

**Part II: Capital Budget FY 25 - 29**



**Capital Reserve Annual Allocation**

	2021 Actual	2022 Actual	2023 Actual	2024 Actual	2025	2026	2027	2028	2029
Municipal Building	\$12,600.00	\$26,600.00	\$12,600.00	\$25,000.00	\$40,000.00	\$50,000.00	\$75,000.00	\$50,000.00	\$25,000.00
Fire Station	\$35,000.00	\$55,000.00	\$90,000.00	\$87,500.00	\$50,000.00	\$50,000.00	\$50,000.00	\$25,000.00	\$25,000.00
DPW Facility	\$0.00	\$0.00	\$0.00	\$25,000.00	\$50,000.00	\$75,000.00	\$75,000.00	\$75,000.00	\$75,000.00
Waterfront	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$25,000.00	\$25,000.00	\$30,000.00	\$40,000.00
Fire Truck	\$85,000.00	\$85,000.00	\$85,000.00	\$80,000.00	\$100,000.00	\$125,000.00	\$150,000.00	\$150,000.00	\$150,000.00
Fire Equipment	\$0.00	\$4,525.00	\$2,000.00	\$14,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$20,000.00
Police Vehicle	\$20,000.00	\$8,000.00	\$12,000.00	\$30,000.00	\$30,000.00	\$35,000.00	\$35,000.00	\$45,000.00	\$50,000.00
Highway Truck	\$8,000.00	\$8,000.00	\$10,000.00	\$20,000.00	\$35,000.00	\$35,000.00	\$30,000.00	\$30,000.00	\$20,000.00
Highway Equipment	\$6,000.00	\$5,000.00	\$5,000.00	\$10,000.00	\$25,000.00	\$35,000.00	\$45,000.00	\$35,000.00	\$25,000.00
Sidewalk	\$110,000.00	\$0.00	\$0.00	\$40,000.00	\$70,000.00	\$100,000.00	\$125,000.00	\$150,000.00	\$175,000.00
Paving, Drainage, Maint	\$109,000.00	\$225,000.00	\$108,000.00	\$125,000.00	\$150,000.00	\$200,000.00	\$250,000.00	\$250,000.00	\$250,000.00
Municipal Parking Lot	\$0.00	\$0.00	\$2,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Church St Sidewalk	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Bicycle Infrstructure	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Technology	\$0.00	\$4,000.00	\$4,000.00	\$17,000.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00
Comprehensive Plan	\$4,000.00	\$2,000.00	\$5,000.00	\$5,000.00	\$2,500.00	\$0.00	\$0.00	\$0.00	\$0.00
Cemetery	\$9,400.00	\$19,400.00	\$23,500.00	\$12,500.00	\$25,000.00	\$35,000.00	\$35,000.00	\$35,000.00	\$35,000.00
Landfill	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Town Clock	\$1,000.00	\$1,000.00	\$1,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Biscay Beach	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Property Revaluation	\$20,000.00	\$20,000.00	\$60,000.00	\$20,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00
Payroll Liability	\$0.00	\$0.00	\$0.00	\$0.00	\$15,000.00	\$20,000.00	\$20,000.00	\$15,000.00	\$10,000.00
<b>Total</b>	\$424,000.00	\$467,525.00	\$424,100.00	\$515,000.00	\$615,000.00	\$802,500.00	\$932,500.00	\$912,500.00	\$912,500.00
<b>Inc/Dec (\$)</b>		\$43,525.00	-\$43,425.00	\$90,900.00	\$100,000.00	\$187,500.00	\$130,000.00	-\$20,000.00	\$0.00
<b>Inc/Dec (%)</b>		10.27%	-9.29%	21.43%	19.42%	30.49%	16.20%	-2.14%	0.00%

	FYE 2022	FY 2023 Approp	FY 2023 Credit	FY 2023 Debit	FY 2024 Approp	FY 2024 Credit	FY 2024 Debit	Balance
Municipal Building	\$32,428.00	\$12,600.00	\$0.00	-\$23,013.00	\$25,000.00	\$0.00	\$0.00	\$47,015.00
Fire Station	\$99,593.00	\$90,000.00	\$0.00	\$0.00	\$87,500.00	\$0.00	-\$8,397.00	\$268,696.00
Highway Facilities	\$20,859.00	\$0.00	\$0.00	\$0.00	\$25,000.00	\$0.00	\$0.00	\$45,859.00
Waterfront Project	\$1,049,684.00	\$0.00	\$0.00	-\$53,820.58	\$0.00	\$0.00	-\$35,909.53	\$959,953.89
Fire Truck	\$254,475.00	\$85,000.00	\$36,137.00	-\$47,186.91	\$80,000.00	\$0.00	\$0.00	\$408,425.09
Fire Equipment	\$37,179.00	\$2,000.00	\$0.00	\$0.00	\$14,000.00	\$0.00	\$0.00	\$53,179.00
Police Vehicle	\$8,518.00	\$12,000.00	\$0.00	\$0.00	\$30,000.00	\$0.00	\$0.00	\$50,518.00
Highway Truck	\$24,000.00	\$10,000.00	\$0.00	\$0.00	\$20,000.00	\$0.00	\$0.00	\$54,000.00
Highway Equipment	\$29,527.00	\$5,000.00	\$0.00	\$0.00	\$10,000.00	\$0.00	\$0.00	\$44,527.00
Sidewalk	\$389,636.00	\$0.00	\$0.00	\$0.00	\$40,000.00	\$50,000.00	\$0.00	\$479,636.00
Paving	\$258,968.00	\$108,000.00	\$0.00	-\$699,559.37	\$125,000.00	\$68,128.51	-\$40,219.66	-\$179,682.52
Parking Lot	\$13,914.00	\$2,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$15,914.00
Church Street	\$94,975.00	\$0.00	\$126,995.00	-\$7,393.15	\$0.00	\$0.00	\$0.00	\$214,576.85
Bicycle Infrastructure (2023 Resolve	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Technology	\$12,191.00	\$4,000.00	\$0.00	-\$2,521.01	\$17,000.00	\$0.00	\$0.00	\$30,669.99
Comprehensive Plan	\$7,270.00	\$5,000.00	\$2,708.97	-\$5,208.97	\$5,000.00	\$0.00	-\$7,032.14	\$7,737.86
Cemetery Reserve	\$6,762.00	\$23,500.00	\$0.00	\$0.00	\$12,500.00	\$0.00	-\$35,700.00	\$7,062.00
Landfill	\$12,148.00	\$4,000.00	\$0.00	-\$330.00	\$4,000.00	\$0.00	\$0.00	\$19,818.00
Town Clock	\$12,061.00	\$1,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$13,061.00
Biscay Beach	\$3,758.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$3,758.00
Property Revaluation	\$40,000.00	\$60,000.00	\$0.00	\$0.00	\$20,000.00	\$0.00	\$0.00	\$120,000.00
(Salary Reserve) Payroll Liability	\$1,918.00	0	\$0.00	0	0	\$0.00	\$0.00	\$1,918.00
Pension Fund	\$54,490.00	\$0.00	\$0.00	\$0.00	0	\$0.00	\$0.00	\$54,490.00
Back Parking Lot Restrooms	-\$95,166.00	\$0.00	\$0.00	-\$10,760.00	0	\$0.00	\$0.00	-\$105,926.00
Dollar General Sidewalk	\$32,919.00	\$0.00	\$0.00	\$0.00	0	\$0.00	\$0.00	\$32,919.00
Bristol Rd	-\$251,869.00	\$0.00	\$0.00	\$0.00	0	\$0.00	\$0.00	-\$251,869.00
Total	\$2,150,238.00	\$424,100.00	\$165,840.97	-\$849,792.99	\$515,000.00	\$118,128.51	-\$127,258.33	\$2,396,256.16
	\$0.00							



**CAPITAL IMPROVEMENT PROJECT DEPARTMENT OVERVIEW**

Reserve Name:	Municipal Building	FY '23 Est Bal	\$22,015.00
CIP Period:	FY 2025 - FY 2029	FY '24 Approp.	\$25,000.00
Prepared By:	Andrew Dorr	FY '24 Exp.	\$0.00
Date:	2/19/2024	FY '25 Est Beg. Bal.	\$47,015.00

<b>Funding History</b>	<b>2021 Actual</b>	<b>2022 Actual</b>	<b>2023 Actual</b>	<b>2024 Actual</b>	<b>Total</b>
Appropriations	\$12,600.00	\$29,700.00	\$12,600.00	\$25,000.00	\$79,900.00
Expenditures	-\$5,126.69	-\$14,566.93	-\$23,013.00	\$0.00	-\$42,706.62

