overall water quality. In addition to the environmental impacts, fertilizer runoff also impacts the economic vitality of local fisheries and businesses.

Centuries of industrial activity, infill, development, and other human activities that degrade soil cover have led to long-term loss of soil structure, contamination from the accumulation of heavy metals and organic pollutants (such as petroleum or pesticides), loss of soil depth, as well as the loss of soil enzymes and microbial activity needed to sustain ecological functions. Degraded soil stunts plant growth, weakens root structures, and has a lower capacity to infiltrate and store rainwater, creating more runoff and carrying higher pollutant loads into nearby water bodies.

Healthy soils, waterways, and ecosystems are key to our ability to mitigate the impacts of and helps us to adapt to climate change. 100 Resilient Yards addresses these interconnected environmental systems by promoting organic landcare without the use of pesticides and fertilizers, while also creating landscapes with healthy soils that absorb water, sequester carbon, and promote wildlife and a robust ecosystem.

Concise explanation of what the project will do

This project will help create 100 resilient yards by providing in-depth, hyper-local technical assistance to 100 public-facing parcels across Portland and South Portland. A resilient yard is an organic landscape founded on healthy soil that supports ecological vitality, water quality, and carbon sequestration, while mitigating climate impacts and providing green space for recreation and local food production. Examples of landscapes include organic lawns, vegetable, flower, rain and pollinator gardens, food forests, permaculture, and re-wilded landscapes. The goal of this project is to kick-start a change in personal landcare practices to increase the resilience of our cities and our ecosystems in ways that also increase the quality of life of our residents and economy.

The project will begin by selecting 100 diverse public-facing land parcels that represent a range of conditions and problems local to our area. Property types may include single-family homes with traditional front yards; outdoor space at multi-family buildings and housing complexes; public outdoor space at schools, libraries, and City-owned properties; parcels belonging to businesses, faith centers, or other community centers; and unique spaces located on the road verge or median strip. Parcels will display issues common to our city, including: flood-prone sites, shoreland or wetland areas, soil compaction, lack of trees or green space, industrial contamination, erosion, lack of soil nutrients, weeds, and/or invasive species.

Each yard will receive a science-based assessment and analysis of current soil health and landscape conditions, along with recommendations to improve resilience, completed by our technical assistance partners CCSWCD and Chip Osborne. Next, our community partners will provide resources to implement resilience recommendations, including compost, rain barrels, outdoor composters, native plants/shrubs/trees, vegetable seeds and seedlings, fruit tree saplings, and raised bed vegetable gardens. Additionally, volunteer experts through Friends of Casco Bay's Bayscaping program and Cumberland County Cooperative Extension's Master Gardeners will provide up to one hour of implementation assistance to help property owners make changes to their yards. The program will culminate in the fall with documentation and community engagement to share the results of the project and encourage other residents to take up resilient, organic landcare.

Roles

100 Resilient Yards is led by the South Portland Sustainability Department Office, with assistance and input from staff working in Stormwater Management and Parks. Volunteers from the City's Landcare Management Advisory Committee will assist with outreach for the program. CCSWCD staff will project manage the program, as well as create and manage the application process. Expert technical assistance will be provided by CCSWCD staff and Chip Osborne. Community partners will help with outreach and will provide resources to increase resilience in yards. Marketing, graphics, printing, and web design will be contracted to Portland Design Co., a graphic design firm the City has worked with on many sustainability initiatives.

How it will be implemented

Prior to the project's start in fall 2022, a class at the University of Southern Maine will complete a literature review and develop criteria and benchmarks to evaluate the resiliency of yards. This data will help us measure the impact of the project after completion.

In fall 2022, we will hold a training session for the master gardener volunteers who will help with the implementation phase. The training will be led by MOFGA, CCSWCD, Friends of Casco Bay, and the Cooperative Extension.

Beginning in January 2023, we will enter the first phase of the project: selecting 100 yards. The contract graphic designer will create branding for the project and develop a brochure, online announcements, and a newspaper ad. CCSWCD will prepare an application for property owners to join the project, asking for information about their geographic location as well as their property type, issues, and desired outcomes. Our community partners and citizen volunteers will assist with promoting the project and will help to solicit applications. South Portland Sustainability staff will select properties that represent a diverse range of types, issues, conditions, and locations. CCSWCD will project manage the selection process.

Once the yards are selected, the technical assistance phase will occur from April-June 2023. CCSWCD will create a template to use for each yard's assessment and recommendations. First, each property will complete a soil test. Then, an expert from CCSWCD or Chip Osborne will conduct a 1-hour site visit. Following the site visit, the expert will write an assessment and recommendations to make a more resilient yard. CCSWCD will coordinate the site visits and project manage this phase.

After each yard receives their assessment and recommendations, CCSWCD will coordinate the distribution of resources to help property owners make their yards more resilient. These resources could include a rain barrel and plants to create a rain garden on a flood-prone property, or compost and native plants to re-wild a lawn, or a raised bed filled with compost, vegetable seedlings, and fruit tree saplings to turn a yard with poor soil into a vegetable garden. To assist property owners in implementing their recommendations, volunteer master gardeners will be available to provide up to one hour of assistance. The volunteers will be managed by the Cumberland County Cooperative Extension. Resource distribution and project management will be handled by CCSWCD. This phase will occur from June-September 2023.

The final phase of the project is to share the resources so other homeowners can apply this hyper-local technical assistance to their own yards. Each participant will get a yard sign to place in their front yard. Throughout the project, a photographer will periodically document different phases of the yards. This documentation, combined with the assessments and recommendations, will be organized by property type and conditions on a public website for other property owners to access and use. Additionally, a printed guide will be made of the documentation and recommendations with copies available at each public library. In the fall, we will host an "Open Yards" event in collaboration with all our community partners where we promote the yard signs and the website so members of the public can see the 100 resilient yards and explore recommendations for their own landscape.

100 Resilient Yards	Cash	In Kind	Notes
Preparation (Fall 2022)			
Volunteer training			
CCSWCD	\$ 1,500		
FCB		\$ 500	
MOFGA		\$ 500	
Cooperative Extension	\$ 1,000		
Project management			
CCSWCD	\$ 1,000		
Portland staff time		\$ 323	
SoPo staff time		\$ 323	
	<i>subtotal</i>	\$ 3,500	\$ 1,645
Phase 1: Selecting 100 Yards (Jan-April 2023)			
Promotion/Outreach			
contracted design services	\$ 4,000		
printing	\$ 1,000		
newspaper ad	\$ 500		
Application development			
CCSWCD	\$ 1,138		
Selection & Notification			
Portland staff time		\$ 886	
SoPo staff time		\$ 886	
Project management			
CCSWCD	\$ 1,000		
	<i>subtotal</i>	\$ 7,638	\$ 1,771
Phase 2: Technical Assistance (April-June 2023)			
Soil testing			
\$18/test @ 100	\$ 1,800		
Technical assistance template			
CCSWCD	\$ 1,810		
Site visit coordination			
CCSWCD	\$ 3,794		
1-hour site visits			
CCSWCD site visits	\$ 3,794		
CCSWCD travel	\$ 1,560		
Chip Osborne contract services	\$ 10,000	\$ 5,000	
Project management			
CCSWCD	\$ 1,000		
Portland staff time		\$ 886	
SoPo staff time		\$ 886	
	<i>subtotal</i>	\$ 23,758	\$ 6,771
Phase 3: Resources for Participants (June - Sept 2023)			
Coordinate resource distribution			
CCSWCD	\$ 4,363		
Volunteer management			
Cooperative Extension	\$ 4,051		
FCB		\$ 500	
Resources			
Vegetable seeds (MOFGA) 60 packs @ \$10	\$ 300	\$ 300	
Vegetable seedlings (MOFGA) 30 6-packs @ \$18	\$ 540		
Grafted fruit trees (MOFGA) 30 trees @ \$33		\$ 990	
Grafting materials (MOFGA)	\$ 100		
Compost (GtG) 50 yards at cost	\$ 1,950	\$ 1,300	

Filled raised beds (G to G) 15 @ 4x4	\$	2,700	\$	1,800
Filled raised beds (G to G) 15 @ 4x8	\$	3,600	\$	2,400
Rain barrels (CCSWCD) 50 @ \$70	\$	3,500		
Compost bins (CCSWCD) 40 @ \$55	\$	2,200		
Native plants/trees (Wild Seed)	\$	300		
Native plants/trees (ME Audubon)	\$	3,500		
Local nurseries?				

Project management

CCSWCD	\$	1,000		
Portland staff time			\$	886
SoPo staff time			\$	886
<i>subtotal</i>	\$	28,104	\$	9,061

Phase 4: Sharing Resources (September-December 2023)

Project documentation

Contracted photography	\$	1,000		
Website design/building	\$	2,000		
Printed guide	\$	2,500		
Videos	\$	5,000		

Project outreach

Open Yards event	\$	2,500		
yard signs for participants	\$	1,000		

Project management

Portland staff time			\$	886
SoPo staff time			\$	886
<i>subtotal</i>	\$	14,000	\$	1,771

TOTAL **\$ 77,000** **\$ 21,020**

FUNDING SOURCES

Maine Coastal Communities Plannign Grant	\$	50,000		
Onion Foundation	\$	12,500		
CIP	\$	14,500		
TOTAL	\$	77,000		

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City of South Portland
Capital Project Request Form
Fiscal Year 2023 Capital Improvement Plan

Project Title	Electric Vehicle Charging Stations		
Department	Sustainability	Dept. Priority	4
Division		Div. Priority	
CIP Category	Public Works & Transportation		

Purchase/Project Description

This CIP request is for funds to install electric vehicle (EV) charging stations around South Portland in an effort to build out a network of EV chargers accessible and readily-available to all. Specifically, by using existing programs staff in the Sustainability Department have developed, this fund will pay for the site work and installation costs of EV chargers, the purchase of the EV chargers and necessary materials, and the ongoing operation and maintenance costs of the EV chargers.

When the City Council passed *One Climate Future* in December 2020, the City committed to reducing community-wide greenhouse gas emission by 80% and taking the lead as a city in combatting the climate crisis through aggressive, yet realistic action. As 32% of our City's emissions come from the transportation sector, vehicle electrification remains one of the most impactful actions we can take to reduce our emissions. Accessible and readily-available EV chargers are integral to the successful societal transition to EVs, but are currently a major barrier to prospective EV purchasers, especially those who are renters or low-income.

Sustainability Department staff have created a prioritization list for the use of these funds in a number of existing and forthcoming programs.

1 - The RFP to Install and Maintain EV Charging Stations in South Portland (BID #27-22) was released on January 20th, with proposals due February 24th. The RFP solicits proposals for a qualified company to build EV chargers at strategic, agreed-upon City-owned sites. The RFP was released with no set cost to the City as the details and scope of the project will be decided once a company is selected. Funds will be used to build out this network of chargers. In the event the City enters a contract with a company at no cost to the City or,, if we receive no proposals for this RFP, the funds from this CIP request will be used for #2 and/or #3.

2 - With the research, analyses and quote-gathering completed in the development of the RFP to Install and Maintain EV Charging Stations in South Portland (BID #__), the City has much of the resources, understanding, and planning in place to install EV chargers at our own City-owned sites. Chargers on City property can be used by both the public and our City fleet. The funds from this CIP request will be used to directly install EV chargers by purchasing EV charging units, completing the necessary site work and electricity and infrastructure upgrades, and contracting operations and maintenance work.

3 - On June 1, 2021, the City Council approved ORDER #220-20/21, establishing the Economic & Sustainable Development Grant program, which included the [Level 2 EV Charging Grant](#). This competitive grant program funds Level 2 EV chargers at eligible businesses or workplaces in South Portland by awarding 50% of the allowable project costs, up to \$5,000 per EV charger plug. This program incentivizes businesses to add EV chargers throughout the City, especially in places where there are high densities of renters and low-income residents and, places where the City has limited means to add EV chargers of its own. The first two grant recipients, TideSmart Realty and Best Western Merry Manor Inn, were collectively awarded \$30,229.50 in January 2022, using 40% of the \$75,000 appropriated for this grant program. Staff anticipate the continued success of this program, with more interested businesses throughout the next two years, and will use the funds from this CIP request to replenish the Level 2 EV Charging Grant fund.

The RFP and grant program guidelines can be made available upon request.

☐

Financial Impact of this Purchase/Project

The \$200,000 will be used to expand the network of electric vehicle chargers in the City.

Environmental Considerations

The expansion of electric vehicle chargers in the City helps us towards the goals of vehicle electrification in *One Climate Future* by providing South Portland residents, workers, and visitors accessible places to charge; providing employees the convenience of workplace charging; and supplying our growing City fleet of EVs with ample charging options.

Funding Source(s)	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.
Borrow/Lease Purchase							\$ -	\$ -
Fund Balance (General Fund)	\$ 200,000	\$ 150,000					\$ 200,000	\$ 150,000
General Fund (GF) Reserves							\$ -	\$ -
General Obligation Bonds							\$ -	\$ -
Grants							\$ -	\$ -
Non-GF Reserves/Surplus							\$ -	\$ -
Prior Year CIP Balances							\$ -	\$ -
TIF							\$ -	\$ -
Trade-In							\$ -	\$ -
Other (explain above)							\$ -	\$ -
TOTALS	\$ 200,000	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 200,000	\$ 150,000

Source of Cost Estimate	Vendor Quotes		
Est. Annual Operating Costs	\$ -	Projected Useful Life 10+ years	Additional Documentation? No

City Manager Comments Reduced

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City of South Portland
Capital Project Request Form
Fiscal Year 2023 Capital Improvement Plan

Project Title	Solar Proliferation Study		
Department	Sustainability	Dept. Priority	3
Division		Div. Priority	
CIP Category	Environmental Protection		

Purchase/Project Description

This CIP request will fund a consultant study to review ways we can remove barriers to and help expedite solar development in South Portland.

The study will look at a number of variables including, but not limited to: ways we could expedite permitting while alleviating staff time, an analysis of how other communities have applied NFPA 1 standards with flexibility for solar arrays without compromising safety, financial incentives, and GIS resources that aid solar development. The study's scope of work will include interviewing solar developers for their perspectives, researching best practices and technologies from other communities, and developing a set of recommendations for South Portland to consider.

Efforts to enhance the efficiency of solar development, especially the permitting process, can help to accelerate the number of solar photovoltaic installations in South Portland, helping us meet our One Climate Future goals while generating resident and business cost savings.

In 2020, Grid Solar completed an analysis of rooftops in the Greater Portland area to estimate the cities' maximum capacity for rooftop solar generation, based on a set of physical and economic parameters for what constitutes a viable rooftop solar array. The study found that Portland and South Portland could collectively accommodate 375 MW of rooftop solar, or 599,492 MWh of annual generation—a capacity that could meet 29% of all electricity needed in both cities, even with electrification of buildings. In reality, however, it would be very difficult to meet this maximum build-out: not all building owners will install solar for a variety of technical, economical, or personal reasons. Nevertheless, the Grid Solar study offers proof a significant supply of solar can be locally sourced.

This study would help us achieve another significant step in the process of making solar a viable, financially feasible option for South Portland residents and businesses by targeting the last piece in the puzzle: soft costs associated with permitting and inspection. After years of advocacy and detailed rulemaking, in 2020 the Maine legislature established a policy framework that makes tariff rates for solar arrays attractive for organizations and businesses, as well as residents. In addition, the costs of solar have decreased drastically over the past decade. According to the National Renewable Energy Laboratory (NREL), "The last decade has shown a sharp, though now steadying decline in costs, driven largely by photovoltaic (PV) module efficiencies and hardware and inverter costs. Since 2010, there has been a 64%, 69%, and 82% reduction in the cost of residential, commercial-rooftop, and utility-scale PV systems, respectively. As in previous years, soft costs remain a large and persistent portion of installation costs, for both solar and storage systems, and especially for commercial and residential systems."

To grow solar generating capacity on private buildings in South Portland, we need to look at our internal permitting and approval process and ensure staff align around a process that is both efficient and favorable for solar. This study will provide the framework for this discussion.

Financial Impact of this Purchase/Project

No immediate financial impact. This study may provide recommendations that, if staff agree, could be raised as future operating or CIP requests.

Environmental Considerations

This study will help us implement several of our One Climate Future strategies including accelerating solar proliferation and increasing beneficial electrification. It will also help us move toward our ambitious goal of having 50 MW of solar installed by 2030 and 245 MW of solar installed by 2050 as stated in OCF. Overall the study will help us lower greenhouse gas emissions, reduce energy costs for residents and businesses, and help make buildings in South Portland more resilient.

Funding Source(s)	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.
Borrow/Lease Purchase							\$ -	\$ -
Fund Balance (General Fund)							\$ -	\$ -
General Fund (GF) Reserves	\$ 20,000	\$ 20,000					\$ 20,000	\$ 20,000
General Obligation Bonds							\$ -	\$ -
Grants							\$ -	\$ -
Non-GF Reserves/Surplus							\$ -	\$ -
Prior Year CIP Balances							\$ -	\$ -
TIF							\$ -	\$ -
Trade-In							\$ -	\$ -
Other (explain above)							\$ -	\$ -
TOTALS	\$ 20,000	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ 20,000	\$ 20,000
Source of Cost Estimate	Vendor estimate							
Est. Annual Operating Costs			Projected Useful Life 10+ years		Additional Documentation?		No	
City Manager Comments								

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GENERAL GOVERNMENT



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**City of South Portland
Capital Project Request Form**
Fiscal Year 2023 Capital Improvement Plan

Project Title	Community Broadband Network Project		
Department	Planning & Development	Dept. Priority	1
Division	Economic Development	Div. Priority	1
CIP Category	General Government		

Purchase/Project Description

We are requesting \$2,300,000.00 to be funded from Development District /TIF resources (recommend the Fairchild Development District) to fund:

Part A: \$2,000,000 to be used as a capital contribution to the development cost of an estimated \$25,000,000.00 total project cost for the development of a community-wide broadband network.

Part B. Up to \$300,000 to provide a municipal contribution for verified financial shortfalls related to the operation of a community-wide broadband network.

The City of South Portland currently has an Request For Proposal (RFP) for the development of this project - closing at end of day January 31, 2022.

The City is working to obtain public funding from City, County, and State sources in roughly equal amounts from each level of government to total approximately twenty-five percent (25%) of the estimated project cost of up to Twenty Five Million Dollars (\$25,000,000.00).

The cumulative public funding being sought is Six Million Two Hundred Fifty Thousand Dollars (\$6,250,000.00).

It is expected, a successful responder to the above referenced RFP will have the following requests of the City of South Portland.

The City (including the City School Department) to be an anchor tenant on the, to be constructed, community-wide broadband network.

The City will provide some limited "financial backstop" for operational shortfalls in the initial years of the establishment of the network, See Part B, below.

NOTE: TIF Funds may only be used to support commercial activities. Using round numbers, the population of the City of South Portland is 26,500+/- residents. The City is home to 1,600+ businesses. 1,600 businesses / 26,500 residents = 6.0604%. The estimated cost of the development of a citywide-network is \$25,000,000. 6.06% of that amount is \$1,515,000.00. \$1,515,000. We will be submitting a City ARPA Application for the requested funding; we are hopeful most of the funding will come from that source.

We are recommending the following CIP funding – TIF – 4 yr. commitment

(FY '23 Up to \$2.3MM), (Up to \$200K Yr. 2), (Up to \$150K Yr. 3), and (Up to \$150K Yr. 4) = Up to \$2.8MM over 4 yrs.

Financial Impact of this Purchase/Project

Up to \$2.3MM to be funded from City ARPA Funds or some combination of those funds and, partial funding from the Fairchild Development District TIF- in the upcoming 2023 Fiscal Year; up to a total of \$2,860,000 (FY '22 thru FY '26). The development of this network will also act as an attractor, bringing other new clean economy jobs to the City of South Portland, adding to the economic base and, by inference, increased personal and real property tax collections.

Environmental Considerations

The development of this network is not explicitly tied to the One Climate Future plan but, will be green in that it will allow for greater remote activities: work, education, and more to occur over our high-speed open access community-wide broadband network, which will be available to all. **GREEN CIP: YES to some degree.**

Funding Source(s)	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.
Borrow/Lease Purchase							\$ -	\$ -
Fund Balance (General Fund)							\$ -	\$ -
General Fund (GF) Reserves							\$ -	\$ -
General Obligation Bonds							\$ -	\$ -
Grants							\$ -	\$ -
Non-GF Reserves/Surplus							\$ -	\$ -
Prior Year CIP Balances							\$ -	\$ -
TIF			\$ 200,000		\$ 150,000		\$ 350,000	\$ -
Trade-In							\$ -	\$ -
Other (explain above)	\$ 2,300,000	\$ 2,300,000					\$ 2,300,000	\$ 2,300,000
TOTALS	\$ 2,300,000	\$ 2,300,000	\$ 200,000	\$ -	\$ 150,000	\$ -	\$ 2,650,000	\$ 2,300,000

Source of Cost Estimate Information based on conversations with perspective broadband developers and consultants.

Est. Annual Operating Costs **Projected Useful Life** 25 to 40 years **Additional Documentation?** No

City Manager Comments Assumes ARPA grant funding

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**City of South Portland
Capital Project Request Form**
Fiscal Year 2023 Capital Improvement Plan

Project Title	Child Care Grant		
Department	Planning & Development	Dept. Priority	2
Division	Economic Development	Div. Priority	2
CIP Category	General Government		

Purchase/Project Description

We are recommending CIP funding for the development of a grant program focused on the development of home-based child daycare businesses, as allowed under the American Rescue Plan Act (ARPA).

The daycare industry suffered significant contraction due to the COVID -19 pandemic. As a result, many parents have been unable to return to work for want of adequate and available quality daycare options for their children. We will be seeking \$175,000, which would provide for up to 10 grants of \$15,500 each for newly licensed "in-home" daycare businesses. As conceived, this grant program would also be open to existing daycare operations.

At present, we are researching the options for the establishment of such a grant program. The City of Portland recently established such a program, and our hope is they might consider managing and administering a similar program for the City of South Portland in exchange for an administration fee. More details remain to be worked out. If this looks feasible, we will be submitting an application for a like amount to the City requesting this CIP request be funded as allowed with American Rescue Plan Act (ARPA) funding.

Financial Impact of this Purchase/Project

Up to \$175,000 to be funded from City ARPA Funds or some combination of those funds and partial funding from the Fairchild Development District TIF- in the upcoming FY 2023.

Environmental Considerations

The development of this network is not explicitly tied to the One Climate Future plan. **GREEN CIP: NO**

Funding Source(s)	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.
Borrow/Lease Purchase							\$ -	\$ -
Fund Balance (General Fund)							\$ -	\$ -
General Fund (GF) Reserves							\$ -	\$ -
General Obligation Bonds							\$ -	\$ -
Grants							\$ -	\$ -
Non-GF Reserves/Surplus							\$ -	\$ -
Prior Year CIP Balances							\$ -	\$ -
TIF							\$ -	\$ -
Trade-In							\$ -	\$ -
Other (explain above)	\$ 175,000	\$ 175,000					\$ 175,000	\$ 175,000
TOTALS	\$ 175,000	\$ 175,000	\$ -	\$ -	\$ -	\$ -	\$ 175,000	\$ 175,000

Source of Cost Estimate Using Portland Maine Program as a template.

Est. Annual Operating Costs \$15,000 to \$20,000 Admin. Costs. **Projected Useful Life** **Additional Documentation?** No

City Manager Comments Assumes ARPA funding

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City of South Portland
Capital Project Request Form
Fiscal Year 2023 Capital Improvement Plan

Project Title	Helping Our Unhoused with Social services, Education, and Medical assistance (HOUSEME)		
Department	Executive	Dept. Priority	1
Division		Div. Priority	
CIP Category	General Government		

Purchase/Project Description

Since the onset of the pandemic in March 2020, the City of Portland and Preble Street have been placing most of their unhoused clients and asylum-seeking individuals/families primarily into four South Portland motels/hotels. This is due to COVID shelter space restrictions in Portland shelters, along with an overwhelming influx of new Mainers that would have exceeded shelter capacity even without COVID restrictions. As of January 18, 2022, there are 1,169 people in 10 different hotels in five different municipalities; with most in South Portland. This number has grown since the onset of COVID. For a long period of time, the hotel clients had not been receiving adequate physical/mental health, substance use, language interpretation, food, and other social services they need. This led to a precipitous increase in calls for service to South Portland's Police and Fire Departments in 2020 and 2021, with calls increasing 297% and 602%, respectively, to those four hotels compared to pre-pandemic numbers. Said another way, these hotels went from averaging less than one public safety call per day (0.8) to 5.6 in 2021. This does not include calls resulting from these guests that occurred in surrounding neighborhoods and businesses.

Over the past several months, the City of South Portland has worked with the City of Portland, the hotel owners, and a number of social service agencies to begin providing more services to those in need. The existing and emerging services include:

- Staffing: City of Portland
- Prepared Meals: Preble Street, MIRC, Amistad
- Transportation: City of Portland, MANA, MIRC
- Basic Needs: City of Portland, Preble Street
- Interpreter/Cultural Broker: City of Portland, MANA, GCSM
- Health: Greater Portland Health, City of Portland, Amistad, GCSM
- Clothing: Preble Street, MIRC
- Support Groups: MANA
- Housing Placement Services: MIRC, Immigrant Housing Coalition, Preble St
- On-site Security: MaineHousing, Hotels
- Youth Services: MANA

Some of these costs have been covered by FEMA. However, unless extended, these funds will expire in June 2022. At that time, some of these services will need to be discontinued. As the new shelter in Portland will not be completed until December 2022 at the earliest (but more likely not until early 2023), clients could go for perhaps a year without needed services.

The Helping Our Unhoused with Social services, Education, and Medical assistance (HOUSEME) initiative will continue to provide services that are entirely intended to benefit those individuals and families who earn less than 60 percent of the median income for South Portland and Cumberland County, and individuals served will be 100% below the federal poverty line. These services include on-site health workers, on-site service coordinators, on-site translation services, and security services.

Financial Impact of this Purchase/Project

Project cost is \$1.3 million, which is comprised of Security at two hotels (\$438,000), On-Site Health Services (\$208,000), Translation Services (\$104,000), On-Site Coordinators (\$300,000), and Supplies (\$250,000). City has applied for \$915,000 in funding from Cumberland County through their ARPA process and has received a commitment of \$125,000 from Maine State Housing Authority (MSHA). MSHA covers costs for Preble St to operate at the Days Inn. Request from the City of South Portland is for \$260,000 in ARPA funds, for which a Pre-Application has been submitted. This project is for a finite period and requires no ongoing funding.

Environmental Considerations

N/A

Funding Source(s)	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.
Borrow/Lease Purchase							\$ -	\$ -
Fund Balance (General Fund)							\$ -	\$ -
General Fund (GF) Reserves							\$ -	\$ -
General Obligation Bonds							\$ -	\$ -
Grants	\$ 1,040,000						\$ 1,040,000	\$ -
Non-GF Reserves/Surplus							\$ -	\$ -
Prior Year CIP Balances							\$ -	\$ -
TIF							\$ -	\$ -
Trade-In							\$ -	\$ -
Other (explain above)	\$ 260,000	\$ 1,300,000					\$ 260,000	\$ 1,300,000
TOTALS	\$ 1,300,000	\$ 1,300,000	\$ -	\$ -	\$ -	\$ -	\$ 1,300,000	\$ 1,300,000

Source of Cost Estimate

Current costs, projected costs

Est. Annual Operating Costs	\$0.00	Projected Useful Life	1 year	Additional Documentation?	No
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City Manager Comments

Assumes ARPA funding

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**City of South Portland
Capital Project Request Form**
Fiscal Year 2022 Capital Improvement Plan

Project Title	Data Center Hardware replacement		
Department	Executive	Dept. Priority	
Division	IT	Div. Priority	1
CIP Category	General Government		

Purchase/Project Description

Virtual Network replacement/upgrade in FY 2023. This item (estimated replacement cost of \$355,000) will be 7+ years old in FY2023 and due to reliability/performance concerns should be replaced at that time. As part of the annual general computer reserve contribution, funds have been set aside over the last 3 years to plan for this replacement. Currently, there is appx \$85,000 set aside so IT is asking for \$270,000 in CIP funding. This will eliminate approximately \$50,000 per year for maintenance, from the operational budget, on the current system. Maintenance costs for 5 years is included in the price.

Financial Impact of this Purchase/Project

Funding Source(s)	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.
Borrow/Lease Purchase							\$ -	\$ -
Fund Balance (General Fund)	\$ 270,000	\$ 270,000					\$ 270,000	\$ 270,000
General Fund (GF) Reserves							\$ -	\$ -
General Obligation Bonds							\$ -	\$ -
Grants							\$ -	\$ -
Non-GF Reserves/Surplus							\$ -	\$ -
Prior Year CIP Balances	\$ 85,000	\$ 85,000					\$ 85,000	\$ 85,000
TIF							\$ -	\$ -
Trade-In							\$ -	\$ -
Other (explain above)							\$ -	\$ -
TOTALS	\$ 355,000	\$ 355,000	\$ -	\$ -	\$ -	\$ -	\$ 355,000	\$ 355,000
Source of Cost Estimate								
Est. Annual Operating Costs	\$ 30,000.00	Projected Useful Life		7	Additional Documentation?		No	
City Manager Comments								

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**City of South Portland
Capital Project Request Form**
Fiscal Year 2022 Capital Improvement Plan

Project Title	Email Server Replacemnt		
Department	Executive	Dept. Priority	
Division	IT	Div. Priority	2
CIP Category	General Government		

Purchase/Project Description

Email Server Software (Microsoft Exchange 2016) will no longer be supported in FY24. Recommend replacement with Microsoft Exchange 2024 (on premise system) at a one time charge of \$185-195K. Alternate Email solutions are Microsoft Office 365 at a cost of \$175K per year and Google Mail services at a cost of \$115K per year. The on premise solution is the most cost effective at present. This will be combined with \$100K CIP request in FY24. The current 2022 Quote is \$182K with a built in 10% increase in CIP request.

Financial Impact of this Purchase/Project

Funding Source(s)	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.
Borrow/Lease Purchase							\$ -	\$ -
Fund Balance (General Fund)	\$ 55,000	\$ 55,000	\$ 145,000				\$ 200,000	\$ 55,000
General Fund (GF) Reserves							\$ -	\$ -
General Obligation Bonds							\$ -	\$ -
Grants							\$ -	\$ -
Non-GF Reserves/Surplus							\$ -	\$ -
Prior Year CIP Balances							\$ -	\$ -
TIF							\$ -	\$ -
Trade-In							\$ -	\$ -
Other (explain above)							\$ -	\$ -
TOTALS	\$ 55,000	\$ 55,000	\$ 145,000	\$ -	\$ -	\$ -	\$ 200,000	\$ 55,000
Source of Cost Estimate	Microsoft							
Est. Annual Operating Costs	\$28,500		Projected Useful Life 7 years		Additional Documentation?		No	
City Manager Comments								

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City of South Portland
Capital Project Request Form
Fiscal Year 2023 Capital Improvement Plan

Project Title	Comprehensive Plan Update Installment 3/3		
Department	Planning & Development	Dept. Priority	
Division	Planning	Div. Priority	1 of 9
CIP Category	General Government		

Purchase/Project Description

This CIP request seeks additional funding to support the Comprehensive Plan update. In FY22, the City Council was presented with a request for funding the Comprehensive Plan Update, which included \$66,190 in FY22 (Fund Balance of \$10,000, and Prior CIP of \$56,190), and a deferred allocation of \$75,000 (from GF reserves) for FY23. The request is for the deferred allocation from FY22.

Financial Impact of this Purchase/Project

None. Subsequent implementation of the plan will raises independent CIP items for consideration to realize the plan, and will be evaluated in turn.

Environmental Considerations

The Comprehensive Plan is necessary to implement the One Climate Future plan. **GREEN CIP: NO**

Funding Source(s)	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.
Borrow/Lease Purchase							\$ -	\$ -
Fund Balance (General Fund)	\$ 75,000	\$ 70,000					\$ 75,000	\$ 70,000
General Fund (GF) Reserves							\$ -	\$ -
General Obligation Bonds							\$ -	\$ -
Grants							\$ -	\$ -
Non-GF Reserves/Surplus							\$ -	\$ -
Prior Year CIP Balances							\$ -	\$ -
TIF							\$ -	\$ -
Trade-In							\$ -	\$ -
Other (explain above)							\$ -	\$ -
TOTALS	\$ 75,000	\$ 70,000	\$ -	\$ -	\$ -	\$ -	\$ 75,000	\$ 70,000

Source of Cost Estimate See FY22 CIP justification

Est. Annual Operating Costs		Projected Useful Life		Additional Documentation?	No
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City Manager Comments Partially reduce

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City of South Portland
Capital Project Request Form
Fiscal Year 2023 Capital Improvement Plan

Project Title	ARPA Affordable Housing Program		
Department	Planning & Development	Dept. Priority	
Division	Planning	Div. Priority	2 of 9
CIP Category	General Government		

Purchase/Project Description

This CIP request is an earmark for a requested American Rescue Plan Act (ARPA) allocation to support Affordable Housing creation through a dedicated fund for local projects that can be applied for by private entities seeking to build affordable housing, consistent with the eligibility criteria outlined in the ARPA application and request for funding submitted by the Planning Division. Please see the ARPA application for further details.

Financial Impact of this Purchase/Project

None. This would fund a quasi-grant program to help fund affordable housing production, and would be distributed through a competitive application process.

Environmental Considerations

This study is not related to One Climate Future plan. **GREEN CIP: NO**

Funding Source(s)	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.
Borrow/Lease Purchase							\$ -	\$ -
Fund Balance (General Fund)							\$ -	\$ -
General Fund (GF) Reserves							\$ -	\$ -
General Obligation Bonds							\$ -	\$ -
Grants							\$ -	\$ -
Non-GF Reserves/Surplus							\$ -	\$ -
Prior Year CIP Balances							\$ -	\$ -
TIF							\$ -	\$ -
Trade-In							\$ -	\$ -
Other (explain above)	\$ 1,000,000	\$ 1,000,000					\$ 1,000,000	\$ 1,000,000
TOTALS	\$ 1,000,000	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000	\$ 1,000,000
Source of Cost Estimate								
Est. Annual Operating Costs	\$12,000		Projected Useful Life				Additional Documentation?	No
City Manager Comments	Assumes ARPA funding							

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**City of South Portland
Capital Project Request Form**
Fiscal Year 2023 Capital Improvement Plan

Project Title	Mill Creek Art Installations		
Department	Planning & Development	Dept. Priority	
Division	Planning	Div. Priority	6 of 9
CIP Category	General Government		

Purchase/Project Description

Objective #2 in the Mill Creek Master Plan, adopted by the City Council in July of 2015, states the desire for the establishment of Mill Creek "as a distinct and special place with a clear identity, attractive gateways, and a high-quality visual environment so Mill Creek becomes a destination and a place where people want to spend time and live" (page 17). The addition of a mural to this area would enhance the visual environment and strengthen the identity and vitality of the area.

The Planning Division has been working with the former Arts and Historic Preservation Committee and staff is requesting \$15,000 to commission the installation of an art work within the Downtown TIF area, with a preference for an exterior wall mural. Staff has had preliminary conversations with the Mill Creek Shopping Center, which would be an ideal location as it would be visible from highly-trafficked Broadway, and the Greenbelt Trail. If ultimately this site is not viable, staff would work to identify similarly accessible and visible sites, with a preference for gateways identified in the Master Plan.

If funded, staff would release a Request for Proposals (RFP) to find an artist or multiple artists to complete the public art installation. The art would focus on welcoming people to Knightville / Mill Creek / South Portland in general, and would celebrate the South Portland community. The installation would seek to build community cohesion and promote equity/diversity through the artwork as well as production process. The artist would be chosen based on their RFP response outlining their vision and how it corresponds to the City's desires. Materials would be chosen by the artist and covered through the CIP. The installation shall be designed to be permanent.

Cost estimates for murals of similar size ranged from \$7,000 to \$20,000 (see attached).

Staff is requesting the art project is funded through TIF funds because this project would contribute to the beautification of the downtown area and is consistent with the TIF program for the downtown. This would be the first mural that the City has sponsored.

Financial Impact of this Purchase/Project

Maintenance of the mural may be desired but is not necessary. This would be a Council decision.

Environmental Considerations

This study is not related to One Climate Future plan. **GREEN CIP: NO**

Funding Source(s)	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.
Borrow/Lease Purchase							\$ -	\$ -
Fund Balance (General Fund)							\$ -	\$ -
General Fund (GF) Reserves							\$ -	\$ -
General Obligation Bonds							\$ -	\$ -
Grants							\$ -	\$ -
Non-GF Reserves/Surplus							\$ -	\$ -
Prior Year CIP Balances							\$ -	\$ -
TIF	\$ 15,000	\$ 15,000					\$ 15,000	\$ 15,000
Trade-In							\$ -	\$ -
Other (explain above)							\$ -	\$ -
TOTALS	\$ 15,000	\$ 15,000	\$ -	\$ -	\$ -	\$ -	\$ 15,000	\$ 15,000

Source of Cost Estimate Invoiced installation costs. See Attachment 1.

Est. Annual Operating Costs **Projected Useful Life** **Additional Documentation?** No

City Manager Comments

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City of South Portland
Capital Project Request Form
Fiscal Year 2023 Capital Improvement Plan

Project Title	Bicycle/Pedestrian Master Plan Phase 1		
Department	Planning & Development	Dept. Priority	
Division	Planning	Div. Priority	4 of 9
CIP Category	General Government		

Purchase/Project Description

The One Climate Future plan calls for an aggressive shift away from GHG-emitting forms of travel, and encouraging a mode shift to walking and cycling is critical. Furthermore, recent studies have illustrated that bike and pedestrian infrastructure improvements can significantly contribute to economic development through tourist spending and secondary spending.

The City does not have an overarching plan to evaluate and prioritize investments in bicycle and pedestrian infrastructure, however the following initiatives need this guidance:

- Capital investment into roadway improvement should factor in desired non-vehicular improvements within the ROW
- The City Council has adopted a Complete Streets Policy and the Planning/Public Works Departments are working on a citywide road re-classification to identify how roads are meant to function in a complete streets environment. Understanding the priorities and strategic improvements necessary to support bike/pedestrian travel is essential to understanding how roadways should be classified.
- The Open Space Plan calls for the acquisition of properties and a general desire to network open spaces and trails to connect the city from east to west. There is no plan guiding the connection effort.
- The Open Space Acquisition Committee is charged with prioritizing acquisitions to support the open space plan, and finding network linkages will be essential to this task. Without a bike/pedestrian master plan, the OSAC is challenged in being able to identify priorities.
- One Climate Future requires the creation of a series of neighborhood assessments to prioritize interventions for climate resilience and response. Understanding access to bike/pedestrian infrastructure and amenities is essential to this atlas of conditions.
- There is a need to prioritize infrastructure improvements equitably, and this study is needed to identify whether there is an inequitable distribution of access to bike/pedestrian amenities.

The project will fund an inventory of bike/pedestrian infrastructure, and through a transportation consultant firm, catalogue the myriad of conditions relevant to informing how the City should prioritize its bike/pedestrian infrastructure. This is a lean study and will not produce a bike/pedestrian Master plan. This is called a Phase 1 project to that end because it will develop a conditions and background assessment to inform how the City may prioritize future planning for bike/pedestrian improvements. Specific outcomes include: Mapping attractors/generators, crash locations, crash analysis, existing conditions (including network mapping, theft/safety incident reporting, trails and park mapping, school connections mapping, pedestrian facilities and condition, bike facilities and condition).

Phase II would be the production of the master plan, and would be funded after the Comprehensive Plan is developed and adopted. Phase II is funded through the implementation resources already assigned to the Comprehensive Plan budget (contingent on the FY23 allocation of \$75,000 that was planned for in FY22). If additional resources are not allocated to the Comp Plan Update effort, Phase II for the bike/pedestrian master plan would also need to be funded.

Cost estimates:

Kittery (2021): \$48,000; complete Master Plan.

The project is seeking \$12,000 in funding, which is 50% of the anticipated project cost, with the remainder to be secured through a competitive grant via MDOT, Bike Coalition of Maine, GPCOG, and other entities to be further explored.

Financial Impact of this Purchase/Project

Environmental Considerations

This study is necessary to support the One Climate Future plan. **GREEN CIP: YES**

Funding Source(s)	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.
Borrow/Lease Purchase							\$ -	\$ -
Fund Balance (General Fund)	\$ 12,000	\$ 12,000					\$ 12,000	\$ 12,000
General Fund (GF) Reserves							\$ -	\$ -
General Obligation Bonds							\$ -	\$ -
Grants							\$ -	\$ -
Non-GF Reserves/Surplus							\$ -	\$ -
Prior Year CIP Balances							\$ -	\$ -
TIF							\$ -	\$ -
Trade-In							\$ -	\$ -
Other (explain above)							\$ -	\$ -
TOTALS	\$ 12,000	\$ 12,000	\$ -	\$ -	\$ -	\$ -	\$ 12,000	\$ 12,000

Source of Cost Estimate Kittery 2021 Bike/Ped master plan schedule of costs for similar scope.

Est. Annual Operating Costs **Projected Useful Life** **Additional Documentation?** No

City Manager Comments

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City of South Portland
Capital Project Request Form
Fiscal Year 2023 Capital Improvement Plan

Project Title	Ferry Feasibility Study		
Department	Planning & Development	Dept. Priority	
Division	Planning	Div. Priority	5 of 9
CIP Category	General Government		

Purchase/Project Description

The 2022 Cushing's Point Corridor study the City commissioned through GPCOG evaluated the business case (viability) of a ferry service connecting the Bug Light area and downtown Portland. The One Climate Future plan identified a ferry connection to downtown Portland as a valuable and effective transit improvement that would support transit ridership and reduce overall vehicle-related greenhouse gas emissions.

Finally, the 2012 Comprehensive Plan, as well as current efforts underway with the property owner of 1 Madison Ave (PK Realty) indicate a potential, large, development is both desirable and may be proposed near Bug Light park in the next 2-4 years. In advance of the development proposal, and in preparation for identifying transit solutions to manage congestion on eastern Broadway, a ferry service should be further explored.

The next step for the ferry service is to conduct technical analysis for the cost and design parameters of the infrastructure needed to support a future ferry terminal in South Portland. Based on study proposals for the Cushing's Point study, staff has a clear understanding of the cost of such a study, which is approximately \$30,000. This is the amount of scope removed from the Cushing's Point study to focus that effort on business case viability rather than technical feasibility, which will be undertaken by the proposed study in FY23.

The funding is requested from TIF reserves as the ferry service terminal is a necessary infrastructure to support significant investment in the eastern Broadway area in particular, and because the primary ridership will likely be tourism-oriented, until the City experiences growth in 10-20 years' time.

Financial Impact of this Purchase/Project

None, however future ferry establishment would require a financing strategy, which may include an annual contribution from the City via TIF or other funding source. The financial obligations to the City are not determined by this study, and there is a need to explore cost-sharing measures with private partners, such as TIF, impact fees, and other mechanisms.

Environmental Considerations

This study is necessary to support the One Climate Future plan. **GREEN CIP: YES**

Funding Source(s)	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.
Borrow/Lease Purchase							\$ -	\$ -
Fund Balance (General Fund)							\$ -	\$ -
General Fund (GF) Reserves							\$ -	\$ -
General Obligation Bonds							\$ -	\$ -
Grants							\$ -	\$ -
Non-GF Reserves/Surplus							\$ -	\$ -
Prior Year CIP Balances							\$ -	\$ -
TIF	\$ 30,000	\$ 30,000					\$ 30,000	\$ 30,000
Trade-In							\$ -	\$ -
Other (explain above)							\$ -	\$ -
TOTALS	\$ 30,000	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ 30,000	\$ 30,000

Source of Cost Estimate	Prior proposal for Cushing's Point study.		
Est. Annual Operating Costs		Projected Useful Life	Additional Documentation? No

City Manager Comments

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PARKS AND OPEN SPACE



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**City of South Portland
Capital Project Request Form**
Fiscal Year 2023 Capital Improvement Plan

Project Title	Hinckley Park Rehabilitation		
Department	Parks, Rec, Waterfront	Dept. Priority	4
Division	Parks	Div. Priority	3
CIP Category	Parks & Open Space		

Purchase/Project Description

The Parks, Recreation and Waterfront Department is seeking funding for the beginning of restoration and protection efforts at Hinckley Park. At roughly 40 acres, Hinckley Park is an important environmental and wildlife habitat. For the last 3 years, the parks water quality has suffered from toxic cyanobacteria blooms, which are a direct result of excess amounts of nitrogen and phosphorous in the water. This is mostly due to loss of vegetation and soil erosion along the shorelines from people and dogs walking on it and from excess dog urine and pet waste left behind in the park.

This restoration plan aims to start restoring the park back to its natural condition and help restore important natural resources used by an abundance of local wildlife. This restoration plan will be implemented in several phases over the course of the next several years. During the first phase, we will remove non-native vegetation, restore lost soil from erosion, and revegetate with native plant species along a 100 foot portion of the shoreline of the lower pond. Additionally, we will restore steep grade portions of the trail where soil erosion is a concern for public safety and water quality. We will also install 3 sets of stairs, similar to the one at the lower pond, to allow people and dogs access to the water while preventing erosion and reducing negative impacts on vegetation and water quality. Additionally, we will sample the water quality at a greater frequency, which will allow us to track and monitor important data to help us gauge the health of the park and the effectiveness of our restoration efforts.

If we don't act now, one of the most important parks and habitats in the City will continue to deteriorate. Please help protect this gem for future generations.

Financial Impact of this Purchase/Project

The true financial impact of this project is immeasurable. Trees help cool homes and buildings, increase property values and deliver important benefits to society, such as providing oxygen, improving air quality, conserving water, preserving soil, etc. Additionally, this tree plan will provide us with a five year tree management plan, which will allow us to project our tree related costs (planting and maintenance) through 2028.

Environmental Considerations

The Kimball Brook watershed has been determined by Maine Department of Environmental Protection to be an Urban Impaired Stream. This brook is what feeds the two ponds at Hinckley Park and continues downstream into Trout Brook and then into Casco Bay. These ponds have seen three known toxic cyanobacteria blooms over the last three years. These ponds are used by youth and adults who fish and by dogs who use these waters in the warmer months to drink from and cool off in. This cyanobacteria is a form called Oscillatoria and is lethal to dogs if it is consumed. Blooms that are large enough can also remove oxygen from the water and cause large fish kills. The health of our shorelines plays a large roll in the water quality of the ponds and brooks. Loss of vegetation leads to soil erosion and feeds this toxic algal bloom. Pet waste and excess urine in the soil are main contributors of this bloom and revegetating and stabilizing the shoreline will help filter out some of these excess nutrients and, keep them from reaching the water.

Funding Source(s)	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.
Borrow/Lease Purchase							\$ -	\$ -
Fund Balance (General Fund)	\$ 100,000						\$ 100,000	\$ -
General Fund (GF) Reserves							\$ -	\$ -
General Obligation Bonds							\$ -	\$ -
Grants							\$ -	\$ -
Non-GF Reserves/Surplus		\$ 100,000					\$ -	\$ 100,000
Prior Year CIP Balances							\$ -	\$ -
TIF							\$ -	\$ -
Trade-In							\$ -	\$ -
Other (explain above)							\$ -	\$ -
TOTALS	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 100,000

Source of Cost Estimate	City of South Portland's Water Resource Protection and Parks, Recreation and Waterfront Departments				
Est. Annual Operating Costs	Less than \$1,000	Projected Useful Life	30+ years	Additional Documentation?	No

City Manager Comments Use Freshwater Compensation Fund as funding source

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City of South Portland
Capital Project Request Form
Fiscal Year 2023 Capital Improvement Plan

Project Title	3/4 Ton Truck with Plow		
Department	Parks, Rec, Waterfront	Dept. Priority	2
Division	Parks	Div. Priority	1
CIP Category	Parks & Open Space		

Purchase/Project Description

The Parks, Recreation and Waterfront Department seeks funds to replace truck #76, an 11 year old 3/4 ton extended cab pickup truck which has exceeded its useful life. Replacing this truck is mission critical as it is used for year round work at Wainwright Farms, which includes hauling trash, picking up parts and supplies, and hauling equipment. Additionally, it is used extensively for winter operations and emergency tree work. The new truck would come with a plow package.

If funding is not available for this replacement truck, the department will need to continue another year with an 11 year old vehicle which could end its useful life during the season, which could greatly impact department operations.

Financial Impact of this Purchase/Project

The true financial impact of this project is immeasurable. Trees help cool homes and buildings, increase property values and deliver important benefits to society, such as providing oxygen, improving air quality, conserving water, preserving soil, etc. Additionally, this tree plan will provide us with a five year tree management plan, which will allow us to project our tree related costs (planting and maintenance) through 2028.

Environmental Considerations

While technology for electric vehicles is on the rise, heavy duty trucks are still a few years away. Electric trucks currently available on the market would not be suitable to meet our varying work needs and the cost of them is astronomical. Additionally, the wait time is significant. As a department, we are looking forward to the day we can upgrade our fleet to electric trucks.

Funding Source(s)	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.
Borrow/Lease Purchase							\$ -	\$ -
Fund Balance (General Fund)	\$ 62,000	\$ 52,000					\$ 62,000	\$ 52,000
General Fund (GF) Reserves							\$ -	\$ -
General Obligation Bonds							\$ -	\$ -
Grants							\$ -	\$ -
Non-GF Reserves/Surplus							\$ -	\$ -
Prior Year CIP Balances							\$ -	\$ -
TIF							\$ -	\$ -
Trade-In							\$ -	\$ -
Other (explain above)							\$ -	\$ -
TOTALS	\$ 62,000	\$ 52,000	\$ -	\$ -	\$ -	\$ -	\$ 62,000	\$ 52,000

Source of Cost Estimate	O'Connor Trucks		
Est. Annual Operating Costs	\$500	Projected Useful Life 10+ years	Additional Documentation? YES

City Manager Comments Reduced as department does not need a diesel, which costs \$10,000 extra

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CHEVROLET

2022 SILVERADO 2500 CREW CUSTOM 4WD

EXTERIOR: RED HOT
INTERIOR: JET BLACK

ENG: DURAMAX 6.6L TURBO-DIESEL
TRANS: ALLISON 10-SPEED AUTO

STANDARD EQUIPMENT

ITEMS FEATURED BELOW ARE INCLUDED AT NO EXTRA CHARGE IN THE STANDARD VEHICLE PRICE SHOWN

OWNER BENEFITS

- 3 YEAR / 36,000 MILE* BUMPER-TO-BUMPER LIMITED WARRANTY
- FIRST MAINTENANCE VISIT
- WHICHEVER COMES FIRST SEE CHEVROLET.COM OR DEALER FOR TERMS, DETAILS & LIMITS

SAFETY & SECURITY

- REAR VISION CAMERA
- TEEN DRIVER MODE

PERFORMANCE & MECHANICAL

- AUTO LOCKING REAR DIFF
- ELECTRONIC TRANSFER CASE
- INDEPENDENT FRONT SUSPENSION
- MULTI-LEAF REAR SPRING SUSP
- STABILITRAK W/ TRAILER SWAY CONTROL & HILL START ASSIST
- ALL-TERRAIN TIRES

- TRAILERING PACKAGE WITH HITCH GUIDANCE

CONNECTIVITY & TECHNOLOGY

- CHEVROLET INFOTAINMENT 3 7" DIAG COLOR TOUCHSCREEN
- ADDITIONAL FEATURES FOR COMPATIBLE PHONES INCLUDE: BLUETOOTH AUDIO STREAMING VOICE COMMAND PASSTHROUGH TO PHONE, WIRED ANDROID AUTO & WIRED APPLE CARPLAY CAPABLE

- USB PORTS
- DRIVER INFORMATION CENTER
- REMOTE KEYLESS ENTRY
- REAR SEAT REMINDER

INTERIOR

- AIR CONDITIONING
- POWER WINDOWS
- FRONT 40/20/40 BENCH SEATS W/ COVERED ARMREST STORAGE
- 60/40 REAR FOLDING BENCH SEAT
- CARPETED FLOOR

- RUBBERIZED VINYL FLOOR MATS
- POWER DOOR LOCKS

EXTERIOR

- BODY-COLOR STYLING THEME
- CORNERSTEP REAR BUMPER
- SIDE BEDSTEPS
- CARGO BED RAIL PROTECTORS
- 12 TIE DOWNS IN CARGO BED
- HALOGEN REFLECTOR HEADLAMPS
- FRONT RECOVERY HOOKS

MANUFACTURER'S SUGGESTED RETAIL PRICE

STANDARD VEHICLE PRICE \$45,100.00

OPTIONS & PRICING

OPTIONS INSTALLED BY THE MANUFACTURER (MAY REPLACE STANDARD EQUIPMENT SHOWN)

- ENG: DURAMAX 6.6L TURBO-DIESEL 9,890.00
- CUSTOM VALUE PACKAGE 1,880.00
- REMOTE VEHICLE STARTER SYSTEM
- REAR-WINDOW DEFOGGER
- LED LIGHTING IN CARGO BED

- EZ LIFT, POWER LOCK & RELEASE TAILGATE
- TRAILER BRAKE CONTROLLER
- SIRIUSXM RADIO CAPABLE, ALL ACCESS TRIAL W/ SUBSCRIPTION SOLD SEPARATELY
- ONSTAR (R) SERVICES & 4G LTE WI-FI (R) AVAILABLE; SEE ONSTAR.COM FOR TERMS
- TRAILERING MIRRORS HEATED & POWER-ADJUSTABLE
- AUTO-DIMMING, W/ TURN INDICATORS

- 10-WAY POWER DRIVER SEAT 290.00
- 120V INSTRUMENT PANEL & CARGO BED POWER OUTLETS 225.00
- SNOW PLOW PREP/CAMPER PACKAGE: 150.00
- INCREASED GAWR
- SKID PLATES
- ROOF EMERGENCY LIGHT
- PROVISIONS W/ PASS THROUGH
- REAR AXLE: 3.42 RATIO
- GVWR: 11,350 LBS. (5,148 KG)

Visit us at www.chevy.com

20" MACHINED ALUM WHEELS W/ ACCENTS & SPOKES INC.

TOTAL OPTIONS	\$12,435.00
TOTAL VEHICLE & OPTIONS	\$57,535.00
DESTINATION CHARGE	1,695.00
TOTAL BEFORE SAVINGS	\$59,230.00
CUSTOM VALUE PACKAGE DISCOUNT	-250.00

TOTAL VEHICLE PRICE* \$58,980.00

California Air Resources Board

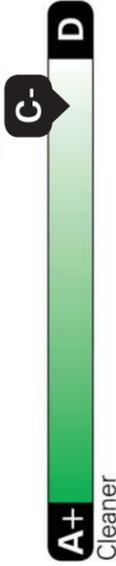
Diesel Vehicle

Environmental Performance

These ratings are not directly comparable to the U.S. EPA/DOT light-duty vehicle label ratings. For information on how to compare, please see www.arb.ca.gov/ep_label.

Protect the environment. Choose vehicles with **higher ratings**:

Greenhouse Gas Rating (tailpipe only)



Smog Rating (tailpipe only)



Vehicle emissions are a primary contributor to climate change and smog. Ratings are determined by the California Air Resources Board based on this vehicle's measured emissions.



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DEALER NO 32568
FINAL ASSEMBLY:
FLINT, MI U.S.A.

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DEALER TO WHOM DELIVERED
PAPE CHEVROLET, INC.
425 WESTBROOK ST
SOUTH PORTLAND, ME 04106-1997



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City of South Portland
Capital Project Request Form
Fiscal Year 2023 Capital Improvement Plan

Project Title	4100D Outfront Mower Replacement		
Department	Parks, Rec, Waterfront	Dept. Priority	3
Division	Parks	Div. Priority	2
CIP Category	Parks & Open Space		

Purchase/Project Description

The Parks, Recreation and Waterfront Department seeks funds to replace our John Deere 72" Outfront Mower (#3). Mower #3 is 13 years old and is no longer providing us the quality of cut needed. All of the bushings that connect the deck and push arms to the mower are worn out and the deck is bent. The mower has well over 3,000 hours on it, which according to the USGA is over 230,000 miles. Additionally, due to its age, our mower isn't Tier 4 emissions compliant.

We want to replace mower #3 with a Groundsmaster 4100D with a 123" cut. This mower is Tier 4 compliant (please see environmental considerations for more information) and has a much wider cut, which will significantly cut down on mowing time (and labor) in our parks. Additionally, this mower has a leaf mulching kit which will allow us to spend less time raking leaves in the fall and focus our efforts on other projects. If not funded, we run the risk of mower #3 dying mid-season, which would cripple our mowing operations. This project was funded in FY22, but we reallocated the funds for the emergency purchase and replacement of our rec bus that was no longer safe to use.

Financial Impact of this Purchase/Project

The true financial impact of this project is immeasurable. Trees help cool homes and buildings, increase property values and deliver important benefits to society, such as providing oxygen, improving air quality, conserving water, preserving soil, etc. Additionally, this tree plan will provide us with a five year tree management plan, which will allow us to project our tree related costs (planting and maintenance) through 2028.

Environmental Considerations

While not yet offered in electric, this mower has Tier 4 emissions. Established by the EPA as part of the Clean Air Act, Tier 4 regulations were put in place to reduce emission of particulate matter (PM) and oxides of nitrogen (NOx), primarily in nonroad diesel engines. The end goal for Tier 4 is to decrease diesel engine emissions by more than 90 percent for health benefits - health benefits that could amount to \$80 billion annually once all diesel engines are replaced, according to the "Clean Air Nondiesel Rule," published by the EPA Office of Transportation and Air Quality (OTAQ) in May 2004.

Funding Source(s)	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.
Borrow/Lease Purchase							\$ -	\$ -
Fund Balance (General Fund)	\$ 85,000	\$ 60,000					\$ 85,000	\$ 60,000
General Fund (GF) Reserves							\$ -	\$ -
General Obligation Bonds							\$ -	\$ -
Grants							\$ -	\$ -
Non-GF Reserves/Surplus		\$ 25,000					\$ -	\$ 25,000
Prior Year CIP Balances							\$ -	\$ -
TIF							\$ -	\$ -
Trade-In							\$ -	\$ -
Other (explain above)							\$ -	\$ -
TOTALS	\$ 85,000	\$ 85,000	\$ -	\$ -	\$ -	\$ -	\$ 85,000	\$ 85,000

Source of Cost Estimate	Turf Products		
Est. Annual Operating Costs	\$1,000	Projected Useful Life 10+ Years	Additional Documentation? No

City Manager Comments

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turf products

157 Moody Road • PO Box 1200 • Enfield, CT 06082
Main Office: (800) 243-4355 • FAX: (860) 763-5550

QUOTE

Prepared For: Rick Perruzzi
City of South Portland
25 Cottage Road South Portland, Maine
United States

Ship To: city of south portland 4100 1-
Quote Number: 12-21
Quoted Date: Q64547
Prepared By: **01/27/2022**
Robert Hobbs
bhobbs@turfproductscorp.com
207-233-1777

Qty	Model #	Description	Award	Extended
1	30608	Groundsmaster 4100-D (T4)	\$81,476.16	\$81,476.16
1	108-1451	Atomic Blade Service Pack (7 Blades, 19 Inch)		
1	30691	Lights Adapter Kit - Obsolete		
1	30414	North American Road Light Kit (MY13-MY20)		
1	31526	4WD Flow Divider Kit		

Toro Total:	\$81,476.16
Non – Toro Total:	\$0.00
Set Up:	\$0.00
Freight:	\$0.00
Trade Ins:	(\$0.00)
State Sales Tax:	\$0.00
Total Price:	\$81,476.16



turf products

157 Moody Road • PO Box 1200 • Enfield, CT 06082
Main Office: (800) 243-4355 • FAX: (860) 763-5550

QUOTE

While it is our intent to hold this pricing, this pricing is subject to change due to factors that are beyond the control of Turf Products and our vendors.

Final pricing will be determined 60 days prior to delivery.

PUBLIC SAFETY



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City of South Portland
Capital Project Request Form
Fiscal Year 2023 Capital Improvement Plan

Project Title	Pumper		
Department	Fire	Dept. Priority	1
Division		Div. Priority	
CIP Category	Public Safety		

Purchase/Project Description

The department is in need of a new pumper. With the anticipated retirement of Engine 49, the department will only have one true foam pump. The City still has a large number of petroleum facilities within its borders, which it realistically will still have for the foreseeable future as the demand for heating oil and vehicle fuel is not going away in the next 10+ years. Engine 46 is our one remaining true foam pumper. Our other front line apparatus do have foam pumping capacity but do not have the tank size or pump capacity to handle an oil tank fire. Engine 46 is due for replacement in 2022 (FY2023) and it too is having a number of frame/rot issues. At its current usage, which is both a fire apparatus and a foam unit, it is anticipated that it will need to have its frame and chassis replaced in 2-3 years, which is beyond the anticipated replacement timeframe and most likely not worth the investment. The department's plan is to replace this unit with a new pumper that also has minimal foam capacity and then reassign Engine 46 as Engine 49 and only use it for events that require foam. This should extend its life span to 5-8 years and not requiring the city to expend an additional \$100,000 to make the next pumper a true foam pump. As with the other vehicle purchases to delay this will have a trickle down effect on a number of moves the department needs to make all at once to balance the fleet while still maintaining proper coverage and ability to respond to any hazard. Additionally, vendors are seeing significant delays, best case scenario show 12-14 months after a signed contract before delivery. Delivery should be anticipated around December of 2023 if ordered in September of 2022.



FIRE DEPARTMENT FLEET INVENTORY				
		PROJECTED	REPLACEMENT	
VEHICLE	YEAR	YEARS	YEAR	CIP YEAR
L-42 (41)	1991	25	2016	2017
CR-45	2009	12	2021	2022
A-44	2010	12	2022	2023
PM-402	2007	15	2022	2023
E-46	2002	20	2022	2023
E-42	2003	20	2023	2024

Financial Impact of this Purchase/Project

There are significant financial programs such as leases available to purchase apparatus and spread out the costs. Purchasing to fire apparatus at the same time, while costly might not be a huge difference if grouped together vs purchasing in different budget years. In addition to the vehicles that will also be coming along in the next CIP.

Environmental Considerations

Fire apparatus technology is not as far along in terms of environmental considerations. Some of them do have anti-idling (similar to smaller passenger cars) and APU units (such as on airplanes). We will look at these options and implement if feasible/possible.

Funding Source(s)	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.						
Borrow/Lease Purchase							\$ -	\$ -
Fund Balance (General Fund)	\$ 450,000	\$ 450,000					\$ 450,000	\$ 450,000
General Fund (GF) Reserves	\$ 200,000	\$ 200,000					\$ 200,000	\$ 200,000
General Obligation Bonds							\$ -	\$ -
Grants							\$ -	\$ -
Non-GF Reserves/Surplus							\$ -	\$ -
Prior Year CIP Balances							\$ -	\$ -
TIF							\$ -	\$ -
Trade-In							\$ -	\$ -
Other (explain above)							\$ -	\$ -
TOTALS	\$ 650,000	\$ 650,000	\$ -	\$ -	\$ -	\$ -	\$ 650,000	\$ 650,000

Source of Cost Estimate	Allegiance Fire Apparatus		
Est. Annual Operating Costs	Projected Useful Life	15	Additional Documentation? No

City Manager Comments

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City of South Portland
Capital Project Request Form
Fiscal Year 2023 Capital Improvement Plan

Project Title	Ambulance		
Department	Fire	Dept. Priority	2
Division		Div. Priority	
CIP Category	Public Safety		

Purchase/Project Description

The department is in need of a new ambulance. Currently the Fire Department operates two front line ambulances and two spare units, which are used primarily when the front line units are out of service and on occasion when we have staffing to put a 3rd unit in service. With the significant increase in medical calls, our primary units are running more calls and need more maintenance than in past years. The city will also need to look at staffing a 3rd ambulance in the very near future (6-12 months), this will take one unit out of reserve status. The current unit up for replacement is a 2010 and has significant mechanical issues and is not very reliable as a reserve vehicle. Currently, the department's plan (which is being reviewed to prepare for a 3rd staffed unit) replaces these vehicles at 12 years and only keeps vehicles in a primary role for 6-7 years. In the past, the department has purchased ambulances on the City of Portland's contract, which has been anywhere from 10%-20% cheaper than bidding them out. At the present time, all four ambulances are Braun's and are set up almost identical (as best as possible considering what changes over 12 years). This is a huge benefit to the employees, as everything is in the same place on all vehicles, which is very important at 2:00 am when someone is having a heart attack and time is vital. Much like the Pumper, pushing this back will cost significantly more, as vendors are seeing lengthy delays, primarily in the chassis (Ford, Chevy, Dodge) appropriation. As with the Pumper, Ambulances are taking 10-12 months to deliver (normally 6 months or less).



FIRE DEPARTMENT FLEET INVENTORY

VEHICLE	YEAR	PROJECTED	REPLACEMENT	CIP YEAR
		YEARS	YEAR	
L-42 (41)	1991	25	2016	2017
CR-45	2009	12	2021	2022
A-44	2010	12	2022	2023
PM-402	2007	15	2022	2023
E-46	2002	20	2022	2023
E-42	2003	20	2023	2024

Financial Impact of this Purchase/Project

There are significant financial programs such as leases available to purchase apparatus and spread out the costs. Purchasing to fire apparatus at the same time, while costly might not be a huge difference if grouped together vs purchasing in different budget years. In addition to the vehicles that will also be coming along in the next CIP.

Environmental Considerations

Ambulance technology is not as far along in terms of environmental considerations. Some of them do have anti-idling (similar to smaller passenger cars) but do to the significant electrical draw of the medical equipment onboard there are limited options as of yet. As with the Pumper, we will look at these options and implement if possible.

Funding Source(s)	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.
Borrow/Lease Purchase	\$ 280,000	\$ 280,000					\$ 280,000	\$ 280,000
Fund Balance (General Fund)							\$ -	\$ -
General Fund (GF) Reserves							\$ -	\$ -
General Obligation Bonds							\$ -	\$ -
Grants							\$ -	\$ -
Non-GF Reserves/Surplus							\$ -	\$ -
Prior Year CIP Balances							\$ -	\$ -
TIF							\$ -	\$ -
Trade-In	\$ (5,000)	\$ (5,000)					\$ (5,000)	\$ (5,000)
Other (explain above)							\$ -	\$ -
TOTALS	\$ 275,000	\$ 275,000	\$ -	\$ -	\$ -	\$ -	\$ 275,000	\$ 275,000

Source of Cost Estimate

Autotronics

Est. Annual Operating Costs		Projected Useful Life	12	Additional Documentation?	No
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City Manager Comments

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**City of South Portland
Capital Project Request Form
Fiscal Year 2023 Capital Improvement Plan**

Project Title	Foam Trailer		
Department	Fire	Dept. Priority	3
Division		Div. Priority	
CIP Category	Public Safety		

Purchase/Project Description

The department currently has two designated foam pumps, E-46 (which is slated for reassignment in this CIP budget) and E-49, which will be deactivated once the new Quint (FY22 CIP) arrives (if not before) in 18 months. E-49 carries 500 gallons of AR-AFFF foam. At the moment, this vehicle is only a foam "tender" as both the foam and fire pumps have failed and cannot be repaired due to it's age.

The department has decided we do not need another true foam pumper at this time. Most front line apparatus have 30 to 200 gallons of foam, which can be deployed quickly and is sufficient for minor-intermediate level events. As we anticipate having petroleum storage for at least 20 more years, we need to find an alternative method of transporting this foam in the case of a significant event at one of the petroleum facilities.

What I am recommending is purchasing an additional foam trailer. We currently have one foam trailer, that carries 990 gallons of AFFF type foam. This new trailer would carry the 500 gallons of AR-AFFF (which is different and designed for ethanol fuels) that was on E-49. Funding for this would be from a reserve account funded by fees/invoices generated by FD responses to hazardous material events. Included is a quote from the company SPFD, the 6 terminals and Clean Harbors used to purchase the trailers some 10 years ago. We would also purchase a William's Foam adaptor capable of turning any fire pumper into a foam pump.

Estimate the cost to be about \$25,000.00.



Financial Impact of this Purchase/Project

Minimal impact as this would be funded by existing funds that have been set aside from hazmat responses to fund hazmat expenses.

Environmental Considerations

No environmental issues (foam is already owned but there is a push to replace that foam due to PFAS issues but no replacements have been developed/approved).

Funding Source(s)	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.
Borrow/Lease Purchase							\$ -	\$ -
Fund Balance (General Fund)							\$ -	\$ -
General Fund (GF) Reserves	\$ 25,000	\$ 25,000					\$ 25,000	\$ 25,000
General Obligation Bonds							\$ -	\$ -
Grants							\$ -	\$ -
Non-GF Reserves/Surplus							\$ -	\$ -
Prior Year CIP Balances							\$ -	\$ -
TIF							\$ -	\$ -
Trade-In							\$ -	\$ -
Other (explain above)							\$ -	\$ -
TOTALS	\$ 25,000	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ 25,000	\$ 25,000
Source of Cost Estimate	Combat Support Products, Inc.							
Est. Annual Operating Costs			Projected Useful Life		20	Additional Documentation?		No
City Manager Comments								

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City of South Portland
Capital Project Request Form
Fiscal Year 2023 Capital Improvement Plan

Project Title	Mechanic/Maintenance/Plow Truck		
Department	Police	Dept. Priority	2
Division		Div. Priority	2
CIP Category			

Purchase/Project Description

This Capital Improvement Project request is for the purchase of a new 3/4 ton pick-up truck, plow, and sander to replace the department's aging mechanic/plow truck. This is a vehicle used by the department's mechanic to haul tires and vehicle parts.

Additionally, this vehicle is used by the mechanic and maintenance worker to plow the lot after all winter storms. This vehicle would also be purposed as a source of transportation for the department's specialty units (Dive Team, Motor Unit, and Crisis Negotiations Unit) and their equipment on call-outs and training sessions.

The present vehicle, a 1998 Chevrolet K2500, has reached a point where the body is rotting off the frame and dependability has become nil. It has become necessary for the mechanic to borrow a truck and sander, when available, from the Department of Public Works for each snow storm. Our mechanic has been informed this option can only be exercised when there are staffing shortages at Public Works.

Truck \$40,900
 Plow \$8,100
 Lighting and extras \$4,200

Financial Impact of this Purchase/Project

Environmental Considerations

Funding Source(s)	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.
Borrow/Lease Purchase							\$ -	\$ -
Fund Balance (General Fund)	\$ 53,200	\$ 53,200					\$ 53,200	\$ 53,200
General Fund (GF) Reserves							\$ -	\$ -
General Obligation Bonds							\$ -	\$ -
Grants							\$ -	\$ -
Non-GF Reserves/Surplus							\$ -	\$ -
Prior Year CIP Balances							\$ -	\$ -
TIF							\$ -	\$ -
Trade-In							\$ -	\$ -
Other (explain above)							\$ -	\$ -
TOTALS	\$ 53,200	\$ 53,200	\$ -	\$ -	\$ -	\$ -	\$ 53,200	\$ 53,200

Source of Cost Estimate

Quirk Auto Group and Messer Truck Equipment

Est. Annual Operating Costs	\$2,500.00	Projected Useful Life	10+ Years	Additional Documentation?	No
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City Manager Comments

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City of South Portland
Capital Project Request Form
Fiscal Year 2023 Capital Improvement Plan

Project Title	Electric Mustang		
Department	Police	Dept. Priority	3
Division		Div. Priority	3
CIP Category	Public Safety		

Purchase/Project Description

The South Portland Police Department is looking to replace the 2011 Nissan Altima (VIN# 1N4AL2AP1BN496523) which is used for investigations and the (CRU) Community Resource Unit. Currently this vehicle has over 127,000 miles. In keeping with the recommendations of the Sustainability Department, we would like to purchase an all electric Mustang to replace this aging vehicle.

Vehicle: 2022 Ford Mustang Mach-E (K1S) Select AWD. Plus Outfit. \$47,935.00 + \$3,700 Up fit.

The 2022 Ford Mustang Mach-E blends popular elements of past and present in this highly desirable package that bodes well for the future of electric vehicles. This vehicle is estimated to travel more than 300 miles per charge. This vehicle which is entering into its second model year won the inaugural "Electric Vehicle" of the year award.

Fuel Economy and Real-World MPG:

The range-topping Mustang Mach-E with rear-wheel drive, and the extended range battery, boasts an EPA-estimated range of 305 miles. The all-wheel-drive version with the extended battery has an estimated driving range of 270 miles. However, there are a wider variety of ranges depending on the model and equipment. The Mach-E with the larger battery that we tested on our 75-mph highway fuel-economy route, which is part of our extensive testing regimen, went 250 miles on a single charge. Based on the increased capacity for 2022, we think it'll add about 8 miles of real-world highway range. For more information about the Mustang Mach-E's fuel economy, visit the EPA's website.

Warranty and Maintenance Coverage

Ford's current limited and powertrain warranty are competitive albeit unspectacular. We also expect the company to cover the Mach-E's electrical components for eight years or 100,000 miles.

Financial Impact of this Purchase/Project

In keeping up with the trends this electric motor vehicle will cut fuel costs considerably.

Environmental Considerations

Funding Source(s)	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.
Borrow/Lease Purchase							\$ -	\$ -
Fund Balance (General Fund)	\$ 52,000	\$ 40,000					\$ 52,000	\$ 40,000
General Fund (GF) Reserves							\$ -	\$ -
General Obligation Bonds							\$ -	\$ -
Grants							\$ -	\$ -
Non-GF Reserves/Surplus							\$ -	\$ -
Prior Year CIP Balances							\$ -	\$ -
TIF							\$ -	\$ -
Trade-In							\$ -	\$ -
Other (explain above)							\$ -	\$ -
TOTALS	\$ 52,000	\$ 40,000	\$ -	\$ -	\$ -	\$ -	\$ 52,000	\$ 40,000

Source of Cost Estimate	
Est. Annual Operating Costs	
Projected Useful Life	5-7 Years
Additional Documentation?	Yes

City Manager Comments Not a Mustang, but another, less expensive EV

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City of South Portland
Capital Project Request Form
Fiscal Year 2023 Capital Improvement Plan

Project Title	Taser Replacement Purchase Agreement		
Department	Police	Dept. Priority	5
Division		Div. Priority	5
CIP Category	Public Safety		

Purchase/Project Description

The Taser X7 (generation 7) less-lethal Electronica Control Weapon (ECW) came on to the market in mid-2018 and is a vastly more effective and efficient product that significantly reduces the risk of injury to officers and, offers many additional options that will assist our officers in making it home safely to their families at the end of each tour.

The X7 streamlines the training, record keeping, and inventory management process with modern internet-based functionality. The Taser 7 has functionality that allows for the de-escalation of critical incidents without the deployment of the probes which compliments the Mental Health First Aid and Crisis Intervention Team training all SPPD officers have received.

The Taser Certification Plan spreads the purchase price over 5 years (interest free) and includes the Taser, holster, training and duty cartridges, rechargeable batteries, on-line annual training and instructor certification, network connected docking station, and a 5 year immediate replacement warranty.

FY2023 is the second year of the 5 year purchase agreement.

Financial Impact of this Purchase/Project

Environmental Considerations

Funding Source(s)	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.
Borrow/Lease Purchase							\$ -	\$ -
Fund Balance (General Fund)	\$ 41,760	\$ 41,760	\$ 41,760		\$ 83,520		\$ 167,040	\$ 41,760
General Fund (GF) Reserves							\$ -	\$ -
General Obligation Bonds							\$ -	\$ -
Grants							\$ -	\$ -
Non-GF Reserves/Surplus							\$ -	\$ -
Prior Year CIP Balances							\$ -	\$ -
TIF							\$ -	\$ -
Trade-In							\$ -	\$ -
Other (explain above)							\$ -	\$ -
TOTALS	\$ 41,760	\$ 41,760	\$ 41,760	\$ -	\$ 83,520	\$ -	\$ 167,040	\$ 41,760

Source of Cost Estimate	Axon Purchase Agreement		
Est. Annual Operating Costs	Projected Useful Life	5 Years	Additional Documentation? No

City Manager Comments

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City of South Portland
Capital Project Request Form
Fiscal Year 2023 Capital Improvement Plan

Project Title	Digital Storage (For body-worn and in-car video)		
Department	Police	Dept. Priority	8
Division		Div. Priority	8
CIP Category	Public Safety		

Purchase/Project Description

The requested funds will support a two year CIP plan (FY2022-FY2023) request from the City of South Portland Information Technology Department to upgrade the equipment responsible for the digital storage of the South Portland Police Department body-worn and in-car camera systems video.

This footage is imperative to criminal investigations, criminal prosecutions, public records requests, annual accreditation reviews, and citizen complaints and inquiries.

Financial Impact of this Purchase/Project

Aside from the purchase of this equipment, there is little to no impact on the city.

Environmental Considerations

Funding Source(s)	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.
Borrow/Lease Purchase							\$ -	\$ -
Fund Balance (General Fund)	\$ 24,000	\$ 24,000		\$ -		\$ -	\$ 24,000	\$ 24,000
General Fund (GF) Reserves							\$ -	\$ -
General Obligation Bonds							\$ -	\$ -
Grants							\$ -	\$ -
Non-GF Reserves/Surplus							\$ -	\$ -
Prior Year CIP Balances							\$ -	\$ -
TIF							\$ -	\$ -
Trade-In							\$ -	\$ -
Other (explain above)							\$ -	\$ -
TOTALS	\$ 24,000	\$ 24,000	\$ -	\$ -		\$ -	\$ 24,000	\$ 24,000

Source of Cost Estimate	Information Technology Department		
Est. Annual Operating Costs	Projected Useful Life	5-10 years	Additional Documentation? No

City Manager Comments

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PUBLIC WORKS AND TRANSPORTATION



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City of South Portland
Capital Project Request Form
Fiscal Year 2023 Capital Improvement Plan

Project Title	Biodiesel Set Up for DPW		
Department	Public Works	Dept. Priority	1
Division		Div. Priority	
CIP Category	Public Works & Transportation		

Purchase/Project Description

This CIP request is for funds to purchase and install a biodiesel tank and equipment at the Municipal Services Facility. This infrastructure will give the Public Works Department the ability to fuel with biodiesel onsite and year round. When the City Council passed the One Climate future in December of 2020, the City committed to reducing community-wide greenhouse gas emissions by 80% and taking the lead as a City in combatting the climate crisis through aggressive, yet realistic action.

Where as 32% of our City's emissions come from the transportation sector, reducing our use of gasoline and diesel fuel is one of the most impactful actions we can take. While vehicle electrification remains the eventual goal for most, if not all, of our fleet we recognize the market is not yet prepared to offer us a viable electric option for our heavy duty vehicles. Of the most common alternative fuels, biodiesel remains the most viable option for providing us a bridge fuel that helps us towards our greenhouse gas reduction goals.

The benefits of biodiesel are well documented. The fuel is domestically-sourced, readily available, and reduces emissions. The fuel quiets operations and increases fuel lubricity which improves engine operation. The Argonne National Laboratory found that B100 (100% biodiesel) use reduces carbon dioxide emissions by 74% compared to petroleum diesel. The Public Works Department has used biodiesel in the past, with great success.

Financial Impact of this Purchase/Project

The cost to purchase and install the equipment is approximately \$70,000. Annual maintenance and permitting costs would be approximately \$1,000.

Environmental Considerations

The purchase and installation of this equipement would aid in the City's goal of reducing greenhouse gases and is in line with "One Climate Future"

Funding Source(s)	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.
Borrow/Lease Purchase							\$ -	\$ -
Fund Balance (General Fund)	\$ 90,000	\$ 90,000					\$ 90,000	\$ 90,000
General Fund (GF) Reserves							\$ -	\$ -
General Obligation Bonds							\$ -	\$ -
Grants							\$ -	\$ -
Non-GF Reserves/Surplus							\$ -	\$ -
Prior Year CIP Balances							\$ -	\$ -
TIF							\$ -	\$ -
Trade-In							\$ -	\$ -
Other (explain above)							\$ -	\$ -
TOTALS	\$ 90,000	\$ 90,000	\$ -	\$ -	\$ -	\$ -	\$ 90,000	\$ 90,000
Source of Cost Estimate	Portland Pump							
Est. Annual Operating Costs	\$ 1,000.00		Projected Useful Life	20	Additional Documentation?	No		
City Manager Comments								

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City of South Portland
Capital Project Request Form
Fiscal Year 2023 Capital Improvement Plan

Project Title	Two 3/4 Ton Pick Up Trucks		
Department	Public Works	Dept. Priority	2
Division		Div. Priority	
CIP Category	Public Works & Transportation		

Purchase/Project Description

This Request is for two (2) 3/4 ton pick up trucks. These trucks will be used to transport personnel and equipment to job sites. These 2022 model year vehicles will be extended cab trucks. The estimated life span of these trucks would be approximately ten (10) years. The Public Works Department has to borrow pick-up trucks from the Parks Department provided they are available on many occasions during construction season. When the Parks Department does not have trucks available, our only other alternative is to use the larger diesel powered dump trucks to transport equipment and personnel to the job site.

The trucks will be equipped with a towing package to transport equipment to various job sites. The impact of not purchasing these trucks would be lack of trucks needed to haul equipment and the use of larger diesel dump trucks when a smaller vehicle would do the job better.

Financial Impact of this Purchase/Project

The purchase price of two vehicles will be approximately \$100,000 total. These trucks would require 12 services each per year at \$150 per service. Total costs of services would be \$3,600. Annual fuel costs would be approximately \$2,600

Environmental Considerations

The electric option for these vehicles is not feasible at this time due too several year wait for build time as well as the usage of the vehicle. We would be looking to get flex fuel vehicles for better gas mileage.

Funding Source(s)	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.
Borrow/Lease Purchase							\$ -	\$ -
Fund Balance (General Fund)							\$ -	\$ -
General Fund (GF) Reserves							\$ -	\$ -
General Obligation Bonds							\$ -	\$ -
Grants	\$ 100,000	\$ 50,000					\$ 100,000	\$ 50,000
Non-GF Reserves/Surplus							\$ -	\$ -
Prior Year CIP Balances							\$ -	\$ -
TIF							\$ -	\$ -
Trade-In							\$ -	\$ -
Other (explain above)							\$ -	\$ -
TOTALS	\$ 100,000	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 50,000

Source of Cost Estimate	Pape Chevrolet		
Est. Annual Operating Costs	\$ 6,200.00	10	Additional Documentation? Yes

City Manager Comments Fund one vehicle not two

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Andrew Koocher
PAPE CHEVROLET, INC.

ATTENTION ALL USERS: When using Order Workbench (OWB), please DO NOT disable pop-up windows functionality. OWB uses pop-up windows to display business critical alerts, confirmations and warning messages while in transactions. For assistance, contact the OWB Help Desk at 1-888-337-1010.

jvm012 Logout

ORDER Workbench | Main > Manage Inventory > View My Inventory: Preliminary Order > Order Detail

PLAN & FORECAST ORDER VEHICLES **MANAGE INVENTORY** LOCATE VEHICLES DELIVER VEHICLES REPORTS & TOOLS

Preliminary Order Detail - Order # BFDRBR



BAC: 115037 BFC: 1 Name: PAPE CHEVROLET, INC.