<b>Capital Projects/Expenditures</b>	5-Yr Projection					<b>Total</b>
	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	
Doors/Windows	-\$10,000.00	-\$5,000.00	-\$5,000.00			-\$20,000.00
Roof/Chimney (Inspect, Replace)						\$0.00
Exterior Paint (Trim)	-\$6,500.00					-\$6,500.00
HVAC System	-\$60,000.00					-\$60,000.00
Interior Painting	-\$5,000.00	-\$5,000.00	-\$5,000.00	-\$5,000.00		-\$20,000.00
Security/Camera System		-\$7,500.00	-\$10,000.00			-\$17,500.00
Floors (Admin & PD)	-\$7,500.00		-\$35,000.00	-\$12,500.00		-\$55,000.00
Basement (Remediation/File Storage)				-\$15,000.00	-\$15,000.00	-\$30,000.00
Walkways (410' total - increase to 6' wide)		-\$17,000.00				-\$17,000.00
Town Parking Lot/Drainage		-\$55,000.00				-\$55,000.00
Reny's Lot (22% share)			-\$41,800.00			-\$41,800.00
<i>Target Funding</i>	-\$89,000.00	-\$89,500.00	-\$96,800.00	-\$32,500.00	-\$15,000.00	-\$322,800.00

<b>Appropriations/Revenues</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>Total</b>
<b>Estimated Tax Appropriation</b>	<b>\$40,000.00</b>	<b>\$50,000.00</b>	<b>\$75,000.00</b>	<b>\$50,000.00</b>	<b>\$25,000.00</b>	<b>\$240,000.00</b>
Estimated Grant Funds/Reimbursements	\$13,000.00	\$25,000.00				\$38,000.00
Donations						\$0.00
						\$0.00
<i>Est Appropriation/Revenue</i>	<i>\$53,000.00</i>	<i>\$75,000.00</i>	<i>\$75,000.00</i>	<i>\$50,000.00</i>	<i>\$25,000.00</i>	<b>\$278,000.00</b>
Est Balance	\$11,015.00	-\$3,485.00	-\$25,285.00	-\$7,785.00	\$2,215.00	





**Fire Department Capital Reserve Account 10-year Plan**

Starting Balance	FY23	FY24	FY25	FY26	FY27	FY28	FY29	FY30	FY31	FY32	FY33	FY34
<b>Equipment</b>	\$37,179.00	\$39,179.00	\$2,179.00	\$2,179.00	\$17,179.00	\$2,179.00	\$17,179.00	\$7,179.00	\$17,179.00	\$2,179.00	\$12,179.00	\$22,179.00
<b>Truck</b>	\$254,475.00	\$328,425.09	\$408,425.09	\$678,425.09	\$84,425.09	\$354,425.09	\$624,425.09	\$30,425.09	\$300,425.09	\$570,425.09	\$840,425.09	\$1,110,425.09
<b>Station</b>	\$99,593.00	\$189,593.00	\$268,696.00	\$263,696.00	\$93,696.00	\$163,696.00	\$213,696.00	\$223,696.00	\$233,696.00	\$243,696.00	\$253,696.00	\$263,696.00
<b>Expected Expenses</b>												
<b>Equipment</b>	\$0.00	\$51,000.00	\$0.00	\$0.00	\$30,000.00	\$0.00	\$30,000.00	\$0.00	\$30,000.00	\$0.00	\$0.00	\$0.00
<b>Truck</b>	\$47,186.91	\$0.00	\$0.00	\$864,000.00	\$0.00	\$0.00	\$864,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Station</b>	\$0.00	\$8,397.00	\$95,000.00	\$240,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Budget</b>												
<b>Equipment</b>	\$2,000.00	\$14,000.00	\$0.00	\$15,000.00	\$15,000.00	\$15,000.00	\$20,000.00	\$10,000.00	\$15,000.00	\$10,000.00	\$10,000.00	\$10,000.00
<b>Truck</b>	\$121,137.00	\$80,000.00	\$270,000.00	\$270,000.00	\$270,000.00	\$270,000.00	\$270,000.00	\$270,000.00	\$270,000.00	\$270,000.00	\$270,000.00	270000
<b>Station</b>	\$90,000.00	\$87,500.00	\$90,000.00	\$70,000.00	\$70,000.00	\$50,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00
<b>Total Budget</b>	<b>\$213,137.00</b>	<b>\$181,500.00</b>	<b>\$360,000.00</b>	<b>\$355,000.00</b>	<b>\$355,000.00</b>	<b>\$335,000.00</b>	<b>\$300,000.00</b>	<b>\$290,000.00</b>	<b>\$295,000.00</b>	<b>\$290,000.00</b>	<b>\$290,000.00</b>	<b>\$270,000.00</b>
<b>Ending Balances</b>												
<b>Equipment</b>	\$39,179.00	\$2,179.00	\$2,179.00	\$17,179.00	\$2,179.00	\$17,179.00	\$7,179.00	\$17,179.00	\$2,179.00	\$12,179.00	\$22,179.00	\$22,179.00
<b>Truck</b>	\$328,425.09	\$408,425.09	\$678,425.09	\$84,425.09	\$354,425.09	\$624,425.09	\$30,425.09	\$300,425.09	\$570,425.09	\$840,425.09	\$1,110,425	\$1,380,425
<b>Station</b>	\$189,593.00	\$268,696.00	\$263,696.00	\$93,696.00	\$163,696.00	\$213,696.00	\$223,696.00	\$233,696.00	\$243,696.00	\$253,696.00	\$263,696.00	\$263,696.00

Expense Description	Expense Year	Expense Account	Amount
Parking lot	FY23	Station	\$125,000.00
Air bottles	FY24	Equipment	\$51,000.00
Insulation	FY24	Station	\$25,000.00
Roof	FY25	Station	\$80,000.00
Generator	FY25	Station	\$15,000.00
Driveway	FY26	Station	\$240,000.00
Ladder	F26/29	Truck	\$1,728,000.00
Air packs	FY27-31	Equipment	\$90,000.00
Station Heat	FY39	Station	\$165,000.00

**Town of Damariscotta**  
**Capital Improvement Plan Request**

Project Name: Replace Heating System for Fire Station

Department: Fire Department

Contact Person: Chief John Roberts

Proposed Funding Source(s) Station Maintenance Fund

**Project Description/Scope:**

This plan has been updated to reflect the failed boiler in FY24 which required replacement. This is now a placeholder for a future change of the system in approximately 15 years (FY39). Will identify potential methods of heating as the time for replacement nears, either geothermal, oil, propane or other. Estimating \$165,000 to provide options for the heat source. This is the current estimate for a geothermal system capable of providing the same BTU output as calculated by heating oil usage. This estimate is based on a 13 ton water-to-water geothermal system. It includes 4- 500' bore holes (2000'); field looped, grouted, fusion welding, into the building, tested, flushed and glycol. 1- 5 ton water to water geo unit; 2-4 ton water to water geo unit; 3- pumping modules for the geo units; 1-120 gallon buffer tank. It also includes piping and control systems to heat the current radiant heat piping installed in the concrete floor of the station.

Project Location: (Attach map where applicable): Damariscotta Fire Station

Need/justification/benefits (List project objectives, benefits and how the Town will measure success. Include return on investment where appropriate and project risks)

A geothermal system is more efficient to operate each year. It uses only electricity and no fuel. The electricity usage can be offset by solar panels that exist or can be expanded to include the additional electricity needed. Long-term costs will be lower to heat the station and will also heat the area with a lower carbon footprint. The cost to heat the station each year has been about \$9,000 per year and the furnace uses a little more than 3,000 gallons of oil per year on average.

According to a guide to heating costs at efficiencyMaine, a system which costs \$4804 per year to heat with an oil furnace would cost \$1,681 as a geothermal heat pump system. This ratio indicates that the costs to run a geothermal heating system will be 35% of the costs of an oil based system. Historically, this would be about \$6,000 savings per year. The cost to replace the oil system is about \$25,000. The expected payoff would be about 18 years. With geothermal wells expected to have a 50-year life, and the potential to expand the town's solar generation capacity to offset the geothermal system. There is cost savings potential at the same time as making the station heating system more efficient and with less environmental impact. Start funding in FY30 for 10 years at \$16,500 per year or amount that reflects costs closer to construction.