View Customer Version ▼

BAC Information

Contact Name *Gary Brodeurs* Phone # 2077756111
DAN SOPO Stock No. SPECGB UPDATE

Model/Order Information

Model Year: 2022
Distrib. Entity: RET
Allocation Group: CHDCRW

Division: CHEVROLET
Order Type: TRE - Retail Stock
Model: CK20743 - 2500HD
Silverado: 4WD
Standard Box Crew
Cab

MSRP w/DFC † : \$47,870.00

Vehicle Specifications

PEG: 1CX - Custom Preferred Equipment Group	Trim: H1T - 1WT/1CX/2CX/1FL-Cloth, Jet Black, Interior Trim
Primary Color: GAZ - Summit White	Engine: L8T - Engine: 6.6L, V-8, SIDI
Emissions:	
Transmission: MYD - 6-Speed Automatic	
Ordered Options:	
AE7: Seats: Front 40/20/40 Split-Bench, Uplevel	KNP: Transmission Cooling System
AKO: Glass, Deep Tinted	KW7: Alternator, 170 AMP
AQQ: Keyless Remote Entry	NE1: CT/MA/MD/ME/NJ/NY/OR/PA/RI/VT/WA Emissions
AU3: Power Door Locks	NQF: Transfer Case: w/ Rotary Dial Control, Electronic Shift
B30: Floor Covering: Carpet, Color Keyed	PCX: 1CX/2CX Convenience 1 Package
BTV: Remote Engine Starting Pkg	Q86: Wheels: 20" Aluminum
C49: Defogger, Rear Window, Electric	QF9: Tires: LT275/65 R20 All Terrain, Blackwall
DBG: Mirrors, O/S: Man. Ext & Folding, Heat, Turn Indicator	QK1: Standard Tailgate
E63: Durabed	QT5: Tailgate Function-EZ Lift, Power Lock & Release
G80: Auto Locking Differential, Rear	SAF: Spare Tire Lock
GT4: Rear Axle: 3.73 Ratio	UF2: Lighting, Cargo Box, LED
	UVC: Rear Vision Camera
	V76: Recovery Hooks
	VK3: Front License Plate Mounting Provisions
	Z82: Trailering Package

IOR: Chevrolet Infotainment, ZYG: Tire, Spare: LT275/70 R18 All Terrain, Blackwall
8" Color Screen
JGF: GVW Rating 10,650
Lbs
JL1: Integrated Trailer Brake
Controller
K34: Cruise Control
K47: Heavy Duty Air Filter
KC4: Cooler, Engine Oil

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City of South Portland
Capital Project Request Form
Fiscal Year 2023 Capital Improvement Plan

Project Title	Single Axle Dump Truck Equipped for Winter Operations		
Department	Public Works	Dept. Priority	5
Division		Div. Priority	
CIP Category	Public Works & Transportation		

Purchase/Project Description

This request is for a single axle dump truck equipped for winter operations. This truck would replace a 2002 Sterling dump truck with over 5000 hours on it. This truck has exceeded its useful life.

The new vehicle would become a front line plow truck for winter operations and used year round for various construction jobs. The impacts of not purchasing this vehicle would be continued and increased maintenance costs and an unreliable vehicle.

Financial Impact of this Purchase/Project

The purchase price of this vehicle will be approximately \$220,000. The annual operating costs of this vehicle would be approximately \$5,750. This cost includes 12 services and 1000 gallons of fuel.

Environmental Considerations

The electric option is not viable at this point for this vehicle based on having to be on the road for long periods of time during emergency operations. The vehicle meets the Tier 4 standards for cleaner emissions and produce less green house gas in line with "One Climate Future"

Funding Source(s)	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.
Borrow/Lease Purchase							\$ -	\$ -
Fund Balance (General Fund)	\$ 98,104	\$ 98,104					\$ 98,104	\$ 98,104
General Fund (GF) Reserves							\$ -	\$ -
General Obligation Bonds							\$ -	\$ -
Grants	\$ 121,896	\$ 121,896					\$ 121,896	\$ 121,896
Non-GF Reserves/Surplus							\$ -	\$ -
Prior Year CIP Balances							\$ -	\$ -
TIF							\$ -	\$ -
Trade-In							\$ -	\$ -
Other (explain above)							\$ -	\$ -
TOTALS	\$ 220,000	\$ 220,000	\$ -	\$ -	\$ -	\$ -	\$ 220,000	\$ 220,000

Daigle and Houghton International

Est. Annual Operating Costs	\$ 5,750.00	Projected Useful Life	12	Additional Documentation?	Yes
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City Manager Comments

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Prepared For:
CITY OF SOUTH PORTLAND
Melissa Hutchins
P.O. BOX 9422
SOUTH PORTLAND, ME 04116-
(207)767 - 3201
Reference ID: Single

Presented By:
DAIGLE & HOUGHTON INC
Jason Lamprecht
571 COLDBROOK RD.
HERMON ME 044011305
207-941-9600

Thank you for the opportunity to provide you with the following quotation on a new International truck. I am sure the following detailed specification will meet your operational requirements, and I look forward to serving your business needs.

Model Profile
2023 HV507 SFA (HV507)

AXLE CONFIG:	4X2
APPLICATION:	Front Plow and Wing with Spreader
MISSION:	Requested GVWR: 43000. Calc. GVWR: 38800. Calc. GCWR: 80000 Calc. Start / Grade Ability: 39.98% / 3.06% @ 55 MPH Calc. Geared Speed: 67.4 MPH
DIMENSION:	Wheelbase: 181.00, CA: 106.00, Axle to Frame: 63.00
ENGINE, DIESEL:	{Cummins L9 330} EPA 2021, 330HP @ 2200 RPM, 1000 lb-ft Torque @ 1200 RPM, 2200 RPM Governed Speed, 330 Peak HP (Max)
TRANSMISSION, AUTOMATIC:	{Allison 3500 RDS} 5th Generation Controls, Wide Ratio, 6-Speed with Double Overdrive, with PTO Provision, Less Retarder, Includes Oil Level Sensor, with 80,000-lb GVW and GCW Max, On/Off Highway
CLUTCH:	Omit Item (Clutch & Control)
AXLE, FRONT NON-DRIVING:	{Meritor MFS-18-133A} Wide Track, I-Beam Type, 18,000-lb Capacity
AXLE, REAR, SINGLE:	{Meritor RS-26-185} Single Reduction, 26,000-lb Capacity, Driver Controlled Locking Differential, R Wheel Ends Gear Ratio: 6.14
CAB:	Conventional, Day Cab
TIRE, FRONT:	(3) 12R22.5 Load Range H HSR2 (CONTINENTAL), 483 rev/mile, 75 MPH, All-Position
TIRE, REAR:	(4) 11R22.5 Load Range H HDR2+ (CONTINENTAL), 491 rev/mile, 75 MPH, Drive
SUSPENSION, REAR, SINGLE:	31,000-lb Capacity, Vari-Rate Springs, with 4500-lb Capacity Auxiliary Multileaf Springs
PAINT:	Cab schematic 100WK Location 1: 9219, Winter White (Std) Chassis schematic N/A

Description

Base Chassis, Model HV507 SFA with 181.00 Wheelbase, 106.00 CA, and 63.00 Axle to Frame.

AXLE CONFIGURATION {Navistar} 4x2

Notes

: Pricing may change if axle configuration is changed.

FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.866" x 3.622" x 0.437" (276.0mm x 92.0mm x 11.1mm); 456.0" (11582mm) Maximum OAL

BUMPER, FRONT Swept Back, Steel, Heavy Duty

FRAME EXTENSION, FRONT Integral; 20" In Front of Grille

CROSSMEMBER, FRONT for Hydraulic Pump, Mounting Flange to Accommodate Pump

WHEELBASE RANGE 146" (370cm) Through and Including 195" (495cm)

AXLE, FRONT NON-DRIVING {Meritor MFS-18-133A} Wide Track, I-Beam Type, 18,000-lb Capacity

SHOCK ABSORBERS, FRONT

SUSPENSION, FRONT, SPRING Multileaf, Shackle Type, 18,000-lb Capacity, Less Shock Absorbers

SPRINGS, FRONT AUXILIARY Air Bag, Right Side Only, Driver Control

BRAKE SYSTEM, AIR Dual System for Straight Truck Applications

Includes

: BRAKE LINES Color and Size Coded Nylon

: DRAIN VALVE Twist-Type

: GAUGE, AIR PRESSURE (2) Air 1 and Air 2 Gauges; Located in Instrument Cluster

: PARKING BRAKE CONTROL Yellow Knob, Located on Instrument Panel

: PARKING BRAKE VALVE For Truck

: QUICK RELEASE VALVE On Rear Axle for Spring Brake Release: 1 for 4x2, 2 for 6x4

: SPRING BRAKE MODULATOR VALVE R-7 for 4x2, SR-7 with relay valve for 6x4/8x6

AIR BRAKE ABS {Bendix AntiLock Brake System} 4-Channel (4 Sensor/4 Modulator) Full Vehicle Wheel Control System

AIR DRYER {Bendix AD-9} with Heater

BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 SqIn Spring Brake

BRAKE CHAMBERS, FRONT AXLE {Bendix} 24 SqIn

SLACK ADJUSTERS, FRONT {Haldex} Automatic

SLACK ADJUSTERS, REAR {Haldex} Automatic

AIR COMPRESSOR {Cummins} 18.7 CFM

AIR DRYER LOCATION Mounted Inside Left Rail, Back of Cab

AIR TANK LOCATION (2) Mounted Under Battery Box, Outside Right Rail, Back of Cab, Perpendicular to Rail

DUST SHIELDS, FRONT BRAKE for Air Cam Brakes

DUST SHIELDS, REAR BRAKE for Air Cam Brakes

DRAIN VALVE (3) with Pull Chains for Air Tanks

BRAKES, REAR {Bendix Spicer ES-165-7H} Air S-Cam Type, Heavy Duty Cast Spider, Cast Shoe, Double Anchor Pin, Size 16.5" X 7", 45,000-lb Capacity per Axle

BRAKES, FRONT {Bendix Spicer ES-165-6X} Air S-Cam Type, Heavy Duty Fabricated Spider, Fabricated Shoe, Single Anchor Pin, Size 16.5" X 6", 23,000-lb Capacity

STEERING COLUMN Tilting

Description

STEERING WHEEL 4-Spoke; 18" Dia., Black

STEERING GEAR (2) {Sheppard M100/M80} Dual Power

DRIVELINE SYSTEM {Dana Spicer} 1710, for 4x2/6x2

AFTERTREATMENT COVER Steel, Black

EXHAUST SYSTEM Horizontal Aftertreatment System, Frame Mounted Right Side Under Cab, for Single Vertical Tail Pipe, Frame Mounted Right Side Back of Cab

TAIL PIPE (1) Turnback Type

EXHAUST HEIGHT 10'

MUFFLER/TAIL PIPE GUARD (1) Aluminum

ELECTRICAL SYSTEM 12-Volt, Standard Equipment

Includes

: DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab

: HAZARD SWITCH Push On/Push Off, Located on Instrument Panel to Right of Steering Wheel

: HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever

: PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light

: STARTER SWITCH Electric, Key Operated

: STOP, TURN, TAIL & B/U LIGHTS Dual, Rear, Combination with Reflector

: TURN SIGNAL SWITCH Self-Cancelling for Trucks, Manual Cancelling for Tractors, with Lane Change Feature

: WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever

: WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted

: WIRING, CHASSIS Color Coded and Continuously Numbered

ALTERNATOR {Leece-Neville AVI160P2013} Brush Type, 12 Volt, 160 Amp Capacity, Pad Mount, with Remote Sense

BODY BUILDER WIRING Rear of Frame; Includes Sealed Connectors for Tail/Amber Turn/Marker/ Backup/Accessory Power/Ground and Sealed Connector for Stop/Turn

BATTERY SYSTEM {Fleetrite} Maintenance-Free, (3) 12-Volt 2850CCA Total, Top Threaded Stud

2-WAY RADIO Wiring Effects; Wiring with 20 Amp Fuse Protection, Includes Ignition Wire with 5 Amp Fuse, Wire Ends Heat Shrink and Routed to Center of Header Console in Cab

BATTERY DISCONNECT SWITCH {Cole-Hersee 75920-06} 300 Amp, Disconnects Charging Circuits, Locks with Padlock, Battery Box Mounted

SPEAKERS (2) 6.5" Dual Cone Mounted in Both Doors, (2) 5.25" Dual Cone Mounted in Both B-Pillars

ANTENNA Shark Fin, Roof Mounted

RADIO AM/FM/WB/Clock/Bluetooth/USB Input/Auxiliary Input

BACK-UP ALARM Electric, 102 dBA

AUXILIARY HARNESS 3.0' for Auxiliary Front Head Lights and Turn Signals for Front Plow Applications

SWITCH, AUXILIARY Accessory Control; for Wiring in Roof, with Maximum of 20 amp Load with Switches In Instrument Panel

HORN, ELECTRIC Disc Style

SWITCH, BODY CIRCUITS, MID with Remote Power Module Mounted in Cab Behind Driver Seat, Up to 6 Outputs & 6 Inputs, Max 20 amp per Channel, Max 80 amp Total, Includes 1 Switch Pack with Momentary Switches

BATTERY BOX Steel, with Fiberglass Cover, 2-4 Battery Capacity, Mounted Right Side Perpendicular to Frame Rail, 35" Back of Cab

CLEARANCE/MARKER LIGHTS (5) {Truck Lite} Amber LED Lights, Flush Mounted on Cab or Sunshade

STARTING MOTOR {Delco Remy 38MT Type 300} 12 Volt, Less Thermal Over-Crank Protection

Description

INDICATOR, LOW COOLANT LEVEL with Audible Alarm

CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III with Trip Indicators, Replaces All Fuses

TURN SIGNALS, FRONT Includes LED Side Turn Lights Mounted on Fender

HORN, AIR Single Trumpet, Black, with Lanyard Pull Cord

POWER SOURCE, ADDITIONAL Auxiliary Power Outlet (APO) with USB Port, Located in the Instrument Panel

HEADLIGHTS Halogen

LOGOS EXTERIOR Model Badges

LOGOS EXTERIOR, ENGINE Badges

HOOD, HATCH (01) for Servicing

INSULATION, UNDER HOOD for Sound Abatement

GRILLE Stationary, Chrome

INSULATION, SPLASH PANELS for Sound Abatement

BUG SCREEN Mounted Behind Grille

FRONT END Tilting, Fiberglass, with Three Piece Construction, for WorkStar/HV

PAINT SCHEMATIC, PT-1 Single Color, Design 100

Includes

: PAINT SCHEMATIC ID LETTERS "WK"

PAINT TYPE Base Coat/Clear Coat, 1-2 Tone

CUSTOMER IDENTITY for Viking-Cives

PROMOTIONAL PACKAGE Government Silver Package

SAFETY TRIANGLES

FIRE EXTINGUISHER 5 lb Class A B C

FIRE EXTINGUISHER BRACKET Mounted Left Side Driver Seat

CLUTCH Omit Item (Clutch & Control)

ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection

PTO EFFECTS, ENGINE FRONT Less PTO Unit, Includes Adapter Plate on Engine Front Mounted

ENGINE, DIESEL {Cummins L9 330} EPA 2021, 330HP @ 2200 RPM, 1000 lb-ft Torque @ 1200 RPM, 2200 RPM Governed Speed, 330 Peak HP (Max)

FAN DRIVE {Horton Drivemaster} Two-Speed Type, Direct Drive, with Residual Torque Device for Disengaged Fan Speed

Includes

: FAN Nylon

RADIATOR Aluminum, Cross Flow, Front to Back System, 1228 SqIn, with 1167 SqIn Charge Air Cooler, Includes In-Tank Oil Cooler

Includes

: DEAERATION SYSTEM with Surge Tank

: HOSE CLAMPS, RADIATOR HOSES Gates Shrink Band Type; Thermoplastic Coolant Hose Clamps

: RADIATOR HOSES Premium, Rubber

AIR CLEANER Single Element, with Integral Snow Valve and In-Cab Control

EMISSION, CALENDAR YEAR {Cummins L9} EPA, OBD and GHG Certified for Calendar Year 2022

Description

THROTTLE, HAND CONTROL Engine Speed Control; Electronic, Stationary, Variable Speed; Mounted on Steering Wheel
 ACCESSORY WIRING, SPECIAL for Road Speed Wire Coiled Under Instrument Panel for Customer Use
 ENGINE CONTROL, REMOTE MOUNTED No Provision for Remote Mounted Engine Control
 FAN OVERRIDE Manual; with Electric Switch on Instrument Panel, (Fan On with Switch On)
 BLOCK HEATER, ENGINE {Phillips} 120V/1000W, with "Y" Cord for Dealer Installed 120V/300W Oil Pan Heater

Includes

: BLOCK HEATER SOCKET Receptacle Type; Mounted below Drivers Door
 CARB IDLE COMPLIANCE Federal, Does Not Comply with California Clean Air Idle Regulations
 CARB EMISSION WARR COMPLIANCE Federal, Does Not Comply with CARB Emission Warranty
 TRANSMISSION, AUTOMATIC {Allison 3500 RDS} 5th Generation Controls, Wide Ratio, 6-Speed with Double Overdrive, with PTO Provision, Less Retarder, Includes Oil Level Sensor, with 80,000-lb GVW and GCW Max, On/Off Highway
 SHIFT CONTROL PARAMETERS {Allison} 3000 or 4000 Series Transmissions, 3 Speed S1 Secondary Shift Schedule for 5 or 6 Speed
 TRANSMISSION SHIFT CONTROL Column Mounted Stalk Shifter, Not for Use with Allison 1000 & 2000 Series Transmission
 TRANSMISSION OIL Synthetic; 29 thru 42 Pints
 ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS) and Regional Haul Series (RHS), General Purpose Trucks, Construction, Package Number 223
 NEUTRAL AT STOP Allison Transmission Shifts to Neutral When Service Brake is Depressed and Vehicle is at Stop; Remains in Neutral Until Service Brake is Released
 PTO LOCATION Customer Intends to Install PTO at Left Side of Transmission
 AXLE, REAR, SINGLE {Meritor RS-26-185} Single Reduction, 26,000-lb Capacity, Driver Controlled Locking Differential, R Wheel Ends . Gear Ratio: 6.14

Notes

: Axle Lead Time is 60 Days
 SUSPENSION, REAR, SINGLE 31,000-lb Capacity, Vari-Rate Springs, with 4500-lb Capacity Auxiliary Multileaf Springs
 AXLE, REAR, LUBE {EmGard FE-75W-90} Synthetic Oil; 40 thru 49.99 Pints
 FUEL/WATER SEPARATOR {Racor 400 Series} 12 VDC Electric Heater, Includes Pre-Heater, with Primer Pump, Includes Water-in-Fuel Sensor, Mounted on Engine
 FUEL TANK Top Draw, Non-Polished Aluminum, D-Style, 19" Tank Depth, 70 US Gal (265L), Mounted Left Side, Under Cab
 DEF TANK 7 US Gal (26L) Capacity, Frame Mounted Outside Left Rail, Under Cab
 CAB Conventional, Day Cab
 AIR CONDITIONER with Integral Heater and Defroster
 GAUGE CLUSTER Base Level; English with English Electronic Speedometer

Includes

: GAUGE CLUSTER DISPLAY: Base Level (3" Monochromatic Display), Premium Level (5" LCD Color Display); Odometer, Voltmeter, Diagnostic Messages, Gear Indicator, Trip Odometer, Total Engine Hours, Trip Hours, MPG, Distance to Empty/Refill for
 : GAUGE CLUSTER Speedometer, Tachometer, Engine Coolant Temp, Fuel Gauge, DEF Gauge, Oil Pressure Gauge, Primary and Secondary Air Pressure
 : WARNING SYSTEM Low Fuel, Low DEF, Low Oil Pressure, High Engine Coolant Temp, Low Battery Voltage (Visual and Audible), Low Air Pressure (Primary and Secondary)
 GAUGE, OIL TEMP, AUTO TRANS for Allison Transmission

Description

GAUGE, AIR CLEANER RESTRICTION {Filter-Minder} with Black Bezel, Mounted in Instrument Panel

IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster

SEAT, DRIVER {National 2000} Air Suspension, Hi Back, Cloth Facing/Vinyl Boxing, 1 Inboard Arm Rest, Isolator, Adjuster, 3 Chamber Lumbar, 6 Way Front Adj, 3 Way Rear Cushion Adj, -3 to 14 Degree Back Angle Adjustment, Adjust Side Bolster, Vinyl Suspension Cover, Heat

MIRROR, CONVEX, HOOD MOUNTED {Lang Mekra} (2) Right and Left Sides, Black, Heated, 7.5" Sq.

SEAT, PASSENGER {National} Non Suspension, High Back, Fixed Back, Integral Headrest, Cloth

MIRRORS (2) C-Loop, Heated, Black Heads and Arms, 7.5" x 14" Flat Glass, Includes 7.5" x 7" Convex Mirrors, for 102" Load Width

Notes

: Mirror Dimensions are Rounded to the Nearest 0.5"

MIRROR, CONVEX, LOOK DOWN Right Side, Black, 6" x 10.5"

CAB INTERIOR TRIM Diamond, for Day Cab

Includes

: CONSOLE, OVERHEAD Molded Plastic with Dual Storage Pockets, Retainer Nets and CB Radio Pocket; Located Above Driver and Passenger

: DOME LIGHT, CAB Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Reading Lights; Integral to Overhead Console, Center Mounted

: SUN VISOR (3) Padded Vinyl; 2 Moveable (Front-to-Side) Primary Visors, Driver Side with Vanity Mirror and Toll Ticket Strap, plus 1 Auxiliary Visor (Front Only), Driver Side

WINDSHIELD Heated, Single Piece

WINDOW, POWER (2) and Power Door Locks, Left and Right Doors, Includes Express Down Feature

CAB REAR SUSPENSION Air Bag Type

INSTRUMENT PANEL Flat Panel

SUNSHADE, EXTERIOR Aerodynamic, Painted Roof Color, with Integral Clearance/Marker Lights

ACCESS, CAB Steel, Driver & Passenger Sides, Two Steps per Door, for use with Day Cab and Extended Cab

WHEEL, SPARE, DISC {Accuride 29169} 22.5x8.25 Rims, Powder Coat Steel, 5-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, with .472" Thick Increased Capacity Disc

WHEELS, FRONT {Accuride 29169} DISC; 22.5x8.25 Rims, Powder Coat Steel, 5-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with .472" Thick Increased Capacity Disc and Steel Hubs

WHEELS, REAR {Accuride 29169} DUAL DISC; 22.5x8.25 Rims, Powder Coat Steel, 5-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with .472" Thick Increased Capacity Disc and Steel Hubs

TIRE, SPARE Equal to Model Standard

(4) TIRE, REAR 11R22.5 Load Range H HDR2+ (CONTINENTAL), 491 rev/mile, 75 MPH, Drive

(3) TIRE, FRONT 12R22.5 Load Range H HSR2 (CONTINENTAL), 483 rev/mile, 75 MPH, All-Position

Services Section:

WARRANTY Standard for HV507, HV50B, HV607 Models, Effective with Vehicles Built July 1, 2017 or Later, CTS-2025A

Body/Allied Equipment**Description****Goods Purchased****Description**

CY2023

<u>Description</u>	(US DOLLAR)	<u>Price</u>
Net Sales Price:		\$95,000.00

Please feel free to contact me regarding these specifications should your interests or needs change. I am confident you will be pleased with the quality and service of an International vehicle.

Approved by Seller:

Accepted by Purchaser:

Official Title and Date

Firm or Business Name

Authorized Signature

Authorized Signature and Date

This proposal is not binding upon the seller without Seller's Authorized Signature

Official Title and Date

The TOPS FET calculation is an estimate for reference purposes only. The seller or retailer is responsible for calculating and reporting/paying appropriate FET to the IRS.

The limited warranties applicable to the vehicles described herein are Navistar, Inc.'s standard printed warranties which are incorporated herein by reference and to which you have been provided a copy and hereby agree to their terms and conditions.



SOUTH PORTLAND PUBLIC WORKS VEHICLES AND EQUIPMENT

VEHICLE REPAIR HISTORY REPORT

1-32/RRV PAGE: 1
 DATE: 01/27/2022 01:00 p.m.

STARTING VMRS CODE: 000-000-000
 ENDING VMRS CODE: 999-999-999

DATE: FIRST
 DATE: LAST

VEHICLE: 008
 VEHICLE: 008

FACILITY: 00004

UNIT: 008	LF MTR: 5343.0	CUR MTR: 5343.0	LF UNITS	ODOM	YR: 02	MAKE: STERLING	OUT	PARTS	DEPT: DPW	LABOR	TOTAL	SIZE: H	CLASS: SANDER	HOURS MECHANIC	FUEL: D	
VMRS Code	DATE	WO NUM	LF UNITS	ODOM	WORK DESCRIPTION	OUT	PARTS	LABOR	TOTAL	SIZE: H	CLASS: SANDER	HOURS MECHANIC	FUEL: D	CC	RC	WA
001		TITLE >														
001-020-000	12052016	0003257	4520	4520	DEFROSTER FAN, HTR		129.31	25.59	154.90	1.00	STEVE	01 1	31			
001-045-000	12292016	0003312	4580	4575	CLIMATE CONTROL PA		546.94	21.87	568.81	1.00	9590	11 1	31			
001		TOTAL >					676.25	47.46	723.71							
002		TITLE >														
002-039-000	02122021	0006659	5250	5250	SEAT ASSEMBLY		101.07	22.76	123.83	1.00	AARON	XX 1	31			
002-054-000	03122013	0000182	4220	4221	MIRROR		0.00	20.50	20.50	1.00	OLLIE	01 4	XX			
002-054-002	12292014	0001733	4090	4094	SPOT MIRROR		11.24	4.98	16.22	0.25	SGOBEIL	01 1	XX			
002-056-000	03122013	0000182	4220	4221	MIRROR ARM OR BRAC		112.53	20.50	133.03	1.00	OLLIE	01 4	XX			
002-100-000	04272016	0002732	4510	4513	DASH ASSY.		3021.05	328.00	3349.05	16.00	OLLIE	01 1	XX			
002		TOTAL >					3245.89	396.74	3642.63							
003		TITLE >														
003-013-000	02182014	0000964	3890	3893	TACHOMETER		0.00	10.25	10.25	0.50	OLLIE	01 1	XX			
003		TOTAL >					0.00	10.25	10.25							
012		TITLE >														
012-004-000	03132018	0004234	5040	5035	AXLE TO AXLE ALIGN		324.68	262.44	587.12	12.00	AARON	11 1	1			
012-013-000	11202013	0000729	4220	4221	PINION SEAL		320.12	82.00	402.12	4.00	OLLIE	01 1	XX			
012		TOTAL >					644.80	344.44	989.24							
013		TITLE >														
013-001-010	02222019	0004842	5110	5112	FRONT BRAKES: LEFT		1128.08	204.84	1332.92	9.00	AARON	11 8	31			
013-002-004	04272016	0002732	4510	4513	RIGHT SIDE - PAD'S		55.90	82.00	137.90	4.00	OLLIE	01 1	XX			
013-002-008	10092020	0006255	5250	5250	REAR BRAKES LEFT/R		999.40	142.08	1141.48	6.00	9644	11 6	31			
013-002-008	02222019	0004842	5110	5112	REAR BRAKES LEFT/R		134.75	68.28	203.03	3.00	AARON	11 8	31			
013-005-000	01162014	0000900	4220	4221	CK/ADJUST BRAKES		174.98	41.00	215.98	2.00	BILL	01 1	XX			
013-005-000	03212013	0000253	4220	4221	CK/ADJUST BRAKES		886.36	656.00	1542.36	32.00	BILL	01 1	XX			
013-005-000	01232013	0000250	0	0	CK/ADJUST BRAKES		0.00	2.23	2.23	0.10	STEVE	01 1	XX			
013-007-000	01022018	0003401	4890	4889	AIR TANK(S)		716.29	174.96	891.25	8.00	AARON	11 1	31			
013-009-000	01272022	0006586	5340	5343	AIR DRYER		350.34	47.36	397.70	2.00	9644	XX 10	31			
013-009-000	09182019	0005473	5160	5164	AIR DRYER		90.20	38.82	129.02	2.00	9644	XX 8	31			
013-009-000	02062018	0004165	4990	4987	AIR DRYER		89.48	89.24	178.72	4.00	10375	11 1	31			
013-009-000	09062016	0002821	4520	4518	AIR DRYER		87.20	21.87	109.07	1.00	9590	01 1	XX			
013-009-000	07242015	0002161	4370	4367	AIR DRYER		239.10	50.53	289.63	2.50	9590	01 1	XX			
013-035-000	01022018	0003401	4890	4889	CHAMBER REAR		51.06	65.61	116.67	3.00	AARON	11 1	31			



SOUTH PORTLAND PUBLIC WORKS VEHICLES AND EQUIPMENT

VEHICLE REPAIR HISTORY REPORT

FACILITY: 00004

STARTING VMRS CODE: 000-000-000
 ENDING VMRS CODE: 999-999-999

DATE: FIRST
 DATE: LAST

VEHICLE: 008
 VEHICLE: 008

UNIT: 008	LF MTR: 5343.0	CUR MTR: 5343.0	YR: 02	MAKE: STERLING	DEPT: DPW	SIZE: H	CLASS: SANDER	FUEL: D			
VMRS Code	DATE	LF UNITS	WO NUM	ODOM	WORK DESCRIPTION	OUT	PARTS	LABOR	TOTAL	HOURS MECHANIC	CC RC WA
013-035-000	04272016	0002732	4510	4513	CHAMBER REAR		39.68	51.25	90.93	2.50 OLLIE	01 1 XX
013-081-000	02222019	0004842	5110	5112	BRAKE PEDAL		0.00	22.76	22.76	1.00 AARON	11 8 31
013-084-000	11202013	0000729	4220	4221	BRAKE QUICK RELEASE		54.53	30.75	85.28	1.50 OLLIE	01 1 XX
013-094-000	03122013	0000182	4220	4221	BRAKE RELAY VALVE		0.00	6.15	6.15	0.30 OLLIE	01 4 XX
013-118-000	11202013	0000729	4220	4221	ABS CONTROLLER		1154.79	61.50	1216.29	3.00 OLLIE	01 1 XX
013-121-000	05202021	0007059	5300	5302	AIR LEAK		346.26	125.18	471.44	5.50 MIKE W.	11 1 31
013-121-000	01232015	0001771	4220	4221	AIR LEAK		486.65	49.75	536.40	2.50 SGOBEIL	01 1 XX
013-121-000	02182014	0001005	3940	3935	AIR LEAK		0.00	29.85	29.85	1.50 SGOBEIL	01 1 XX
013-121-000	02182014	0000958	3890	3893	AIR LEAK		375.00	164.00	539.00	8.00 OLLIE	01 1 XX
013		TOTAL >	BRAKES				7460.05	2226.01	9686.06		
014		TITLE >	FRAME								
014-000-000	09152014	0001259	4220	4221	FRAME		0.00	246.00	246.00	12.00 BILL	01 1 XX
014-025-000	06232014	0001354	4220	4221	SAND BLAST/ PAINT	OUT	0.00	3154.20	3154.20	0.00	01 1 XX
014		TOTAL >	FRAME								
015		TITLE >	STEERING								
015-012-000	09182019	0005473	5160	5164	DRAG LINK		401.66	58.23	459.89	3.00 9644	11 8 31
015-038-000	11202013	0000729	4220	4221	REVERSE VOIR		223.65	20.50	244.15	1.00 OLLIE	01 1 XX
015		TOTAL >	STEERING				625.31	78.73	704.04		
016		TITLE >	SUSPENSION								
016-002-000	02222019	0004842	5110	5112	SHOCK ABSORBER		113.74	22.76	136.50	1.00 AARON	11 8 31
016-004-001	02062018	0004165	4990	4987	FRONT LEAF SPRING		838.14	133.86	972.00	6.00 10375	11 1 31
016-004-002	02062018	0004165	4990	4987	REAR LEAF SPRING		566.19	178.48	744.67	8.00 10375	11 1 31
016-085-000	01022018	0003401	4890	4889	SUSPENSION		541.75	87.48	629.23	4.00 AARON	11 1 31
016		TOTAL >	SUSPENSION				2059.82	422.58	2482.40		
017		TITLE >	TIRES,TUBES,LINERS								
017-014-000	10092020	0006255	5250	5250	TIRE REPLACEMENT		1000.00	23.68	1023.68	1.00 9644	11 6 31
017-014-000	02222019	0004842	5110	5112	TIRE REPLACEMENT		0.00	22.76	22.76	1.00 AARON	11 8 31
017-014-000	04272016	0002732	4510	4513	TIRE REPLACEMENT		0.00	41.00	41.00	2.00 OLLIE	01 1 XX
017-014-000	11202013	0000729	4220	4221	TIRE REPLACEMENT		0.00	20.50	20.50	1.00 OLLIE	01 1 XX
017-014-000	01242013	0000298	0	0	TIRE REPLACEMENT		0.00	82.00	82.00	4.00 BILL	01 1 XX
017		TOTAL >	TIRES,TUBES,LINERS				1000.00	189.94	1189.94		
024		TITLE >	DRIVE SHAFT(S)								
024-008-000	11202013	0000729	4220	4221	U-JOINT DRIVESHAFT		174.92	41.00	215.92	2.00 OLLIE	01 1 XX



SOUTH PORTLAND PUBLIC WORKS VEHICLES AND EQUIPMENT

VEHICLE REPAIR HISTORY REPORT

FACILITY: 00004

STARTING VMRS CODE: 000-000-000
ENDING VMRS CODE: 999-999-999

DATE: FIRST
DATE: LAST

VEHICLE: 008
VEHICLE: 008

UNIT: 008	LF MTR: 5343.0	CUR MTR: 5343.0	YR: 02	MAKE: STERLING	DEPT: DPW	SIZE: H	CLASS: SANDER	FUEL: D			
VMRS Code	WO NUM	LF UNTS	ODOM	WORK DESCRIPTION	PARTS	LABOR	HOURS	MECHANIC	CC	RC	WA
024	TOTAL >				174.92	41.00			215.92		
027	TITLE >										
027-000-000	0000462	4220	4221	TRANSMISSION AUTOMAT	78.00	61.50	3.00	BILL	01	1	XX
027-097-000	0000729	4220	4221	DIPSTICK TUBE/ FIL	247.61	61.50	3.00	OLLIE	01	1	XX
027-099-000	0006586	5300	5299	TRANS. COOLER LINE	167.82	142.08	6.00	9644	11	10	31
027-100-000	0000729	4220	4221	COVER PLATES	15.08	41.00	2.00	OLLIE	01	1	XX
027	TOTAL >			TRANSMISSION AUTOMAT	508.51	306.08			814.59		
032	TITLE >										
032-002-000	0001693	4220	4221	CRANKING SYSTEM	238.50	10.25	0.50	BILL	01	1	XX
032-002-001	0003223	4520	4520	BATTERY	102.31	54.68	2.50	AARON	01	1	31
032-005-000	0004842	5110	5112	BATTERY DISCONNECT	0.00	11.38	0.50	AARON	11	8	31
032-005-000	0004143	4980	4981	BATTERY BOX / HOLD	0.00	33.47	1.50	10375	11	1	31
032	TOTAL >			CRANKING SYSTEM	340.81	109.78			450.59		
034	TITLE >										
034-018-000	0000729	4220	4221	LIGHTING & ELECTRICA	7.49	6.15	0.30	OLLIE	01	1	XX
034-023-000	0002732	4510	4513	LICENSE PLATE LIGH	31.88	8.20	0.40	OLLIE	01	1	XX
034-023-000	0001717	4220	4221	LICENSE PLATE LIGH	2.08	20.50	1.00	BILL	01	1	XX
034-023-000	0000253	4220	4221	LICENSE PLATE LIGH	0.00	2.05	0.10	BILL	01	1	XX
034-025-000	0002732	4510	4513	MARKER LIGHT(S)	0.00	10.25	0.50	OLLIE	01	1	XX
034-025-000	0002732	4510	4513	MARKER LIGHT(S)	9.73	10.25	0.50	OLLIE	01	1	XX
034-031-000	0001259	4220	4221	TAIL LIGHT ASSEMBL	114.63	61.50	3.00	BILL	01	1	XX
034-051-000	0003223	4520	4520	SPOTLIGHT/SPINNER	17.26	21.87	1.00	AARON	01	1	31
034-400-000	0001717	4220	4221	LIGHTING & ELECTRI	8.99	20.50	1.00	BILL	01	1	XX
034-402-000	0006255	5250	5250	STROBE LIGHT(S)	0.00	23.68	1.00	9644	11	6	31
034-407-000	0004842	5110	5112	MULTIPLE LIGHT REP	0.00	56.90	2.50	AARON	11	8	31
034-407-000	0003401	4890	4889	MULTIPLE LIGHT REP	8.81	32.81	1.50	AARON	11	1	1
034	TOTAL >			LIGHTING & ELECTRICA	200.87	274.66			475.53		
036	TITLE >										
036-006-000	0002732	4510	4513	INFORMATION DEVICES	131.99	82.00	4.00	OLLIE	01	1	XX
036	TOTAL >			INFORMATION DEVICES	131.99	82.00			213.99		
041	TITLE >										
041-002-000	0005044	5110	5112	AIR INTAKE SYSTEM	15.15	11.38	0.50	AARON	11	8	31
041	TOTAL >			AIR INTAKE SYSTEM	15.15	11.38			26.53		
042	TITLE >										
042-013-000	0000729	4220	4221	COOLING SYSTEM	0.00	61.50	3.00	OLLIE	01	1	XX
042	TOTAL >			HEATER CORE/HOSES	0.00	61.50			61.50		



SOUTH PORTLAND PUBLIC WORKS VEHICLES AND EQUIPMENT

VEHICLE REPAIR HISTORY REPORT

1-32/RRV PAGE: 4
 DATE: 01/27/2022 01:00 p.m.

STARTING VMRS CODE: 000-000-000
 ENDING VMRS CODE: 999-999-999

DATE: FIRST
 DATE: LAST

VEHICLE: 008
 VEHICLE: 008

FACILITY: 00004

UNIT: 008	LF MTR: 5343.0	CUR MTR: 5343.0	YR: 02	MAKE: STERLING	DEPT: DPW	SIZE: H	CLASS: SANDER	FUEL: D						
VMRS Code	DATE	WO NUM	LF-JUNTS	ODOM	WORK DESCRIPTION	OUT	PARTS	LABOR	TOTAL	HOURS	MECHANIC	CC	RC	WA
042-047-000	02222019	0004842	5110	5112	COOLANT LEAK		0.00	22.76	22.76	1.00	AARON	11	8	31
042-047-000	12012016	0003207	4520	4520	COOLANT LEAK		0.00	21.87	21.87	1.00	AARON	01	1	31
042	TOTAL >	COOLING SYSTEM					0.00	106.13	106.13					
043	TITLE >	EXHAUST SYSTEM												
043-006-000	04272016	0002732	4510	4513	EXHAUST HANGER MAN		362.83	82.00	444.83	4.00	OLLIE	01	1	XX
043-009-000	09182019	0005473	5164	5164	EXHAUST PIPE OR FL		590.31	116.46	706.77	6.00	9644	11	8	31
043-009-000	11202013	0000729	4220	4221	EXHAUST PIPE OR FL		382.88	61.50	444.38	3.00	OLLIE	01	1	XX
043-009-000	05302013	0000331	3650	3652	EXHAUST PIPE OR FL		36.68	0.00	36.68	4.00	RICH	01	1	XX
043-125-000	12032019	0005648	5180	5177	EXHAUST LEAK		302.51	77.64	380.15	4.00	9644	11	4	31
043	TOTAL >	EXHAUST SYSTEM					1675.21	337.60	2012.81					
044	TITLE >	FUEL SYSTEM												
044-043-000	12172014	0001717	4220	4221	FUEL SOLENOID		188.80	41.00	229.80	2.00	BILL	01	1	XX
044-044-000	12262017	0003401	4890	4889	FUEL TANK		1220.34	65.61	1285.95	3.00	AARON	11	1	31
044-044-000	02182014	0000958	3890	3893	FUEL TANK		0.00	0.00	0.00	0.00		01	1	XX
044	TOTAL >	FUEL SYSTEM					1409.14	106.61	1515.75					
045	TITLE >	POWER PLANT/ENGINE												
045-013-000	11202013	0000729	4220	4221	DIPSTICK TUBE, ENG		258.33	20.50	278.83	1.00	OLLIE	01	1	XX
045-041-000	04292013	0000331	4220	4221	OIL PAN, ENG		649.97	0.00	649.97	8.00	RICH	01	1	XX
045-081-010	12032019	0005648	5180	5177	ENGINE OIL LEAK		937.06	182.08	1119.14	8.00	AARON	11	4	31
045-082-000	02182014	0000958	3890	3893	POWER PLANT/ENGINE		145.74	164.00	309.74	8.00	OLLIE	01	1	XX
045-082-000	05302013	0000331	3650	3652	POWER PLANT/ENGINE		332.20	0.00	332.20	8.00	RICH	01	1	XX
045-082-001	02222019	0005044	5110	5112	MAIN ENGINE		161.66	204.84	366.50	9.00	AARON	01	8	31
045-082-001	01022018	0004071	4890	4889	MAIN ENGINE		90.67	44.62	135.29	2.00	10375	11	1	31
045-082-001	03232016	0002731	4500	4500	MAIN ENGINE		87.31	164.00	251.31	8.00	OLLIE	01	1	XX
045-082-001	09152014	0001259	4220	4221	MAIN ENGINE		147.60	123.00	270.60	6.00	BILL	01	1	XX
045-087-000	01022018	0004071	4890	4889	LACK OF POWER		0.00	11.16	11.16	0.50	10375	11	1	
045	TOTAL >	POWER PLANT/ENGINE					2810.54	914.20	3724.74					
051	TITLE >	GENERAL ACCESSORIES												
051-000-000	09182019	0005473	5160	5164	GENERAL ACCESSORIE		6.84	9.71	16.55	0.50	9644	11	8	31
051-038-000	02222019	0005044	5110	5112	WIPER BLADE		43.98	11.38	55.36	0.50	AARON	11	8	31
051-044-000	11202013	0000729	4220	4221	WIPER LINKAGE		191.49	41.00	232.49	2.00	OLLIE	01	1	XX
051	TOTAL >	GENERAL ACCESSORIES					242.31	62.09	304.40					
053	TITLE >	EXPENDABLE ITEMS												
053-001-000	03292018	0004308	5040	5035	TIRE CHAINS		163.39	18.00	181.39	1.00	HELPER	11	1	31



SOUTH PORTLAND PUBLIC WORKS VEHICLES AND EQUIPMENT

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DATE: LAST

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VEHICLE: 008

UNIT: 008	LF MTR: 5343.0	CUR MTR: 5343.0	YR: 02	MAKE: STERLING	DEPT: DPW	SIZE: H	CLASS: SANDER	FUEL: D						
VMRS Code	DATE	WO NUM	LF UNITS	ODOM	WORK DESCRIPTION	OUT	PARTS	LABOR	TOTAL	HOURS	MECHANIC	CC	RC	WA
053-001-000	01242018	0004156	4890	4889	TIRE CHAINS		163.39	18.00	181.39	1.00	HELPER	11	1	31
053-001-000	03212017	0003506	4660	4661	TIRE CHAINS		273.00	0.00	273.00	0.00		11	1	31
053-001-000	03022017	0003466	4660	4661	TIRE CHAINS		225.17	18.00	243.17	1.00	HELPER	11	1	31
053-001-000	01032017	0003327	4580	4575	TIRE CHAINS		231.67	0.00	231.67	0.00	STEVE	11	1	31
053-001-000	12022014	0001693	4220	4221	TIRE CHAINS		249.00	2.05	251.05	0.10	BILL	01	1	XX
053		TOTAL >			EXPENDABLE ITEMS		1305.62	56.05	1361.67					
065		TITLE >			HYDRAULIC SYSTEMS									
065-004-000	01282020	0005935	5220	5223	HYDRAULIC CYLINDER		851.58	56.90	908.48	2.50	MIKE W.	11	1	31
065-004-000	01292014	0000935	4220	4221	HYDRAULIC CYLINDER		1036.64	41.00	1077.64	2.00	OLLIE	01	1	XX
065-004-000	03222013	0000404	4220	4221	HYDRAULIC CYLINDER	OUT	0.00	189.88	189.88	0.00		01	1	XX
065-005-000	01242018	0004143	4980	4981	HYDRAULIC OIL		17.17	5.58	22.75	0.25	10375	11	1	31
065-006-000	06242021	0007147	5300	5303	HYD HOSE/FITTINGS		102.24	94.72	196.96	4.00	9644	11	1	31
065-006-000	02222019	0004842	5110	5112	HYD HOSE/FITTINGS		920.85	182.08	1102.93	8.00	AARON	11	8	31
065-006-000	01022018	0004071	4890	4889	HYD HOSE/FITTINGS		140.89	66.93	207.82	3.00	10375	11	1	31
065-030-000	04072020	0006062	5230	5234	BLOWN LINE		296.72	91.04	387.76	4.00	MIKE W.	11	1	31
065-035-000	12292014	0001733	4090	4094	HYDRAULIC LEAK		0.00	14.93	14.93	0.75	SGOBEIL	01	1	XX
065		TOTAL >			HYDRAULIC SYSTEMS		3366.09	743.06	4109.15					
066		TITLE >			PREVENTIVE MAINTENAN									
066-001-001	01272022	0007683	5340	5343	FULL SERVICE / MAI		164.51	47.36	211.87	2.00	9644	11	10	31
066-001-003	01272022	0007683	5340	5343	OIL SAMPLE		29.28	11.84	41.12	0.50	9644	XX	10	31
066-003-001	01272022	0006586	5340	5343	AIR DRYER		0.00	0.00	0.00	0.00		XX	10	31
066-004-001	06242021	0007126	5300	5303	COMMERCIAL VEHICLE		2.50	47.36	49.86	2.00	9644	11	6	31
066		TOTAL >			PREVENTIVE MAINTENAN		196.29	106.56	302.85					
071		TITLE >			BODY									
071-019-000	11202013	0000729	4220	4221	CROSSMEMBERS BOLTE		374.36	123.00	497.36	6.00	OLLIE	01	1	XX
071-031-000	12262017	0003401	4890	4889	PANEL SIDE, BODY		179.28	874.80	1054.08	40.00	AARON	11	1	31
071-050-000	12262017	0003401	4890	4889	FENDER, MUD FLAP		281.07	87.48	368.55	4.00	AARON	11	1	31
071-050-000	12092013	0000805	4220	4221	FENDER, MUD FLAP		0.00	20.50	20.50	1.00	OLLIE	01	1	XX
071-050-000	11202013	0000729	4220	4221	FENDER, MUD FLAP		181.13	41.00	222.13	2.00	OLLIE	01	1	XX
071		TOTAL >			BODY		1015.84	1146.78	2162.62					
400		TITLE >			ATTACHMENTS, EQUIPME									
400-001-001	05282013	0000452	3650	3654	SALT HOPPER: CHEMI		0.00	164.00	164.00	8.00	BILL	01	1	XX
400-001-002	04222020	0006100	5230	5234	SALT HOPPER: ELECT		0.00	6.83	6.83	0.30	AARON	XX	1	31
400-001-002	01282020	0005881	5220	5223	SALT HOPPER: ELECT		526.10	91.04	617.14	4.00	MIKE W.	11	1	31



SOUTH PORTLAND PUBLIC WORKS VEHICLES AND EQUIPMENT

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FACILITY: 00004

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DATE: FIRST
DATE: LAST

VEHICLE: 008
VEHICLE: 008

UNIT: 008	LF MTR: 5343.0	WO NUM	LF-JUNTS	CUR MTR: 5343.0	ODOM	YR: 02	MAKE: STERLING	WORK DESCRIPTION	OUT	PARTS	DEPT: DPW	LABOR	TOTAL	SIZE: H	CLASS: SANDER	HOURS MECHANIC	FUEL: D
VMRS Code	DATE																CC RC WA
400-001-002	01162014	0000887	4220	4221				SALT HOPPER: ELECT		264.03	41.00	305.03		2.00	BILL		01 1 XX
400-001-002	03222013	0000404	4220	4221				SALT HOPPER: ELECT		235.51	44.58	280.09		2.00	STEVE		01 1 XX
400-001-002	03112013	0000380	3500	3500				SALT HOPPER: ELECT		235.51	44.58	280.09		2.00	STEVE		01 1 XX
400-001-003	03072014	0001020	4220	4221				SALT HOPPER: MECHA		0.00	41.00	41.00		2.00	BILL		01 1 XX
400-001-004	08272018	0004285	5070	5069				SALT HOPPER: HYDRA		0.00	45.52	45.52		2.00	AARON		11 1 31
400-001-006	01202022	0007343	5300	5303				SALT HOPPER: PRE-W		0.00	72.72	72.72		3.00	MIKE W.		11 10 31
400-001-006	02222021	0006586	5300	5299				SALT HOPPER: PRE-W		0.00	23.68	23.68		1.00	9644		11 10 31
400-001-006	12122019	0005590	5180	5177				SALT HOPPER: PRE-W		186.86	155.28	342.14		8.00	9644		XX 7 31
400-001-006	02222019	0004813	5110	5112				SALT HOPPER: PRE-W		0.00	34.14	34.14		1.50	AARON		XX 8 31
400-001-006	10222018	0004031	4890	4889				SALT HOPPER: PRE-W		21.16	76.55	97.71		3.50	AARON		XX 1 31
400-001-006	12012016	0003157	4520	4520				SALT HOPPER: PRE-W		0.00	32.81	32.81		1.50	AARON		XX 1 31
400-001-007	05202021	0006997	5300	5302				SALT HOPPER: POST-		0.00	68.28	68.28		3.00	MIKE W.		11 10 31
400-001-007	08272018	0004285	5070	5069				SALT HOPPER: POST-		0.00	91.04	91.04		4.00	AARON		11 1 31
400-001-007	07212016	0002836	4510	4513				SALT HOPPER: POST-		0.00	121.26	121.26		6.00	9590		01 1 XX
400-001-008	01262016	0001259	4220	4420				SALT HOPPER: POST-		12.96	123.00	135.96		6.00	BILL		01 1 XX
400-001-009	11202013	0000729	4220	4221				SALT HOPPER: BED C		260.69	121.26	381.95		6.00	9590		01 1 XX
400-002-001	01242018	0004143	4980	4981				PLOW: MECHANICAL		274.88	20.50	295.38		1.00	OLLIE		01 1 XX
400-002-001	12172015	0002485	4370	4367				PLOW: MECHANICAL		0.00	43.74	43.74		2.00	AARON		11 1 31
400-002-001	12172015	0002485	4370	4367				PLOW: MECHANICAL		0.00	40.42	40.42		2.00	9590		01 1 XX
400-002-001	12172015	0002485	4370	4367				PLOW: MECHANICAL		672.60	121.26	793.86		6.00	9590		01 1 XX
400-002-001	12112014	0001687	4220	4221				PLOW: MECHANICAL		0.00	41.00	41.00		2.00	BILL		01 1 XX
400-002-002	03252014	0001060	4220	4221				PLOW: HYDRAULIC		22.29	29.85	52.14		1.50	SGOBEIL		01 1 XX
400-002-003	01282020	0005881	5220	5223				PLOW: CUTTING EDGE		308.06	22.76	330.82		1.00	MIKE W.		XX 1 31
400-002-003	01022018	0004070	4890	4889				PLOW: CUTTING EDGE		270.25	21.87	292.12		1.00	AARON		11 1 31
400-002-003	12172015	0002485	4370	4367				PLOW: CUTTING EDGE		304.74	20.21	324.95		1.00	9590		01 1 XX
400-002-003	02282014	0001079	4220	4221				PLOW: CUTTING EDGE		372.90	22.29	395.19		1.00	STEVE		01 1 XX
400-002-003	03062013	0000349	3500	3500				PLOW: CUTTING EDGE		333.33	42.79	376.12		2.00	STEVE		01 1 XX
400-002-004	12012016	0003157	4520	4520				PLOW: INSTALL PLOW		0.00	21.87	21.87		1.00	AARON		XX 1 31
400-002-010	02102020	0005973	5230	5234				PLOW: CENTER PIN		227.33	168.68	396.01		8.00	9644		11 1 31
400-003-001	09062016	0002821	4520	4518				WING: MECHANICAL		1013.70	765.45	1779.15		35.00	9590		01 1 XX
400-003-001	03222013	0000404	4220	4221				WING: MECHANICAL		0.00	267.48	267.48		12.00	STEVE		01 1 XX
400-003-002	02222021	0006770	5250	5250				WING: CUTTING EDGE		289.00	23.68	292.68		1.00	9644		11 1 31
400-003-002	02182014	0001005	3940	3935				WING: CUTTING EDGE		303.33	24.88	328.21		1.25	SGOBEIL		01 1 XX
400-003-004	01232014	0001771	4220	4221				WING: HYDRAULICS		0.00	19.90	19.90		1.00	SGOBEIL		01 1 XX
400-003-007	02222019	0004813	5110	5112				WING: INSTALL WING		0.00	22.76	22.76		1.00	AARON		XX 8 31
400-003-007	12012016	0003157	4520	4520				WING: INSTALL WING		0.00	21.87	21.87		1.00	AARON		XX 1 31
400-009-000	10312019	0005103	5160	5164				CONTROL BOX, JOYST		308.76	155.28	464.04		8.00	9644		11 4 31
400-009-000	01032019	0004990	5070	5069				CONTROL BOX, JOYST		192.52	68.28	260.80		3.00	AARON		11 1 31
400-009-000	03302018	0004271	5070	5069				CONTROL BOX, JOYST		255.60	33.47	289.07		1.50	10375		11 1 31
400		TOTAL >						ATTACHMENTS, EQUIPME		6872.11	3418.86	10290.97					
404		TITLE >						DUMP BODY REPAIR									
404-003-000	09232019	0005558	5160	5164				DUMP BODY: WELDING		0.00	75.42	75.42		2.00	DALE		11 1 31
404		TOTAL >						DUMP BODY REPAIR		0.00	75.42	75.42					



SOUTH PORTLAND PUBLIC WORKS VEHICLES AND EQUIPMENT

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VEHICLE: 008
VEHICLE: 008

UNIT: 008	LF MTR: 5343.0	CUR MTR: 5343.0	YR: 02	MAKE: STERLING	DEPT: DPW	SIZE: H	CLASS: SANDER	FUEL: D						
VMRS Code	DATE	WO NUM	LF-JUNTS	ODOM	WORK DESCRIPTION	OUT	PARTS	LABOR	TOTAL	HOURS	MECHANIC	CC	RC	WA
407-000-000	12172014	0001717	4220	4221	*****		2.50	41.00	43.50	2.00	BILL	01	1	XX
407-000-000	11202013	0000729	4220	4221	*****		0.00	41.00	41.00	2.00	OLLIE	01	1	XX
407-001-000	09302020	0006255	5250	5250	(MSI) COMMERCIAL T		2.50	23.68	26.18	1.00	9644	11	6	31
407-001-000	09182019	0005473	5160	5164	(MSI) COMMERCIAL T		2.50	22.76	25.26	1.00	MIKE W.	11	8	31
407-001-000	02222019	0004836	5110	5112	(MSI) COMMERCIAL T		2.50	22.76	25.26	1.00	AARON	11	8	31
407-001-000	01242018	0003753	4980	4981	(MSI) COMMERCIAL T		2.50	43.74	46.24	2.00	AARON	11	1	31
407-001-000	12012016	0003223	4520	4520	(MSI) COMMERCIAL T		2.50	65.61	68.11	3.00	AARON	01	1	1
407-001-000	03232016	0002731	4500	4500	(MSI) COMMERCIAL T		2.50	51.25	53.75	2.50	OLLIE	01	1	XX
407		TOTAL >	*****	*****			17.50	311.80	329.30					

800	TITLE >	MISCELLANEOUS PARTS	LABOR	TOTAL	HOURS	MECHANIC	CC	RC	WA
800-000-000	12122019	0005785	0.00	25.04	0.00		11	1	31
800	TOTAL >	MISCELLANEOUS PARTS	0.00	25.04					



SOUTH PORTLAND PUBLIC WORKS VEHICLES AND EQUIPMENT
VEHICLE REPAIR HISTORY REPORT

1-32/RRV PAGE: 8
 DATE: 01/27/2022 01:00 p.m.

FACILITY: 00004

STARTING VMRS CODE: 000-000-000
 ENDING VMRS CODE: 999-999-999

DATE: FIRST
 DATE: LAST

VEHICLE: 008
 VEHICLE: 008

METER: STANDARD		SUBTOTALS OF VMRS CODES FOR DIVISION >			AL		PERIOD: CURRENT		TOT COST
VMRS CODE	QUANTITY	LABOR HRS	LABOR COST	PARTS COST	TOTAL COST	PERCENT	PERCENT	/METER	
001	A/C, HEAT, VENTILATION	2	47.46	676.25	723.71	1.41%	1.41%	0.13545	
002	CAB/SHEET METALS	5	396.74	3245.89	3642.63	7.09%	7.09%	0.68176	
003	INSTRUMENTS, GAUGES	1	10.25	0.00	10.25	0.02%	0.02%	0.00192	
012	AXLES, DIFFERENTIAL, R	2	344.44	644.80	989.24	1.93%	1.93%	0.18515	
013	BRAKES	23	2226.01	7460.05	9686.06	18.86%	18.86%	1.81285	
014	FRAME	2	3400.20	0.00	3400.20	6.62%	6.62%	0.63638	
015	STEERING	2	78.73	625.31	704.04	1.37%	1.37%	0.13177	
016	SUSPENSION	4	422.58	2059.82	2482.40	4.83%	4.83%	0.46461	
017	TIRES, TUBES, LINERS	5	189.94	1000.00	1189.94	2.32%	2.32%	0.22271	
024	DRIVE SHAFT(S)	1	41.00	174.92	215.92	0.42%	0.42%	0.04041	
027	TRANSMISSION AUTOMATIC	4	306.08	508.51	814.59	1.59%	1.59%	0.15246	
032	CRANKING SYSTEM	4	109.78	340.81	450.59	0.88%	0.88%	0.08433	
034	LIGHTING & ELECTRICAL	12	274.66	200.87	475.53	0.93%	0.93%	0.08900	
036	INFORMATION DEVICES	1	82.00	131.99	213.99	0.42%	0.42%	0.04005	
041	AIR INTAKE SYSTEM	1	11.38	15.15	26.53	0.05%	0.05%	0.00497	
042	COOLING SYSTEM	3	106.13	0.00	106.13	0.21%	0.21%	0.01986	
043	EXHAUST SYSTEM	5	337.60	1675.21	2012.81	3.92%	3.92%	0.37672	
044	FUEL SYSTEM	3	106.61	1409.14	1515.75	2.95%	2.95%	0.28369	
045	POWER PLANT/ENGINE	10	914.20	2810.54	3724.74	7.25%	7.25%	0.69713	
051	GENERAL ACCESSORIES	3	62.09	242.31	304.40	0.59%	0.59%	0.05697	
053	EXPENDABLE ITEMS	6	56.05	1305.62	1361.67	2.65%	2.65%	0.25485	
065	HYDRAULIC SYSTEMS	9	743.06	3366.09	4109.15	8.00%	8.00%	0.76907	
066	PREVENTIVE MAINTENANCE	4	106.56	196.29	302.85	0.59%	0.59%	0.05668	
071	BODY	5	1146.78	1015.84	2162.62	4.21%	4.21%	0.40476	
400	ATTACHMENTS, EQUIPMENT	42	3418.86	6872.11	10290.97	20.04%	20.04%	1.92607	
404	DUMP BODY REPAIR	1	75.42	0.00	75.42	0.15%	0.15%	0.01412	
407	*****	8	311.80	17.50	329.30	0.64%	0.64%	0.06163	
800	MISCELLANEOUS PARTS PO	1	0.00	25.04	25.04	0.05%	0.05%	0.00469	
TOTALS:	169	578.60	15326.41	36020.06	51346.47	100.00%	100.00%	9.61004	



City of South Portland
Capital Project Request Form
Fiscal Year 2023 Capital Improvement Plan

Project Title	Public Works and Parks Digital Radios		
Department	Public Works	Dept. Priority	3
Division		Div. Priority	
CIP Category	Public Works & Transportation		

Purchase/Project Description

The Public Works Department and the Parks Department communicate with radios on the same analog channel in our vehicles. These radios are outdated and the signal is spotty at best. The Departments have made some upgrades to existing equipment and our signal has improved but, is still not consistent and reliable.

This request is to move our radios to a digital signal which involves purchasing all new radios for both the Public Works Department and Parks Department. The Public Works Department would be replacing 43 vehicle radios and 4 portable radios. The Parks Department would be replacing 20 radios. Moving to a digital signal will give consistent and reliable communications, especially in times of emergency conditions. The digital signal will also allow for Police and Fire to communicate directly with Public Works and Parks during these emergency situations.

The cost to make this upgrade for Public Works is \$115,488.90 and the Parks costs would be \$50,092.40 for a total cost of \$165,581.30

Financial Impact of this Purchase/Project

The cost to make this upgrade for Public Works is \$115,488.90 and the Parks costs would be \$50,092.40 for a total cost of \$165,581.30. The annual maintenance for this equipment would not affect what is currently budgeted in operations for radio maintenance.

Environmental Considerations

There are no environmental impacts associated with the purchase of these radios

Funding Source(s)	Year 1		Year 2		Year(s) 3+		TOTALS	
	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.	Dept. Request	Manager Rec.
Borrow/Lease Purchase							\$ -	\$ -
Fund Balance (General Fund)	\$ 165,581	\$ 165,581					\$ 165,581	\$ 165,581
General Fund (GF) Reserves							\$ -	\$ -
General Obligation Bonds							\$ -	\$ -
Grants							\$ -	\$ -
Non-GF Reserves/Surplus							\$ -	\$ -
Prior Year CIP Balances							\$ -	\$ -
TIF							\$ -	\$ -
Trade-In							\$ -	\$ -
Other (explain above)							\$ -	\$ -
TOTALS	\$ 165,581	\$ 165,581	\$ -	\$ -	\$ -	\$ -	\$ 165,581	\$ 165,581
Source of Cost Estimate	Motorola Solutions							
Est. Annual Operating Costs	\$ 2,000.00		Projected Useful Life 20 years		Additional Documentation?		Yes	

City Manager Comments

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Q667	ADD: ADP ONLY (NON-P25 CAP COMPLIANT)	4	\$0.00	0%	\$ -	\$ -
H885BK	ADD: 3Y ESSENTIAL SERVICE	4	\$95.00	0%	\$ 95.00	\$ 380.00
PMPN4174A	CHGR DESKTOP SINGLE UNIT IMPRES, US/NA	4	\$76.00	38%	\$ 47.12	\$ 188.48
NNTN8128BR	BATT IMP STD LI ION 1900M 2000T	4	\$117.00	38%	\$ 72.54	\$ 290.16
ORDERING: PLEASE CONTACT						TOTAL \$
Scott Cruikshank (978)270-5505						7,790.24
scott.cruikshank@motorolasolutions.com						EQ TOTAL \$
						165,581.30

ORDERING: PLEASE CONTACT

Scott Cruikshank (978)270-5505

scott.cruikshank@motorolasolutions.com

DELIVERY: 15-30 DAYS

TERMS: NET 45 FROM INVOICE AS SHIPPED

Preferred Discounts Applied

Terms and condition are per the Naspo Valuepoint contract

SECTION III
Appendix

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Appendix

- A. *The Capital Improvement Budget Process for the City of South Portland*
- B. *Capital Improvement Plan Project Evaluation Guidelines*
- C. *Other Demographic, Economic, and Governmental Statistical Information*
- D. *Fund Balance Policy*
- E. *Analysis of Bonded Indebtedness*
- F. *Building, Equipment, Vehicle and Technology Inventory of the City*
- G. *Glossary*

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The Capital Improvement Budget Process for the City of South Portland

As used in this charter, "capital project" or "project" mean[s] (a) any physical public betterment or improvement and any preliminary studies and surveys relative thereto; (b) the acquisition of property of a permanent nature; (c) the purchase of equipment for any public betterment or improvement when first erected or acquired; (d) the purchase of equipment and vehicles, either the first acquisition or replacement thereof, for use by the various departments of the city.

The City Manager annually presents a seven-year Capital Improvement Plan to the City Council. As part of the Capital Improvement Plan, the City Manager identifies capital projects and proposed new capital projects, the respective appropriations and sources of revenues to fund the projects and the respective amounts, if any, proposed to be raised therefore by the issuance of bonds during the budget year. The City Manager shall also include in the message, or attach thereto, a capital program of proposed capital projects for the six fiscal years next succeeding the first year, together with his comments thereon and any estimates of costs.

The City may incur indebtedness by issuing its negotiable bonds, and notes in anticipation of bonds, pursuant to this charter, to finance any capital project which it may lawfully construct or acquire. The city may issue term notes to provide funds for preliminary studies and surveys, including engineering designs and plans, in respect of any proposed capital project, whether or not construction of such capital project shall be fully authorized at the time, and such notes, and any term notes issued as extensions or renewals thereof, shall be issued pursuant to resolution adopted by the affirmative vote of five members of the council. Any term notes issued pursuant to the preceding sentence may be paid from the proceeds of negotiable bonds, or notes in anticipation of bonds, issued pursuant to this charter or from other funds of, or available to, the city.

The City Council may authorize the issuance of bonds by a "bond ordinance" passed by the affirmative vote of at least four of the members of its council. Each bond ordinance shall be subject to referendum unless the bonds are authorized solely for a capital purpose made necessary as the result of fire, flood or other disaster. Each bond ordinance shall take effect on the 21st day after its first valid publication after final passage, unless it be submitted to referendum, in which event it shall not take effect unless it be approved by the favorable vote of at least a majority of those voting thereon.

Bonds issued after the adoption of this charter shall be made payable in annual, serial and approximately equal installments as pertains to principal, and interest shall be made payable semiannually. Every issue of bonds shall be payable within a fixed term of years which shall in no case exceed 30 years.

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Capital Improvement Plan Project Evaluation Guidelines

The following guidelines determine what a CIP project is:

Relatively high monetary value (at least \$10,000)

Long life (at least five years)

Results in creation of a fixed asset, or the revitalization of a fixed asset

Included within the above definition of a Capital project are the following items:

- ❑ Construction of new City facilities
- ❑ Remodeling or expansion of existing facilities
- ❑ Purchase, improvement and development of land
- ❑ Operating equipment and machinery for new or expanded facilities
- ❑ Planning and engineering costs related to specific capital improvements
- ❑ Vehicles and other large equipment
- ❑ Street construction, reconstruction, resurfacing or renovation

Department Heads prepared and submitted capital improvement requests along with detailed project descriptions for first year projects, asset inventory and replacement schedules, supporting studies and strategic planning documents, and seven-year CIP requests.

The Capital Improvement program is based on an extensive prioritization process. Projects are prioritized based on City critical objectives and strategies, the Comprehensive Plan, Project PLAN, special studies and reports, City Council and department priorities, and anticipated funding sources. Projects are then evaluated on the following project prioritization matrix as recommended by the International City Management Association.

1. **Capital Costs** – These represent the annual total costs, including future year capital costs. Also to be considered is whether the proposed project will reduce future capital costs, for example, a rehabilitation project that averts a more expensive, subsequent replacement, and the extent of such savings.
 - a) Lower future capital costs
 - b) High future capital costs
 - c) No impact

2. **Annual Costs** - The expected change in operation and maintenance costs. Operating departments provide year-by-year estimates of the additional costs or reductions likely in the operating budget because of the new project. Also to be considered is changes in revenues, which may be affected by a project, for example, the loss of property taxes incurred when private land is used for a capital project.
 - a) Lower operating costs
 - b) Higher source of revenues

- c) Increases in productivity or opportunity
- d) Higher operating costs
- e) Lower source of revenues
- f) No impact

3. **Health and Safety Effects** – This criterion includes health-related environmental impacts like reductions/increases in traffic accidents, injuries, deaths, sickness due to poor water quality, health hazards due to sewer problems, etc.

- a) Increase public health
- b) Increase public safety
- c) No impact

4. **Community and Citizen Benefits** – Economic impacts such as property values, the future tax base, added jobs, income to citizens, changes in business income, and the stabilization (or revitalization) of neighborhoods. Such impacts may apply more to capital projects related to growth and expansion than to infrastructure maintenance though deteriorating structures can adversely affect business.

- a) Add to tax base
- b) Promote economic development
- c) Create employment
- d) Stabilize or revitalize neighborhood(s)

5. **Environmental, Aesthetic, and Social Effects** - A catch-all criterion for other significant quality-of-life related impacts, this includes community appearance, noise, air and water pollution effects, households displaced, damage to home, effect on commuters, changes in recreational opportunities, etc.

- a) Improve environmental protection effort (clean air, land and water)
- b) Improve quality of life for residents (i.e. noise, light pollution)
- c) Improves community appearance
- d) Improves recreational/cultural opportunities

6. **Distributional Effects** - Estimates of the number and type of persons likely to be affected by the project and nature of the impact – for instance, explicit examination of project impact on various geographical areas; on low-moderate income areas; and on specific target groups. Equity issues are central here – who pays, who benefits.

- a) Significant regional benefit
- b) City wide improvement
- c) Benefits large portion of City
- d) Benefits one neighborhood
- e) Assists in elimination of slum and blight
- f) No impact

7. **Public Perception of Need** - This criterion refers to project assessment of (a) the extent of public support; (b) interest group advocacy and/or opposition.
- a) Identified in Comprehensive Plan, Project PLAN or other study
 - b) Specific request of the City Council
 - c) Project requested by South Portland neighborhood organization or other group
 - d) Knowledge of public perception of need unknown
 - e) Public opposition
8. **Feasibility of Implementation** – This element is a measure of (a) special implementation problems (e.g., physical or engineering restraints) and (b) compatibility with the general direction of the City.
- a) Feasibility of implementation is manageable
 - b) Feasibility of implementation presents special implementation challenges
 - c) Project is dependent on the actions of another agency or organization
9. **Implication of Deferring the Project** - Deferring capital projects is tempting for hard-pressed governments, but an estimate of the possible effects, such as higher future costs and inconvenience to the public, provides valuable guidance in proposal assessment
- a) Deferral of the capital project will significantly increase the cost of the project
 - b) Deferral of the capital project will significantly increase the inconvenience to the public of not completing the project
 - c) Deferral of the capital project will increase operating costs
 - d) Deferral of the capital project will prevent operating cost savings or productivity improvements.
10. **Certainty of Information Supplied** – Amount of uncertainty and risk – For each proposal, each of the above criteria will have associated with it some degree of uncertainty as to cost estimates, effect on service quality, or impact of new procedures. When substantial uncertainties exist regarding any of the evaluation criteria for any proposal, the City should consider estimating, at least in broad terms, the amount of uncertainty – probability of occurrence – and the magnitude of the likely negative consequences. Few cities generate such information, but even “educated guesses” are useful here.
- a) Certainty of the cost estimate is high based on recent bid document or publicly advertised price
 - b) Certainty of the cost estimate is high based on engineering estimate
 - c) Certainty of the cost estimate is moderately high based on best professional judgement
11. **Effect on Interjurisdictional Relationships** – Possible beneficial/adverse effects on relationships with other jurisdictions or quasi-governmental agencies in the area

constitute this criterion. Such effects, e.g., waste disposal via landfills in other jurisdictions, are likely to require special regional coordination and could impair the proposal's attractiveness.

- a) Interjurisdictional benefit will be achieved
- b) Interjurisdictional project that has the support of another community or agency
- c) Interjurisdictional project that will need to obtain approval from another community or agency

12. City Critical Objective – If a capital project directly addresses a City critical objective, the relative attractiveness of that project increases.

- a) Identified in comprehensive Plan, Project PLAN or other study
- b) Specific request of the City Council
- c) Consistent with vision statement “to become the premier service provider in northern New England”
- d) Consistent with annual work plan described in operating budget
- e) Important; but not critical

13. Nature of the Investment – Does the capital improvement request replace or maintain an existing asset or provide for a new capital asset?

- a) Maintenance of an existing asset
- b) Replacement of an existing asset
- c) Expansion of an existing asset
- d) New capital asset

14. Significant Investment in Previous Years. Has the City made a significant investment in this programmatic area within the last five years?

- a) Significant investment made by the City in the last five years
- b) Significant investment made by the City to meet legal obligation
- c) Moderate investment
- d) No investment

After all proposed projects are prioritized using these fourteen criteria, the list will be reviewed from two more viewpoints: 1) does the list stand an “intuitive check”? Do projects fall in the priority order that was “anticipated”?, and (2) are there any linkages between projects? Are any projects related to each other geographically, or otherwise, such that having them accomplished concurrently would be advantageous? What about sequencing or timing? Are any projects dependent on the completion of other projects? Adjustments to the priority list may be necessary dependent on this final review.

CITY OF SOUTH PORTLAND, MAINE



CITY OF SOUTH PORTLAND, MAINE

General

The City of South Portland is located on the southern coast of the State of Maine in the southeastern section of the County of Cumberland, the State's most populous county. The land area of the City consists of residential, local business, industrial and coastal land areas with a total area embracing 12.93 square miles, supporting a population of 25,608 residents. A city charter was granted on March 22, 1898 and adopted on December 5, 1898 as the City of South Portland. South Portland is the fourth largest city in Maine and the second largest in its region. Once principally a residential community, the City now enjoys a diversified commercial, industrial and advanced technology aspect to its economy. The City comprises several villages, all being contiguous to another, the major neighborhoods being: Cash Corner, Country Gardens, Ferry Village, Knightville/Millcreek, Ligonias, Loveitt's Field, Meadowbrook, Meetinghouse Hill, Ocean Street, Pleasantdale, Redbank, Stanwood Park, Sunset Park, Thornton Heights and Willard.

The Fore River separates South Portland from the City of Portland for a major portion of its northern border. The remaining portion of the City's northern border is formed by the land portion of the Portland/South Portland line and a portion of the City of Westbrook. South Portland is bordered by the towns of Scarborough at its southwest and Cape Elizabeth at its southeast. The Atlantic Ocean forms South Portland's eastern border as Portland Harbor and Casco Bay. Convenient access to South Portland is provided by Exits 44 and 45 of U.S. Interstate Route 95 (the Maine Turnpike), which diagonally intersects the City's northwestern plain; the U.S. Interstate Route 295 spur, which bisects the City through its western region; U.S. Route 1, which flows through the center of South Portland; State Route 9, which enters the southern section of the City as part of U.S. Route 1 and then departs to the City's northwest; and State Route 77, which intersects the City's eastern plain in a north-south direction, to cross on the Casco Bay Bridge, connecting South Portland and Portland.

The area of which the City is comprised was originally the northern part of the Town of Cape Elizabeth. This area was first settled with a trading station being established in 1627 on Richmond Island. A grant of land on the mainland near the Spurwink River was conveyed in 1631 and in 1632 development of the Spurwink settlements began. The Colonial and native population conflicts forced

abandonment of the area for several lengthy periods from 1675 to 1713. Old Falmouth was incorporated in 1718, forming the area now encompassing the Cities of Portland, South Portland and Westbrook and the Towns of Cape Elizabeth and Falmouth. Due to the inconvenience of crossing the Fore River, Cape Elizabeth (then including the City) became established as the Second Parish of Falmouth in 1733, and on November 1, 1765 separated from Falmouth, being incorporated as the Town of Cape Elizabeth. On March 15, 1895 South Portland divided and set off the northern portion of Cape Elizabeth to become a town.

The City's port area serves as major distribution facility for foreign oil shipments for transmission to Canada as well as refined products for domestic consumption. The Maine Mall in South Portland forms the hub of the largest shopping district in the State. The City is the location for Willard Beach, Bug Light, Spring Point Light, the Southern Maine Community College campus and numerous marinas. Fairchild Semiconductor and Texas Instruments manufacture sophisticated electronic circuits used in personal computers, laptops computers, cellular phones and other devices.

Government

The City operates under a charter initially adopted December 5, 1898, as amended, most recently in November 2009 (the "Charter") providing for a Council-Manager form of government with a seven-member City Council. The Council is composed of seven members, one elected from each of the City's five voting districts, and two members who are elected at-large. The Council members are elected for three-year staggered terms. The Charter grants to the City Council all powers to enact, amend, or repeal rules, ordinances and resolutions relating to the City's property, affairs and government, to preserve the public peace, health and safety, to establish personnel policies and giving effect to any vote of the City and to authorize the issuance of debt subject to referendum approval by the voters of the City. Through its Charter, the Council adopts an annual budget and provides for an annual audit.

The City Manager is the chief executive officer and the head of the administrative branch of the City government.

Municipal Services

The City provides general governmental services for the territory within its boundaries, including police and fire protection, maintenance of highways, streets and sidewalks, parks, recreation, library and coastal areas, sewer service and wastewater treatment. The City also operates a public bus service. Public education is provided under the City's supervision for grades Kindergarten ("K") through 12.

Water service is provided by the Portland Water District, a quasi-municipal entity whose operations and direct obligations are not part of the City.

Planning and Development

The Department of Planning and Development plans for the growth and re-development of the City. Its mission is:

- to maintain the quality of life of a flourishing community in which each resident is reasonably able to achieve his or her highest potential
- to facilitate increased economic activity
- to protect the tax base of the City—upon which depend needed municipal services—by promoting standards attractive to investment
- to protect the natural environment and promote excellence in the design of the built environment
- to provide City decision-makers with quality information and analysis of alternatives
- to promote effective public participation.

Some of the activities of planning staff include:

- Implementing the 2012 Comprehensive Plan Update
- Assisting with implementing the Climate Action Plan
- Fostering economic development
- Writing land use protection ordinances
- Grant writing and community development
- Providing staff services to the Planning Board
- Preparing community-wide plans like the Comprehensive Plan
- Area planning, such as the Mill Creek Master Plan.
- Transportation network and facilities planning
- Review of applications for development projects.

The Department of Planning and Development also includes Engineering Inspection and Code Enforcement. The Engineering section of Planning and Development includes staff and contracted services, providing inspection and limited design and services for the City and its departments. Inspection projects include:

- New developments
- Street openings
- Renovations
- Sewer construction and reconstruction
- Drainage reviews
- Monitoring and enforcing erosion and sediment control activities

The Code Enforcement section of Planning and Development handles zoning, building, plumbing, electrical and street opening permits. The office provides information and services related to:

- Building codes

- Setback requirements
- Permit requirements
- Home occupations
- Accessory Dwelling Units
- Permitted and Special Exception uses
- Zoning districts
- Zoning, wetlands, and shoreland zoning maps
- Variances and other appeals
- Assessor's parcel maps
- Grandfathered buildable lots of record
- City Excavator Licensing requirements
- Property records

The Code Enforcement Office also has information provided by other agencies regarding:

- Radon, Asbestos, and Lead hazards
- Tenant rights
- Adaptive equipment loan programs
- Making homes wheelchair accessible
- Flood Insurance Rate Maps (FIRM)
- Dig Safe

Permits

Most construction projects or installations must have a permit before being started. Before you begin any type of construction project, please call the Code Enforcement Office at 207-767-7603 for information on requirements. Permits are issued from this office for:

- New construction, including buildings, additions, porches, decks, sheds, garages, swimming pools, signs, and more.
- Demolitions
- Changes to existing exterior or interior walls, roofs, window or door openings of buildings, including sign panel changes.
- Temporary structures such as storage and office trailers, and temporary signs and banners.
- Electrical- any service or meter changes and any new wiring, including sign wiring- requires application by a Maine Licensed Master Electrician (even for a single family home)
- Plumbing- any new or relocated fixtures, but not for replacement of old fixtures in the same location. Single family homeowners may take out their own permit. Any other plumbing job requires application by a Maine Licensed Master Plumber
- Heating- any new or replacement heating systems, including furnaces, boilers, woodstoves, pellet stoves, gas heating stoves, and gas heaters of any kind. Gas-fired and oil-burning equipment installations require application by a Maine Licensed Oil Burnerman or Maine Licensed Propane/Natural Gas Technician.
- Fuel tank installations

- Sewer installation or connection/reconnection
- Septic tank installation or replacement
- Sewer impact fees
- Sprinkler systems or other fire or burglar protection systems
- HVAC or installed air conditioning systems (not window units)
- Large tents for special events (proof of treatment for fire retardancy required)

Fences

Fences do not require permits and may be up to six feet in height, placed right against your property line, facing in either direction. Your fence must be behind or against the front property line, not in front of it on what is actually City property between the pavement of the street and the actual front property line.

Building Activity

The following shows the trend of the City's building activity.

FY End June 30,	New Construction	Alterations	Total
2002	\$10,355,145	\$19,416,341	\$29,771,486
2003	\$48,031,348	\$15,035,127	\$63,066,475
2004	\$22,844,810	\$19,821,229	\$42,666,039
2005	\$21,573,491	\$29,977,433	\$51,550,924
2006	\$19,970,163	\$26,685,576	\$46,655,739
2007	\$30,875,553	\$11,974,855	\$42,850,408
2008	\$10,759,460	\$22,129,167	\$32,889,427
2009	\$7,360,574	\$8,554,657	\$15,915,231
2010	\$7,010,044	\$9,407,736	\$16,417,780
2011	\$6,999,202	\$13,068,484	\$20,067,686
2012	\$3,142,022	\$52,431,167	\$55,573,189
2013	\$12,080,787	\$19,830,611	\$31,911,398
2014	\$15,327,221	\$13,712,132	\$29,039,353
2015	\$26,542,177	\$27,237,849	\$53,780,026
2016	\$36,916,595	\$20,135,032	\$57,051,627
2017	\$27,761,099	\$30,696,715	\$58,457,814
2018	\$8,219,754	\$27,359,065	\$35,578,819
2019	\$5,743,225	\$74,173,049	\$79,916,274
2020	\$52,053,394	\$39,567,240	\$91,620,634
2021	\$28,334,865.	\$28,897,001	\$57,231,866

Source: City of South Portland

South Portland Fire Department

The South Portland Fire Department provides emergency response services to the community utilizing full-time and part-time on-call firefighter /paramedics. The delivery of Emergency Medical Services is the largest part of our business. We staff two ambulances at the paramedic level as well as three full-time fire trucks staffed with EMS personnel 24 hours a day. The Department serves as a State of Maine sponsored WMD / hazardous materials response team. Administrative offices for Fire, Emergency Medical Services and Emergency Management are located at the South Portland Public Safety building located at 20 Anthoine Street.

The Department currently operates out of three fully staffed stations, Central Station located at 684 Broadway, Cash Corner at 360 Main Street, and Western Ave Station located at 34 James Baka Drive. The three call companies operate out of Willard Square, Cash Corner and Union Street.

The South Portland Fire Department on a daily basis takes an active role in our community to educate the public and prevent emergencies. Prevention is often difficult to measure; however we have seen a remarkable decrease in major fires over the past twenty years. We have moved to automate our inspection program and visit every commercial occupancy and three unit apartment building annually. The Deputy Fire Chief in charge of fire prevention also reviews and approves all new construction plans in the city and makes recommendations on all aspects of the development process.

We focus on several areas in an attempt to prevent injuries and accidents in our community. The first is training of our employees, to be prepared to handle all types of emergencies. The second is through public education within the community. We participate in a regional juvenile fire setter program. Every October as part of fire prevention week the department hosts an open house and safety day at our Central Fire Station.

The South Portland Fire Department has evolved into an Emergency Response Team ready to handle any hazard. Our department has some of the best trained firefighters and paramedics in the state. The outstanding support provided by our community and the dedication of our staff have allowed the South Portland Fire Department to be ranked by ISO (Insurance Services Office) as one of the top departments in New England.

South Portland Police Department

Mission Statement

The mission of the South Portland Police Department is to work cooperatively with and within the community to protect life and property, preserve peace, enforce laws and maintain civil rights through proper and responsive community based service.

School Resource Officer:

A School Resource Officer is a sworn law enforcement officer assigned to a school on a long-term basis. The SRO is specifically trained in and performs three main functions: law enforcement officer, law related counselor and law related educator. The SRO program is a community policing approach in a school environment. The SRO's also participate in school activities and extracurricular events, serve as a classroom resource to teachers in the area of their expertise, are members of the school community and are facilitators of safe and secure school settings.