Estimated Total Project Costs:	previous years	2024	2025	2026	2027	2028	Total
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Design/Pre-design/Engineering/Architect:

Land/Right of Right of Way Acquisition:

Construction:	\$0	\$0	\$0	\$0	\$0	\$0	\$165,000
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Furniture/Fixtures/ Equipment:

Contingency:

Other (specify):

Totals by Year:	\$0	\$0	\$0	\$0	\$0	\$0	\$165,000
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<b>Project Funding by year</b>	<b>\$5,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$165,000</b>
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**Fire Department Capital Reserve Account 10-year Plan**

Starting Balance	FY23	FY24	FY25	FY26	FY27	FY28	FY29	FY30	FY31	FY32	FY33	FY34
<b>Equipment</b>	\$37,179.00	\$39,179.00	\$2,179.00	\$2,179.00	\$17,179.00	\$2,179.00	\$17,179.00	\$7,179.00	\$17,179.00	\$2,179.00	\$12,179.00	\$22,179.00
<b>Truck</b>	\$254,475.00	\$328,425.09	\$408,425.09	\$678,425.09	\$84,425.09	\$354,425.09	\$624,425.09	\$30,425.09	\$300,425.09	\$570,425.09	\$840,425.09	\$1,110,425.09
<b>Station</b>	\$99,593.00	\$189,593.00	\$268,696.00	\$263,696.00	\$93,696.00	\$163,696.00	\$213,696.00	\$223,696.00	\$233,696.00	\$243,696.00	\$253,696.00	\$263,696.00
<b>Expected Expenses</b>												
<b>Equipment</b>	\$0.00	\$51,000.00	\$0.00	\$0.00	\$30,000.00	\$0.00	\$30,000.00	\$0.00	\$30,000.00	\$0.00	\$0.00	\$0.00
<b>Truck</b>	\$47,186.91	\$0.00	\$0.00	\$864,000.00	\$0.00	\$0.00	\$864,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Station</b>	\$0.00	\$8,397.00	\$95,000.00	\$240,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Budget</b>												
<b>Equipment</b>	\$2,000.00	\$14,000.00	\$0.00	\$15,000.00	\$15,000.00	\$15,000.00	\$20,000.00	\$10,000.00	\$15,000.00	\$10,000.00	\$10,000.00	
<b>Truck</b>	\$121,137.00	\$80,000.00	\$270,000.00	\$270,000.00	\$270,000.00	\$270,000.00	\$270,000.00	\$270,000.00	\$270,000.00	\$270,000.00	\$270,000.00	270000
<b>Station</b>	\$90,000.00	\$87,500.00	\$90,000.00	\$70,000.00	\$70,000.00	\$50,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	
<b>Total Budget</b>	<b>\$213,137.00</b>	<b>\$181,500.00</b>	<b>\$360,000.00</b>	<b>\$355,000.00</b>	<b>\$355,000.00</b>	<b>\$335,000.00</b>	<b>\$300,000.00</b>	<b>\$290,000.00</b>	<b>\$295,000.00</b>	<b>\$290,000.00</b>	<b>\$290,000.00</b>	<b>\$270,000.00</b>
<b>Ending Balances</b>												
<b>Equipment</b>	\$39,179.00	\$2,179.00	\$2,179.00	\$17,179.00	\$2,179.00	\$17,179.00	\$7,179.00	\$17,179.00	\$2,179.00	\$12,179.00	\$22,179.00	\$22,179.00
<b>Truck</b>	\$328,425.09	\$408,425.09	\$678,425.09	\$84,425.09	\$354,425.09	\$624,425.09	\$30,425.09	\$300,425.09	\$570,425.09	\$840,425.09	\$1,110,425	\$1,380,425
<b>Station</b>	\$189,593.00	\$268,696.00	\$263,696.00	\$93,696.00	\$163,696.00	\$213,696.00	\$223,696.00	\$233,696.00	\$243,696.00	\$253,696.00	\$263,696.00	\$263,696.00

Expense Description	Expense Year	Expense Account	Amount
Parking lot	FY23	Station	\$125,000.00
Air bottles	FY24	Equipment	\$51,000.00
Insulation	FY24	Station	\$25,000.00
Roof	FY25	Station	\$80,000.00
Generator	FY25	Station	\$15,000.00
Driveway	FY26	Station	\$240,000.00
Ladder	F26/29	Truck	\$1,728,000.00
Air packs	FY27-31	Equipment	\$90,000.00
Station Heat	FY39	Station	\$165,000.00

# DAMARISCOTTA FIRE DEPARTMENT

## FY25 FIRE APPARATUS REPLACEMENT PLAN

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### Executive Summary

This plan is intended to provide a long-term roadmap for apparatus replacement for the Massasoit Engine Company/Damariscotta Fire Department. Details about the current fleet of fire apparatus and the notional replacement schedule for the fleet is the primary focus, so that funding can be planned. The Department currently has four major pieces of apparatus in its fleet. They consist of one front line pumper, one aerial quint (ladder truck), one rescue-pumper and one tanker-pumper. According to NFPA 1901, the standard for automotive fire apparatus, the serviceable age of vehicles should be limited to 25 years of age. This plan will use the general age of 25-30 years as an expected service life.

There are some major changes to this plan for this fiscal year. Fire apparatus purchasing has experienced dramatic changes over the past few years. One of the major manufacturers of fire apparatus has implemented price increases of 19.5%, 19.5%, and 12% over the past three years. All other major manufacturers have implemented similar increases. When the last three years of increases are compounded, it is equivalent to a 60% increase in the cost of these vital pieces of firefighting equipment. In addition, fire truck manufacturers have also built in a much longer build cycle, with orders taking 30-36 months to fulfill. Both of these major changes have been built into this plan, which has also resulted in a dramatic shift in how the department is planning for replacement of Engine 1 and Ladder 4.

This plan outlines a recommendation for funding that does not involve borrowing funds to pay for vehicle purchases. It should be noted that if current bond rates (around 4%) and apparatus price changes remain similar to the last couple of years, than it would be advantageous to consider a bond to fund the replacement of Ladder 4 sooner than outlined in this plan. Because of a long build time (about 3 years), large jumps in apparatus prices, and the extremely large burden of building the reserves to meet an appropriate timeline (\$270,000 per year), a 10-year bond to start the purchase of the ladder truck now would lock in a lower truck price and reduce the yearly costs to achieve the purchase.

### Apparatus Service Life Expectancy

Many fire departments use general guidelines for expected service life of a piece of apparatus. This ranges from 10-15 years for front line use and 5-10 years for reserve (back-up) use. Generally, this equates to an expected service life of apparatus to be 15 to 25 years. Annex D of NFPA Standard 1901, Standard for Automotive Fire Apparatus provides more specific guidance

on apparatus age and its use. Specifically, it states: “Because the changes, upgrades and fine tuning to NFPA 1901, Standard for Automotive Fire Apparatus, have been truly significant, especially in the area of safety, fire departments should seriously consider the value (or risk) to fire fighters of keeping fire apparatus older than 15 years in first-line service.” In addition, the standard also states: “It is recommended that apparatus greater than 15 years old that have been properly maintained and that are still in serviceable condition be placed in reserve status and upgraded in accordance with NFPA 1912, Standard for Fire Apparatus Refurbishing, to incorporate as many features as possible of the current fire apparatus standard... Apparatus that were not manufactured to the applicable NFPA fire apparatus standards or that are over 25 years old should be replaced.” The Damariscotta Fire Department ensures that preventative maintenance is provided to all apparatus with hopes that this will help promote a longer service life. For the purposes of this plan, a target service life of between 25-30 years will be used. This has been achieved in the past and will hopefully continue into the future.

The NFPA standard does not suggest that equipment will fail or be un-serviceable when the end of the expected service life is reached, but instead focuses on the safety aspects of the modifications of apparatus standards and the increased probability of mechanical failure. It is also likely that maintaining the equipment in good working order past 25 to 30 years of age will become increasingly expensive, due both to parts availability and the increasing failure rate. This plan does not suggest that all apparatus will last for the amount of time outlined, but this age can be used as an average for planning purposes. Actual equipment replacement will depend on a number of factors such as safety concerns, regulation/standard changes, maintenance costs, federal mandates and part availability/obsolescence. These factors are not further discussed in this document.

### Vehicles in Current Inventory

The Damariscotta Fire Department has been fortunate to receive the current apparatus and that this equipment has had a long serviceable life. Unfortunately, two of the most expensive apparatus are within one year of age. This will place an enormous burden on the community in the next decade with Engine 1 and Ladder 4 needing replacement in close proximity. A full listing of all of the current apparatus is contained in the Table 1, below.

**Table 1: Current Apparatus Inventory (FY25 Ages)**

Apparatus ID	Year	Age (FY25 )	Make	Pump Size (GPM)	Tank Size (Gallons )	Large Dia Hose	Other Features
Engine 1 (E-1)	2002	23	Pierce	1500	1000	1500' - 4"	5 man custom cab



Engine 2 (E-2)	2018	7	Rosenbauer	1500	1000	1000' - 4"	5 man custom cab 10kW Generator
Engine 3 (E-3)	2014	11	Rosenbauer	1500	2000	1000' - 4"	2 man commercial cab
Ladder 4 (L-4)	2003	22	E-One	2000	500	1000' - 5"	15kW Generator 100 foot aerial 6 man cab
Truck 5 (T-5)	2017	8	Dodge Ram 3500	N/A	N/A	N/A	6 man cab – 4x4

Our major fire apparatus fleet consists of three vehicle types: (1) Pumper; (2) Aerial; and (3) Water Tanker. The National Fire Protection Agency (NFPA) Standard 1901 covers vehicle requirements for the fire service. This specification covers the required pump capacity, tank capacity, safety requirements, minimal equipment, hose and details that must be met to be certified. All new apparatus must be manufactured to this standard in order to be sold as fire apparatus, with the most recent edition being issued in 2016 which Engine 2 meets. Engine 3 is the only apparatus which meets the previous standard (2009). One apparatus meets the next previous version of the standard (2003): Ladder 4. Engine 1 meets the 1999 version of the standard which is now four versions old. It is expected that the next standard will go into effect in 2024.

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Engine 2 is a custom built fire truck from Rosenbauer and serves as a rescue-pumper. This is the first apparatus to respond to vehicle accidents, rescues and hazardous materials calls. It was placed into service in February 2019. This apparatus as well as the purchase of Truck 5 allowed for the replacement of two apparatus and represented the second step in a fleet modernization project that started in 2013. The last steps will be to provide some separation in the purchasing of replacements for Engine 1 and Ladder 4. The current estimated replacement cost for this apparatus is \$800,000 (FY25)

Engine 3 was procured new and was received in November 2014. This apparatus was the first step in modernizing the fleet and marked the first purchase of a fire truck since 2006. Engine 3 is a two person commercial International cab built by Rosenbauer and operates as a tanker-

pumper. This truck allowed for the replacement of two apparatus, reducing maintenance and testing costs. The current estimated replacement cost of this apparatus is \$700,000 (FY25)

Ladder 4 is referred to as a “Quint” because it serves five functions for the fire service: (1) Aerial device (attached ladder); (2) Pump; (3) Carries water; (4) Carries hose; and (5) Carries ground ladders. The aerial (mounted ladder) is 100’ long which was chosen based on the horizontal reach required for many of the structures around town. The Hospital complex is one case where the vehicle cannot get close enough to the structure for a shorter ladder to work. This truck is the most expensive owned by the Town. The Department was fortunate to find this vehicle as a left over demonstration truck and was able to purchase it for approximately \$600,000 which was considerably less than the close to \$800,000 price tag (FY06 figure). The multi-purpose use of the truck is essential since it can operate independently and also provide its own water source. This proved invaluable during a fire on densely packed part of Church Street where a fully involved fire was contained to just one building. The aerial was able to flow water on one side and an engine company was able to enter the building to contain the spread. The current estimated replacement cost for this apparatus is \$1,600,000 (FY25).

### **Required Apparatus – Town Coverage**

In order to determine if the future apparatus would provide sufficient coverage for Damariscotta, various call scenarios are provided in Appendix A. These scenarios show the current (FY25) fleet response based on a reduction of major apparatus to four and Truck 5.

A large portion of the Town does not have hydrant coverage (approx 65%) and these areas require a tanker shuttle in order to fight and extinguish a fire. This drives the need for the Department to maintain a tanker in service, which was replaced in FY14. When this type of shuttle is required, several other towns respond with their tankers to provide the necessary water to continue firefighting operations. The other critical portion of a tanker shuttle includes pumpers at remote sites to draft from static water sources. The future fleet includes a primary attack truck (E1) that attacks the fire, E3 forming part of the tanker shuttle and E2 at a draft site to fill the tankers.

For future years if Engine 1 is not replaced, the plan would be to rely on mutual aid to fill those needs until a replacement for Engine 3 was planned. This tanker capability would then be phased out, again relying on mutual aid to fill the gap.

### **Rising Costs of Apparatus and Extended Build Times**

Apparatus prices experienced dramatic increases throughout the industry. Price increases implemented by E-One were provided by a local representative. Over the past three years the increases were 19.5% from 2020 to 2021, 19.5% from 2021 to 2022 and 12% from 2022 to 2023. The compound effect of these three increases resulted in a 60% increase in the cost of

fire trucks over the past three years. It is unclear what will happen over the next few years, but there are no indications that prices have stabilized.

As a result of increases, the plan for this fiscal year has an 8% per year increase built into all budgeting numbers. This has a huge impact on the budgeting figures used in previous years. There is a lot of uncertainty in future costs, so only the projected numbers for Ladder 4 and Engine 1 would be sufficient for near term budgeting.

The impact for the ladder truck's replacement cost with an 8% per year increase would equate to the cost of the truck increasing approximately \$128,000 per year. For this reason, this truck has been pulled forward to replace sooner than previously planned, with the expected replacement to arrive when the current truck is 29 years old.

Longer build times have also resulted in greater discounts for prepayment options. For budget plans, a 50% deposit is planned at the time of ordering with the balance planned three fiscal years after the order is placed.

### **New vs. Used Apparatus**

For the purposes of this plan, new vehicle prices were used for determining replacement cost. There could be savings achieved by utilizing used apparatus, but this would also affect the replacement time frame as well. Most used apparatus are at least 10-15 years old, come from full-time Departments, and have more service hours on them than our Department would subject them to, all which reduce the expected service life.

The near-term needs of replacing Ladder 4 will drive the budget figures over the next five years, regardless of the plan for Engine 1. A used ladder is not considered under this plan, as there does not seem to be a lot of low year ladders on the market.

A used replacement for Engine 1 may be the best option depending on the used truck market in the next 7 to 10 years. Currently, due to the high costs of apparatus, Engine 1's replacement has been delayed. The plan will be to get the most life out of Engine 1 as possible. If there should be a catastrophic failure of the apparatus, Engine 2 will be used to fill the gap as well as relying more on mutual aid from surrounding departments.

### **Amortization and Apparatus Inflation**

Through a planned reduction of major apparatus from six to four pieces since 2013, a reduced burden has been achieved for the department and Town on both purchasing and maintenance costs. A rough estimate of the current replacement value for two engines, one aerial quint, and one engine/tanker is approximately \$3.998 Million (FY25 dollars) or \$133,000 per year average. In order to avoid financing apparatus each time a purchase is needed, the Town would need to

average a yearly contribution of \$133,000 plus the year to year increase in apparatus costs into the Fire truck Capital reserve account.

Historical prices usually increased between 2 and 5 percent per year. More recently, many other economic events, such as material costs, inflation, and supply chain shortages have lead to rapid increases in apparatus pricing, and much longer delivery times. When the costs of future year dollars are accounted for, the yearly contribution to the Capital reserve account will need to be increased by a substantial amount. This plan includes an 8% year to year increase.

In order to balance the cost of renewing the DFD’s apparatus, a consistent time period for apparatus replacement should be established. If the goal was to maintain four apparatus in service each for 25-30 years, this would require replacing a truck every six to eight years

Future pricing of fire trucks is unknown, but the recent increases make it risky to assume current prices remain in effect for budgeting purposes. Table 2, below, shows the current replacement values inflated at 8% per year for the purposes of establishing target budget numbers to use for the next two apparatus.

**Table 2: Apparatus Price Inflation**

FY	Engine 1 Est. Replacement \$	Engine 2 Est. Replacement \$	Engine 3 Est. Replacement \$	Ladder 4 Est. Replacement \$
2025	\$800,000.00	\$800,000.00	\$675,000.00	\$1,600,000.00
2026	\$864,000.00	\$864,000.00	\$729,000.00	<b>\$1,728,000.00</b>
2027	\$933,120.00	\$933,120.00	\$787,320.00	\$1,866,240.00
2028	\$1,007,769.60	\$1,007,769.60	\$850,305.60	\$2,015,539.20
2029	\$1,088,391.17	\$1,088,391.17	\$918,330.05	\$2,176,782.34
2030	\$1,175,462.46	\$1,175,462.46	\$991,796.45	\$2,350,924.92
2031	\$1,269,499.46	\$1,269,499.46	\$1,071,140.17	\$2,538,998.92
2032	\$1,371,059.42	\$1,371,059.42	\$1,156,831.38	\$2,742,118.83
2033	\$1,480,744.17	\$1,480,744.17	\$1,249,377.89	\$2,961,488.34
2034	<b>\$1,599,203.70</b>	\$1,599,203.70	\$1,349,328.12	\$3,198,407.40
2035	\$1,727,140.00	\$1,727,140.00	\$1,457,274.37	\$3,454,280.00



2036	\$1,865,311.20	\$1,865,311.20	\$1,573,856.32	\$3,730,622.40
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### Plan for Replacement (assumed 30 year service life)

The following plan includes a time-table for replacing the fleet of fire apparatus for the DFD. The prices listed are rough estimates and are a reflection of FY25 dollars. The recommended replacement year on the Table below is based solely on apparatus age. All vehicles are expected to be replaced with like vehicles. In order to gain separation in ages between Engine 1 and Ladder 4, Engine 1’s expected replacement will be planned for FY37 at an age of 35 years. The plan will include replacing Ladder 4 at 29 years of age in FY29, with the order being placed in FY26.