The South Portland Police Department has two SROs; one is solely dedicated to the South Portland High School and the other splits his time between Mahoney and Memorial Middle Schools.

Triad:

The South Portland Police Department has partnered with the senior members of the community to form the South Portland/Cape Elizabeth TRIAD, an organized program to reduce the criminal victimization of senior citizens. The South Portland/Cape Elizabeth TRIAD meets the first Wednesday of every month (Alternating in South Portland and Cape Elizabeth locations). A Senior Advisory Council also referred to as S.A.L.T. Council (seniors and Law Enforcement Together) act as an advisory group for the police department on crime and security issues involving the elderly. Activities of the S.A.L.T. Council include:

- Educating senior citizens on crime prevention and other social issues that impact senior citizens
- Assist senior citizens with getting resources so they can continue to live independently in their own homes

Citizen Oriented Policing School:

The South Portland Police Department offers an 8-week program that is intended to be an overview of the functions and operations of law enforcement. Citizens from South Portland and surrounding communities are welcome to attend the 8-week, 2 hour, sessions to learn about the following topics:

- The Role of the Police Officer • The Hiring Process • Police Ethics • Juvenile Justice • Community Policing • Dealing with the Mentally Ill • Domestic Violence • Diverse Ethnic Groups • Patrol Procedures • Criminal Investigations • Use of Force

Additionally, participants also have the opportunity to "ride along" with an officer on patrol and participate in scenario-based training. Interested individuals must be 18 years of age and agree to submit to a background check prior to acceptance.

Community Partnership for Protecting Children (CPPC):

Community Partnerships for Protecting Children (CPPC) is a partnership of parents, neighborhoods, schools, churches, social service providers, children welfare services, law enforcement, neighborhood associations, and businesses working together to support and strengthen families and communities. CPPC is a method of interaction with families that is dependent on parent leadership, agency collaboration, neighborhood presence and adherence to four key elements of best practice, including shared decision making.

The neighborhoods surrounding Brickhill and Redbank were identified early on as a possible site for CPPC. In addition, Youth Alternatives Ingraham was interested in becoming more active with its neighbors. At the same time, there was interest within the City of South Portland to address some of the ongoing needs of the neighborhood including juvenile behavior and school truancy. In November 2008, the City of South Portland organized a neighborhood meeting and a list of issues was discussed, including juvenile behavior, drugs, and the need for greater police presence. In addition, the City formally committed itself to establishing the “Hub” in the Redbank/Brickhill community and secured a location along Westbrook Street to be shared by South Portland Police, DHHS staff and other CPPC partners.

The South Portland Police Department is key partner of CPPC. Their unique role is based on the fact that law enforcement personnel are present in the neighborhood on a regular basis and are often times the first to respond in cases of domestic violence and child abuse. Collaboration and communication between law enforcement and other CPPC partners is essential. On many occasions, responding officers recognize that the family needs help that police are not equipped to provide. Reaching out to the CPPC partners will provide the resources families need and assist law enforcement in effectively addressing the situation.

Parks, Recreation and Waterfront

The mission of the South Portland Parks, Recreation, & Waterfront Department is to provide, maintain and develop recreational facilities, open space and leisure opportunities which will enhance the well being of the citizens of the community. Critical to the success of this mission is our commitment to teamwork that drives excellence at every level of our operation. Our community has a longstanding tradition of supporting thriving programs, diverse green spaces, and publicly accessible trails for all ages to live an active healthy lifestyle. The Department of Parks & Recreation facilitates this tradition through providing the programs citizen’s desire in locations that are second to none in Maine. Any person who rides the Greenbelt on a spring morning, attends a soccer outing at Wainwright Recreation Complex on a fall day, relaxes on a bench in the Mill Creek Park watching children skating on the pond, or plays a leisurely round of golf at our municipal course during a lazy summer evening can tell you that our parks system offers something for everyone. Housed in the South Portland Community Centers on Nelson Road and Redbank participants find a wide variety of activities for all ages year round ranging from water aerobics to the arts on a daily basis.

Public Parks Division

The Parks Division is responsible for maintenance for all City parks, the Municipal Golf Course, City athletic complexes, public school athletic fields, Willard Beach and a variety of other public facilities. During the winter, staff prepares the skating areas as well as cross country ski trails at the Golf Course, Mill Creek Park and Wainwright Recreation Complex, maintains access to the Greenbelt, and assists the Public Works Department in snow operations. Parks Division horticulturist, arborists, and landscaping staff grow many plants including all the annual flowers for the beds throughout the City. The City is also a Tree City USA community so our parks team performs the pruning, planting and removal of City-owned trees. Several annual events to include Art in the Park, Holiday Tree Lighting Festival, Summer Concerts, and Arbor Day festivities.

Recreation Division

Living an active and healthy lifestyle is accessible to everyone through our Greenbelt Trail, Municipal Pool, and variety of programming throughout the City. We offer active recreational opportunities through youth, adult, and senior programming such as pickle ball, soccer, basketball, water aerobics and arts classes at both the South Portland Community Center and Redbank Community Center. You can find our programs listed through the City website where it is also convenient to register on line for programs or classes. We also post many items on our Facebook page so that you can keep up with the latest information. A full listing of all our programs, events, and classes is also published three times a year in our brochure. Our programs are a great way to meet people in the community or to become a volunteer.

Waterfront

The City staff plans, manages, and coordinates maintenance of municipal waterfront facilities, including the Portland Street Pier, Fore River Municipal Boat Ramp as part of Bug Light Park, and Knightville landing in Thomas Knight Park. Spring Point Marina is leased which is operated by Port Harbor Marina but remains under the Department's overall supervision.

In addition, the Cities of Portland and South Portland have worked closely to develop new economic activity in the Port of Portland. At least one general marine cargo terminal with heavy lift capability is located within South Portland. Currently, there are no passenger transportation terminals in South Portland. There are several marinas, a small shipyard, beaches, restaurants, Southern Maine Community College, private homes, condominiums, public park, trails and access points along the South Portland waterfront. Several additional properties along the waterfront are available for commercial development or public use. The diversity of the waterfront's use provides both a great asset and a challenge.

Fore River Municipal Boat Ramp

The Fore River Municipal Boat Ramp is a part Bug Light Park. It is intended primarily for the launching of recreational boats. Commercial boats may use the ramp if such use does not unreasonably interfere with the launching of recreational boats. The public float and landing is generally restricted to the boarding and landing of small craft only. The ramp parking lot and other

adjacent areas are available for overnight or long-term use, as space is available. Advance permission is required by calling 767-7650.

Upon request, the department will provide copies of the current rules and regulations governing the Fore River Municipal Boat Launching Facility.

Portland Street Pier

The City maintains the Portland Street Pier in Ferry Village. The facility has 16 boat slips available on an annual basis to small commercial fishing vessels, typically lobster boats. The pier provides public access for fishing and other family activities. A wood frame building on the pier is leased to Waterworks Diving Services. Commercial fisherman from South Portland interested in obtaining a boat slip may call 767-7650 or write to the Director of Parks, Recreation, & Waterfront, 21 Nelson Road, South Portland, 04106.

Municipal Pier and Public Boat Landing at Thomas Knight Park

Knightville Landing is located in the shadow of the Casco Bay Bridge in Thomas Knight Park. The park is located at the intersection of Waterman Drive and Ocean Street in the Knightville neighborhood. The facility provides a waterborne gateway to the City for recreational boaters. The 300 foot pier and floating docks allow unrestricted access to the water. It is an ideal place to fish, kayak, canoe, or simply sit and enjoy the magnificent view of Portland Harbor's working waterfront.

Fee structure: Fees are paid by visiting boaters. All fees collected are used to operate and maintain this boat landing. **We use the honor system.**

South Portland Public Library

The South Portland Library was constructed at its present location in 1966, and a branch was built in 1976.

As the state of Maine's fourth largest public library, and a leader within Minerva, a statewide cooperative library network, the South Portland Public Library offers extensive collections of materials of all kinds to its users. Beyond items to borrow, the library is also a cornerstone of the community, serving as a gathering place for many cultural, artistic and educational events. We provide access to library services seven days a week, year round, through our two locations, each with its own unique personality.

Highlights of Services:

- Current/Popular Fiction and Non-fiction
- Extensive Collection of Films on DVD
- Audio Books
- Music CDs
- Large Print Books

- Public Use Computers and Printers for Internet, Email and Word Processing
- Photocopiers
- An Amazing Collection of Materials for Children and Young Adults
- Graphic Novels
- Outreach Services – Delivery to the Home Bound
- Story Times, Activities and Groups for Children of All Ages
- Passes to Local Museums and Attractions
- Frequent Concerts, Guest Speakers and Other Special Events
- Adult Book Discussion Groups
- Socrates Café: A Philosophical Discussion Group
- Convenient and Family-Friendly Weekend Hours Search Our Catalog, Check Your Library Account and Request Items 24 Hours A Day At: www.southportlandlibrary.com

Water Resource Protection

The City of South Portland has actively pursued improving water quality in Casco Bay since 1978. The Water Resource Protection Department manages all operations, maintenance, and administrative activities for the wastewater treatment plant, pumping stations, and sewer/storm collection systems to ultimately meet all the water quality requirements set forth by the 1972 Federal Clean Water Act (CWA) through its Maine Pollutant Discharge Elimination System (MEPDES) discharge permit.

The *Treatment Systems Division* is responsible to ensure the treatment plant consistently meets the requirements set forth in the city's discharge permit. A highly successful compliance record is due to the dedication of the staff who work diligently to ensure the plant runs effectively and efficiently at a minimum cost to the residential, commercial, and industrial sewer users. Through a sequence of carefully controlled physical, biological, and chemical processes, the treatment plant staff produces over 2.5 billion gallons of clean water per year. Continuous monitoring and control with the operators' knowledge of biology, chemistry, equipment, maintenance, treatment systems, and processes are critical to peak operating efficiency. The treatment plant can pump and treat an instantaneous peak flow of up to 56 million gallons per day. The treatment plant operators are also responsible for the operations of 30 pumping stations throughout the City. The staff responds to pump station emergencies on a 24 hour, 7 day a week basis. There have been a number of upgrades to the 32 year old treatment facility which have consisted of system replacements to plant process components. This ongoing modernization process insures the City stays in compliance with changing regulations and maintains an efficient low cost system.

The *Collection Systems Division* comprises staff that provides services in the area of sewer/stormwater pipeline inspections, cleaning, maintenance, line repair, and manhole/catchbasin repair and maintenance. They also respond to sewer and stormwater related emergencies 24 hours a day, 7 days a week. The scope of coverage is extensive where the City has over 105 miles of sanitary sewers, 70 miles of storm sewers, and 6,396 structures within the system. These systems require continual service and repair to maintain the collection system in peak operating condition to move the wastewater flows for treatment and minimize the overflows from hydraulically overloaded combined sewer/stormwater collection systems. These combined sewer overflows (CSO's) are regulated discharges that must eventually be eliminated. The City has been actively pursuing this goal

since 1994 and has a master plan to move it to reducing or eliminating the six remaining CSO's over the next [several](#) years.

Sewer Maintenance provides preventative maintenance and repairs which is critical to keeping the treatment plant, the pump stations, and the department equipment and vehicles running at peak performance. Effective maintenance is a crucial part of operations, not only during the normal flows received on a daily basis, but, most importantly, when the collection and treatment system is tested during storm events, high flows, and natural weather disasters.

The ***Industrial Pretreatment Program*** was established to allow the Publicly Owned Treatment Works (POTW) direct control of industrial user discharges. This program was approved by the EPA in 1983 to insure that the objectives of the federal program were fully implemented on a local level. The program prevents the introduction of pollutants into the POTW, which could cause pass-through or interfere with the operation of the POTW, including interference with its use or disposal of municipal biosolids. The Compliance Administrator regulates the industries through a permitting mechanism to be sure they are in compliance with the program.

The ***Stormwater Management Program*** is the result of recent stormwater regulations and is administrated by the Stormwater Program Coordinator. The duties of this position are far reaching and consist of planning, managing, and coordinating the activities of the City's stormwater program. The program is made up of multiple stormwater minimum control strategies that are required by the federal and state stormwater regulations such as the federal Stormwater Phase II and the Maine Department of Environmental Protections MS4 General Permit for the discharges of stormwater from municipalities. The coordinator will develop and manage watershed plans and pollution reduction programs while working with the City's strategy for bringing urban impaired streams back into their water classification.

The staff can provide guided tours of the treatment plant to groups or individuals to see what treatment plants do for water quality and how the use of technology can improve efficiency and lower cost. The Collection Systems Division can set up demonstrations with local schools to view the latest in equipment and technology utilized in a modern collection system.

The ***Engineering Division*** provides engineering support services that encompass a wide range of needs from construction project management to facility planning and advancing the technological needs of the city. For buildings, roads, sewer construction, stormwater separation, treatment plant, pump station, and other hard construction projects, Engineering can provide the preliminary design work, design management, construction administration, and inspection service to insure the cost effective and product success of construction projects undertaken by the city. Engineering also advances much of the technological and planning improvements the city undertakes such as 3D CAD, CAD standards, sewer/storm systems computer modeling, development and maintenance of GIS data layers, pump station and sewer standards, treatment plant - pump station - collection system facility planning, and accurate efficient compilation and storage of record drawings for city infrastructure that will bring the city into the next generation of cost effective engineering service.

Public Education

The City operates its educational program for grades K through 12 under its own supervision. Article IX of the City's Charter, as amended, provides that the Department of Education for the City be administered by a Board of Education comprised of seven members, one elected from each of the City's five voting districts, and two members who are elected at-large. The Board of Education members are elected for three-year staggered terms. The Board performs all duties and functions in regard to the care and management of the public schools of the City including preparation and submission of its budget to the City Manager, who includes it in the budget process.

Public Works

The Public Works Department provides a full range of services including:

- Automated rubbish collection and disposal
- Snow plowing, sanding and salting
- Street and sidewalk maintenance
- Street paving and reconstruction
- Sign installation and maintenance

Public Works also operates a heavy equipment maintenance facility and the Transfer Station.

Rubbish Removal

One of the Department's primary functions is automated curbside rubbish removal and we collect from approximately 8500 stops weekly. We advertise any postponements of rubbish collection, due to holidays in the Sentry, on SPC-TV, via citywide email and via a maintained community e-mail list. If you would like to be placed on our "community" email list, please email us at publicworks@southportland.org. Any cancellation and/or postponement of rubbish collection due to weather is announced on television Channels 6, 8 & 13, as well as all of the local radio stations.

The Department is also responsible for all road maintenance, which includes, but is not limited to, pothole repairs; rating and coordination of paving and/or overlaying of roads; plow damage repairs (esplanades, lawns, drive aprons, curbing, etc.); signage repair and/or replacement; street sweeping; operation of the City's Transfer Facility; sidewalk repairs (bituminous or concrete); and assist other Departments as necessary.

Other services offered annually include:

- Fall curbside leaf collection, for leaves in biodegradable bags only
- Christmas tree curbside collection for 2 weeks after New Year's Day, weather permitting
- Household Hazardous Waste Drop-off day (City sponsored) - usually the 3rd Saturday in October
- Facility opened four (4) Sundays in the spring and four (4) Sundays in the late fall.

All of these are advertised the same as rubbish is for the holidays. The Department reviews and approves or denies any curb cut applications within the City limits.

South Portland Transportation

Transit Bus Service

The South Portland Bus Service provides a fixed route public transit service to the residents of South Portland. All City buses are lift equipped and wheelchair accessible. The Bus Service has a fleet of buses that operate three routes.

The Mill Creek Transit Hub, located on Thomas & Ocean St, offers riders an indoor facility to sit while waiting to transfer between routes.

The Bus Service also connects with the Portland METRO (774-0351) with a free transfer system to increase service area coverage throughout the Cities of Portland and Westbrook and the Town of Falmouth.

Labor Relations

The City employs full, part-time, permanent part-time (set hours or no set hours), seasonal and temporary employees. The following represents those employees included in a union:

Union	Unit	Effective	Expire
AFSCME (AFL/CIO)	Parks, Public Works	7/1/2021	6/30/2022
SPFCO	Fire Command Officers In Negotiations	7/1/2018	6/30/2021
SPPCSU(MAP)	Police Command Officers	7/1/2021	6/30/2022
IAFF 1476	Dispatch ** In Negotiations	7/1/2018	6/30/2020
IAFF (AFL/CIO)	Firefighters In Negotiations	7/1/2018	6/30/2021
SPPPA (MAP)	Police Patrolmen	7/1/2021	6/30/2022

The School Department unions consist of the following:

SPAA	School Administrators	7/1/2020	6/30/2022
SPTA (MEA)	School Teachers In Negotiations	9/1/2018	8/31/2021
SPESPA (MEA)	Education Techs, & Clerks	9/1/2016	8/31/2022
SPSEA(MEA)	Maintenance, Transportation & Food Service In Negotiations	7/1/2018	6/30/2021

Economic Development

The City of South Portland has a diverse economic base, including substantial retail development, manufacturing and industrial businesses, as well as hundreds of small businesses throughout the City. It is home to the Maine Mall, one of the largest retail centers in northern New England. Each year, the Maine Mall and nearby shopping centers draw millions of visitors to South

Portland. During the day the City's population swells between 60,000 and 80,000 primarily as a result of the mall, nearby shopping centers and restaurants, Class A offices, and other prominent businesses.

The City is home to two world-class computer chip manufacturers, Texas Instruments and Fairchild Semiconductor, as well as the Maine headquarters of Anthem Blue Cross Blue Shield. Hannaford Brothers, a regional grocery store chain has a significant presence with its distribution center and freezer plant, distributing groceries to stores throughout New England. Portland Harbor is a significant asset of the City of South Portland, and it is one of the largest ports on the U.S. East Coast by volume and contributes to the regional economy.

The economic diversity of South Portland has been the key to its success, maintaining a strong economy over the years even during periods when the national economy has receded. South Portland's close-knit and friendly neighborhoods, its amenities, and open green spaces and waterfront are true assets that highlight the community's quality of life. Our City is a treasure and we welcome those who wish to come and visit and see the jewel that we call South Portland.

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City of South Portland, Maine
General Fund - Fund Balance Policy
June 20, 2011

Policy Purpose

The purpose of this policy is to establish a target level of fund balance for the general fund and to establish a process and criteria for the continued evaluation of that target level as conditions warrant. This policy shall also establish a process for reaching and/or maintaining the targeted level of fund balance and the priority for the use of resources in excess of the target. Finally, this policy shall provide a mechanism for monitoring and reporting the City's general fund balance. This policy applies only to the general fund.

Definitions and Classifications

Fund Balance is a term used to describe the net assets of governmental funds. It is calculated as the difference between the assets and liabilities reported in a governmental fund.

Governmental fund balance is reported in five classifications that comprise a hierarchy based primarily on the extent to which the City is bound to honor constraints on the specific purposes for which amounts in those funds can be spent. The five classifications of fund balance applicable to the General fund are defined as follows.

Restricted Fund Balance Components:

- *Non-spendable* – resources which cannot be spent because they are either, a) not in spendable form or; b) legally or contractually required to be maintained intact.
- *Restricted* – resources with constraints placed on the use of resources which are either a) externally imposed by creditors (such as through debt covenants), grantors, contributors, or laws or regulations of other governments; or b) imposed by law through constitutional provisions or enabling legislation.

Unrestricted Fund Balance Components:

- *Committed* – resources which are subject to limitations the government imposes upon itself at its highest level of design making (City Council), and that remain binding unless removed in the same manner.
- *Assigned* – resources neither restricted nor committed for which a government has a stated intended use as established by the City Council, or a body or official (management) to which the City Council has delegated the authority to assign amounts for specific purposes.
- *Unassigned* – resources which cannot be properly classified in one of the other four categories. The General Fund should be the only fund that reports a positive unassigned fund balance amount.

Background and Considerations

Fund balance is intended to serve as a measure of financial resources in a governmental fund. The City's management, credit rating agencies, and others monitor the levels of fund balance in the general fund as an important indicator of the City's economic condition. While credit agencies have always analyzed fund balance as part of their evaluation of credit-worthiness, increased attention has been focused on determining sufficient levels because of recent events in the credit markets.

In establishing an appropriate level of fund balance the City has considered the following factors:

- Property Tax Base
- Non-property Tax Revenues
- Debt Profile
- Liquidity
- Budget Management
- Future Uses
- Employment Base

Fund Balance Policy

It is the policy of the City of South Portland to maintain a minimum unassigned fund balance in the general fund of 9% of general fund budgeted expenditures measured on a General Accepted Accounting Principles (GAAP) basis. In the event that the unassigned fund balance drops below this minimum level, the City will develop a plan, implemented through the annual budgetary process, to bring the balance back to the target level over a period of no more than three (3) fiscal years. A super majority vote of five (5) affirmative votes will be required for the City Council to take action on an item that temporarily reduces the fund balance below this minimum target level. In no instance shall the unassigned fund balance in the general fund fall below 6% of general fund revenues for greater than a continuous two (2) fiscal year period.

Amounts in excess of the targeted maximum of 12% of general fund measured on a GAAP basis shall be used for capital improvements or other one-time expenditures as identified by the City Council. By utilizing excess fund balances for capital improvements, the City will reduce the need to incur long-term debt and will avoid creating an operating funding gap for subsequent fiscal years.

This policy has been adopted by the City to recognize the financial importance of a stable and sufficient level of the unassigned fund balance. However, the City Council reserves the right to appropriate funds from the unassigned fund balance for emergencies and other requirements the City Council believes to be in the best interest of the City of South Portland.

Tax Rate Stabilization Reserve

In periods of economic decline where valuation assessments are flat or decreasing, and/or periods of significant estimated revenue loss or periods of high increases in budgeted expenditures, the City Council may set aside funds in the tax rate stabilization reserve to be used to reduce the needs from taxation for the coming year(s). Funds set aside in the tax rate stabilization reserve should have a planned exit strategy to reduce the use of such reserves in subsequent budgets and should be fully funded to the extent necessary to properly provide a declining (tiered) use of this reserve for a period no

greater than 5 years. The objective of this tiered approach is to lessen the impact in subsequent years for the lower estimated revenues from the tax rate stabilization reserve. Upon determining the need to use fund balance to offset the needs from taxation the City Finance Director will provide a recommendation for the funding of the reserve and the City Council will commit the necessary balance to fully fund the reserve in the best interest of the taxpayers.

Committed Balances

The City Council has established various reserves sub funds which are to be treated as committed and are listed in Exhibit A with a brief description of the sub funds intended use.

Assigned Balances

Unless already classified as restricted or committed, the following balances shall be classified as assigned, as per GAAP or as a matter of policy. Additional amounts may be assigned by the City Council and Administration as deemed necessary.

Encumbrances – Amounts encumbered at year-end by contract, including purchase order, or encumbered by some other means shall be classified as assigned.

Budget Appropriation – Amounts appropriated in the annual budget resolve, or in any supplemental budget resolves, for expenditures in ensuing fiscal year shall be classified as assigned.

Additionally the City will have various sub funds which are will be treated as assigned and are listed in Exhibit B with a brief description of the sub funds intended use. City Council action must be taken to establish the types of assignments prior to the fiscal year end but, delegates the Finance Director to determine the proper amounts that are required.

Policy Administration

The Finance Director shall report fund balance in the appropriate classifications and make the appropriate disclosures in the City's financial statements.

Annually, during the Comprehensive Annual Financial Report (CAFR) presentation, the Finance Director shall report the City's fund balance and the classification of the various components in accordance with GAAP and this policy.

Should the City fall below the minimum target level, the Finance Director shall prepare a plan to restore the unassigned fund balance to the target level prior to the ensuing fiscal year's budget adoption.

Should the City exceed the maximum target level, the City Manager shall prepare a recommendation to utilize excess funds for capital improvements or other one-time expenditures.

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**CITY OF SOUTH PORTLAND
ANALYSIS ON BONDED INDEBTEDNESS
AS OF JUNE 30, 2021***

<u>YEAR ISSUED</u>	<u>MUNICIPAL PRINCIPAL</u>	<u>SCHOOL PRINCIPAL</u>	<u>TREATMENT/ SEWER PRINCIPAL</u>	<u>TIF PRINCIPAL</u>	<u>TOTAL PRINCIPAL</u>
2002/2003		1,490,000			1,490,000
2009	-	-	230,369	-	230,369
2012		6,000,000			6,000,000
2013		139,534			139,534
2014		5,735,000			5,735,000
2015	1,311,720		910,350	327,930	2,550,000
2016	10,160,000	-			10,160,000
2017		13,795,000			13,795,000
2021	6,487,954	1,462,046			7,950,000
Total	17,959,674	28,621,580	1,140,719	327,930	48,049,903

*The City and School will be issuing \$66,850,000 of bonds in April of 2022 which is not reflected in this schedule as all amounts are reported as of June 30, 2021.

**CITY OF SOUTH PORTLAND
SCHEDULE OF PRINCIPAL & INTEREST PAYMENTS
FISCAL YEAR 2022 TO FISCAL YEAR 2041**

	<u>MUNICIPAL</u>	<u>SCHOOL</u>	<u>SEWER</u>	<u>TIF</u>	<u>TOTAL</u>
2022	1,569,156	4,110,955	95,416	120,600	5,896,127
2023	1,519,342	3,418,456	95,193	120,199	5,153,190
2024	1,468,038	3,282,899	94,970	119,797	4,965,704
2025	1,529,216	2,840,382	94,747	-	4,464,345
2026	1,484,259	2,758,288	94,524	-	4,337,071
2027	1,439,305	2,676,193	94,301	-	4,209,799
2028	1,397,524	2,586,999	94,078	-	4,078,601
2029	1,358,918	2,506,380	93,855	-	3,959,153
2030	1,323,485	2,479,309	78,725	-	3,881,519
2031	1,291,229	2,199,862	64,951	-	3,556,042
2032	1,131,805	2,136,964	64,728	-	3,333,497
2033	1,112,772	2,076,207	64,505	-	3,253,484
2034	1,093,341	537,950	64,282	-	1,695,573
2035	1,073,514	82,193	64,059	-	1,219,766
2036	1,053,290	80,736	63,836	-	1,197,862
2037	923,359	79,279	-	-	1,002,638
2038	275,278	77,822	-	-	353,100
2039	270,135	76,365	-	-	346,500
2040	268,342	71,558	-	-	339,900
2041	263,133	70,167	-	-	333,300
	21,845,441	34,148,964	1,222,169	360,596	57,577,170

SOUTH PORTLAND OUTSTANDING GENERAL FUND DEBT

MUNICIPAL MUNICIPAL MUNICIPAL SCHOOL SCHOOL SCHOOL

	PRINCIPAL	INTEREST	TOTAL P & I	PRINCIPAL	INTEREST	TOTAL P & I
2022	1,024,664	544,492	1,569,156	3,206,847	904,108	4,110,955
2023	1,026,121	493,221	1,519,342	2,600,390	818,066	3,418,456
2024	1,026,122	441,916	1,468,038	2,550,390	732,509	3,282,899
2025	1,135,431	393,785	1,529,216	2,198,879	641,503	2,840,382
2026	1,135,431	348,828	1,484,259	2,198,879	559,409	2,758,288
2027	1,135,432	303,873	1,439,305	2,198,878	477,315	2,676,193
2028	1,135,432	262,092	1,397,524	2,193,878	393,121	2,586,999
2029	1,135,432	223,486	1,358,918	2,188,878	317,502	2,506,380
2030	1,135,431	188,054	1,323,485	2,228,879	250,430	2,479,309
2031	1,135,431	155,798	1,291,229	2,013,879	185,983	2,199,862
2032	1,001,453	130,352	1,131,805	2,012,857	124,107	2,136,964
2033	1,001,453	111,319	1,112,772	2,012,857	63,350	2,076,207
2034	1,001,453	91,888	1,093,341	512,857	25,093	537,950
2035	1,001,453	72,061	1,073,514	72,857	9,336	82,193
2036	1,001,453	51,837	1,053,290	72,857	7,879	80,736
2037	892,143	31,216	923,359	72,857	6,422	79,279
2038	257,143	18,135	275,278	72,857	4,965	77,822
2039	257,143	12,992	270,135	72,857	3,508	76,365
2040	260,526	7,816	268,342	69,474	2,084	71,558
2041	260,527	2,606	263,133	69,473	694	70,167
	17,959,674	3,885,767	21,845,441	28,621,580	5,527,384	34,148,964

SOUTH PORTLAND SEWER USER FUND**SOUTH PORTLAND TIF FUNDS**

	TREATMENT/ SEWER PRINCIPAL	TREATMENT/ SEWER INT & FEES	TREATMENT/ SEWER TOTAL P & I	TIF PRINCIPAL	TIF INT & FEES	TIF TOTAL P & I
2022	87,792	7,624	95,416	109,310	11,290	120,600
2023	87,792	7,401	95,193	109,310	10,889	120,199
2024	87,792	7,178	94,970	109,310	10,487	119,797
2025	87,792	6,955	94,747	-	-	-
2026	87,792	6,732	94,524	-	-	-
2027	87,792	6,508	94,301	-	-	-
2028	87,792	6,285	94,078	-	-	-
2029	87,792	6,062	93,855	-	-	-
2030	74,241	4,484	78,725	-	-	-
2031	60,690	4,261	64,951	-	-	-
2032	60,690	4,038	64,728	-	-	-
2033	60,690	3,815	64,505	-	-	-
2034	60,690	3,592	64,282	-	-	-
2035	60,690	3,369	64,059	-	-	-
2036	60,690	3,146	63,836	-	-	-
2037	-	-	-	-	-	-
2038	-	-	-	-	-	-
2039	-	-	-	-	-	-
2040	-	-	-	-	-	-
2041	-	-	-	-	-	-
	1,140,719	81,450	1,222,169	327,930	32,666	360,596

* It is anticipated that the TIF debt will be funded by the general fund budget starting in FY2025.

Buildings as of March 3, 2022

ID	Dept	Location	Bldg Value	Contents Value	Date Acquired
6	56	496 OCEAN ST., SIMON HAMLIN ELEMENTARY	\$5,287,667.00	\$120,000.00	
23	59	25 COTTAGE RD, MUNICIPAL BLDG	\$1,160,000.00	\$235,000.00	
22	59	24 MOSHER STREET, HUTCHINS SCHOOL	\$675,000.00	\$60,000.00	
16	59	29 MACARTHUR CIR., REDBANK ELEMENTARY	\$3,100,000.00	\$0.00	
153	59	CITY HALL ENTRANCE SIGN	\$7,800.00		7/19/12
194	63	POLICE STORAGE SHELTER	\$18,850.00		12/16/15
108	63	30 ANTHOINE STREET, POLICE TOWER	\$45,000.00		
193	63	30 ANTHOINE STREET, 32.8 WIDE X 30" RUBB THA SHELTER 11" SIDE WALLS	\$18,850.00		12/7/2015
97	63	30 ANTHOINE ST. DISPATCH FACILITY	\$1,600,000.00	\$125,000.00	
32	63	30 ANTHOINE ST, POLICE STATION	\$800,000.00	\$145,000.00	
33	63	REAR ANTHOINE ST, POLICE	\$75,000.00	\$40,000.00	
149	64	TELECOMMUNICATIONS TOWER:34 JAMES A BAKA DRIVE	\$27,950.00		12/13/12
145	64	20 PILLSBURY STREET. BUILDING	\$179,300.00		9/26/12
150	64	COMMUNICATIONS TOWER,34 JAMES A BAKA DRIVE WESTERN AVE WEST END FIRE	\$39,800.00		12/13/12
154	64	WEST END TELECOMMUNICATIONS TOWER	\$72,788.48		12/13/12
31	64	684 REAR BROADWAY, FIRE HOSE TOWER	\$75,000.00		
28	64	15 UNION ST., FIRE STATION #6	\$105,000.00	\$20,000.00	
29	64	360 MAIN ST., FIRE STATION	\$792,965.00	\$90,000.00	
27	64	684 BROADWAY CENTRAL FIRE STATION	\$1,350,000.00	\$220,000.00	
111	64	34 CROSSING DR FIRE STATION (WEST END)	\$1,916,065.00	\$40,000.00	12/05/2003
106	64	360 MAIN STREET, TOWER FIRE	\$18,000.00		
185	64	WILLARD STATION, 20 PILLSBURY ST - FA#98030101852	\$475,000.00		01/01/1920
139	64	360 MAIN STREET	\$58,672.00		
26	66	513 BROADWAY, ELECT BLDG	\$65,000.00	\$43,900.00	
25	66	41 THOMAS ST., ASSESSING BUILDING	\$130,651.00	\$38,000.00	
62	71	42 O'NEILL STREET, STORAGE	\$110,000.00	\$60,000.00	
179	72	929 HIGHLAND AVENUE, CRANE	\$124,785.49		
175	72	929 HIGHLAND AVE, LAND PREPARATION	\$567,700.00		08/18/2017
63	72	42 O'NEIL STREET, GARAGE	\$48,000.00	\$2,500.00	
64	72	42 O'NEIL STREET, 4 BAY GARAGE	\$115,466.00	\$255,000.00	
143	72	933 HIGHLAND AVENUE, LAND	\$76,800.00		01/04/2013
44	72	929 HIGHLAND AVE, TRANSFER STATION	\$53,000.00		12/30/15
178	72	TRANSFER STATION LAND	\$1,070,552.75		12302015

Buildings as of March 3, 2022

ID	Dept	Location	Bldg Value	Contents Value	Date Acquired
177	72	929 HIGHLAND AVE, TRNSFR ST SECURITY SYSTEM	\$22,697.58		08/30/2017
67	72	42 O'NEIL STREET, PLOW GARAGE	\$30,000.00	\$5,000.00	
68	72	42 O'NEILL STREET, OFFICE & GARAGE	\$925,000.00	\$640,000.00	
107	72	42 O'NEILL STREET, PW TOWER	\$30,000.00		
182	72	TRANSFER STATION SWAP SHOP, 929 HIGHLAND AVENUE	\$129,625.74	\$1,500.00	12/30/2015
69	72	42 O'NEIL STREET, 5 BAY GARAGE	\$100,000.00	\$85,000.00	
70	72	42 O'NEIL STREET, EMPLOYEE BLDG 11	\$90,000.00	\$95,000.00	
66	72	42 O'NEIL STREET, SALT SHED	\$98,000.00	\$1,800.00	
167	72	929 HIGHLAND AVE, COLD STORAGE BLDG	\$292,500.00		
170	72	929 HIGHLAND AVE, MUNICIPAL SERVICE BLDG	\$11,481,179.26		
169	72	929 HIGHLAND AVE, GREENHOUSE	\$120,000.00		
65	72	42 O'NEIL STREET, OLD SALT SHED/STORAGE	\$53,500.00		
168	72	929 HIGHLAND AVE, FUEL ISLAND	\$50,000.00		
171	72	929 HIGHLAND AVE, SALT SHED	\$728,000.00		
104	75	1142 HIGHLAND AVE BUS MAINTENANCE BUILDING	\$2,100,000.00	\$45,000.00	
8	75	37 HIGHLAND AVE., FRANK BROWN ELEMENTARY	\$3,200,000.00	\$150,000.00	
5	75	637 HIGHLAND AVE., HS HEATING PL	\$380,000.00	\$275,000.00	
9	75	120 WESCOTT RD., MEMORIAL JR HIGH	\$10,200,000.00	\$450,000.00	
152	75	PLAYSHAPER WITH SANDBOX AT KALER PRESCHOOL	\$10,710.00		5/14/13
4	75	52 ALFRED ST., HELENA DYER ELEMENTARY	\$3,540,000.00	\$190,000.00	
3	75	180 WESTCOTT RD., SKILLIN SCHOOL	\$5,008,088.00	\$224,000.00	
10	75	240 OCEAN ST., MAHONEY JR HIGH	\$8,897,454.00	\$400,000.00	
172	75	SOUTH PORTLAND HIGH SCHOOL, 637 HIGHLAND AVENUE		\$15,176.00	01/30/2018
17	75	165 SOUTH KELSEY ST., JAMES OTIS KALER ELEMENTARY	\$4,409,850.00	\$300,000.00	
11	75	637 HIGHLAND AVE., HIGH SCHOOL	\$19,500,000.00	\$1,100,000.00	
14	75	87 THOMPSON ST., DORA SMALL ELEMENTARY	\$4,357,933.50	\$450,373.00	
129	75	HIGH SCHOOL GYMNASIUM-BLEACHERS	\$128,502.00		
130	75	SKILLIN SCHOOL-SKYLIGHT ABOVE LIBRARY	\$14,925.00		
132	75	87 THOMPSON ST., SMALL ELEM PORTABLE CLASSROOM	\$65,000.00		08/19/11
133	75	16X20 SHED W STEEL DOOR, SPHS	\$6,990.00		06/07/10
12	75	25 NELSON RD., TRANSPORTATION OFFICE	\$150,066.00	\$17,000.00	
13	75	637 HIGHLAND AVE., ATHLETIC STORAGE	\$25,000.00	\$12,500.00	
75	76	482 BROADWAY, PUBLIC LIBRARY	\$2,059,512.00	\$2,450,000.00	

Buildings as of March 3, 2022

ID	Dept	Location	Bldg Value	Contents Value	Date Acquired
76	77	2 BUG LIGHT PARK, LIGHTHOUSE	\$75,000.00		
78	77	21 NELSON RD., SWIMMING BLDG	\$2,200,000.00	\$185,000.00	
81	77	33 PITT ST., PARKS & REC	\$375,000.00	\$120,000.00	
74	77	155 WESTCOTT ROAD, LIBRARY & PRO SHOP	\$350,000.00	\$360,000.00	
148	77	MILL CREEK PARK:FOUNTAIN	\$7,684.68		7/11/12
115	77	125 GARY L MAIETTA PKWY-WAINWRIGHT BLDG	\$350,763.00	\$5,000.00	01/01/02
118	77	NE CORNER E ST / WATERMAN, PLAYSCAPE	\$35,705.00		
186	77	WILKINSON PARK, PORTABLE SHELTER PARKS	\$52,812.00		
183	77	PLAYSCAPE, WILLARD BEACH	\$24,322.00		09/25/02
124	77	OIL FURNACE COX MODEL SO400, PARKS	\$12,450.00		08/27/2007
176	77	26 WESTBROOK ST, PLAYSCAPE	\$55,886.00		08/22/2017
159	77	DUGOUTS (2) AT WAINWRIGHT	\$20,531.75		5/28/14
187	77	CHAIN LINK FENCE & GATES	\$122,937.00		
151	77	WILKINSON PARK SWING SET	\$9,208.00		5/14/13
184	77	PLAYSCAPE, WILLARD SCHOOL PARK	\$39,539.00		11/01/08
84	77	225 WESTBROOK ST., GOLF COURSE	\$55,000.00	\$60,000.00	
147	77	MILL CREEK PARK:IRON GATE ENTRANCE WITH STONE PILLARS	\$59,379.00		10/26/12
146	77	PORTABLE SKATE SHELTER BUILDING	\$50,000.00		10/30/12
144	77	ALUMINUM ARCH STYLE WALKWAY BRIDGE W/CEDAR DECKING	\$8,124.90		07/01/2012
141	77	2 BUG LIGHT PARK	\$300,000.00		
131	77	MILL CREEK PARK GAZEBO	\$65,000.00		08/11/10
127	77	CONCESSION STAND/STORAGE BLDG-WILKINSON PARK	\$75,000.00		12/16/08
156	77	REDBANK BLDG 586 WESTBROOK STREET,	\$32,670.00		
87	77	1 FISHERMAN LANE, WILLARD BATH HSE	\$110,000.00	\$8,000.00	
90	77	1 BUG LIGHT PARK, FLOATS ON RAMP	\$45,000.00		
88	77	1 SPRING POINT MARINA	\$917,617.00		
98	77	29 MACARTHUR CIR. REDBANK REC CTR	\$1,400,000.00	\$30,000.00	
195	77	BOILER REPLACEMENT AT COMM CTR - POOL	\$43,820.00		100121
105	77	21 NELSON ROAD, COMM REC FACILITY	\$5,200,000.00	\$440,000.00	
109	77	DEAKE STREET - FISHING SHACK	\$700.00		
110	77	DEAKE STREET - FISHING SHACK	\$900.00		
136	80	20'X30' BUS STOP SHELTER	\$9,970.00		
73	80	42 O'NEIL ST, BUS GARAGE/TRANS B	\$375,000.00	\$40,000.00	12/22/10
192	80	GALLERY BLVD. WALMART BUS SHELTER	\$5,200.00		3/08/09