**Table 3: Recommended Replacement Fiscal Year based on Age**

Apparatus ID	Year	Apparatus Age (FY25)	Expected Years of Service Life	Recommended Replacement Year	Replacement Cost (FY25 \$)
Engine 1	2002	23	35	2037	\$800,000
Engine 2	2018	7	30	2048	\$800,000
Engine 3	2014	11	30	2044	\$675,000
Ladder 4	2003	22	26	2029	\$1,600,000
Truck 5	2017	8	21	2038	\$65,000
Car 1	2022	3	20	2042	\$48,000

In order to plan for future years’ budgets and to strive towards a consistent time period between new apparatus purchases, the plan described below was created. Ideally, this time period would be every seven years, assuming four pieces of major apparatus and an expected service life of 30 years. Table 3, on the next page, utilizes this approach and lists which year each apparatus should be replaced. This assumes that the equipment will reach this age without major equipment failures. As the replacement timeframe approaches for each apparatus, the actual vehicle condition should be assessed to determine the appropriate time for replacement.



The inflated prices were used for the aerial quint and pumper replacements in FY29 and FY37. Budgeted figures start low to help balance some of the other capital expenses coming up for the station, fire equipment, and parking lot/driveway at the station. This will also help on re-evaluating actual apparatus replacement costs as time progresses. If prices stabilize, than some of the increases in budget figures can be reduced.

**Table 4: Recommend Apparatus Replacement Schedule**

Fiscal Year	Capital Reserve Investment	Capital Reserve Withdrawal	Capital Reserve Balance	Balance to Finance	Notes
2024	\$80,000		\$400,000	\$0	
2025	\$270,000		\$670,000	\$0	
2026	\$270,000	\$864,000	\$76,000	\$0	50% upfront L4
2027	\$270,000		\$346,000	\$0	
2028	\$270,000		\$616,000	\$0	
2029	\$270,000	\$864,000	\$22,000	\$0	Deliver L4
2030	\$270,000		\$292,000	\$0	
2031	\$270,000		\$562,000	\$0	
2032	\$270,000		\$832,000	\$0	
2033	\$270,000		\$1,102,000	\$0	
2034	\$270,000	\$799,602	\$572,398	\$0	50% upfront E1
2035	\$270,000		\$842,398	\$0	
2036	\$300,000		\$1,142,398	\$0	
2037	\$400,000	\$799,602	\$742,796	\$0	Deliver E1
2038	\$400,000	\$65,000	\$1,077,796	\$0	Forestry Pick-up
2039	\$400,000		\$1,477,796	\$0	
2040	\$450,000		\$1,927,796	\$0	
2041	\$450,000	\$1,156,256	\$1,221,541	\$0	50% upfront E3
2042	\$450,000		\$1,671,541	\$0	
2043	\$450,000		\$2,121,541	\$0	
2044	\$450,000	\$1,156,256	\$1,415,285	\$0	Deliver E3
2045	\$450,000		\$1,865,285	\$0	
2046	\$450,000	\$1,864,383	\$450,902	\$0	50% upfront E2
2047	\$450,000		\$900,902	\$0	
2048	\$450,000		\$1,350,902	\$0	
2049	\$450,000	\$1,864,383	\$0	\$63,481	Deliver E2
2050	\$450,000		\$450,000	\$0	
2051	\$450,000		\$900,000	\$0	

In order to accomplish the objectives of this plan, funding of the Fire Truck Capital reserve account will be budgeted to follow the above table. This approach attempts to arrive at a more

uniform replacement period. The replacement pumper for Engine 1 was also moved back several years to gain age separation from the ladder replacement.

### Other Major DFD Equipment

The Department has been lucky to receive grants in the past for equipment upgrades. The hard work of fund-raising efforts by members of the Massasoit Engine Company and the Massasoit Fire Flies (Women’s Auxiliary) have also purchased many key pieces of equipment. Two grants were awarded to DFD for turn-out gear in the 2001-2004 timeframe. Additional grants were awarded for SCBA updates in 2008 as well. New extrication equipment including new jaws-of-life were purchased with a FEMA AFG grant in 2017. In the past 15 years, some of the major equipment donated to the DFD and Town from the Massasoit Engine Company and Fire Flies includes: a fire rescue boat, educational smoke trailer, Chief’s car and thermal imaging equipment, a pick-up truck, forestry skid tank, a portion of Engine 2, and a forestry trailer. These items have provided tremendous value to the Town and community, but a replacement plan should be investigated to ensure this level of service continues. The Massasoit Engine Company will continue fund-raising efforts to help with these costs, but the full burden cannot be left to volunteer efforts and soft financing options from fund-raising efforts alone.

### Conclusion

The relatively close age of the Department’s major apparatus is concerning, as this places heavy costs for replacement of two large expenditures close together. This plan lays out an approach of maintaining the number of trucks in service and maintaining the fleet in as sustainable of a manner as possible with the dramatic price increases of apparatus. The recommendations are to increase the contributions to the fire truck reserve fund in order to prepare for the upcoming impact Ladder 4’s replacement. Engine 1’s replacement has been delayed, and the actual plan for its replacement will depend on market conditions of new and used apparatus, and when the truck is no longer able to meet the requirements to stay in service. This plan helps spread the age of the major apparatus to cushion the blow of future replacements.

Table 5, below, summarizes the past fleet, where we are now and what the plan outlines for the future. The end result is a reduction of the total cost of the fleet, saving taxpayer dollars while maintaining readiness to protect the Town.

**Table 5: Past present and future fleet (using FY25 \$ values)**

<b>Past Fleet (FY13)</b>	<b>Interim Fleet (FY18)</b>	<b>Current Fleet (FY25)</b>
E1 (2002 Pierce Pumper) \$800K	E1 (2002 Pierce Pumper) \$800K	E1 (2002 Pierce Pumper) \$800K
E2 (1984 GMC Brush) \$650K	E2 (1984 GMC Brush) \$650K	E2 (2018 Rosenbauer) \$800K
E3 (1977 LaFrance Pumper) \$800K	E3 (2014 Rosenbauer) \$675K	E3 (2014 Rosenbauer) \$675K
L4 (2003 E-One) \$1,600K	L4 (2003 E-One) \$1,600K	L4 (2003 E-One) \$1,600K
R5 (1988 E-One) \$600K	R5 (1988 E-One) \$600K	T5 (2017 Dodge Ram) \$65K
T1 (1986 International Tank) \$600K		

Car 1 (2004 Dodge) \$45K	Car 1 (2011 Dodge) \$45K	Car 1 (2022 Ford) \$45K
<b>Total of \$5,095K (FY25 \$)</b>	<b>Total of \$4,370K (FY25 \$)</b>	<b>Total of \$3,985K (FY25 \$)</b>



## Appendix A: Response Scenarios

Call Type	Past Response	Current Response	Notes
Structure Fire in Damariscotta	E1, L4, E3, R5, E2 Up to 21 Firefighters 5,750 GPM pump cap. 4,250 gallons of water 17 SCBA	E1, L4, E3, E2, T5 Up to 24 Firefighters 6,500 GPM pump cap. 4,500 gallons of water 20 SCBA	Improved capability with new E2 and T5, increased pump capacity and number of firefighters
Structure Fire in Mutual Aid Town	E3, E1 or L4 7 Firefighters 3,000 GPM pump cap. 3,000 gallons of water 10 SCBA	E3, L4 or E1, T5 Up to 12 Firefighters 3,000 GPM pump cap 3,000 gallons of water 10 SCBA	There will be a more capable fleet left at the station when responding mutual aid
Brush Fire in Damariscotta	E2, E3, R5, E1 Up to 15 Firefighters 3,750 GPM pump cap. 3,750 gallons of water	T5, E3, E2, E1 Up to 18 Firefighters 4,625 GPM pump cap. 4,125 gallons of water	Improved off road capability, improved number of firefighters and water/pump cap
Brush Fire in Mutual Aid Town	E2, E3 Up to 5 Firefighters 2,250 GPM pump cap. 2,750 gallons of water	T5, E1, E3 Up to 12 Firefighters 3,125 GPM pump cap. 3,125 gallons of water	Two fully capable pumps left in Town
Water Rescue	Res. Boat (by POV), R5, E1 Up to 10 Firefighters	Rescue Boat w/ T5, E2 Up to 10 Firefighters	Boat pulled by Department vehicle
Car Accident	R5, E1 Up to 10 Firefighters Extrication tools Pump and water for protection	E2, T5 Up to 11 Firefighters Extrication tools Pump and water for protection	Lower cost of vehicles on the road
Car Fire	E1, R5, E3 Up to 12 Firefighters 3,000 GPM pump cap. 3,000 gallons of water 12 SCBA	E2, E1, E3 Up to 13 Firefighters 4,500 GPM pump cap. 4,000 gallons of water 14 SCBA	Increased foam capability with future fleet
Trees Down, Power Lines Down	E2 or R5, POVs Few firefighters / vehicle Large difficult to navigate and expensive apparatus on the road	T5 Up to 5 Firefighters Small, maneuverable vehicle	Greatly reduced cost of apparatus on the road, improved response
Service Calls, Flooded basements	R5, POV's, E2 Few firefighters / vehicle	T5 Up to 5 Firefighters Small, maneuverable vehicle	Greatly reduced cost of apparatus on the road, improved response

	Large difficult to navigate and expensive apparatus on the road	Easy change to payload	Improved flexibility
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# DAMARISCOTTA FIRE DEPARTMENT

## FY25 FIRE APPARATUS REPLACEMENT PLAN

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Our major fire apparatus fleet consists of three vehicle types: (1) Pumper; (2) Aerial; and (3) Water Tanker. The National Fire Protection Agency (NFPA) Standard 1901 covers vehicle requirements for the fire service. This specification covers the required pump capacity, tank capacity, safety requirements, minimal equipment, hose and details that must be met to be certified. All new apparatus must be manufactured to this standard in order to be sold as fire apparatus, with the most recent edition being issued in 2016 which Engine 2 meets. Engine 3 is the only apparatus which meets the previous standard (2009). One apparatus meets the next previous version of the standard (2003): Ladder 4. Engine 1 meets the 1999 version of the standard which is now four versions old. It is expected that the next standard will go into effect in 2024.

Engine 1 is a custom built fire truck from Pierce and serves as the primary attack pumper. This is the first apparatus to respond to all fire alarms and structure fires in Damariscotta. The extended cab allows for five firefighters to be contained out of the weather and be in verbal contact during the response. It is equipped to draft and supply water out of the rear of the truck, reducing space needed for operations on side roads when drafting from a portable pond. The current estimated replacement cost for this apparatus is \$800,000 (FY25).

Engine 2 is a custom built fire truck from Rosenbauer and serves as a rescue-pumper. This is the first apparatus to respond to vehicle accidents, rescues and hazardous materials calls. It was placed into service in February 2019. This apparatus as well as the purchase of Truck 5 allowed for the replacement of two apparatus and represented the second step in a fleet modernization project that started in 2013. The last steps will be to provide some separation in the purchasing of replacements for Engine 1 and Ladder 4. The current estimated replacement cost for this apparatus is \$800,000 (FY25)

Engine 3 was procured new and was received in November 2014. This apparatus was the first step in modernizing the fleet and marked the first purchase of a fire truck since 2006. Engine 3 is a two person commercial International cab built by Rosenbauer and operates as a tanker-

pumper. This truck allowed for the replacement of two apparatus, reducing maintenance and testing costs. The current estimated replacement cost of this apparatus is \$700,000 (FY25)

Ladder 4 is referred to as a “Quint” because it serves five functions for the fire service: (1) Aerial device (attached ladder); (2) Pump; (3) Carries water; (4) Carries hose; and (5) Carries ground ladders. The aerial (mounted ladder) is 100’ long which was chosen based on the horizontal reach required for many of the structures around town. The Hospital complex is one case where the vehicle cannot get close enough to the structure for a shorter ladder to work. This truck is the most expensive owned by the Town. The Department was fortunate to find this vehicle as a left over demonstration truck and was able to purchase it for approximately \$600,000 which was considerably less than the close to \$800,000 price tag (FY06 figure). The multi-purpose use of the truck is essential since it can operate independently and also provide its own water source. This proved invaluable during a fire on densely packed part of Church Street where a fully involved fire was contained to just one building. The aerial was able to flow water on one side and an engine company was able to enter the building to contain the spread. The current estimated replacement cost for this apparatus is \$1,600,000 (FY25).

### **Required Apparatus – Town Coverage**

In order to determine if the future apparatus would provide sufficient coverage for Damariscotta, various call scenarios are provided in Appendix A. These scenarios show the current (FY25) fleet response based on a reduction of major apparatus to four and Truck 5.

A large portion of the Town does not have hydrant coverage (approx 65%) and these areas require a tanker shuttle in order to fight and extinguish a fire. This drives the need for the Department to maintain a tanker in service, which was replaced in FY14. When this type of shuttle is required, several other towns respond with their tankers to provide the necessary water to continue firefighting operations. The other critical portion of a tanker shuttle includes pumpers at remote sites to draft from static water sources. The future fleet includes a primary attack truck (E1) that attacks the fire, E3 forming part of the tanker shuttle and E2 at a draft site to fill the tankers.

For future years if Engine 1 is not replaced, the plan would be to rely on mutual aid to fill those needs until a replacement for Engine 3 was planned. This tanker capability would then be phased out, again relying on mutual aid to fill the gap.

### **Rising Costs of Apparatus and Extended Build Times**

Apparatus prices experienced dramatic increases throughout the industry. Price increases implemented by E-One were provided by a local representative. Over the past three years the increases were 19.5% from 2020 to 2021, 19.5% from 2021 to 2022 and 12% from 2022 to 2023. The compound effect of these three increases resulted in a 60% increase in the cost of



fire trucks over the past three years. It is unclear what will happen over the next few years, but there are no indications that prices have stabilized.

As a result of increases, the plan for this fiscal year has an 8% per year increase built into all budgeting numbers. This has a huge impact on the budgeting figures used in previous years. There is a lot of uncertainty in future costs, so only the projected numbers for Ladder 4 and Engine 1 would be sufficient for near term budgeting.

The impact for the ladder truck's replacement cost with an 8% per year increase would equate to the cost of the truck increasing approximately \$128,000 per year. For this reason, this truck has been pulled forward to replace sooner than previously planned, with the expected replacement to arrive when the current truck is 29 years old.

Longer build times have also resulted in greater discounts for prepayment options. For budget plans, a 50% deposit is planned at the time of ordering with the balance planned three fiscal years after the order is placed.

### **New vs. Used Apparatus**

For the purposes of this plan, new vehicle prices were used for determining replacement cost. There could be savings achieved by utilizing used apparatus, but this would also affect the replacement time frame as well. Most used apparatus are at least 10-15 years old, come from full-time Departments, and have more service hours on them than our Department would subject them too, all which reduce the expected service life.

The near-term needs of replacing Ladder 4 will drive the budget figures over the next five years, regardless of the plan for Engine 1. A used ladder is not considered under this plan, as there does not seem to be a lot of low year ladders on the market.

A used replacement for Engine 1 may be the best option depending on the used truck market in the next 7 to 10 years. Currently, due to the high costs of apparatus, Engine 1's replacement has been delayed. The plan will be to get the most life out of Engine 1 as possible. If there should be a catastrophic failure of the apparatus, Engine 2 will be used to fill the gap as well as relying more on mutual aid from surrounding departments.

### **Amortization and Apparatus Inflation**

Through a planned reduction of major apparatus from six to four pieces since 2013, a reduced burden has been achieved for the department and Town on both purchasing and maintenance costs. A rough estimate of the current replacement value for two engines, one aerial quint, and one engine/tanker is approximately \$3.998 Million (FY25 dollars) or \$133,000 per year average. In order to avoid financing apparatus each time a purchase is needed, the Town would need to

average a yearly contribution of \$133,000 plus the year to year increase in apparatus costs into the Fire truck Capital reserve account.

Historical prices usually increased between 2 and 5 percent per year. More recently, many other economic events, such as material costs, inflation, and supply chain shortages have lead to rapid increases in apparatus pricing, and much longer delivery times. When the costs of future year dollars are accounted for, the yearly contribution to the Capital reserve account will need to be increased by a substantial amount. This plan includes an 8% year to year increase.

In order to balance the cost of renewing the DFD’s apparatus, a consistent time period for apparatus replacement should be established. If the goal was to maintain four apparatus in service each for 25-30 years, this would require replacing a truck every six to eight years

Future pricing of fire trucks is unknown, but the recent increases make it risky to assume current prices remain in effect for budgeting purposes. Table 2, below, shows the current replacement values inflated at 8% per year for the purposes of establishing target budget numbers to use for the next two apparatus.