Buildings as of March 3, 2022

ID	Dept	Location	Bldg Value	Contents Value	Date Acquired
191	80	BRICK HILL ROAD, BUS SHELTER	\$5,200.00		09/22/16
155	80	TRANSIT HUB BLDG, 49 THOMAS ST	\$350,000.00		02/19/14
180	80	929 HIGHLAND AVENUE, VEHICLE BAY WASH	\$289,612.61		
72	80	42 O'NEIL ST., BUS OFFICE #12	\$45,500.00	\$24,000.00	
71	80	BUS STOP SHELTERS (6)	\$31,200.00		
		MAIN ST/WILSON:MAIN			
173	80	ST/FROSWICK:EVANS/NELSON RD:GALLERY BLVD SCARBOROUGH- BOB'S DISCOUNT FURNITURE	\$24,447.80		08/16/2017
164	80	3 DEAK STREET, FISHING SHACKS (2)	\$15,000.00		
86	81	1 PORTLAND ST., FLOATS AT PIER	\$56,000.00		
138	81	THOMAS KNIGHT PARK PIER	\$60,000.00		
42	81	513 BROADWAY, -CONTROL BLDG	\$83,880.00		
122	81	1 OCEAN AVENUE-Wharf-TKP	\$500,000.00		
83	81	1 PORTLAND ST., PIER	\$290,000.00		
142	81	MADISON ST PIER & FLOATS	\$3,000.00		
163	86	PUMP STATION, 1 FORT ROAD SMCC	\$210,000.00		
165	86	PUMP STATION, 149 FRONT STREET	\$20,000.00		
162	86	PUMP STATION, 29 CHECKERBERRY CIR	\$100,000.00		
190	86				
161	86	PUMP STATION, 117 SNOWBERRY DR	\$100,000.00		
160	86	PUMP STATION, 4 LOVIETT'S FIELD RD	\$50,000.00		
59	86	PUMP STATION, 7 CUSHING CT	\$80,000.00		
41	86	PUMP STATION, 23 ELM ST	\$35,000.00		
52	86	PUMP STATION, 152 FRONT ST	\$1,300,000.00		
53	86	PUMP STATION, 2 B STREET	\$90,000.00		
54	86	1144 HIGHLAND AVE SEWER MAINT GARAGE	\$145,000.00	\$25,000.00	
55	86	PUMP STATION, 350 SOUTHBOROUGH	\$170,000.00		
50	86	PUMP STATION, 35 BUG LIGHT PARK	\$110,000.00		
58	86	PUMP STATION, 1 MAIN STREET	\$250,000.00		
49	86	PUMP STATION, 16 MECHANIC ST	\$290,000.00		
60	86	PUMP STATION, 301 HIGH ST	\$340,000.00		
61	86	PUMP STATION, 310 GANNET DRIVE	\$175,000.00		
114	86	PUMP STATION, 445 WESTERN AVENUE	\$50,000.00		
113	86	PUMP STATION, 110 CRESTVIEW DR	\$24,000.00		
94	86	PUMP STATION, 155 WESCOTT RD	\$45,000.00		
56	86	PUMP STATION, 1 PEARL ST	\$1,675,000.00		
95	86	PUMP STATION, 46 APPLE TREE DRIVE	\$65,000.00		
34	86	PUMP STATION, 100 JOHN ROBERTS RD	\$80,000.00		
35	86	PUMP STATION, 44 WINDING WAY	\$80,000.00		

Buildings as of March 3, 2022

ID	Dept	Location	Bldg Value	Contents Value	Date Acquired
36	86	PUMP STATION II, 463 WESTBROOK ST	\$518,882.00		
37	86	PUMP STATION, 6 E ST	\$75,000.00		
38	86	PUMP STATION, 0 BENJAMIN W PICKETT ST	\$210,000.00		
51	86	PUMP STATION, 463 WESTBROOK ST	\$420,783.00		
40	86	111 WATERMAN DR., TREATMENT PLNT	\$38,500,000.00	\$8,660,785.00	
125	86	PUMP STATION, 0 HIGHLAND AVE SMITH & LOVELESS	\$145,000.00	\$30,000.00	12/17/2007
43	86	PUMP STATION, 257 WESTERN AVE	\$75,000.00		
123	86	WTR RSRC PROT COMPLEX, 1142C HIGHLAND AVE	\$167,640.00	\$10,000.00	09/26/2007
45	86	PUMP STATION, 1 PEARL ST #6	\$45,000.00		
46	86	PUMP STATION, 3 BAY RD	\$122,000.00		
47	86	PUMP STATION, 11 FISHERMAN LANE	\$1,650,000.00		
48	86	PUMP STATION, 1 FORT ROAD	\$290,000.00		
39	86	PUMP STATION, 121 STILLMAN ST	\$75,000.00		
140		1 PORTLAND STREET	\$34,500.00		
137					
126		RIDGELAND AVE, PLAYSCAPE EQUIPMENT	\$15,000.00		
188		17 WATERMAN DRIVE, SEASONAL FLOATS	\$60,000.00		

Equipment List as of March 3, 2022

Id	Asset #	Yr	Make	Model	Dept	Replace Value	Acquired
	201208510000000			SERVICE MONUMENT @ MILL CREEK PARK	51	32712.19	8/26/2011
			JVC	JVC FIELD CAMERA/CAMCORDER	51	2317.3	8/16/2013
			JVC	JVC FIELD CAMERA/CAMCORDER	51	2355.8	5/27/2013
			JVC	JVC FIELD CAMERA/CAMCORDER	51	2617.8	11/27/2012
	202110510000000			TEMPERATURE SCANNER KIOSKS (23)	51	48100	10/19/2020
	201301510000000	2013	ELEMENTAL L152	FANCY ENCODER & WEB STREAMING DEVICE	51	25470	1/23/2013
	< \$10K			PORTABLE SOUND SYSTEM	51	6208.1	4/6/2012
S-01 01272042	n/a <\$10k>		SONY	PTZ CAMERA SPCTV	51	4157.03	12/30/2011
V47A02502, V47A02506, V47A02532, V47A02537, V47A02540	201911510000000		LUMENS	HD PTZ CAMERAS (5) - SECURITY CAMERA SYSTEM UPGRADE@COUNCIL CHAMBERS	51	13149.39	11/30/2018
S01-0126665-C,S01-0126671-9, S01-0126623-6, S01-0126720-4	201212510000000	2012	SONY	PTZ SECURITY CAMERA SYSTEM COUNCIL CHAMBERS	51	17543.96	12/14/2011
				(4) EXPRESSVOTE VOTING EQUIPMENT	52	14000	5/12/2016
				VOTING TABULATION EQUIPMENT RENTAL (10)	52	69700	12/15/2015
CN1911G005	202201550000000	2022	HEWLETT PACKARD	HD PRO 2 42" SCANNER PLOTTER PRINTED	55	21945	1/31/2022
	n/a <\$10K>		ADDED TO BLDG VALUE	NATURAL GAS BURNER-HAMLIN	56	9856	12/20/2011
T4500323	201712560000000			GRIDSMArt VIDEO DETECTION SYSTEM	56	26340	12/29/2016
	202012590000000		CATERPILLAR	STANDBY GENERATOR FOR CITY HALL	59	61850	12/18/2019
	201907630000000			EQUIPMENT FOR 2018 CHEVY TAHOE VIN#327373	63	11559.3	7/3/2018
	n/a <\$10K			2 UNDERWATER CAMERAS	63	3600	7/31/2014
1H9TED061026409004	n/a <\$10k	2002	HAMILTON	SPORT TRAILER`	63	2550	5/1/2002
	n/a <\$10K			4 PROTECTIVE DRY SUITS	63	12940	7/31/2014
		2000	HOMEMADE	BLACK MOTORCYCLE TRAILER	63		
5220236	n/a <\$10k	2006	ATN	NIGHT VISION MONOCULAR	63	1595	12/19/2006
5324127	n/a <\$10k	2006	ATN	NIGHT VISION MONOCULAR	63	1595	12/19/2006

Equipment List as of March 3, 2022

Id	Asset #	Yr	Make	Model	Dept	Replace Value	Acquired
	201804630000000			OFFICE FURNITURE FOR POLICE ADMIN OFFICES	63	14225	4/23/2018
5324202	n/a <\$10k	2006	ATN	NIGHT VISION MONOCULAR	63	1595	12/19/2006
5332276	n/a <\$10k	2006	ATN	NIGHT VISION MONOCULAR	63	1595	12/19/2006
0026413	200712630000000	2006	TACTICAL ELECTRONICS	PCSS1-POLE CAMERA & SEARCH SYSTEM	63	14400	12/19/2006
	n/a <\$10K			8 IN CAR CAMERAS	63	48748	7/31/2014
TN6172	202009630000000		TRU-NARC	NARCOTIC ANALYZER	63	29916	9/10/2019
186	98030100012	2001	Z-TRON	POLICE ROBOT	63	29250	11/7/2001
	201302630000000			ELECTRONIC MESSAGE SIGN 48X144	63	21291	2/11/2013
	201106630000000			AUTOMATED LICENSE PLATE READERS (2)	63	16898	6/16/2011
	201001630000000			AUTOMATED LICENSE PLATE READER	63	18495	1/22/2010
	201102630000000		MOTOROLA	RADIOS COMMUNICATION EQUIPMENT	63	324548.58	2/28/2011
	201106630000001			AUTOMATED PARKING TICKET CITATION SOFTWARE SYSTEM	63	26386	6/15/2011
CREED	n/a <\$10K			K-9 CREED BORN 1/26/17 BELGIAN MALINOIS	63	5500	1/11/2018
5972			HS PRECISION PRO SERIES	2000 HTR .308-CA TACTICAL RIFLE	63	2481	9/18/2007
	201407630000000			DIGITAL VEHICLE REPEATER SYSTEM	63	16185.69	7/18/2013
24972520030430	202006630000001		SPEEDALERT	24 RADAR MESSAGE SIGN	63	16600	6/30/2020
24972520030530	202006630000002		SPEEDALERT	24 RADAR MESSAGE SIGN	63	16600	6/30/2020
200778686	n/a <\$10K		STEALTH	STAT TRACKERS	63	5000	8/3/2020
200778306	n/a <\$10K		STEALTH	STAT TRACKERS	63	5000	8/3/2020
	n/a <10K			WESTERN AVENUE TOWER ANTENNAL SYSTEMS-POLICE	63	5079.09	8/31/2013
	202109630000001		MOTOROLA	(16) APX 8000 PORTABLE MOBILE RADIOS	63	110086.24	9/25/2020
	202110630000000			RESCUE PHONE QUAD CRISIS MODULE & VIDEO COMMAND SYSTEM	63	19690	10/2/2020
	202109630000000		NOPTIC NV3	CAMERAS (11) - NIGHTVISION OPTICAL THERMAL IMAGING CAMERAS	63	44550	9/2/2020
	202112630000000		APX 8000 (5) PORTABLE RADIOS	APX 8000 (5) ALL BAND PORTABLE RADIOS	63	37359.5	12/28/2020

Equipment List as of March 3, 2022

Id	Asset #	Yr	Make	Model	Dept	Replace Value	Acquired
TRIGGER	n/a <\$10k>		GERMAN SHEPHERD K-9	TRIGGER BORN 9/26/11 GERMAN SHEPHERD	63	5000	4/11/2013
2199D & 2200D	201305630000000		SABLE GERMAN SHEPHERD	K-9 "ZAK" BORN 9/21/12 MALE	63	5500	1/17/2014
DVR2-	201305630000000		FLIR	27 IN-LINE NIGHT OBSERVATION SCOPE - 2 GUNS SWAT TEAM	63	19276	5/3/2013
004302,004548,004549, 004610,004617,004632, 004656,004542	2013046300000002		HD DVR	POLICE VEHICLE CAMERAS-DVR (8)	63	54940	4/22/2013
	2013116300000001		AVATAR II	ROBOT	63	12939.55	11/9/2012
	n/a <\$10k		AVATAR	PAN-TILT ZOOM CAMERA	63	4530	2/14/2014
EBT1719P575420	202008630000000			AUTOMATED LICENSE PLATE READER	63	13360	8/29/2019
	n/a < \$10k			LIFT FOR PD GARAGE	63	5265	8/16/2011
	2020096300000001		LEICA	TS07 7" R500 TOTAL PACKAGE WITH ARCHER & E-V11 SOFTWARE	63	12080	9/1/2019
681CWB2045- 681CWB2062	202001630000000		APX8500	21 ALL BAND MP MOBILE RADIOS POLICE COMM EQUIPMENT	63	109118.07	1/28/2020
			AD ULTRA 8 EXT PTZ	COLOR DAY/NIGHT CAMERA W/35X ZOOM FOR CASH CORNER	64	4728.52	1/30/2008
	201412640000000		SIMPLEAIR	COMPRESSOR 6000 PSI	64	21883	12/2/2013
	200907640000000			CASH CORNER RADIO TOWER	64	20000	7/1/2008
	201403640000000			VEHICLE REPEATER FOR INTEROPERABILITY	64	11996.63	3/5/2014
110940808	N/A <\$10k		ALCO-LITE	TEL-3-40P TRUSS 3 SECTION LADDER FOR #2 FIRE TRUCK	64	2045	1/4/2008
	201512640000000		STAIR PRO	6252 STAIR CHAIR	64	2765.85	9/29/2011
				AMBULANCE STRETCHER	64	15734.98	12/29/2014
			PTZ	ETHERNET VIDEO/RECEIVER TRANSMITTER FOR PTZ CAMERA-CASH CORNER	64	2190	1/29/2008
067756537533447	N/A <\$10K		GAMMARAE	WIRELESS GAMMARAE II RADIATION DETECTOR	64	3794	4/20/2011
B0-90087-E13	n/a < \$10k			THERMAL IMAGING CAMERA MODEL MSA EVOLUTION 5800	64	9926.97	5/24/2013

Equipment List as of March 3, 2022

Id	Asset #	Yr	Make	Model	Dept	Replace Value	Acquired
39887021	2012086400000001	2012	LIFEPAK 15	LIFEPAK 15 CARDIAC MONITOR/DEFIBRILLATOR	64	38266.5	8/25/2011
M21KTM9PW1 N	n/a < \$10k			RADIO FOR NEW AMBULANCE	64	6060.96	11/22/2013
55-004413:KS-015462	n/a < \$10k			MEDVAULT & KEY SECURE FOR NEW AMBULANCE	64	1776	3/13/2014
	2012026400000000			SECURITY CAMERA SYSTEM FOR BUFFER ZONE	64	128752.69	2/28/2012
	n/a < \$10K			SNOW PLOW BLADE	64	5124.24	9/27/2013
	n/a < \$10K			WESTERN AVENUE TOWER ANTENNA SYSTEMS-FIRE	64	8767.89	8/31/2013
1Z6E51330368450853	2011046400000000		CHEMRAE	PORTABLE CHEMICAL WARFARE AGENT DETECTOR	64	14364	4/18/2011
	n/a < \$10K		CARBOX HEMOGLOBIN METERS	2 CARBOX HEMOGLOBIN METERS FOR HAZMAT	64	10007.49	1/29/2014
	n/a < \$10K		KUBOTA	GENERATOR AT FIRE STATION ON BROADWAY	64	7395	12/18/2015
VKNFR2461212	2013116400000000			EMERGENCY RESPONSE MARINE VESSEL BOAT	64	73943	11/1/2012
39887020	2012086400000000	2012	LIFEPAK 15	LIFEPAK 15 CARDIAC MONITOR/DEFIBRILLATOR	64	38266.5	8/25/2011
	2017086400000000	2017	SPREADER	WITH BATTERY CHARGER	64	11414	8/25/2016
	2017096400000000	2017	CUTTER	WITH BATTERY CHARGER	64	11127	9/20/2016
16MPF0517ED070215	2014056400000000			TERMINATOR II WITH 2000 GPM	64	35975	5/9/2014
	<\$10K N/A	2012	ROLLNRACK POWER ROLLER	ROLL N RACK PWER ROLLER W 5" COUPLING JAWS	64	6248	9/4/2012
45853018	2017056400000000		DEFIBRILLATOR	DEFIBRILLATOR	64	34861.72	5/30/2017
48349130	2019066400000002		LIFE PAK 15	DEFIBRILLATOR CARDIAC MONITOR	64	32130.62	6/24/2019
	n/a < \$10k		AREARAE	PORTABLE AREARAE MULTIGAS WIRELESS MONITOR	64	5206	10/20/2014
160533		2007	nukeALERT II	1703GN GAMMA NEUTRON PAGER	64	2495	4/10/2007
4JAUS10156G112552	n/a < \$10k	2006	PEQUEA	TRAILOR	64	1300	12/20/2005
158.012.086	n/a < \$10k	2006	HOLMATRO	TWIN-LINE HYDRAULIC CUTTER	64	4700	10/31/2006
	2005076400000000	2004		SIMPLE AIR COMPRESSOR W/BASE/CYLINDERS/PANEL	64	26765	7/21/2004

Equipment List as of March 3, 2022

Id	Asset #	Yr	Make	Model	Dept	Replace Value	Acquired
16HPB1620LP000879	n/a <\$10k	2001	HAULMARK	P716BTE 16FT HAZMAT TRAILER	64	5000	1/1/2001
	n/a <\$10K			SLR 8000 BASE RADIO REPEATER AT CENTRAL FIRE	64	9275	7/2/2019
	202010640000001			SCOTT SAFETY X3PRO4.5 AIR PAKS (4) WITH VOICE AMPLIFIER	64	22507	10/16/2019
	n/a <\$10k	1991	ACHILLES	14' INFLATABLE WITH 25hp MOTOR	64	5000	1/1/1991
TORO	200407800000000	2003	ALM CORP	(2)WHEEL ENGAGING 18 VEHICLE LIFT SYSTEM	64	19695	7/2/2003
	202102640000000		AREARAE PRO MONITOR	AREARAE PRO MONITOR	64	15166	2/21/2021
115S0624005463	n/a <\$10k	2006	SCOTT AP-50-4.5 LESS	SCBA: AIR CYLINDER, FACE PIECE, AND PAK ALERT	64	2210	8/8/2006
115S0624007973	n/a <\$10k	2006	SCOTT AP-50-4.5 LESS	SCBA: AIR CYLINDER, FACE PIECE, AND PAK ALERT	64	2210	8/8/2006
502637	n/a <\$10k	2006	AREAREA MONITOR	GAS DETECTOR	64	6795	11/7/2006
474CHR0102			T5766A MTR2000	TWO-WAY RADIO BASE SET:T5766A MTR2000 STATION	64	5950	8/31/2007
	202002640000001		AREARAE	PRO MONITOR	64	15166	2/21/2020
	202112640000000		APX 6000 (2) & APX 8500 (1)	APX 6000 (2) PORTABLE RADIOS & APX 8500 (1) MOBILE RADIO	64	15373.01	12/29/2020
A0-2303-KG	n/a <\$10k	2007	MINE SAFETY APPLIANCES CO	EVOLUTION 5200HD2 THERMAL IMAGING CAMERA	64	8500	12/11/2006
1Z6E51330358828929			AREARAE MONITOR	GAS DETECTOR MONITOR	64	6515.39	9/28/2007
86105321	201812640000000			OHD QUANTIFIT FIT TEST MACHINE	64	9693.5	12/29/2017
	201808640000000			PORTABLE ANALYZER	64	60730.73	10/17/2017
160536		2007	nukeALERT II	1703GN GAMMA NEUTRON PAGER	64	2495	4/10/2007
	202207640000000	2022	HOMATRO PENTHEON	COMBI TOOL GCT 5114 WITH BATTERY & CHARGER	64	9680	7/27/2021
160534		2007	nukeALERT II	1703GN GAMMA NEUTRON PAGER	64	2495	4/10/2007
	201305640000000		POWER PRO	AMBULANCE STRETCHER	64	14756.55	5/2/2013
160532		2007	nukeALERT II	1703GN GAMMA NEUTRON PAGER	64	2495	4/10/2007
1906012400085	202007640000000			MTS POWER LOAD AMBULANCE STRETCHER	64	23791.32	7/15/2019

Equipment List as of March 3, 2022

Id	Asset #	Yr	Make	Model	Dept	Replace Value	Acquired
115S0624007977	n/a <\$10k	2006	SCOTT AP-50-4.5 LESS	SCBA: AIR CYLINDER, FACE PIECE, AND PAK ALERT	64	2210	8/8/2006
34818646	200709640000001	2006	LIFE PAK	LP12 CARDIAC MONITOR/DEFIB	64	18745	9/7/2006
				STREET LIGHTS & SIGNS	66	500000	
	201805660000000			STREET LIGHTS & LED PILOT PROGRAM FIXTURES	66	224470.18	3/20/2018
62242120000N000011	n/a <\$10k	2001	NICHOLS	TRAILER #00011	72	2750	
18959	98030100020	1984	OWENS	TILT-TRAILER	72	16000	
5JPBU2329BP028191	<\$10K N/A	2011	CAM SUPERLINE	TAG-A-LONG 18" TRAILER	72	5895	5/10/2012
4R7BU1016CT114456	<\$10k N/A	2012	TOP HAT	5X10 UTILTIY TRAILER	72	1395	5/10/2012
	200804720000000		SWENSON EV100	SALT/SAND SPREADER HOPPER	72	26895	4/18/2008
ES4896-10-07	201108720000006	2010	EAGLE	SIDEWALK STREET PAVER	72	48300	8/25/2010
44246	201102720000000	2011	TENCO TCS-172LMM	SNOW BLOWER	72	104325	2/7/2011
16VEX182272345305	N/A < \$10k	2006		18' TILT TRAILER	72	5500	10/3/2006
	N/A <\$10K	2008	MILLER	MC550 CURB MACHINE WITH KOHLER 15 HP	72	7000	10/20/2008
5600015	200508720000000	2005	WACKER	RD11A	72	11279	8/16/2005
	201211720000007	2012		HVAC GAS FIRED BOILER FURNACE	72	56350	11/29/2011
L365		1999	TRACKLESS	SNOWBLOWER	72	2504	1/1/1999
3449X268	n/a <\$10k	1999	LERO	AIR COMPRESSOR	72	9985	1/28/1999
1002000-18	n/a <\$10k	2006		5000gal HIGH DENSITY POLY TANK	72	4000	10/20/2006
65H04573	n/a <\$10k	2001		60" GRAPPLE BUCKET	72	1858	1/10/2001
J12176	n/a <\$10k	1997		POWER CURBER	72	8000	6/23/1997
8856LMT17210066TW	98030100054	1997	TENCO	SNOWBLOWER FOR 624G LOADER	72	48500	2/24/1977
5JW5U2221A1034594	<\$10K	2010	SURE	ST7918 20' 6 TON FLAT TILT TRAILER (PO#20110483)	72	5495	7/28/2010
1S9TF1326WB088572	n/a <\$10k	1999	STOW	T3000 TRAILER	72	2480	2/11/1999
5410892	200408720000001	2003	WACKER	ONE TON ROLLER	72	10400	8/8/2003
783735637	n/a <\$10K	2015	BOBCAT	6707837 72" SWEEPER	72	4235	10/19/2015
0290053	n/a <\$10K		TITAN	POWRLINER 6955 LINE STRIPER	72	8341.75	7/8/2021
	201811720000001			SHELVING @ PW COMPLEX FACILITY - PUBLIC WORKS	72	32306	11/1/2017

Equipment List as of March 3, 2022

Id	Asset #	Yr	Make	Model	Dept	Replace Value	Acquired
	201811720000000			OFFICE FURNITURE @ PW COMPLEX FACILITY - PUBLIC WORKS	72	27007.13	11/13/2017
VIN#11361	n/a <\$10K	2022	DISCOVERY CARGO	DMA712SAE TRAILER	72	7499	6/9/2021
1603068SXD4MI-12228	201603720000000	2016	AVATAX	2 TON DIESEL ASPHALT HOT BOX	72	14900	3/31/2016
T190603658	202010720000004		CRAIG	PLOW FOR 2019 WHEEL LOADER VIN#47264	72	49814	10/2/2019
231612492	200506720000013	2005	BOBCAT	18' SMOOTH CUT PLANER	72	10082.35	4/12/2005
	n/a <\$10K		TITAN	POWRLINER 6955 HYDRAULIC LINE STRIPER	72	8341.75	7/8/2021
	202107720000004		ST1085 EBRIGHT	3FWA 24V EBRIGHT SET OF 6 VEHICLE LIFTS	72	66179.81	7/22/2020
608644,608639,608646,608648	201801720000000		STERTIL KONI	GARAGE BAY VEHICLE LIFTS AT PWF FOR PW - EARTH LIFTS ST1085	72	37911	1/10/2018
	201809720000009			ACCESS CONTROL SECURITY SYSTEM @ NEW PWF - PUBLIC WORKS	72	26784.22	9/25/2017
	201808720000005			CRANE	72	124785.49	8/28/2017
	201808720000010			NETWORK & PHONES PUBLIC WORKS COMPLEX	72	21619.97	8/30/2018
	201809720000006			NETWORK, COMPUTER WIRING AT PW COMPLEX	72	25680	9/15/2017
	201809720000008			SECURITY CAMERAS @ NEW PWF - PUBLIC WORKS	72	30984.58	9/25/2017
VIN#36695	n/a <\$10K	2021	RICE	FMEHR8220 TRAILER	72	7299	6/9/2021
	201806720000001		DATA TRANSFER SOLUTIONS	VUEWORKS SOFTWARE LICENSE	72	25000	6/16/2018
608650,608655,608652,608653	201801720000000		STERTIL KONI	GARAGE BAY VEHICLE LIFTS (2) FOR PW GARAGE @ PW FACILITY-EARTH LIFTS ST1085	72	37911	1/10/2018
C3786	202101720000000		TOYOTA	8FGU25 FORK LIFT TRUCK	72	33577	1/8/2021
	n/a <\$10k		AUTOSCRUBBER	AUTOSCRUBBER	75	5195	7/1/2014
	n/a <\$10k		TAILGATE SPREADER	TAILGATE SPREADER	75	2315	7/1/2014
		1990	WILLIAM THON	PAINTING	75	5000	
AW P0428971	200312750000000	2003	ALM CORP	LIFT	75	19125	12/27/2002

Equipment List as of March 3, 2022

Id	Asset #	Yr	Make	Model	Dept	Replace Value	Acquired
	n/a <\$10k		SQUARE SCRUB (18")	8 @ \$1800 - SQUARE SCRUB	75	14400	7/1/2014
	n/a <\$10k		AUTOSCRUBBER	AUTOSCRUBBER	75	3507	7/1/2014
	n/a <\$10k		AUTOSCRUBBER	AUTOSCRUBBER	75	2895	7/1/2014
B933998354	98030101449	1992	PROLINE	LAWN MOWER	75	11000	1/1/1992
	n/a <\$10k		AUTOSCRUBBER	AUTOSCRUBBER	75	5895	7/1/2014
	n/a <\$10k		AUTOSCRUBBER	AUTOSCRUBBER	75	2985	7/1/2014
	n/a <\$10k		AUTOSCRUBBER	AUTOSCRUBBER	75	5971	7/1/2014
VARIOUS	202007750000001			88 SMARTBOARDS - ACTIVPANEL TITANIUM 75" WITH PEN	75	343816	7/31/2019
VARIOUS	202008750000000			81 CONVERTIBLE MOBILE STANDS FOR SMART BOARDS	75	144342	8/2/2019
65431	n/a <\$10k	2009	GENIE	LIFT AWP225	75	5500	7/1/2009
	n/a <\$10k		XMARK	48" DECK ROPER MOWER	75	6899	7/1/2014
	n/a <\$10k	2011	GILLIG	(3) BUS CAMERA SYSTEMS	75	5739	7/1/2017
UN224281, UN224282, UN224528, UN224521	n/a <\$10k		STERTIL KONI	(4) HEAVY DUTY MOBILE COLUMN LIFT WIRELESS (\$7,747.75 EA)	75	30991	7/1/2017
UN230541, UN230547, U N230551, UN230552	n/a <\$10k		STERTIL KONI	(4) HEAVY DUTY MOBILE COLUMN LIFT WIRELESS (\$7,747.75 EA)	75	30991	7/1/2017
	n/a <\$10k		TORO	10200XE	75	1350	7/1/2014
	n/a <\$10k		PANTHER	AUTOSCRUBBER	75	6996	7/1/2014
4K8AX121321A87110		2002	BIG TEX	12FT SINGLE AXLE	75	1099	3/29/2002
10996489, 10996491, 10996490, 10996488	202110750000003		TOMCAT 20" WALK BEHIND	AUTOSCRUBBERS (4) SKILLIN 10996489, KALER 10996491, DYER 10996490, BROWN 10996488	75	28457.27	10/12/2020
	200908750000000			WHEELCHAIR LIFT, HANDICAP AT MAHONEY MIDDLE	75	29863	8/12/2008
	n/a <\$10k		PANTHER	AUTOSCRUBBER	75	4666	7/1/2014
				DUGOUTS/BLEACHERS @ MAHONEY/WAINWRIGHT-7 SETS @ \$1500 EA (4 ROWS)	75	10500	
	200902750000000			FOOTBALL SCOREBOARD-MARTIN FIELD-SPHS	75	17600	2/13/2009
10997206	202110750000002		TOMCAT	T350 20" STAND ON AUTOSCRUBBER	75	11168.71	10/12/2020
	n/a <\$10k		TORO	10200XE	75	1350	7/1/2014

Equipment List as of March 3, 2022

Id	Asset #	Yr	Make	Model	Dept	Replace Value	Acquired
	n/a <\$10k		FOCUS II BOOST AUTOSCRUBBER	FOCUS II BOOST - AUTOSCRUBBER	75	3776	7/1/2014
*11552	n/a <\$10K		UNKNOWN	SNOW UTILITY TRAILER	75	0	
	202008750100000			PLAYSCAPE FOR BROWN ELEM SCHOOL	75	12791.51	8/27/2019
				SMALL SCHOOL PAINTING CK#301459	75	4900	8/21/2009
	201101751400000			GAS FIRED DOMESTIC HOT WATER HEATER-SPHS KITCHEN	75	16952	1/4/2011
	201103751200001			BOILER REPLACEMENT AT MEMORIAL MIDDLE SCHOOL	75	280000	3/31/2011
	201704750100000			INTERCOM SYSTEM AT BROWN SCHOOL	75	18216.05	4/25/2017
	201311751400000			TELEPHONE SYSTEM UPGRADE - SCHOOL	75	207214.15	11/28/2012
	201103751200000			MEMORIAL SCHOOL SECURITY CAMERA SYSTEM	75	256316.59	3/18/2011
EM-03654E	201601760000000		ECOMASTER	DISC REPAIR MACHINE WITH BLU-RAY	76	12940	1/26/2016
	201811770000001			SHELVING @ PW COMPLEX FACILITY - PARKS	77	17947.78	11/1/2017
	202009770000001		WEEDTECHNICS	SW800 BARE WEED KILLER WITH HOSE & ALUMINUM TRAILER	77	26966	9/9/2019
2017-367 VIN#405570471	202010770000000		SNOWRATOR	ZX4 PLOW & DEICER RIDE-ON HONDA WITH ATTACHMENTS	77	14877.08	10/31/2019
B3212.B2778	n/a <\$10K	2017	FERRI	TA26 BOOM MOWER	77	9800	7/24/2019
	201811770000000			OFFICE FURNITURE @ PW COMPLEX FACILITY - PARKS	77	27007.13	11/13/2017
1165	199207770000000	1992	MOREBARK	CHIPPER - TRAILER	77	18000	7/1/1992
200000166	200006770000001	2000	TORO	THREE WHEELED TRIPLES REEL MOWER	77	16615	6/28/2000
089089	n/a <\$10K	2019	CARGO	TRAILER	77	3000	1/23/2020
1H9R61020VB228002	n/a <\$10K	1997	HARVEY	WATER TRAILER	77	3000	3/1/2005
1F9AE142XYG190001	n/a <\$10K	2000	FRYEBURG	EQUIPMENT/HD TRAILER	77	4000	3/1/2005
128496	n/a <\$10K	1986	MULLER	MIXER TRAILER	77	1500	3/1/2005
	201812770000000			THERAPY HOT TUB SPA@COMMUNITY CENTER	77	153673.61	12/7/2017
BN1833895277	n/a <\$10K	2018	ELE	TEMPO CASHMERE GO CART	77	6000	11/18/2019
	201809770000001			SECURITY CAMERAS @ NEW PWF - PARKS	77	11819.93	9/25/2017

Equipment List as of March 3, 2022

Id	Asset #	Yr	Make	Model	Dept	Replace Value	Acquired
010419	n/a <\$10K	2019	LOAD-RITE	TRAILER	77	2235	1/23/2020
UV21245	98030100058	1988	FORD	2120 TRACTOR W/FRONT END LOADE	77	20000	
401327563	201808770000000	2017	TORO	TORO VERSA VAC	77	23349.6	8/16/2017
55368100008	n/a <\$10K			TC700 TOW BEHIND & COLLECTIONS MINI WITH TAIL LIFT	77	5662.5	7/26/2018
403182881	n/a <\$10K		TORO	MODEL#08766 SPORTS FIELD EDGER (INFIELD GROOMER)	77	3879	8/13/2018
	201802770000000			GARAGE BAY VEHICLE LIFTS AT PWF FOR PKS	77	44783.65	2/23/2018
1136123	201908770000000	2018	JOHN DEERE	OVERSEEDER MODEL#LPOS1572	77	11527.25	8/15/2018
031317104	n/a <\$10K		BILLY GOAT	BRUSH CUTTER	77	2490	6/19/2019
BN1833895271	n/a <\$10K	2018	ELE	TEMPO GREEN 4PASS GO CART	77	6000	9/16/2019
	201809770000002			ACCESS CONTROL SECURITY SYSTEM @ NEW PWF - PARKS	77	13392.12	9/25/2017
240000190	200404770000002	2004	TORO	WORKMAN 3300D # 07362	77	14900	4/30/2004
240000152	200404770000000	2004	TORO	GROUNDMASTER 4700D # 30868	77	51125	4/20/2004
200000278	200010770000000	2000	TORO	4356 GREENSMASER	77	15711	10/18/2000
287614	200005770000000	2000	LANDPRIDE	TRI-DECK ROTARY MOWER	77	12757	5/30/2000
4277		2002	AERAVATOR	AE-60T SOLID TINE MOUNT	77	4300	8/10/2004
312000389	201206770000000	2012	TORO	03171 RM 3100 D SIDEWINDER MOWER	77	34609	6/26/2012
316000209	201707770000000	2017	TORO	PROCORE 1298 AERATOR FOR GOLF COURSE	77	30895.38	7/27/2016
311000163	201207770000001	2011	TORO	GROUNDMASTER 4100 WIDE AREA MOWER	77	55464	7/29/2011
1P0400CXTBX013889	201211770000000	2011	JOHN DEERE	LOADER, HOOD GUARD, & 73" HD BUCKET	77	6450	11/1/2011
1TC203ATLDT070470	201408770000001	2013	JOHN DEERE	UTILITY TRACTOR WITH SPRAYER	77	35044.67	8/16/2013
407098611	202108770000000	2021	TURF REELMASTER	5010-H HYBRID MOWER	77	12292.73	8/25/2020
316000192	201708770000003	2017	TORO GROUNDMASTER	POLARTEC 7210 WITH ATTACHMENTS	77	62969.6	8/25/2016
53123	98030100048	1987	KUBOTA	TRACTOR/FRONT END LDR	77	18000	
	n/a <\$10K		PARAGON	PORTABLE LIFE GUARD CHAIRS	77	3319	
50223	n/a <\$10k		JOHN DEERE	60" FRONT BLADE FOR JD MOWERS	77	1275	
	n/a <\$10k			BEDKNIFE GRINDER	77	9200	
407098613	202108770000002	2021	TURF REELMASTER	5010-H HYBRID MOWER	77	12292.73	8/25/2020

Equipment List as of March 3, 2022

Id	Asset #	Yr	Make	Model	Dept	Replace Value	Acquired
51A65201427	201501770000000		FOLEY ACCU-MASTER	652 SPIN RELIEF GRINDER	77	36955	1/31/2015
4XATH7EAXE2299564	201412770000000	2013	POLARIS	RANGER 800 FS EPS MODEL#R14TH7EAS	77	14996.99	12/6/2013
	n/a <\$10K		BRITE STRIPER	300 SELF PROPELLED AIRLESS STRIPER MACHINE	77	4200	8/6/2013
PR1317-363151	n/a < \$10K	2013	CLUB CAR	PR1317-363151 GOLF CART GREEN	77	6445	5/23/2013
1TCW36HPLDT040095	n/a < \$10K	2013	JOHN DEERE	WHP36A MOWER	77	4660	5/29/2013
	n/a < \$10K			FOUNTAIN AT MILL CREEK PARK	77	7684.68	7/11/2012
407098614	202108770000003	2021	TURF REELMASTER	5010-H HYBRID MOWER	77	12292.73	8/25/2020
				PORTABLE ASPEN AQUATIC LIFT	77	6330.22	11/3/2014
407098615	202108770000004	2021	TURF REELMASTER	5010-H HYBRID MOWER	77	12292.73	8/25/2020
315000701	201506770000000	2015	TORO	WORKMAN MDX TRACTOR	77	12721.99	6/23/2015
315000442	201506770000001	2015	TORO	SAND PRO INFIELD PRO 5040 GROOMER TRACTOR	77	26403.64	6/30/2015
827	N/A <\$10K	2011	TURF	VERTICUTTER WITH CARBIDE TIP BLADES	77	9685	6/23/2011
311000508	<\$10k	2011	TORO	WORKMAN MID-DUTY 4 WHEEL UTILITY VEHICLE	77	9740	7/25/2011
			ON BUILDING INS POLICY	PLAYSCAPE WITH RUBBER BASE SURFACING MATERIAL	77	86062	9/27/2012
1LV048XJB0040326	n/a < \$10K	2011	JOHN DEERE	BACKHOE WITH 18" HD BUCKET	77	9774	11/1/2011
UI 248228, UI248229	201802770000000		STERTIL KONI	GARAGE BAY LIFTS FOR PARKS GARAGE@PW COMPLEX FACILITY	77	37911	2/23/2018
407098612	202108770000001	2021	TURF REELMASTER	5010-H HYBRID MOWER	77	12292.73	8/25/2020
290000880	201012770000000	2010	TORO	PROCORE 648 AERATOR	77	21610.65	12/29/2009
	201808770000001			PLAYSCAPE LOCATED AT SAWYER STREET	77	55886	8/22/2017
401327563	201808770000000	2017	TORO	VERSA VAC	77	23349.6	8/16/2017
280001001	n/a <\$10K	2008	TORO	GREENSMASER FLEX 21 MOWER	77	8215	11/25/2008
280000925	n/a <10K	2008	TORO	GREENSMASER FLEX 21 MOWER	77	8215	11/25/2008
	200909770000001		KOEHLER	EMERGENCY GENERATOR FOR COMMUNITY CENTER	77	54840	9/9/2008
TC1445D081190	200909770000000	2008	JOHN DEERE	MODEL#1445 FRONT MOUNT MOWER W/SIDE DISCHARGE DECK	77	14931	9/4/2008
280000819	n/a <10K		TORO	TRANS PRO 100 TRAILER FOR 2008 GREENSMASER MOWERS	77	1755	11/25/2008

Equipment List as of March 3, 2022

Id	Asset #	Yr	Make	Model	Dept	Replace Value	Acquired
	2018118000000001			SHELVING @ PW COMPLEX FACILITY - BUS	80	21537.32	11/1/2017
	2018118000000000			OFFICE FURNITURE @ PW COMPLEX FACILITY - BUS	80	19913.23	11/13/2017
605065	2016088000000000			MOBILE COLUMN LIFTS FOR BUSES	80	9895.75	8/21/2015
	2018058000000000			DISPLAY SCREEN AT MILL CREEK TRANSIT HUB-MSG & COMMUNICATION	80	10704.17	5/25/2018
CK751447000294241	n/a <10K	2005	MULTIEQUIP	MC64S-HS CONCRETE MIXER	80	1849	1/18/2005
	2018028000000000			COMM EQUIP-RADIO TOWER & SMART BOARD AT NEW PWF	80	19713.71	2/12/2018
466CVR0363-466CVR0365_466CVR0387-466CVR0395	2020108000000000		MOTOROLA	APX 1500 7/800 RADIOS FOR BUS VEHICLES (12)	80	41537.13	10/31/2019
		2011	GILLIG	BUS CAMERA SYSTEMS & COMPONENTS (3)	80	5739	4/14/2011
	2018038000000000			BUS TRANSIT TRAFFIC SIGNAL PRIORITY SYSTEM AT INTERSECTIONS	80	219555.48	3/20/2018
605052	2016088000000000			MOBILE COLUMN LIFTS FOR BUSES	80	9895.75	8/21/2015
	2020018000000000			CRADLEPOINT MOBILE ROUTERS WITH WIFI FOR BUS#918	80	15653.81	1/23/2020
305123952	n/a <\$10K		PELICAN	305S+ COIN SORTER MACHINE	80	3644	9/9/2016
605061	2016088000000000			MOBILE COLUMN LIFTS FOR BUSES	80	9895.75	8/21/2015
605068	2016088000000000			MOBILE COLUMN LIFTS FOR BUSES	80	9895.75	8/21/2015
	2018098000000000			SECURITY CAMERAS @ NEW PWF - BUS	80	23639.87	9/25/2017
290736	n/a <\$10k		ALKOTA	HOT HIGH PRESSURE WASHER MODEL#216AXH	80	3495	7/8/2018
	2017038000000000			AVL WIRE HARNESSSES FOR TWO CITY BUSES VIN#84117 & 84118	80	12200	2/23/2017
	2017118000000002		PRO-VISION	DIGITAL SECURITY CAMERA SYSTEM FOR CITY BUSES	80	15538.76	11/1/2016
	2018098000000002			PHOTO COPIER, COIN SORTER, & AVAYA PHONES - BUS	80	10380.99	9/25/2017
	2018098000000001			ACCESS CONTROL SECURITY SYSTEM @ NEW PWF - BUS	80	26784.22	9/25/2017
	2008058000000000		WE18	HEAVY DUTY MOBILE HYDRAULIC LIFT	80	24740	3/12/2008
1S9TF1328WB088573		1998	STOW	UTILITY TRAILER FOR ROLLER	86		10/1/1998