**Table 2: Apparatus Price Inflation**

<b>FY</b>	<b>Engine 1 Est. Replacement \$</b>	<b>Engine 2 Est. Replacement \$</b>	<b>Engine 3 Est. Replacement \$</b>	<b>Ladder 4 Est. Replacement \$</b>
2025	\$800,000.00	\$800,000.00	\$675,000.00	\$1,600,000.00
2026	\$864,000.00	\$864,000.00	\$729,000.00	<b>\$1,728,000.00</b>
2027	\$933,120.00	\$933,120.00	\$787,320.00	\$1,866,240.00
2028	\$1,007,769.60	\$1,007,769.60	\$850,305.60	\$2,015,539.20
2029	\$1,088,391.17	\$1,088,391.17	\$918,330.05	\$2,176,782.34
2030	\$1,175,462.46	\$1,175,462.46	\$991,796.45	\$2,350,924.92
2031	\$1,269,499.46	\$1,269,499.46	\$1,071,140.17	\$2,538,998.92
2032	\$1,371,059.42	\$1,371,059.42	\$1,156,831.38	\$2,742,118.83
2033	\$1,480,744.17	\$1,480,744.17	\$1,249,377.89	\$2,961,488.34
2034	<b>\$1,599,203.70</b>	\$1,599,203.70	\$1,349,328.12	\$3,198,407.40
2035	\$1,727,140.00	\$1,727,140.00	\$1,457,274.37	\$3,454,280.00

2036	\$1,865,311.20	\$1,865,311.20	\$1,573,856.32	\$3,730,622.40
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### Plan for Replacement (assumed 30 year service life)

The following plan includes a time-table for replacing the fleet of fire apparatus for the DFD. The prices listed are rough estimates and are a reflection of FY25 dollars. The recommended replacement year on the Table below is based solely on apparatus age. All vehicles are expected to be replaced with like vehicles. In order to gain separation in ages between Engine 1 and Ladder 4, Engine 1’s expected replacement will be planned for FY37 at an age of 35 years. The plan will include replacing Ladder 4 at 29 years of age in FY29, with the order being placed in FY26.

**Table 3: Recommended Replacement Fiscal Year based on Age**

Apparatus ID	Year	Apparatus Age (FY25)	Expected Years of Service Life	Recommended Replacement Year	Replacement Cost (FY25 \$)
Engine 1	2002	23	35	2037	\$800,000
Engine 2	2018	7	30	2048	\$800,000
Engine 3	2014	11	30	2044	\$675,000
Ladder 4	2003	22	26	2029	\$1,600,000
Truck 5	2017	8	21	2038	\$65,000
Car 1	2022	3	20	2042	\$48,000

In order to plan for future years’ budgets and to strive towards a consistent time period between new apparatus purchases, the plan described below was created. Ideally, this time period would be every seven years, assuming four pieces of major apparatus and an expected service life of 30 years. Table 3, on the next page, utilizes this approach and lists which year each apparatus should be replaced. This assumes that the equipment will reach this age without major equipment failures. As the replacement timeframe approaches for each apparatus, the actual vehicle condition should be assessed to determine the appropriate time for replacement.

The inflated prices were used for the aerial quint and pumper replacements in FY29 and FY37. Budgeted figures start low to help balance some of the other capital expenses coming up for the station, fire equipment, and parking lot/driveway at the station. This will also help on re-evaluating actual apparatus replacement costs as time progresses. If prices stabilize, than some of the increases in budget figures can be reduced.

**Table 4: Recommend Apparatus Replacement Schedule**

Fiscal Year	Capital Reserve Investment	Capital Reserve Withdrawal	Capital Reserve Balance	Balance to Finance	Notes
2024	\$80,000		\$400,000	\$0	
2025	\$270,000		\$670,000	\$0	
2026	\$270,000	\$864,000	\$76,000	\$0	50% upfront L4
2027	\$270,000		\$346,000	\$0	
2028	\$270,000		\$616,000	\$0	
2029	\$270,000	\$864,000	\$22,000	\$0	Deliver L4
2030	\$270,000		\$292,000	\$0	
2031	\$270,000		\$562,000	\$0	
2032	\$270,000		\$832,000	\$0	
2033	\$270,000		\$1,102,000	\$0	
2034	\$270,000	\$799,602	\$572,398	\$0	50% upfront E1
2035	\$270,000		\$842,398	\$0	
2036	\$300,000		\$1,142,398	\$0	
2037	\$400,000	\$799,602	\$742,796	\$0	Deliver E1
2038	\$400,000	\$65,000	\$1,077,796	\$0	Forestry Pick-up
2039	\$400,000		\$1,477,796	\$0	
2040	\$450,000		\$1,927,796	\$0	
2041	\$450,000	\$1,156,256	\$1,221,541	\$0	50% upfront E3
2042	\$450,000		\$1,671,541	\$0	
2043	\$450,000		\$2,121,541	\$0	
2044	\$450,000	\$1,156,256	\$1,415,285	\$0	Deliver E3
2045	\$450,000		\$1,865,285	\$0	
2046	\$450,000	\$1,864,383	\$450,902	\$0	50% upfront E2
2047	\$450,000		\$900,902	\$0	
2048	\$450,000		\$1,350,902	\$0	
2049	\$450,000	\$1,864,383	\$0	\$63,481	Deliver E2
2050	\$450,000		\$450,000	\$0	
2051	\$450,000		\$900,000	\$0	

In order to accomplish the objectives of this plan, funding of the Fire Truck Capital reserve account will be budgeted to follow the above table. This approach attempts to arrive at a more

uniform replacement period. The replacement pumper for Engine 1 was also moved back several years to gain age separation from the ladder replacement.

### Other Major DFD Equipment

The Department has been lucky to receive grants in the past for equipment upgrades. The hard work of fund-raising efforts by members of the Massasoit Engine Company and the Massasoit Fire Flies (Women’s Auxiliary) have also purchased many key pieces of equipment. Two grants were awarded to DFD for turn-out gear in the 2001-2004 timeframe. Additional grants were awarded for SCBA updates in 2008 as well. New extrication equipment including new jaws-of-life were purchased with a FEMA AFG grant in 2017. In the past 15 years, some of the major equipment donated to the DFD and Town from the Massasoit Engine Company and Fire Flies includes: a fire rescue boat, educational smoke trailer, Chief’s car and thermal imaging equipment, a pick-up truck, forestry skid tank, a portion of Engine 2, and a forestry trailer. These items have provided tremendous value to the Town and community, but a replacement plan should be investigated to ensure this level of service continues. The Massasoit Engine Company will continue fund-raising efforts to help with these costs, but the full burden cannot be left to volunteer efforts and soft financing options from fund-raising efforts alone.

### Conclusion

The relatively close age of the Department’s major apparatus is concerning, as this places heavy costs for replacement of two large expenditures close together. This plan lays out an approach of maintaining the number of trucks in service and maintaining the fleet in as sustainable of a manner as possible with the dramatic price increases of apparatus. The recommendations are to increase the contributions to the fire truck reserve fund in order to prepare for the upcoming impact Ladder 4’s replacement. Engine 1’s replacement has been delayed, and the actual plan for its replacement will depend on market conditions of new and used apparatus, and when the truck is no longer able to meet the requirements to stay in service. This plan helps spread the age of the major apparatus to cushion the blow of future replacements.

Table 5, below, summarizes the past fleet, where we are now and what the plan outlines for the future. The end result is a reduction of the total cost of the fleet, saving taxpayer dollars while maintaining readiness to protect the Town.

**Table 5: Past present and future fleet (using FY25 \$ values)**

Past Fleet (FY13)	Interim Fleet (FY18)	Current Fleet (FY25)
E1 (2002 Pierce Pumper) \$800K	E1 (2002 Pierce Pumper) \$800K	E1 (2002 Pierce Pumper) \$800K
E2 (1984 GMC Brush) \$650K	E2 (1984 GMC Brush) \$650K	E2 (2018 Rosenbauer) \$800K
E3 (1977 LaFrance Pumper) \$800K	E3 (2014 Rosenbauer) \$675K	E3 (2014 Rosenbauer) \$675K
L4 (2003 E-One) \$1,600K	L4 (2003 E-One) \$1,600K	L4 (2003 E-One) \$1,600K
R5 (1988 E-One) \$600K	R5 (1988 E-One) \$600K	T5 (2017 Dodge Ram) \$65K
T1 (1986 International Tank) \$600K		



Car 1 (2004 Dodge) \$45K	Car 1 (2011 Dodge) \$45K	Car 1 (2022 Ford) \$45K
<b>Total of \$5,095K (FY25 \$)</b>	<b>Total of \$4,370K (FY25 \$)</b>	<b>Total of \$3,985K (FY25 \$)</b>