Equipment List as of March 3, 2022

Id	Asset #	Yr	Make	Model	Dept	Replace Value	Acquired
5RSLU10167T000175	n/a <10K	2007	DOWNEASTER	TL610-LANDSCAPING TRAILER	86	1545	2/23/2007
9492-88		1988	COASTER	OFFICE TRAILER	1515	12000	9/19/2011
	201811751100000			DIRECT DIGITAL CONTROLS (DDC) HVAC MAHNY	7511	30225	2/5/2018
	201801751400000			SECURITY CAMERS FOR S.P.H.S.	7514	15176	4/10/2018
SN580046	200812751400000		STEINWAY B	GRAND PIANO	7514	64584	12/28/2007
LV5525H357336	200706776500001	2007	JOHN DEERE	5525 UTILITY TRACTOR 4WD	7765	41965	6/20/2007
	201908868000000			GENERATOR FUEL STORAGE TANK	8680	12158	8/21/2018
	201808868000000			SCADA CONTROL SYSTEM UPGRADE	8680	1116422.3	8/25/2017
5616E07981	201710868000000			HIGH EFFICIENCY A/C UNIT WITH SEACOAST COATED COILS	8680	14100	10/31/2016
	201606869000001			OFFICE FURNITURE FOR WWTP NEW ADDITION BUILDING	8680	19570	6/30/2016
10567359	20060386810000	2006	ONAN	GEN-SET -- NT-270-GS/GC	8681	39536.58	3/31/2006
	200508868100000	2005	GENERATOR	WINDING WAY PS	8681	32081.22	8/27/2004
YH0507953	201004868400000	2010	KOBELCO	SK140SR EXCAVATOR	8684	136900	4/16/2010
FH500VA48283	n/a < \$10k	2000	JOHN DEERE	LAWN TRACTOR MOWER LX 277	8684	3275	4/27/2000
AKS202308	201507868400000			COLD PLANER ATTACHMENT	8684	10565.64	7/1/2014
	201508868400000			BUCK SWITCHER & TRANSPORTER ASSEMBLY	8684	18788.5	8/22/2014
000U2NAEXF3005442	201609868400000	2015	POLARIS	GEM EM1400 L15U2NAEFA ELECTRIC UTILITY VEHICLE	8684	11498.98	9/24/2015
15-55170/148702	201601868400000			DUMP TRUCK BODY & LIFTGATE REPLACEMENT	8684	12290	1/21/2016
1T0BR60XTF0000082	n/a <\$10K			60" PICK UP SWEEPER FOR JOHN DEERE 317 SKID STEER LOADER	8684	4950	1/14/2016
B 15-1600	n/a < \$10K		GALION	9' GALION DROPSIDE DUMP BODY TUB MODEL 100UDS9TUB	8684	5700	3/14/2016
	n/a <\$10K		SALALIFT II	WINCH W/SELF RETRACTING LIFELINE	8684	2122	12/6/2011
	n/a <\$10K		SALALIFT II	WINCH W/SELF RETRACTING LIFELINE	8684	2122	12/6/2011
V3907	n/a <\$10K		MULTIEQUIP	PLATE COMPACTOR MODEL#MVC88VGHW	8684	1715	12/27/2011
	n/a <\$10K			SMARTBOARD FOR WRP	8684	4795.59	3/6/2018

Equipment List as of March 3, 2022

Id	Asset #	Yr	Make	Model	Dept	Replace Value	Acquired
312357UEK811	9803010002	2000	INGERSOLL RAND	PORTABLE GENSET	8684	17973	6/6/2000
E2316567	n/a <\$10K		BIG JOE	MODEL D40 27X48 ELECTRIC PALLET JACK TRUCK	8684	4294.75	8/30/2018
	201807868400000		POINT SENSE SUITE	POINT SENSE SUITE SOFTWARE LICENSE	8684	12808.5	7/27/2017
	n/a <\$10K		TSS	TSS PORTABLE COMPLETE IN CASE	8684	2959.27	8/18/2017
	n/a <\$10K		WARTHOG MAGNUM	1" WARTHOG MAGNUM ROOT SAW	8684	2914	8/25/2017
5FTUE1210C1040307	201203868400000	2012	FELLING	6' WIDE SINGLE AXLE EQUIPMENT TRAILER MODEL FT6T TO HAUL 2012 ROLLER	8684	3673	3/19/2012
E63XWCU63KW	98030101114	2000	INGERSOLL-RAND	PORTABLE GENERATOR - PCF	8684	18206	1/1/2000
20075668	201203868400000	2012	WACKER	36" DOUBLE DRUM RIDE-ON ROLLER MODEL RD12A	8684	13117	3/19/2012
ASI-110784	201208868400000		4" STEEL TRENCH BOX	MODEL#4SDW-816	8684	11225	8/3/2011
	201806868400000		DATA TRANSFER SOLUTIONS	VUEWORKS SOFTWARE LICENSE	8684	25000	6/16/2018
	n/a <\$10K			SMARTBOARD	8684	4795.59	12/21/2017
	n/a <\$10K			1" WARTHOG MAGNUM ROOT SAW	8684	2914	8/25/2017
	n/a <\$10K			TSS PORTABLE COMPLETE INCASE	8684	2959.27	8/18/2017
10445808	n/a <\$10K	2015	WACKER	BPU4045A TRENCH TAMPER/COMPACTOR	8690	8318.25	11/17/2015

Vehicles as of March 3, 2022

Serial Number	Dept	Yr	Make	Model	Acquired	Comments
1N4AZ0CP9FC315878	Assessing	2015	NISSAN	LEAF	11/25/2014	CITY BLDG ELECTRIC VEHICLE - OPERATING LEASE EXPIRES 11/4/17 PURCHASED 3/30/18 \$10,658.00 LEASE-BUYOUT
1N4BZ1CV0NC550337	Bus	2022	NISSAN	LEAF	9/14/2021	ELECTRIC VEHICLE PO#20220494
15GGB2718G1184118	Bus	2016	GILLIG	G27B10 TRANSIT BUS	11/18/2016	
15GGB2716G1184117	Bus	2016	GILLIG	G27B10 TRANSIT BUS	11/18/2016	
1FDRF3HT2GEC44926	Bus	2016	FORD	F350 SERVICE TRUCK	5/19/2016	SERVICE TRUCK
1N4AZ0CP6FC329088	Bus	2015	NISSAN	LEAF	12/11/2015	PURCHASE (ELECTRIC VEHICLE)
15GGB2715E1183294	Bus	2014	GILLIG	LOW FLOW CITY BUS UNIT# 902 MODG27B102N4	3/27/2014	CITY BUS UNIT #902
15GGB2713E1183293	Bus	2014	GILLIG	LOWQ FLOW CITY BUS UNIT#901 MODG27B102N4	3/26/2014	CITY BUS UNIT #901
15GGB271XB1178619	Bus	2011	GILLIG	Bus	4/15/2011	MDOT LEASE# DOT0311-SPWMBUS
15GGB2716B1178617	Bus	2011	GILLIG	Bus	4/15/2011	MDOT LEASE# DOT0311-SPWMBUS
15GGB2718B1178618	Bus	2011	GILLIG	Bus	4/15/2011	MDOT LEASE# DOT0311-SPWMBUS
1FDFF4FL0ADA97579	Bus	2010	FORD	E450SU	10/6/2020	DONATION FROM REGIONAL TRANSPORTATION PROGRAM
1FDFF4FL0ADA97582	Bus	2010	FORD	TRUCK	10/6/2020	DONATION FROM REGIONAL TRANSPORTATION PROGRAM
1FMCU0F77EUA56941	Code Enforce	2014	FORD	ESCAPE	11/22/2013	MATT LECONTE - CODE VEHICLE
1N4BZ1CP6KC319097	Facilities	2019	NISSAN	LEAF	1/24/2020	LEASE AGREEMENT
1FTEW1EP3JFD92132	Facilities	2018	FORD	F-150 TRUCK	10/4/2021	2018 FORD F-150 TRUCK - FACILITIES
1GNSKFKC0LR220338E	Fire	2020	CHEVROLET	TAHOE EQUIPMENT	9/10/2020	EQUIPMENT 2020 CHEVROLET TAHOE VIN#20338
1GNSKDEC7LR234866	Fire	2020	CHEVROLET	TAHOE	7/3/2020	
1GNSKFKC0LR220338	Fire	2020	CHEVROLET	TAHOE	7/3/2020	FIRE CHIEF VEHICLE
1FDXE4FS7KDC33543	Fire	2019	FORD	E-450 ROAD RESCUE AMBULANCE	6/13/2019	AMBULANCE
1FTBF3B62KEG11079	Fire	2019	FORD	F350 PICKUP TRUCK	10/28/2019	
5A4RP4X25D2001322	Fire	2013	LOADRITE	TRAILER	10/25/2012	
1GT02ZCG6CZ165493	Fire	2012	GMC	SIERRA 2500 TRUCK W/PLOW	12/8/2011	TRANSFERRED TO FIRE DEPT ON 6/1/16 FROM BUS DEPT
1GNSKFKC0LR220338a	Fire		2020 CHEVROLET TAHOE	EQUIPMENT	9/11/2020	EQUIPMENT INSTALLED ON 2020 CHEVROLET TAHOE VIN#20338
1GNSKLED4MR457113	Fire Dept	2021	CHEVROLET	TAHOE	12/6/2021	
1FTEW1E56LFA73695	Fire Dept	2020	FORD	F150 4x4 Pickup Truck	1/27/2020	
4P1BCAFF9KA020818	Fire Dept	2019	PIERCE	ARROW XT	9/27/2019	QUIRK LADDER FIRE TRUCK ENGINE#45
1FTRF3B65HEE99174	Fire Dept	2017	FORD	F350 TRUCK	11/3/2017	
4P1BAAFF5HA018109	Fire Dept	2017	PIERCE	ARROW XT PUMPER	9/12/2017	

Vehicles as of March 3, 2022

Serial Number	Dept	Yr	Make	Model	Acquired	Comments
1GB6GUCL6G1130764	Fire Dept	2016	CHEVROLET	G4500 AMBULANCE	7/22/2016	AMB \$219,259.00 EQUIP \$2,528 PO#20160197
1GB6G5CLXE1135761	Fire Dept	2014	CHEVROLET	G4500 AMBULANCE	6/12/2014	
1GNSKAE09DR148383	Fire Dept	2013	CHEVROLET	TAHOE	10/1/2012	RED
4P1CA01A9DA013693	Fire Dept	2013	ONE PIERCE PUMPER	FIRE TRUCK	6/21/2013	BID 8-13 PO#20130803:TRUCK \$456,364:EQUIPMENT \$23,636
1GNUKAE04AR108376	Fire Dept	2010	CHEVROLET	TAHOE 4WD	12/8/2009	\$3000 RADIOS ATTACHED-INCL IN INS AMT-FIRE CHIEF/EMA DIRECTOR VEH
16HCB1011AP076588	Fire Dept	2010	HAULMARK	TS6X10DS2 TRAILER	12/14/2009	RED-ON THE ROAD INC
1FDXE4FP1ADA34739	Fire Dept	2010	FORD E-450	AMBULANCE	3/2/2011	
4YMUL081X9V043148	Fire Dept	2009	CARRY ON	5X8 SP UTILITY TRAILER	7/14/2009	
2GCEK19JX81212454	Fire Dept	2008	CHEVROLET	1500 4WD EXT CAB PICKUP	8/22/2008	VICTORY RED
1GTJK33D57F126280	Fire Dept	2007	GMC	Sierra 3500	9/22/2006	REC'D FROM CITY OF PORTLAND GRANT RED
1FDXE45P26HB18120	Fire Dept	2006	FORD	E450 Road Rescue R5207	8/11/2006	used vin...30521 fa 98030100151 as \$20k trade in
16HGB20276P0056384	Fire Dept	2006	HAULMARK	RT85X20WT3	5/30/2006	COLOR:RED-Purchahsd from ON THE ROAD Inc V# 12546
M0P4GX036008	Fire Dept	2006	JOHN DEERE	GATOR UTILITY	12/20/2005	'06 JD GATOR UTILITY VEHICLE W/ TRAILOR. TRAILOR VIN 4JAUS10156G112552
16HGB2426SP045580	Fire Dept	2005	HAULMARK	ET8SX24WT3 HAZMAT TRAILER	10/21/2004	
4EN6AA8X41009127	Fire dept	2004	E-1	Typhoon pumper	4/13/2005	replaced engine #8
1GTHK24U94E185955	Fire Dept	2004	GMC	TK25903	12/12/2003	BID #204031 ITEM 2 PO#20042220 S-8
4S7HT2B933C044657	Fire Dept	2003	SPARTAN	Rescue - VA41M-2142 SQ4	5/5/2003	Manufactured date 03/2003
1F94347232H140154	Fire Dept	2002	FERRARA	IGNITER E6	12/18/2002	Engine#6
4P1CA02S7TA000639	Fire Dept	1996	PIERCE AROW	Aerial Platform T-1	9/1/1995	Truck # 1 (Ladder truck with bucket)
1HTSDPCR8PH481078	Fire Dept	1992	FERRARA	Engine E2	1/1/1993	ENGINE 2 LOCATED AT WILLARD FIRE STATION
46JDBBA83L1003537	Fire Dept	1990	E-1	Ladder tk with 10 Ma	2/14/1991	
N-S-4 1631	Fire Dept	1924	AHRENS-FOX	Engine		Antique
4P1CA0257TA000639	Fire Dept				12/31/2008	TRUCK #1 REPAIRS FOR LADDER FIRE TRUCK FA#098030100169
1FD0W4HTXFED70738	Fire Dept.	2015	FORD F450	LIGHT COMMAND/RESCUE VEHICLE	1/28/2016	FIRE LIGHT COMMAND VEHICLE PO#20151145
1FTBF2B63LEC49601	Parks	2020	FORD	F250 TRUCK	2/12/2020	PO#20201015
1FDRF3G67KEE37139	Parks	2019	FORD	F-350	4/22/2019	DUMP TRUCK PO#20191003-INCLUDES TRADE-IN VIN#89072
1N4AZ1CP5KC306353	Parks	2019	NISSAN	LEAF	1/17/2019	ELECTRIC VEHICLE OPERATING LEASE 12/17/2022

Vehicles as of March 3, 2022

Serial Number	Dept	Yr	Make	Model	Acquired	Comments
1GTN1LEC3JZ244181	Parks	2018	GMC	SIERRA	3/6/2018	PO#20180520
NM0LS6F78H1301701	Parks	2017	FORD	TRANSIT CONNECT CARGO VAN	11/23/2016	SILVER METAL:COST DIFF IS DUE TO PREMIUM CHARGE
5A4FZLR23H2010143	Parks	2017	LOADRITE	TRAILER MODEL UT6514-7000E2	8/22/2016	
1FTBF2B69HEE99173	Parks	2017	FORD	F250 TRUCK	10/25/2017	SILVER
1TC1570VEHR031116	Parks	2017	JOHN DEERE	1570 TERRAINCUT COMM FRONT MOWER	7/6/2017	WITH SIDE DISCHARGE MOWER DECK SN#1TC1572XVHT035727:ADJUST ACQ COST FROM \$25,423.45 TO \$25,338.76 7/6/17
316000127	Parks	2016	TORO	TOP DRESSER TRACTOR	8/18/2016	
59CB1TH24GC002853	Parks	2016	BWISE	TH824-15 TRAILER	4/6/2016	
1FDBF3A62GEA72841	Parks	2016	FORD	F350 TRUCK	11/5/2015	
LV4066R100362	Parks	2016	JOHN DEERE	4066R UTILITY TRACTOR & LOADER	8/8/2016	TRACTOR \$33,536.86:LOADER \$5,525.64 SN#1P0H180XPGD010129
1GC0KUEG1GZ372153	Parks	2016	CHEVROLET	SILVERADO	8/23/2016	4X4 PICKUP TRUCK
1FTBF2B64FEB14521	Parks	2015	FORD	F250 TRUCK	8/15/2014	
1N4AZ0CP3FC313656	Parks	2015	NISSAN	LEAF	11/25/2014	ELECTRIC VEHICLE:OPERATING LEASE EXPIRES 11/4/17:PURCH 3/30/18 \$10,658 LEASE BUYOUT
1GT020CG0EF123210	Parks	2014	GMC	SIERRA TRUCK	8/23/2013	
314000170	Parks	2014	TORO	GROUNDMASTER MOWER	8/11/2015	
1GD312CG3DF112787	Parks	2013	GMC	SIERRA	10/15/2012	
4T9BB0918DT023120	Parks	2013	TORO	44539 PRO FORCE BLOWER WITH TRAILER	6/12/2013	PO#20131556
1TC1445DKCT120736	Parks	2012	JOHN DEERE	FRONT MOWER W/SIDE DISCHARGE	5/30/2012	SIDE DISCHARGE SER#1TC1472XHCT120812
1FTNF1CF9BKD72051	Parks	2011	FORD	F150	7/13/2011	SILVER
109FS1927B2022049	Parks	2011	OTR	8X14 FRAME TRAILER	11/5/2011	
1GC2KXCG7BZ216172	Parks	2011	CHEVROLET	SILVERADO PICKUP	12/22/2010	
1LV4320HHBH840635	Parks	2011	JOHN DEERE	COMPACT UTILITY TRACTOR	11/1/2011	LOADER IS ON EQUIP DATABASE SN# 1P0400CXTBX013889
627173	Parks	2011	LANDPRIDE	TOW-BEHIND FLEXMOWER	10/31/2010	
1FDWF3GY9AEA39840	Parks	2010	FORD	S-DUTY F350 TRUCK	10/13/2009	SILVER WITH PURCHASE OF TRADE-IN 1995 FORD F450 \$1,000
1FDFE4FL4ADA97584	Parks	2010	FORD	E450SU	10/6/2020	DONATION FROM REGIONAL TRANSPORTATION PROGRAM
TC1445D090855	Parks	2009	JOHN DEERE	RIDING/ROTARY MOWER	10/21/2009	WITH SD MOWER 1400 SN- TC1472X091036 TRADE-IN \$3000 FA#19981077000000

Vehicles as of March 3, 2022

Serial Number	Dept	Yr	Make	Model	Acquired	Comments
1GDJ5C1908F405624	Parks	2008	GMC	TC5C042	12/27/2007	BUCKET TRUCK # 82 WHITE
1FTPF12558KC86505	Parks	2008	FORD	F-150 PICKUP	1/24/2008	SILVER-PURCHASED WITH TRADE-IN OF 1996 GMC C1500
1FDWE35S26HA43493	Parks	2005	ELDORADO	AEROTECH	9/14/2005	WHITE BUS PO 20053494-VENDOR 13265
4M8FS16255D002409	Parks	2005	SUPERIOR	Equip Trailer - 26.516.5	7/7/2005	Stored @ 33 Pitt Street (O'Neil Street Public Works Complex)
1GDG6H1CXXJ506245	Parks	1999	GMC	TC6H042	4/12/1999	Water Truck, GVW = 25,740
1FDXE4FN2MDC01208	Parks	2021	FORD	E450SD 14 PASSENGER BUS VAN	9/16/2021	2021 FORD E450SD 14 PASSENGER BUS VAN
1N4AZ1CP9KC305822	Planning	2019	NISSAN	LEAF	1/17/2019	ELECTRIC VEHICLE OPERATING LEASE 12/17/2022
1FM5K8AW4MNA09838	Police	2021	FORD	EXPLORER INTERCEPTOR	2/23/2021	POLICE CRUISER
1FM5K8AW6MNA09839	Police	2021	FORD	EXPLORER INTERCEPTOR	2/23/2021	POLICE CRUISER
1FM5K8AW4MNA07801	Police	2021	FORD	EXPLORER	3/23/2021	
1FM5K8AW1LGA29743	Police	2020	FORD	EXPLORER CRUISER	5/18/2020	
1GNSDKC8LR232967	Police	2020	CHEVROLET	Tahoe	2/26/2020	POLICE CHIEF VEHICLE PO#20201399
1FM5K8AW5LGB86319	Police	2020	FORD	EXPLORER INTERCEPTOR	4/6/2020	HYBRID
1FM5K8AW1LGB86320	Police	2020	FORD	EXPLORER INTERCEPTOR	4/6/2020	HYBRID
1FM5K8AWXLGA29742	Police	2020	FORD	EXPLORER CRUISER	5/18/2020	
1FM5K8AW3LGB86318	Police	2020	FORD	EXPLORER CRUISER	6/10/2020	
1FM5K8AR6KGA62441	Police	2019	FORD	Explorer Police Cruiser	1/10/2019	
1FM5K8AR8KGA62442	Police	2019	FORD	Explorer Police Cruiser	1/10/2019	
1FM5K8AR5JGBG58737	Police	2018	FORD	EXPLORER POLICE CRUISER	5/16/2018	POLICE CRUISER
1FM5K8AR9JGB58739	Police	2018	FORD	EXPLORER POLICE CRUISER	5/16/2018	POLICE CRUISER
1FM5K8AR7JGB58738	Police	2018	FORD	EXPLORER POLICE CRUISER	5/16/2018	POLICE CRUISER
1GNSKDEC4JR327373	Police	2018	CHEVROLET	TAHOE	5/22/2018	
1FM5K8AR3HGC86386	Police	2017	FORD	EXPLORER	5/15/2017	POLICE CRUISER
1FM5K8AR1HGC86385	Police	2017	FORD	EXPLORER	5/15/2017	POLICE CRUISER
1FM5K8AR7HGC86388	Police	2017	FORD	EXPLORER	5/15/2017	POLICE CRUISER
1FM5K8AR1GGC92024	Police	2016	FORD	EXPLORER POLICE CRUISER	4/25/2016	CRUISER \$29,952 PLUS \$7,500 FOR EQUIPMENT
1GNSKDEC8GR114354	Police	2016	CHEVROLET	TAHOE COMMAND VEHICLE	10/15/2015	
WD3PE7DD5GP196793	Police	2016	MERCEDES-BENZ	SPRINTER VAN	12/27/2016	EVIDENCE VAN
1FM5K8ARXGGC92023	Police	2016	FORD	EXPLORER POLICE CRUISER	5/10/2016	CRUISER \$29,953 PLUS \$7,500 FOR EQUIPMENT
1FM5K8AR6GGC92021	Police	2016	FORD	EXPLORER POLICE CRUISER	5/10/2016	CRUISER \$30,161 PLUS \$7,500 FOR EQUIPMENT

Vehicles as of March 3, 2022

Serial Number	Dept	Yr	Make	Model	Acquired	Comments
1FM5K8AR8GGC92022	Police	2016	FORD	EXPLORER POLICE CRUISER	4/25/2016	CRUISER \$29,952 PLUS \$7,500 FOR EQUIPMENT
1FM5K8AR9FGC66933	Police	2015	FORD	EXPLORER POLICE CRUISER	5/20/2015	\$10,500 WAS ADDED TO INSURANCE FOR POLICE EQUIPMENT
1FM5K8AR5FGC66931	Police	2015	FORD	EXPLORER POLICE CRUISER	5/20/2015	\$10,500 WAS ADDED TO INSURANCE FOR POLICE EQUIPMENT
1FM5K8AR7FGC66932	Police	2015	FORD	EXPLORER POLICE CRUISER	5/20/2015	\$10,500 WAS ADDED TO INSURANCE FOR POLICE EQUIPMENT
1FM5K8AR9EGB90919	Police	2014	FORD	EXPLORER POLICE CRUISERS	4/1/2014	LEASE #ME1722-04 GORHAM LEASING GROUP
1FADP3F2XEL141256	Police	2014	FORD	FOCUS	8/4/2016	
1HD1FMM3EB694674	Police	2014	HARLEY DAVIDSON	FLHTP MOTORCYCLE	7/13/2018	PO#20190336-TRADE IN FA#200904630000003 (VIN#65097) OF \$4,500
1FM5K8AR3DGB15888	Police	2013	FORD	EXPLORER CRUISER	9/7/2012	
1N4AL2AP1BN496523	Police	2011	NISSAN	ALTIMA UNMARKED POLICE CRUISER	5/27/2015	TRADE-INS COMBINED EQUAL PURCHASE PRICE OF \$13,000
1GNUKAE03AR258334	Police	2010	CHEVROLET	TAHOE 4WD	7/8/2010	TRUCK AMT \$30,167;ADD'L EQUIP \$7197 COMMAND TRUCK;\$2900 TRUCK VAULT
1HD1FMM169Y609412	Police	2009	HARLEY	MOTORCYCLE	9/15/2008	POLICE DEPT WON THE MOTORCYCLE
1HTWEADR98J669421	Police	2008	INTERNATIONAL	MRAP MVP MILITARY VEHICLE	7/1/2014	DONATION RECEIVED ON 9/26/13
1FDXF47P25EB49006	Police	2005	FORD	F450 UTILITY TRUCK	11/23/2009	
2S9US1124S132665	Police	2004	VER-MAC MESSA	PCMS 548 TRAILER	9/9/2004	MESSAGE BOARD-7/1/18
2S9US1124S132664	Police	2004	VER-MAC MESSA	PCMS 548 TRAILER	9/9/2004	MESSAGE BOARD-7/1/18
4RWBE2020MH036695	Pubic Works	2021	RICE	FMEHR8220	6/3/2021	BLACK TRAILER
MV1534	Public Works	2022	MACLEAN	MV5 TRACTOR PLOW	1/27/2022	SIDEWALK PLOW PO#20221343
3HAEMTZT9ML319900	Public Works	2022	INTERNATIONAL	HV513 DUMP TRUCK W/PLOW	10/6/2021	DUMP TRUCK MSRP \$183,404 PLOW \$111,204.22
7G1BE1210NE011361	Public Works	2022	DISCOVERY CARGO	DMA712SAE	6/3/2021	WHITE TRAILER
1FM5K8DH4LGA46052	Public Works	2020	FORD	EXPLORER	10/16/2019	PW SUPERINTENDENT VEHICLE- MELISSA HUTCHINS
1FD8W3H69LED08654	Public Works	2020	FORD	F350 Truck	3/7/2020	PO#20200948
3HAMMMN9LL822155	Public Works	2020	INTERNATIONAL	500X SWEEPER	10/14/2019	PO#20200422
B4SB12054	Public Works	2020	BOBCAT	T66 COMPACT LOADER	12/9/2020	2020 BOBCAT COMPACT LOADER WITH BUCKET (SN2380 FOR BUCKET)

Vehicles as of March 3, 2022

Serial Number	Dept	Yr	Make	Model	Acquired	Comments
1FDRF3H61LED08653	Public Works	2020	FORD	F350 Truck	3/7/2020	PO#20200948
5F12S101XL1005771	Public Works	2020	WANC	WVTMM	10/8/2020	RADAR MESSAGE BOARD TRAILER SN#05771
5F12S1015L1005774	Public Works	2020	WANC	WVTMM	10/8/2020	RADAR MESSAGE BOARD TRAILER
VIN#47264	Public Works	2019	CRAIG PLOW		10/2/2019	PLOW ON VIN#47264 2019 CASE WHEEL LOADER
JEEN0721JKF247264	Public Works	2019	CASE	71GXR WHEEL LOADER	7/19/2019	
MT75256570HPF	Public Works	2019	TRACKLESS	MT7 SIDEWALK TRACTOR	6/14/2019	
1HTWDSTRXJH558514	Public Works	2018	INTERNATIONAL	7400 TRUCK WITH PLOW	8/9/2017	DUMP TRUCK WITH PLOW
1HTWDSTR8JH558513	Public Works	2018	INTERNATIONAL	7400 TRUCK WITH PLOW	8/9/2017	DUMP TRUCK WITH PLOW
1HTWDSTR1JH558515	Public Works	2018	INTERNATIONAL	7400 TRUCK WITH PLOW	8/9/2017	DUMP TRUCK WITH PLOW
1FVMG3DV6HHJB8829	Public Works	2017	FREIGHTLINER	114SD TRUCK	9/26/2016	PINK
1K9BU2424FN246119	Public Works	2015	ASPHALT RECYCLER	PAVER	5/29/2015	ASPHALT PAVER
1HTWDAZR5FH123294	Public Works	2015	INTERNATIONAL 7400	DUMP TRUCK WITH PLOW	7/1/2014	2015 INTERNATIONAL DUMP TRUCK WITH PLOW
ATF213501	Public Works	2015	BOBCAT	BC S770 IT4 SKID-STEER LOADER WITH BUCKE	9/25/2015	
1GTR2TE75DZ247783	Public Works	2013	GMC	SIERRA TRUCK	8/23/2013	
MT6-1561	Public Works	2013	TRACKLESS	MT6 SIDEWALK TRACTOR	10/23/2012	
1HTJTSKN0CJ623006	Public Works	2012	INTERNATIONAL	CHASSIS TRUCK SWEEPER	8/10/2011	2011 TYMCO 600BAH SWEEPER MOUNTED ON VEHICLE:SN201108SNQ61979BAH
4R7BU1016CT114456	Public Works	2012	TOP HAT	UTILITY TRAILER DSA10X5- S.9N-C	5/10/2012	REGISTERED FOR ROAD
1FDRF3GT2CEA45208	Public Works	2012	FORD	F350 SIGN TRUCK	2/21/2012	BID#10-12:SOLD TRUCK ON 12/21/11:ROWE FORD SENT TRUCK TO HEWS BODY:TOOK OWNERSHIP ON 2/21/12
1HTWLAZR2CJ610072	Public Works	2012	INTERNATIONAL	7500 DUMP TRUCK	11/30/2011	

Vehicles as of March 3, 2022

Serial Number	Dept	Yr	Make	Model	Acquired	Comments
1GT1ZCG6CF131107	Public Works	2012	GMC	SIERRA 2500 TRUCK	12/8/2011	
MT6-1306	Public Works	2011	TRACKLESS	MT6 SIDEWALK TRACTOR	10/27/2010	REGISTERED FOR ROAD
5JPBU2329BP028191	Public Works	2011	CAM SUPERLINE	TAG ALONG UTILITY TRAILER 6CAM18FTT	5/10/2012	REGISTERED FOR ROAD
1HTWLAAR9BJ323385	Public Works	2011	INTERNATIONAL	7500 DUMP TRUCK	4/30/2010	
1FDWF3GY2AEA39839	Public Works	2010	FORD	S-DUTY F350 TRUCK	10/13/2009	GRAY
5JWUTU2221A1034594	Public Works	2010	SURE TRAC	TRAILER	7/28/2010	TRAILER REGISTERED FOR ROAD
1HTWLAZR69J158457	Public Works	2009	INTERNATIONAL	7500 DUMP TRUCK	5/14/2009	
4V5KC9EFX9N274047	Public Works	2009	VOLVO	DUMPTRUCK #VHD64B	8/22/2008	WHITE
1HTWLAZR98J638183	Public Works	2008	INTERNATIONAL	DUMP TRUCK 7500 MODEL	9/28/2007	
1HTWLAZR78J638182	Public Works	2008	INTERNATIONAL	DUMP TRUCK 7500 MODEL	9/28/2007	
1FDAX56R48EC95584	Public Works	2008	Ford	F550 SERVICE BUCKET TRUCK	2/14/2008	
1HTWLAZR58J638181	Public Works	2008	INTERNATIONAL	DUMP TRUCK 7500 MODEL	9/28/2007	
1HTWLAZR08J638184	Public Works	2008	INTERNATIONAL	DUMP TRUCK 7500 MODEL	9/28/2007	
MT573604	Public Works	2007	TRACKLESS	SIDEWALK PLOW MT5	10/12/2007	
3D6WG46D67G799872	Public Works	2007	DODG	RAM CA	5/22/2007	WHITE
1HTWLAZR77J489531	Public Works	2007	INTL	7500 DUMP	3/7/2007	#7 WHITE
MT5T-3308	Public Works	2006	TRACKLESS	MT5	12/12/2005	SIDEWALK TRACTOR - TRACKLESS
DW624JH602515	Public Works	2006	JOHN DEERE	624J	1/13/2006	WHEEL LOADER PURCHASED @ NORTRAX
1GDK7E1C45F511253	Public Works	2005	GMC	TCZE042	4/26/2005	
525020878	Public Works	2005	BOBCAT	5185	4/12/2005	
2FZAATAK73AK66405	Public Works	2003	STERLING	Dump Truck	8/13/2002	DPublic Works 6

Vehicles as of March 3, 2022

Serial Number	Dept	Yr	Make	Model	Acquired	Comments
2FZAATAK33AK66403	Public Works	2003	STERLING	Dump Truck	8/13/2002	DPublic Works 3
G580063U210946	Public Works	2002	KOMATSU	Grader	8/30/2002	DPublic Works 34 - GALION
1HTGBADR52H412557	Public Works	2002	INTL	SANDER	5/9/2000	#4 2554 INTERNTL BID#201034
2FZAATAK52AK31960	Public Works	2002	STERLING	L7500 Sander	4/19/2002	DPublic Works 8 BID#202032
1FVHBGAS81HH36958	Public Works	2001	FREIGHTLINER	TK	7/7/2000	#25 Rolloff Hauler
09HS00535	Public Works	2000	CAT	938G LOADER	11/14/2000	DPublic Works#26 & 26A 720 TINK CLAW #93960
88458866	Public Works	1999	TRACKLESS	MT-5 MULTIPURPOSE TRACTOR	11/23/1998	1489: DPublic Works #40
DW624GD560212	Public Works	1997	JOHN DEERE	624G LOADER	2/28/1997	DPublic Works#24
1BAKGC5A5PF387237	School	2023	BLUE BIRD	BBCV33 SCHOOL BUS	1/18/2022	77 PASSENGER SCHOOL BUS
1BAKGCBA7NF379346	School	2022	BLUE BIRD	BBCV3310 SCHOOL BUS	10/22/2020	VW FUNDING \$68,600:COSP \$39,900 TOTAL \$108,500
1BAKGCBA9NF379347	School	2022	BLUE BIRD	BBCV3310 SCHOOL BUS	10/22/2020	VW FUNDING \$68,600:COSP \$39,900 TOTAL \$108,500
1BAKGC5A8NF382983	School	2022	BLUE BIRD	BBCV3310 SCHOOL BUS	4/30/2021	STUDENT TRANSPORTATION BUS VEHICLE
1BAKGC5AXNF382984	School	2022	BLUE BIRD	BBCV3310 SCHOOL BUS	4/30/2021	STUDENT TRANSPORTATION BUS VEHICLE
1BAKGC5A9MF370050	School	2021	BLUE BIRD	BBCV3310 SCHOOL BUS	10/4/2019	
1BAKGC5A7MF370046	School	2021	BLUE BIRD	BBCV3310 SCHOOL BUS	10/4/2019	SCHOOL BUS REPLACEMENT COST INCLUDES UNDERCOATING
1BAKGC5A5MF370045	School	2021	BLUE BIRD	BBCV3310 SCHOOL BUS	10/4/2019	
1BAKGC5A8LF362598	School	2020	BLUE BIRD	BBCV3310 SCHOOL BUS	4/11/2019	TRANSFERRED PLATE#417-644 FROM VIN#86924 FA#20041275000004
1BAKJCSA2LF359097	School	2020	BLUE BIRD	BBCV3507 SCHOOL BUS	11/1/2018	78 PASSENGER SCHOOL BUS #31
1BAKGC5A1LF359929	School	2020	BLUE BIRD	TYPE C-BBCV3310	12/19/2018	
1BAKGC5A8LF359930	School	2020	BLUE BIRD	TYPE C-BBCV3310	12/19/2018	
1BABNBSA6KF353316	School	2019	BLUE BIRD	T3RE4006	5/18/2018	84 PASSENGER SCHOOL BUS
1BAKGC5A4KF348325	School	2019	BLUE BIRD	BBCV77	12/11/2017	66 PASSENGER SCHOOL BUS#29
1BABNBSA6KF348326	School	2019	BLUE BIRD	T3RE4006	12/11/2017	87 PASSENGER SCHOOL BUS #30
1FMZK1ZM4KKB47972	School	2019	FORD	TRANSIT VAN	8/26/2019	10 PASSENGER SCHOOL BUS VAN
1BAKJCPAXJF336883	School	2018	BLUE BIRD	BBCV3507 PASSENGER SCHOOL BUS	12/27/2016	
1BAKJCPA1JF336884	School	2018	BLUE BIRD	BBCV3507 PASSENGER SCHOOL BUS	12/27/2016	

Vehicles as of March 3, 2022

Serial Number	Dept	Yr	Make	Model	Acquired	Comments
3C6TRVNG3JE143322	School	2018	DODGE	PROMASTER 1500 VAN	9/30/2018	CARGO VAN FOR SCHOOL NUTRITION PROGRAM
3C6TRVCG7JE156772	School	2018	RAM	PROMASTER 2500PR VAN	10/30/2018	SCHOOL ELECTRICIAN'S VAN
5KTUS1411HF504869	School	2017	KARAVAN	KHD-2990-60-10 UTILITY TRAILER	8/16/2016	UTILITY TRAILER
4UZABRDT9HCHS6939	School	2017	THOMAS SCHOOL BUS	SAFTLINER 341TS	1/26/2016	77 PASSENGER SCHOOL BUS #25
4UZABRDT5HCHS6940	School	2017	THOMAS SCHOOL BUS	SAFTLINER 341TS	1/26/2016	77 PASSENGER SCHOOL BUS #26
2C4RDGBG5HR793943	School	2017	DODGE	CARAVAN	8/25/2017	VAN#20 7 PASSENGER SCHOOL VAN
2C4RDGBG3HR793942	School	2017	DODGE	CARAVAN	8/25/2017	VAN#21 7 PASSENGER SCHOOL VAN
1GC2KUEG8HZ357076	School	2017	CHEVROLET	SILVERADO	12/8/2017	
4UZABRDT4GCHF5646	School	2016	FREIGHTLINER THOMAS	78 PASSENGER SCHOOL BUS	8/31/2015	BUS#19
4UZABRDT0ECFL4966	School	2014	FREIGHTLINER	66 PASSENGER BUS	4/16/2013	BUS#5
4UZABRDT0ECFL4840	School	2014	FREIGHTLINER	77 PASSENGER BUS	4/16/2013	BUS#23
1GB3G2BA4E1194404	School	2014	CHEVROLET	14 PASSENGER SCHOOL BUS	8/15/2014	14 PASSENGER SCHOOL BUS
1GC3KZCG4BF131470	School	2011	CHEVROLET	SILVERADO PICKUP	1/7/2011	
1GD3G2AA3A1129823	School	2010	GMC	TG33503 14 PASSENGER BUS	7/8/2010	YELLOW BUS #15
1GBE5C1959F405520	School	2009	CHEVROLET	C5500 DIESEL UTILITY TRUCK	11/19/2008	WHITE
1FTNF21509EB29141	School	2009	FORD	F250 SUPER DUTY TRUCK	7/30/2009	BLUE
4UZABRDJ78CZ12619	School	2008	FREIGHTLINER	B2-106 School Bus # 4	8/31/2007	Bus # 4
1GTGG25V561192979	School	2006	GMC	TG2340 SAVANNA VAN	1/24/2006	DARK BLUE VAN FOR ELECTRICIAN. SAVANNA VAN
VIN# ENDING 17363	Water Rescr			7 YD DUMP TRUCK BODY	7/26/2017	TRUCK BODY ON VIN#17363 FA#200512078600000 INCLUDED IN VEH VALUE ON INS LISTING
5VGF2224ML001618	Water Rescr	2021	KAUFMAN	D TILT DEL 22'	11/30/2020	CONSTRUCTION TRAILER 15,000 LBS
3GTN9AEH8MG211013	Water Rescr	2021	GMC	SIERRA 1500 TRUCK	6/14/2021	PO#20210427
AT5A13236	Water Rescr	2019	BOBCAT	S770 T4 SKID-STEER LOADER	8/27/2019	LOADER \$50,407.22:BUCKET SN#1969 \$1,300 LESS TRADE-IN
1GCNKNEH7HZ135687	Water Rescr	2017	CHEVROLET	SILVERADO	12/8/2016	BID#11-17 PO#20170614
1JKDLA503JM016147	Water Rescr	2017	INTERSTATE	50DLA TRAILER	11/22/2017	TRAILER TO HAUL EXCAVATOR 50,000 LBS
1832	Water Rescr	2013	LUGGER HOIST	DUMPSTER GRIT TRUCK BODY	3/1/2013	INSTALLED ON VIN#1HTSDAAR4XH614127 - INCL'D IN VEH VALUE ON INS LISTING VIN#14127
434897ULVD75	Water Rescr	2012	DOOSAN	PORTABLE AIR COMPRESSOR	1/31/2012	REGISTERED AS 4FVCABAA9CU434897:

Vehicles as of March 3, 2022

Serial Number	Dept	Yr	Make	Model	Acquired	Comments
1GT02ZCG0BF150228	Water Resrc	2011	GMC	#TK20903 TRUCK	12/1/2010	
1HTWNAZT6BJ396112	Water Resrc	2011	FREIGHTLINER	& B10 AQUATECH VACUUM SEWER CLEANERTRUCK	12/8/2010	Aquatech Sewer and Catch Basin Cleaner
1FDWF3G59AEB04515	Water Resrc	2010	FORD	S-DTY F-350 TRUCK	2/1/2010	PLUS LIFTMORE CRANE \$9975 FA#201002868400002 2/19/10 TOTAL ASSET \$43544.00
C2851036	Water Resrc	2010	MULTIEQUIP	CONCRETE MIXER MODEL#MC64SH5	9/10/2010	REGISTERED FOR ROAD
1FTMF1EW3AKE43526	Water Resrc	2010	FORD	F150 TRUCK	9/14/2010	
WDYPPF145785233756	Water Resrc	2008	FREIGHTLINER	3500 SPRINTER 1 TON VAN	10/9/2008	WHITE-NEW TELEVISION INSPECTION UNIT
1FDWF36538EA61866	Water Resrc	2007	FORD	F 350 ONE TON DUMP	4/27/2007	USED CHEVY VIN...006939 AS A \$5025 TRADE IN DARK BLUE
1GTGG25U871253086	Water Resrc	2007	GMC	SAVANA VAN	9/7/2007	DARK BLUE
1GKDT13S272269180	Water Resrc	2007	GMC	ENVOY TT15506	6/15/2007	BLUE
1HTWPZR17J470316	Water Resrc	2007	INTERNATIONAL	7500 DUMP	5/25/2007	
1GNDU23167D170587	Water Resrc	2007	CHEVROLET	UPLANDER MINI-VAN	6/15/2007	BLUE
1FTRF12257NA55017	Water Resrc	2007	FORD	F150 PICK UP	4/11/2007	USED GMC VIN...528207 AS \$825 TRADE IN DARK BLUE
1GDJC34U47E136537	Water Resrc	2007	GMC	SIERRA 3500 1-TON DUMP	11/9/2006	USED GMC VIN...536534 AS TRADE IN FOR \$7000 DARK BLUE
1GTGG25U361157770	Water Resrc	2006	GMC	TG23405-SAVANA VAN	1/3/2006	WORK VAN-traded in '92 GMC van x506402 \$888
1FTNE24L86DB02607	Water Resrc	2006	FORD	E250 ECONOLINE VAN	8/2/2006	USED GMC VIN...F520779 AS TRADE IN FOR \$2500 DARK BLUE
1FVACYBS75HU17363	Water Resrc	2005	FREIGHTLINER	M2106 Catch Basin Truck	12/2/2004	7/26/17 \$14,550 DUMP TRUCK 7 YD BODY INSTALLED ON TRUCK- FA#201807868000000
DW544JZ599852	Water Resrc	2005	JOHN DEERE	544J	8/2/2005	Listing Price \$121,500 less \$43000 for trade ins Fiat Allis FR10 78T00201 \$18,000 Fiat Allis FR11 2T530302 \$25,000
1HTSDAAR4XH614127	Water Resrc	1999	INTL	TK 4900	7/14/1998	Dumpster Truck, GVW = 33,350 lb.

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Capital Improvement Plan

Glossary

Annual Budget – a budget applicable to a single fiscal year.

Appropriation – an authorization granted by City Council to a specified unit of City government to incur obligations and make expenditures of resources.

Assessment - the official valuation of property for purposes of taxation.

Bond – a written promise to pay a specified sum of money (called principal) at a specified date in the future, plus periodic interest at a specified rate. In the budget document these payments are identified as debt service. General Obligation Bonds are debt approved by voter referendum to which the full faith and credit of the City is pledged.

Budget – a plan for the acquisition and allocation of resources to accomplish specified purposes. The term may be used to describe special purpose fiscal plans or parts of a fiscal plan, such as “the budget of the Fire Department,” the Capital Budget” or it may relate to a fiscal plan for an entire jurisdiction, such as “the budget of the City of South Portland.”

Capital – a category of account codes which identify major expenditures of public funds, beyond maintenance and operating costs, for procurement of items such as vehicles, computer equipment, office furniture, and the acquisition or construction of a needed physical facility.

Capital Equipment – fixed assets such as automobiles, typewriters, furniture, technical instruments, etc., which have a life expectancy of more than one year and a value over five hundred dollars.

Capital Improvement Program (CIP) – a document which provides a prioritization and orderly implementation of short and long-range plans for land acquisition and construction of capital projects. It further provides for the scheduling of the associated expenditures over a period of seven years in order to maximize the use of public funds. The first year of the program represents the proposed capital budget for that fiscal year. The schedule is based on a series of priorities which take into consideration the respective projects’ function and urgency. In addition, special consideration is given to the projects’ relation to other improvements and plans, and the City’s current and anticipated financial capacity. The Capital Improvement Program is updated annually, at which time the schedule and the projects are reevaluated, new or deferred projects are added, and the time frame is extended by one additional fiscal year.

Capital Outlays – expenditures which result in the acquisition of or an addition to fixed assets.

Debt – an obligation resulting from the borrowing of money.

Debt Service – the accounting for payments of principal and interest on long-term debt.

Deficit – (1) the excess of the liabilities of a fund over its assets. (2) the excess of expenditures over revenues during an accounting period.

Designated Fund Equity – funds approved and set-aside for a specific defined purpose, by the City Council.

Fiscal Year – in the City of South Portland, the twelve months beginning July 1 and ending the following June 30th.

Fund – a fiscal and accounting entity with a self-balancing set of accounts that are segregated for the purpose of carrying on specific activities or attaining certain objectives in accordance with special regulations, restrictions or limitations.

Fund Balance – the excess of a fund’s assets over its liabilities and reserves.

Generally Accepted Accounting Principles – government accounting and financial reporting is guided by what are referred to as “generally accepted accounting principles” (GAAP) applicable to governmental units. These standards were formulated through the voluntary action of several professional groups and are evaluated and updated by the Government Accounting Standards Board (GASB).

General Fund – accounts for the general operations of the City. This fund accounts for all financial transactions and resources not required to be accounted for in an enterprise fund.

Operating Expenditures – a category of recurring expenses other than salaries and capital equipment costs, which covers expenditures necessary to maintain facilities, collect revenues, provide services and otherwise carry out the City’s goals. Typical line items are supplies, printing, postage, transportation and utilities.

Reserve – an account, which records a portion of the fund, balance which must be segregated for some future use and which is not available for future appropriation or expenditures.

Revenues – funds which the government receives as income. It includes such items as fees from specific services, boarding of prisoners, grants, and interest income.

Surplus – See Fund Balance.

Unappropriated or Undesignated Fund Balance – fund balance at close of fiscal year is not included in the annual budget.

SECTION IV
20-year CIP History

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**CITY OF SOUTH PORTLAND
CAPITAL IMPROVEMENT PROGRAM
APPROVED GENERAL OBLIGATION BONDS
20-YEAR HISTORY**

2022

There were no general obligation bonds issued as of March 11, 2022

2021

There were no general obligation bonds

2020

Cash Corner Fire Station and Improvements to the Police Station & other Fire Stations	\$7,000,000
Traffic and Pedestrian Improvements	\$2,275,000
New Middle School	<u>\$69,269,073</u>
	\$78,544,073

2019

There were no general obligation bonds

2018

There were no general obligation bonds

2017

There were no general obligation bonds

2016

There were no general obligation bonds

2015

Thornton Heights Separation Phases II, III and IV	\$3,500,000
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2014

Community Services Facility	\$14,000,000
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2013

There were no general obligation bonds

2012

There were no general obligation bonds

2011

South Portland High School Renovations **\$41,500,000**

2010

There were no general obligation bonds

2009

There were no general obligation bonds

2008

There were no general obligation bonds

2007

There were no general obligation bonds

2006

Street Paving Program **\$500,000**

2005

There were no general obligation bonds.

2004

There were no general obligation bonds.

2003

There were no general obligation bonds.

Functional Area	CIP Project	Department's Requested Project Cost	Manager's Recommended Project Cost	G.O. Bonds/Lease	Prior Year's CIP Balance	TIF Reserves	General Fund Reserves/ Operating	Other Fund Reserves/ Fund Balance	Grants	General Fund Balance	American Rescue Plan
FY 2022 CIP REQUEST											
Cultural and Recreational Facilities	Branch Library - Building Assessment	\$ 30,000	\$ 30,000								\$ 30,000
Cultural and Recreational Facilities	Recreation - Redbank Community Garden Project	\$ 66,850	\$ 66,850					\$ 5,000	\$ 51,850	\$ 10,000	
Environmental Protection	Water Resource Protection - Main Pump Station Force Main	\$ 90,592	\$ 90,592					\$ 90,592			\$ -
Environmental Protection	Water Resource Protection - Holding Tank Blower Replacement	\$ 22,500	\$ 22,500					\$ 22,500			\$ -
Environmental Protection	Water Resource Protection - Western Ave Generator Replacement	\$ 55,000	\$ 55,000					\$ 55,000			\$ -
Environmental Protection	Water Resource Protection - Meeting House Hill Utility Improvements Phase I	\$ 2,992,425	\$ 2,992,425			\$ 2,992,425					\$ -
Environmental Protection	Water Resource Protection - Sewer Lining	\$ 200,000	\$ 200,000					\$ 200,000			\$ -
Environmental Protection	Water Resource Protection - Electrical Van	\$ 52,141	\$ 52,141					\$ 52,141			\$ -
Environmental Protection	Water Resource Protection - Service Van	\$ 54,438	\$ 54,438					\$ 54,438			\$ -
General Government	Executive - Brownfields	\$ 120,000	\$ 120,000			\$ 120,000					
General Government	Economic Development - Wayfinding Signs - Phase Two	\$ 75,000	\$ 50,000			\$ 50,000					\$ -
General Government	Economic Development - Finance - Information Services - Community Broadband Network	\$ 410,000	\$ 410,000		\$ 60,000						\$ 350,000
General Government	Information Systems - Computer Reserve	\$ 50,000	\$ 70,000								\$ 70,000
General Government	Planning & Development - Comprehensive Plan	\$ 10,000	\$ 66,190		\$ 56,190						\$ 10,000
General Government	Code Enforcement - Filing System	\$ 48,000	\$ 48,000								\$ 48,000
Parks and Open Space	Parks - School Street Playground Replacement	\$ 97,438	\$ 97,438						\$ 87,694	\$ 9,744	\$ -
Parks and Open Space	Parks - One-half Ton Truck Replacement	\$ 28,000	\$ 28,000		\$ 6,557						\$ 21,443
Public Safety	Fire - Ladder 42 (and Engine 42) 2nd Quint Purchase	\$ 1,300,000	\$ 1,300,000		\$ 502,500		\$ 460,000				\$ 337,500
Public Safety	Fire - Defibrillator	\$ 36,000	\$ 36,000		\$ 5,000		\$ 21,000		\$ 10,000		\$ -
Public Safety	Fire - Command Vehicle - Car 45	\$ 49,500	\$ 49,500		\$ 49,500						
Public Safety	Police - Regional Crime Lab	\$ 12,000	\$ 12,000								\$ 12,000
Public Safety	Police - Taser Replacement	\$ 41,760	\$ 41,760		\$ 21,065						\$ 20,695
Public Safety	Police - Body Armor Replacement	\$ 24,750	\$ 24,750				\$ 12,375		\$ 12,375		\$ -
Public Safety	Police - Portable Radio Replacement	\$ 227,500	\$ 227,500								\$ 227,500
Public Safety	Police - AED Equipment Replacement	\$ 8,000	\$ 8,000								\$ 8,000

Functional Area	CIP Project	Department's Requested Project Cost	Manager's Recommended Project Cost	G.O. Bonds/Lease	Prior Year's CIP Balance	TIF Reserves	General Fund Reserves/ Operating	Other Fund Reserves/ Fund Balance	Grants	General Fund Balance	American Rescue Plan
Public Safety	Police - Vehicle Camera Replacement	\$ 75,000	\$ 75,000								\$ 75,000
Public Safety	Police - Radar Equipment Replacement	\$ 11,065	\$ 11,065								\$ 11,065
Public Safety	Police - Digital Storage (for body-worn and in-car video)	\$ 24,000	\$ 24,000								\$ 24,000
Public Works and Transportation	Planning & Development - Crosstown Road Environmental Permitting	\$ 10,000	\$ 10,000								\$ 10,000
Public Works and Transportation	Transportation - Transit Stop Access Project	\$ 315,000	\$ 315,000		\$ 14,500				\$ 252,000	\$ 48,500	\$ -
Public Works and Transportation	Transportation - Transit Bus Purchase	\$ 1,500,000	\$ 1,500,000		\$ 74,843		\$ 138,608	\$ 76,995	\$ 1,209,554		
Public Works and Transportation	Transportation - Transit Signal Priority	\$ 151,000	\$ 151,000						\$ 151,000		
Public Works and Transportation	MSF Exterior Improvements	\$ 14,980	\$ 14,980		\$ 14,980						
Public Works and Transportation	Landfill Venting System	\$ 213,000	\$ 213,000		\$ 30,000				\$ 170,000		\$ 13,000
Public Works and Transportation	Public Works Loader	\$ 260,000	\$ 260,000						\$ 260,000		
Public Works and Transportation	Public Works - Two Single-Axle Plow Trucks	\$ 404,000	\$ 404,000		\$ 20,000		\$ 28,500		\$ 355,500		
Public Works and Transportation	Public Works - Sidewalk Plow	\$ 157,000	\$ 157,000		\$ 28,500						\$ 128,500
Public Works and Transportation	Public Works - Sidewalk Program	\$ 500,000	\$ 215,312		\$ 5,259						\$ 210,053
Public Works and Transportation	Public Works - Pavement Roller	\$ 43,500	\$ 43,500								\$ 43,500
Cultural and Recreational **	Parks - 15 Passenger Recreation bus	\$ 75,000	\$ 75,000								\$ 75,000
Sustainability	Outreach Education		\$ 9,000								\$ 9,000
	FY22 TOTAL	\$ 9,855,439	\$ 9,630,941	\$ -	\$ 888,894	\$ 3,162,425	\$ 660,483	\$ 556,666	\$ 2,559,973	\$ 68,244	\$ 1,734,256

Functional Area	CIP Project	Department's Requested Project Cost	Manager's Recommended Project Cost	G.O. Bonds	Prior Year's CIP Balance	TIF Reserves	General Fund Reserves/Operating	Other Fund Reserves/Fund Balance	Grants	General Fund Fund Balance
FY 2021 CIP REQUEST										
Cultural and Recreational Facilities	Recreation - Renovate Community Center Space for Senior Drop-in Center (CDBG match)	\$ 52,250	\$ 52,250				\$ 12,750		\$ 39,500	
Cultural and Recreational Facilities	Recreation - SPCC - Pool Wall Repair	\$ 57,782	\$ 57,782							\$ 57,782
Cultural and Recreational Facilities	Recreation - SPCC - Pool Boiler Replacement	\$ 47,610	\$ 47,610							\$ 47,610
Cultural and Recreational Facilities	Recreation - SPCC - Skatepark Construction	\$ 450,000	\$ 450,000				\$ 115,948		\$ 112,500	\$ 221,552
Environmental Protection	Water Resource Protection - CSO Facilities Plan Update	\$ 300,000	\$ 300,000			\$ 300,000				
Environmental Protection	Water Resource Protection - Treatment Plant Electrical Service Phase 2	\$ 775,000	\$ 775,000					\$ 775,000		
Environmental Protection	Water Resource Protection - Unit #9 7-Yard Dump Truck Replacement	\$ 173,000	\$ 173,000					\$ 173,000		\$ -
Environmental Protection	Water Resource Protection - Unit #5 Pick-up Truck Replacement	\$ 29,000	\$ 29,000					\$ 29,000		\$ -
Environmental Protection	Water Resource Protection - 12,000 lb Construction Trailer	\$ 11,000	\$ 11,000					\$ 11,000		
Environmental Protection	Water Resource Protection - Paper Street/Sewer Easements	\$ 15,000	\$ 15,000							\$ 15,000
General Government	Economic Development - Branding	\$ 50,000	\$ 50,000			\$ 50,000				
General Government	Facilities - Study - Long Term Facilities Plan for Mahoney/ City Buildings	\$ 190,770	\$ 120,000			\$ 65,000				\$ 55,000
General Government	Facilities - Miscellaneous Tools, Equipment, and Utility Trailer	\$ 11,900	\$ 11,900							\$ 11,900
General Government	Facilities - Operations Software	\$ 16,300	\$ 16,300							\$ 16,300
General Government	Facilities - MSF Security Upgrades	\$ 50,000	\$ 50,000		\$ 50,000					
General Government	Finance - Tax Office Counters and Furniture	\$ 30,000	\$ 30,000				\$ 15,000			\$ 15,000
General Government	Information Systems - Virtual Network Controllers	\$ 85,000	\$ 85,000				\$ 85,000			
General Government	Information Systems - Back and Recovery Data System	\$ 75,000	\$ 75,000							\$ 75,000
General Government	Information Systems - Enterprise Data Server License	\$ 35,000	\$ 35,000				\$ 35,000			
General Government	Information Systems - Computer Reserve	\$ 50,000	\$ 30,000							\$ 30,000
General Government	Parks, Recreation & Waterfront - Portland Harbor Dredge	\$ 675,000	\$ 675,000			\$ 675,000				
General Government	Planning & Development - Comprehensive Plan Update (includes added focus on Maine Mall area and	\$ 150,000	\$ 120,000			\$ 50,000				\$ 70,000
Parks and Open Space	Parks - Veterans Monument at Mill Creek Park Rehab	\$ 20,000	\$ 20,000							\$ 20,000
Parks and Open Space	Waterfront - Thomas Knight Park Boat Launch Repair	\$ 65,000	\$ 65,000							\$ 65,000
Parks and Open Space	Parks/Planning & Development - Pleasantdale Greenbelt Walkway - Year One	\$ 50,000	\$ 50,000					\$ 50,000		
Public Safety	Fire - Vehicle Lifts for Mechanic	\$ 70,000	\$ 70,000		\$ 70,000					
Public Safety	Fire - Command Vehicle Car 44	\$ 55,000	\$ 55,000				\$ 55,000			

Functional Area	CIP Project	Project Cost	G.O. Bonds	Prior Yrs' CIP Bal. Accrued Int.	TIF Reserves	General Fund Reserves /Operating	Franchise Capital Reserve	Fund Res/Fund Balance	Grants	Fund Balance
FY 2020 CIP REQUEST										
Cultural and Recreational Facilities	Main Library - Inventory Management System - Phase II	\$ 34,000		\$ 18,781						\$ 15,219
Cultural and Recreational Facilities	Recreation - Wainwright Rec. Complex and City Fields Master Plan	\$ 45,000		\$ 45,000						
Cultural and Recreational Facilities	Recreation - Skatepark Planning (Applying for CDBG Grant)	\$ 40,000							\$ 15,000	\$ 25,000
Cultural and Recreational Facilities	Recreation - Rehab Redbank field for Rec improvements, Community Garden, Dog Park, small playing field (Applying for CDBG Grant)	\$ 85,653			\$ 500,000			\$ 1,154,610	\$ 77,088	\$ 8,565
Cultural and Recreational Facilities	Recreation - Pool ADA Doors for Locker Rooms	\$ 9,570								\$ 9,570
Environmental Protection	Water Resource Protection - Mechanic Street Pump Station Repairs	\$ 60,000						\$ 60,000		\$ -
Environmental Protection	Water Resource Protection - Pleasantdale Flow Evaluation/Modeling	\$ 115,000						\$ 115,000		\$ -
Environmental Protection	Water Resource Protection - Front Street & W High Phase II	\$ 1,654,610						\$ 1,154,610		\$ -
Environmental Protection	Water Resource Protection - Treatment Plant Electrical Service Phase III	\$ 602,500						\$ 602,500		\$ -
Environmental Protection	Water Resource Protection - Skid Steer	\$ 68,000						\$ 68,000		\$ -
Environmental Protection	Water Resource Protection - E Street Pump Station Repairs	\$ 60,000						\$ 60,000		\$ -
Environmental Protection	Water Resource Protection - Western Ave #1 Pump Station Repairs	\$ 25,000						\$ 25,000		\$ -
Environmental Protection	Water Resource Protection - Belt Filter Press Repairs	\$ 60,000						\$ 60,000		\$ -
General Government	Economic Development - Wayfinding Signs	\$ 100,000			\$ 100,000					\$ -
General Government	Facilities - Scissor lift	\$ 10,000								\$ 10,000
General Government	Facilities - Used pick-up truck	\$ 12,000								\$ 12,000
General Government	Finance - Assessing - Vision Appraisal Software Update	\$ 16,875		\$ 1,800						\$ 15,075
General Government	Information Systems - Computer Reserve	\$ 50,000								\$ 50,000
General Government	Land Bank Account	\$ 35,000								\$ 35,000
General Government	SPC-TV - HD Fiber Transmission Upgrade	\$ 10,000					\$ 10,000			
General Government	SPC-TV - Infrastructure and Production Equipment Outlay	\$ 5,000						\$ 5,000		
General Government	Parks - Portland Street Pier - Installation #1 - Reconstruction Reserve (PHASE I)	\$ 550,000		\$ 12,990	\$ 287,010				\$ 250,000	
General Government	Planning & Development - Hamlin Building Improvements	\$ 195,000			\$ 57,500					\$ 137,500
General Government	Planning & Development - Waterfront Master Plan	\$ 100,000		\$ 17,050	\$ 50,000					\$ 32,950
Parks and Open Space	Parks - Master Plan Development Willard Beach	\$ 50,000				\$ 40,000				\$ 10,000
Parks and Open Space	Parks - Deake Street Project	\$ 572,500				\$ 40,000			\$ 429,375	\$ 103,125
Parks and Open Space	Parks - 3/4 Ton Superduty 4 x 4 Drive Truck	\$ 45,300								\$ 45,300
Public Safety	Fire Department - Western Avenue Heating and HVAC	\$ 265,000	\$ 200,000							\$ 65,000
Public Safety	Fire Department - Command Vehicle CR-45	\$ 50,000		\$ 13,461		\$ 36,539				\$ -
Public Safety	Fire Department - Service Truck - One Ton ST-413	\$ 45,000				\$ 45,000				\$ -
Public Safety	Fire Department - Defibrillator	\$ 38,000		\$ 20,000					\$ 18,000	\$ -
Public Safety	FD and PD 1/2 in FY 19 and 1/2 in FY 20	\$ 250,000								\$ 250,000
Public Safety	Fire Department - Cash Corner Fire Station	\$ 7,500,000	\$ 6,000,000	\$ 1,500,000						
Public Safety	Fire Department - Study and Rehab façade at Central Fire Station	\$ 500,000	\$ 500,000							
Public Safety	Police Department - New Controls System	\$ 80,000	\$ 80,000							

Functional Area	CIP Project	Project Cost	G.O. Bonds	Prior Yrs' CIP Bal. Accrued Int.	TIF Reserves	General Fund Reserves /Operating	Franchise Capital Reserve	Fund Res/Fund Balance	Grants	Fund Balance	
Public Safety	Police Department - Roof Maintenance (1967 Section, 1997 Section and Garage	\$ 45,000	\$ 45,000								
Public Safety	Police Department - Boiler Conversion to Gas and Boiler Combustion Ventilation	\$ 45,000	\$ 45,000								
Public Safety	Police Department - VRF Heat Pumps	\$ 130,000	\$ 130,000								
Public Safety	Police Department - Regional Crime Lab	\$ 11,779								\$ 11,779	
Public Safety	Police Department - Tactical Body Armor Replacement	\$ 33,000				\$ 16,500			\$ 16,500		
Public Safety	Police Department - Dual Band Mobile Radios (dual-band for patrol and command)	\$ 150,000				\$ 75,000				\$ 75,000	
Transportation	Bus Service - Transit Bus Reserve	\$ 50,000								\$ 50,000	
Transportation	Bus Service - Two-way Radios	\$ 42,812		\$ 26,812					\$ 16,000		
Public Works and Transportation	Planning & Development - Pedestrian Warning Flashers	\$ 30,000								\$ 30,000	
Public Works and Transportation	Planning & Development - WIN 18636 Vachon, Lincoln, Broadway Multi Use Path	\$ 1,024,650			\$ 250,000	\$ 23,240			\$ 751,410		
Public Works and Transportation	Planning & Development - High Speed Internet Expansion in Knightville	\$ 97,000							\$ 97,000	\$ -	
Transportation	Public Works - Sidewalk Program	\$ 350,000		\$ 50,000						\$ 300,000	
Public Works and Transportation	Public Works - Two (2) - One Ton Trucks with Plow	\$ 170,000		\$ 10,000					\$ 160,000		
Transportation	Public Works-Superintendent-SUV	\$ 40,000							\$ 40,000		
Public Works and Transportation	Public Works - Municipal Services Facility - Compressed air lines	\$ 15,000				\$ 15,000				\$ -	
Transportation	Public Works - Traffic Signals Reserves	\$ 100,000			\$ 25,000					\$ 75,000	
Public Works and Transportation	Public Works - Traffic Signals - Broadway & Sokokis	\$ 180,000				\$ 40,000				\$ 140,000	
Parks and Open Space	Parks - Weed Steamer with Trailer	\$ 25,782		\$ 5,800						\$ 19,982	
		Total \$	15,879,031	\$ 7,000,000	\$ 1,721,694	\$ 1,269,510	\$ 331,279	\$ 15,000	\$ 2,145,110	\$ 1,870,373	\$ 1,526,065

Passed by City Council June 18, 2019 - RESOLVE 27-18/19

Functional Area	CIP Project	Project Cost	G.O. Bond	Prior Yrs' CIP Bal. Accrued Int.	TIF Reserves	General Fund Reserves /Operating	Franchise Capital Reserve	Fund Res/Fund Balance	Grants	Fund Balance
FY 2019 CIP REQUEST										
Cultural and Recreational Facilities	Recreation - Community Center Security Phase II	\$ 15,000								\$ 15,000
Cultural and Recreational Facilities	Recreation - Community Center Parking Lot Re-surfacing Nt	\$ 18,870								\$ 18,870
Environmental Protection	Water Resource Protection - Elm St Phase I - Pleasantdale/A	\$ 4,802,000		\$ 1,160,000	\$ 3,242,000	\$ 150,000		\$ 250,000		\$ -
Environmental Protection	Water Resource Protection - Treatment Plant Electrical Servi	\$ 1,216,000						\$ 1,216,000		\$ -
Environmental Protection	Water Resource Protection - Computerized Maintenance Man	\$ 173,500				\$ 86,750		\$ 86,750		\$ -
Environmental Protection	Water Resource Protection - Marsh Road Sewer Replacement	\$ 70,625						\$ 70,625		\$ -
General Government	Information Systems - Computer Reserve	\$ 25,000								\$ 25,000
General Government	Land Bank Account	\$ 35,000								\$ 35,000
General Government	SPC-TV - Council Chamber HD Camera Upgrade	\$ 23,750					\$ 23,750			\$ -
General Government	SPC-TV - Console HD Upgrade	\$ 22,755					\$ 22,755			\$ -
General Government	SPC-TV Workflow HD Upgrade	\$ 17,105					\$ 17,105			\$ -
General Government	SPC-TV Equipment Repair Reserve	\$ 2,000					\$ 2,000			\$ -
Parks and Open Space	Parks/Wainwright - Rehab Soccer Field	\$ 20,000								\$ 20,000
Parks and Open Space	Parks - #81-1/2 Ton Dump Truck w/plow replacement	\$ 40,710		\$ 28,402		\$ 9,232				\$ 3,076
Public Safety	Fire Department - Cash Corner Renovation	\$ 1,500,000		\$ 1,000,000						\$ 500,000
Public Safety	Fire and Police Department - Dispatch - CAD Upgrade	\$ 250,000								\$ 250,000
Public Safety	Fire Department - Ambulance 44 and Power Stretcher	\$ 290,000		\$ 301		\$ 272,699				\$ 17,000
Public Safety	Police Department - Mobile Computer Replacement	\$ 20,000							\$ 20,000	\$ -
Public Safety	Regional Crime Lab	\$ 13,955		\$ 4,767						\$ 9,188
Public Safety	Police Department - Patrol Rifle Replacement	\$ 24,000		\$ 8,788						\$ 15,212
Public Safety	Police Department - Digital Storage (for body-worn and in-ca	\$ 24,000								\$ 24,000
Public Works and Transportation	Bus Service - Transit Bus Local Match Escrow toward 2022 F	\$ 25,000								\$ 25,000
Public Works and Transportation	Planning & Development - Hamlin Building Improvements	\$ 100,000				\$ 100,000				\$ -
Public Works and Transportation	Planning & Development - Cottage Rd Traffic & Safety Impr	\$ 450,000								\$ 450,000
Public Works and Transportation	Planning & Development - WIN 18665 Broadway Corridor In	\$ 102,950			\$ 42,642			\$ 60,308		\$ -
Public Works and Transportation	Planning & Development - WIN 22138 Cash Corner Multi-Us	\$ 728,322			\$ 167,823			\$ 560,499		\$ -
Public Works and Transportation	Planning & Development - Mill Creek Gateway Improvement	\$ 135,200			\$ 135,200					\$ -
Public Works and Transportation	Planning & Development - Annual Traffic Signals Improve	\$ 77,500			\$ 77,500					\$ -
Public Works and Transportation	Planning & Development - WIN 22136 Broadway Traffic Sigr	\$ 331,988			\$ 82,997			\$ 248,991		\$ -
Public Works and Transportation	Public Works - Westbrook Street Project	\$ 1,400,000			\$ 350,000	\$ 450,000		\$ 600,000		\$ -
Public Works and Transportation	Public Works - Sidewalk Plow	\$ 145,000		\$ 80,000		\$ 65,000				\$ -
Public Works and Transportation	Public Works - Sidewalk Program	\$ 125,000		\$ 125,000						\$ -
Public Works and Transportation	Public Works - Plow Truck	\$ 195,000							\$ 195,000	\$ -
2019 Green CIP Projects										
General Government	Sustainability - Recycling Food Waste 13 gallon containers	\$ 30,000				\$ 30,000				\$ -
General Government	Sustainability - Pesticide Education and Outreach	\$ 10,000								\$ 10,000
General Government	Sustainability - Climate Action & Adaptation	\$ 110,000		\$ 14,000		\$ 30,000				\$ 66,000
General Government	Sustainability - Building Energy Grant Program	\$ 15,000		\$ 15,000						\$ -
Parks and Open Space	Parks - Organic Program - John Deere 15 series Overseeder	\$ 9,689		\$ 9,689						\$ -
Public Works and Transportation	Planning & Development - Hamlin Solar Buy-out	\$ 20,000								\$ 20,000
		Total	\$ 12,614,919	\$ -	\$ 4,098,162	\$ 1,193,681	\$ 65,610	\$ 1,623,375	\$ 1,684,798	\$ 1,503,346

Functional Area	CIP Project	Project Cost	G.O. Bond or Lease	Prior Yrs' CIP Bal. Accrued Int.	TIF Reserves	General Fund Reserves /Operating	Sewer User Fund Res/Fund Balance	Grants	Fund Balance
FY 2018 CIP REQUEST									
Cultural and Recreational Facilities	Main Library - Inventory Security System (RFID) - Phase 1	40,000							40,000
Cultural and Recreational Facilities	Main Library Parking Lot Reconstruction (Design)	30,000						270,000	30,000
Cultural and Recreational Facilities	Recreation - West End Community Center/Infrastructure	270,000		20,000					-
Cultural and Recreational Facilities	Recreation - SPCC - Security Upgrades	65,000		10,000		20,000			45,000
Cultural and Recreational Facilities	Recreation - SPCC - Therapy Spa and Pool Improvements 2	55,000							25,000
Environmental Protection	Water Resource Protection - Highland Avenue Stormwater Upgrade (Design)	30,000					30,000		
Environmental Protection	Water Resource Protection - 25 Ton Trailer	25,000					25,000		
Environmental Protection	Water Resource Protection - Sodium Hypochlorite Tanks	80,000					80,000		
Environmental Protection	Water Resource Protection - Aeration Flow Splitter Gate Valves	170,000					170,000		
Environmental Protection	Water Resource Protection - Secondary Clarifier Repairs	350,000					350,000		
Environmental Protection	Water Resource Protection - Treatment Plant Electrical Service Phase 1	804,000					804,000		
General Government	Information Technology - Sans Replacement	190,000				119,000			71,000
General Government	Land Bank Account	35,000							35,000
General Government	City Clerk - MUNIS/Tyler Technologies Business License Module	17,250		2,250					15,000
Parks and Open Space	Parks - #87-1/2 ton Pick up truck w/ plow replacement	40,000							40,000
Parks and Open Space	Parks - #80-1/2 Ton 2x4 Pick up Truck Replacement	30,000							30,000
Public Safety	Fire Department - Fire Truck -Quint Replacement	1,100,000				450,000			650,000
Public Safety	Fire Department - Defibrillator	35,000				25,000			10,000
Public Safety	Fire Department - Cash Corner Repairs/Upgrades	30,000							30,000
Public Safety	Fire Department - Shared Detection and Identification Meter with PD	60,000		4,500				20,000	40,000
Public Safety	Fire Department - Service Truck and Plow ST-411	40,000							35,500
Public Safety	Police Department - Computer Replacement - Mobile	25,000						12,500	12,500
Public Safety	Police Department - Interior Re-modeling and Furniture - Public Safety Secretary Office	25,000							25,000
Public Safety	Police Department - Regional Crime Lab	13,955		13,955					59,000
Public Safety	Police Department - Mechanical Controls Conversion	59,000							50,000
Public Works and Transportation	Bus Service - Transit Bus Reserve	50,000							
Public Works and Transportation	Planning & Development - Portland/SoPortland Multi-Modal Study (PACTS)	225,064		10,006	10,000			205,058	
Public Works and Transportation	Planning & Development - Broadway Traffic Signals at Evans and Lincoln (PDR -PACTS)	46,250		11,563				34,687	
Public Works and Transportation	Planning & Development - Cash Corner Multi-Use Path Intersection (PDR - PACTS)	57,031		14,258				42,773	
Public Works and Transportation	Planning & Development - Lincoln/Vachon/Broadway Multi-Use Path (PDR -PACTS)	341,550		39,264	29,046			273,240	
Public Works and Transportation	Planning & Development - Streight Purchase from CMP and Retrofit	1,200,000	1,000,000						200,000
Public Works and Transportation	Public Works - One (1) Truck with Plow/Front End Loader Equipped with wing and plow	250,000						250,000	
Public Works and Transportation	Public Works - Sidewalk Program	200,000						100,000	100,000
Public Works and Transportation	Public Works - Street Sweeper	285,000							
Total		6,274,100	1,000,000	125,796	39,046	649,000	1,709,000	1,208,258	1,543,000
General Government	2018 Green CIP Projects								
General Government	Sustainability - Energy Management Software	7,500				7,500			-
General Government	Sustainability - Climate Action Plan Update	14,000							14,000
Parks and Open Space	Wainwright - Versa Vac	25,000							25,000
Parks and Open Space	Parks - 1570 Outfront Mower (Tier 4 Emissions) - Replacement	28,000							28,000
Public Works and Transportation	Planning & Development - Mill Creek Benchmarking Assistance	18,000		18,000					-
Total		6,366,600	1,000,000	143,796	39,046	656,500	1,709,000	1,208,258	1,610,000

Council Order #186-16/17 - 5/1/17

Functional Area	CIP Project	Project Cost	G.O. Bond	Prior Yrs' CIP Bal. Accrued Int.	TIF Reserves	General Fund Reserve /Operating	Sewer User Fund Res/Fund Balance	Grants	Fund Balance
FY 2017 CIP REQUEST									
Cultural and Recreational Facilities	Recreation - SPCC - Municipal Therapy Spa	\$70,000				\$39,674			\$30,326
Cultural and Recreational Facilities	Recreation - SPCC - Roof Repairs	\$12,000							\$12,000
Cultural and Recreational Facilities	Recreation - SPCC - Transit Connect Van	\$31,000					\$17,999		\$31,000
Environmental Protection	Water Resource Protection - Cachibasin Debris Body	\$17,999					\$30,433		
Environmental Protection	Water Resource Protection - Collection Div 4 x 4 Pickup Unit #8	\$30,433					\$1,082,000		
Environmental Protection	Water Resource Protection - Control System Upgrade	\$1,082,000		\$230,000					
Environmental Protection	Water Resource Protection - Ottawa Road CSO	\$230,000							
Environmental Protection	Water Resource Protection - Thornton Heights Separation Phase III (\$1,700,000 bond approved by voters on November 4, 2014)	\$4,342,640	\$1,700,000	\$950,000	\$1,173,622		\$519,018		\$14,175
General Government	City Clerk - Voting Booths	\$14,175				\$40,000			\$30,000
General Government	Information Systems - Avaya Phone System Upgrade	\$40,000							
General Government	Information Systems - Computer Reserve	\$30,000							
General Government	Information Systems - Fiber Optic Infrastructure - Phase II	\$60,000			\$60,000				\$77,804
General Government	Information Systems - Microsoft Office and Exchange Upgrade	\$110,000		\$32,196					\$35,000
General Government	Land Bank Account	\$35,000							\$15,822
Parks and Open Space	Parks - #76-3/4 Ton Plow Truck Replacement	\$48,000		\$32,178					\$26,000
Parks and Open Space	Parks - Agricultural Tractor Upgrade	\$26,000				\$5,000		\$20,000	
Parks and Open Space	Parks - Greenbelt Update Year 1	\$25,000							\$63,000
Parks and Open Space	Parks - Groundskeeper 7200 Multipurpose Mower/Polar Trac 7210	\$63,000							\$9,950
Public Safety	Fire Department - Central Station Kitchen Reno /fire Suppression Syst.	\$20,000		\$10,050					\$290,000
Public Safety	Fire Department - Squad 4 Replacement	\$580,000				\$290,000			
Public Safety	Police Department - Body Armor Replacement	\$29,070						\$14,535	\$49,902
Public Safety	Police Department - Body Worn Cameras	\$68,328						\$18,426	\$39,855
Public Safety	Police Department - Conductor Electrical Weapons	\$39,855							\$18,000
Public Safety	Police Department - Regional Crime Lab	\$18,000							\$50,000
Public Works and Transportation	Bus Service - Transit Bus Reserve	\$50,000						\$5,000	\$7,000
Public Works and Transportation	Planning & Development - City Bicycle Plan	\$12,000						\$54,000	
Public Works and Transportation	Planning & Development - Greenbelt Pedestrian Bridge Preliminary Eng.	\$60,000			\$6,000				
Public Works and Transportation	Planning & Development - Mill Creek Improvements Design	\$36,000			\$36,000				\$501,537
Public Works and Transportation	Planning & Development - Mill Creek/PACTS Improvements	\$402,050		\$33,392					\$15,000
Public Works and Transportation	Planning & Development - West End Master Plan	\$30,000						\$24,000	\$2,603
Public Works and Transportation	Public Works - Pedestrian Crossing Flashers (3)	\$48,000		\$21,397					\$116,250
Public Works and Transportation	Public Works - Sidewalk Program	\$166,250							\$50,000
Public Works and Transportation	Public Works - Two (2) Trucks with Plows	\$360,000				\$94,000		\$266,000	

Functional Area	CIP Project	Project Cost	G.O. Bond	Prior Yrs' CIP Bal. Accrued Int.	TIF Reserves	General Fund Reserve /Operating	Sewer User Fund Res/Fund Balance	Grants	Fund Balance
2017 Green CIP Projects									
Cultural and Recreational Facilities	Recreation - LED Pool Lighting	\$22,000							\$22,000
Parks and Open Space	Parks - ProCore 1298 Aerator	\$32,000							\$32,000
Parks and Open Space	Parks - TopDresser	\$28,000							\$28,000
		Total	\$1,700,000	\$1,309,213	\$1,275,622	\$468,674	\$1,649,450	\$834,748	\$1,031,093

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SECTION V

School Facilities

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To: South Portland Board of Education and South Portland City Council

From: Tim Matheney, Superintendent

Re: FY 23 Capital Improvement Project (CIP) Plan Summary

Date: March 15, 2022

Cc: Scott Morelli, City Manager

This memo provides a preliminary summary of the proposed FY23 Capital Improvement Project (CIP). We have a reasonable list of anticipated projects throughout the district. We aim to provide a quality environment for learning today and be good stewards of our schools for the future. This summary includes the location, cost by location and brief description of projects.

Please don't hesitate to contact me if you have further questions or need additional information.

School/Department	Proposed FY23	Notes
Technology	\$0	
Brown	\$8,000	Straighten basketball stanchions
Dyer	\$0	
Kaler	\$0	
Skillin	\$0	
Small	\$0	
SPHS	\$53,500	Boiler stack pipes, wayfinding signs, HVAC units, and sewer repair
District-Wide	\$70,000	Replace maintenance van
Transportation	\$160,000	New state approved bus and 10 passenger student transportation van
Total CIP	\$301,300	

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FY23 Proposed CIP Expenditure Summary

TECHNOLOGY-RELATED CAPITAL PROJECTS

Category	Description of Task or Project	Comments	Est \$	Funded \$	Funding Source
None					
		Total	\$0	\$0	

BUILDING INFRASTRUCTURE CAPITAL PROJECTS

Brown Elementary School

Category	Description of Task or Project	Comments	Est \$	Funded \$	Funding Source
Safety/ Operations	Replace Outdoor Basketball Hoops	Poles are leaning these get heavy usage	\$8,000	\$8,000	Funds 0400 & 0401
		Total	\$8,000	\$8,000	

FY23 Proposed CIP Expenditure Summary

Dyer Elementary School

Category	Description of Task or Project	Comments	Est \$	Funded \$	Funding Source
None					
		Total	\$0	\$0	

Kaler Elementary School

Category	Description of Task or Project	Comments	Est \$	Funded \$	Funding Source
None					
		Total	\$0	\$0	

FY23 Proposed CIP Expenditure Summary

Skillin Elementary School

Category	Description of Task or Project	Comments	Est \$	Funded \$	Funding Source
None					
		Total	\$0	\$0	

FY23 Proposed CIP Expenditure Summary

Small Elementary School

Category	Description of Task or Project	Comments	Est \$	Funded \$	Funding Source
None					
		Total	\$0	\$0	

Mahoney Middle School

Category	Description of Task or Project	Comments	Est \$	Funded \$	Funding Source
None.					
		Total	\$0	\$0	

FY23 Proposed CIP Expenditure Summary

Memorial Middle School

Category	Description of Task or Project	Comments	Est \$	Funded \$	Funding Source
		Total	\$0	\$0	

FY23 Proposed CIP Expenditure Summary

South Portland High School

Category	Description of Task or Project	Comments	Est \$	Funded \$	Funding Source
Safety/ Operations	Boiler Stack Pipes	The boiler stack pipes are leaking into the boiler room and into the AD's office.	\$25,000	\$25,000	Maintenance Reserve
Operations/ Safety	Additional Wayfinding Signs	With the influx of new students and staff....additional wayfinding signs have become a need.	\$8,500	\$8,500	Maintenance Reserve
Safety/ Operations	Sewer Repair	1st floor...near room 150...reaccuring sewer backup that needs repair	\$15,000	\$15,000	Maintenance Reserve
Operations	Guidance Office HVAC	Installation of New mini-split units accomodate heating and cooling in new guidance offices	\$5,000	\$5,000	Fund 0455
		Total	\$53,500	\$53,500	

FY23 Proposed CIP Expenditure Summary

District-Wide

Category	Description of Task or Project	Comments	Est \$	Funded \$	Funding Source
Operations	Replace 2006 GMC van with a new service van.	Has significant frame and fuel line issues that won't allow it to pass inspection.	\$70,000	\$70,000	Maintenance Reserve
		Total	\$70,000	\$70,000	

FY23 Proposed CIP Expenditure Summary

TRANSPORTATION CAPITAL PROJECTS

Category	Description of Task or Project	Comments	Est \$	Funded \$	Funding Source
School Bus	Purchase one Type C bus (has State approval)	Replace aging bus used for daily student transportation to and from school	\$90,000	\$90,000	Local Budget
Van	Purchase one 10 passenger student transportation van	Increased ability to transport McKinney-Vento Students	\$70,000	\$70,000	ESSER2
		Total	\$160,000	\$160,000	

SCHOOL NUTRITION PROGRAM CAPITAL PROJECTS

Category	Description of Task or Project	Comments	Est \$	Funded \$	Funding Source
None					
		Total	\$0	\$0	