## Appendix A: Response Scenarios

Call Type	Past Response	Current Response	Notes
Structure Fire in Damariscotta	E1, L4, E3, R5, E2 Up to 21 Firefighters 5,750 GPM pump cap. 4,250 gallons of water 17 SCBA	E1, L4, E3, E2, T5 Up to 24 Firefighters 6,500 GPM pump cap. 4,500 gallons of water 20 SCBA	Improved capability with new E2 and T5, increased pump capacity and number of firefighters
Structure Fire in Mutual Aid Town	E3, E1 or L4 7 Firefighters 3,000 GPM pump cap. 3,000 gallons of water 10 SCBA	E3, L4 or E1, T5 Up to 12 Firefighters 3,000 GPM pump cap 3,000 gallons of water 10 SCBA	There will be a more capable fleet left at the station when responding mutual aid
Brush Fire in Damariscotta	E2, E3, R5, E1 Up to 15 Firefighters 3,750 GPM pump cap. 3,750 gallons of water	T5, E3, E2, E1 Up to 18 Firefighters 4,625 GPM pump cap. 4,125 gallons of water	Improved off road capability, improved number of firefighters and water/pump cap
Brush Fire in Mutual Aid Town	E2, E3 Up to 5 Firefighters 2,250 GPM pump cap. 2,750 gallons of water	T5, E1, E3 Up to 12 Firefighters 3,125 GPM pump cap. 3,125 gallons of water	Two fully capable pumps left in Town
Water Rescue	Res. Boat (by POV), R5, E1 Up to 10 Firefighters	Rescue Boat w/ T5, E2 Up to 10 Firefighters	Boat pulled by Department vehicle
Car Accident	R5, E1 Up to 10 Firefighters Extrication tools Pump and water for protection	E2, T5 Up to 11 Firefighters Extrication tools Pump and water for protection	Lower cost of vehicles on the road
Car Fire	E1, R5, E3 Up to 12 Firefighters 3,000 GPM pump cap. 3,000 gallons of water 12 SCBA	E2, E1, E3 Up to 13 Firefighters 4,500 GPM pump cap. 4,000 gallons of water 14 SCBA	Increased foam capability with future fleet
Trees Down, Power Lines Down	E2 or R5, POVs Few firefighters / vehicle Large difficult to navigate and expensive apparatus on the road	T5 Up to 5 Firefighters Small, maneuverable vehicle	Greatly reduced cost of apparatus on the road, improved response
Service Calls, Flooded basements	R5, POV's, E2 Few firefighters / vehicle	T5 Up to 5 Firefighters Small, maneuverable vehicle	Greatly reduced cost of apparatus on the road, improved response

	Large difficult to navigate and expensive apparatus on the road	Easy change to payload	Improved flexibility
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CAPITAL IMPROVEMENT PROJECT DEPARTMENT OVERVIEW

Reserve Name:	<b>Police Vehicle and Equipment</b>	FY '23 Est Bal	\$20,518.00
CIP Period:	FY 2025 - FY 2029	FY '24 Approp.	\$30,000.00
Prepared By:	Jason Warlick	FY '24 Exp.	\$0.00
Date:	2/19/2024	FY '25 Est Beg. Bal.	\$50,518.00

<b>Funding History</b>	<b>2021 Actual</b>	<b>2022 Actual</b>	<b>2023 Actual</b>	<b>2024 Actual</b>	<b>Total</b>
Appropriations	\$20,431.12	\$8,000.00	\$12,000.00	\$30,000.00	\$70,431.12
Expenditures	-\$431.12	-\$35,139.00	\$0.00	\$0.00	-\$35,570.12

<b>Capital Projects/Expenditures</b>	5-Yr Projection					<b>Total</b>
	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	
2020 Ford Explorer; Replace in Fall 2024	-\$60,000.00				-\$67,200.00	-\$127,200.00
2022 Ford F-150; Replace in Fall 2026			-\$63,600.00			-\$63,600.00
2018 Ford Explorer						\$0.00
Dispatch System, Axion camera system, speed detection devices, etc		-\$10,000.00		-\$30,000.00		-\$40,000.00
Includes bullet proof vests, guns, vehicle equipment, etc...		-\$5,000.00				-\$5,000.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
<i>Target Funding</i>	-\$60,000.00	-\$15,000.00	-\$63,600.00	-\$30,000.00	-\$67,200.00	-\$235,800.00

<b>Appropriations/Revenues</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>Total</b>
<b>Estimated Tax Appropriation</b>	<b>\$30,000.00</b>	<b>\$35,000.00</b>	<b>\$35,000.00</b>	<b>\$45,000.00</b>	<b>\$50,000.00</b>	<b>\$195,000.00</b>
Estimated Grant Funds/Reimbursements						\$0.00
Donations						\$0.00
						\$0.00
<i>Est Appropriation/Revenue</i>	<i>\$30,000.00</i>	<i>\$35,000.00</i>	<i>\$35,000.00</i>	<i>\$45,000.00</i>	<i>\$50,000.00</i>	<b>\$195,000.00</b>
Est Balance	\$20,518.00	\$40,518.00	\$11,918.00	\$26,918.00	\$9,718.00	







CAPITAL IMPROVEMENT PROJECT DEPARTMENT OVERVIEW

Reserve Name:	Highway Equipment	FY '23 Est Bal	\$34,527.00
CIP Period:	FY 2025 - FY 2029	FY '24 Approp.	\$10,000.00
Prepared By:	Andrew Dorr	FY '24 Exp.	\$0.00
Date:	2/19/2024	FY '25 Est Beg. Bal.	\$44,527.00

<b>Funding History</b>						
	2021 Actual	2022 Actual	2023 Actual	2024 Actual	Total	
Appropriations	\$6,000.00	\$5,000.00	\$5,000.00	\$10,000.00	\$26,000.00	
Expenditures	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
5-Yr Projection						
Capital Projects/Expenditures	2025	2026	2027	2028	2029	Total
Front End Loader: Replace every 10-12 years, est 2027		-\$50,000.00				-\$50,000.00
Excavator: Purchased used to offset replacement cycle of wheeled loader			-\$65,000.00			-\$65,000.00
Front End Loader Attachments (\$32,500 est)	\$0.00	-\$8,000.00	-\$8,800.00	-\$9,775.00	-\$12,980.00	-\$39,555.00
Billy Goat: Install on dump trailer, modify trailer	-\$4,000.00					-\$4,000.00
Air Compressor: Replace in 5-7 years						\$0.00
Hot Water Pressure Washer: Replaces old unit from 1980/90s	-\$4,000.00					-\$4,000.00
Dump Trailer: Replaces utility trailer and will hold Billy Goat for leaf cleanup	-\$12,500.00					-\$12,500.00
10-Ton Trailer: Purchaed in 2016 (?); Replace in 15-20 years						\$0.00
<i>Target Funding</i>	<i>-\$20,500.00</i>	<i>-\$58,000.00</i>	<i>-\$73,800.00</i>	<i>-\$9,775.00</i>	<i>-\$12,980.00</i>	<i>-\$175,055.00</i>
Appropriations/Revenues	2025	2026	2027	2028	2029	Total
Estimated Tax Appropriation	\$25,000.00	\$35,000.00	\$45,000.00	\$35,000.00	\$25,000.00	\$165,000.00
Estimated Grant Funds/Reimbursements						\$0.00
Estimated Donations						\$0.00
						\$0.00
<i>Est Appropriation/Revenue</i>	<i>\$25,000.00</i>	<i>\$35,000.00</i>	<i>\$45,000.00</i>	<i>\$35,000.00</i>	<i>\$25,000.00</i>	<i>\$165,000.00</i>
Est Balance	\$49,027.00	\$26,027.00	-\$2,773.00	\$22,452.00	\$34,472.00	



CAPITAL IMPROVEMENT PROJECT DEPARTMENT OVERVIEW

<b>Reserve Name:</b> Sidewalk	FY '23 Est Bal	\$389,636.00
CIP Period: FY 2025 - FY 2029	FY '24 Approp.	\$90,000.00
Prepared By: Andrew Dorr	FY '24 Exp.	\$0.00
Date: 2/19/2024	FY '25 Est Beg. Bal.	\$479,636.00

Funding History		2021 Actual	2022 Actual	2023 Actual	2024 Actual	Total
Appropriations		\$110,000.00	\$0.00	\$0.00	\$90,000.00	\$200,000.00
Expenditures		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5-Yr Projection						
Capital Projects/Expenditures	2025	2026	2027	2028	2029	Total
Main St - Downtown (Bridge to Bristol)						\$0.00
Main St - Downtown (Bristol to Main St Grocery)						\$0.00
Bristol Rd (Miles to School St)						\$0.00
Miles St	-\$65,000.00					-\$65,000.00
High St						\$0.00
Elm St (Main to Theater)						\$0.00
Theater St						\$0.00
Chuch St (Pleasant St to Main St)						\$0.00
Hogdon St						\$0.00
Vine St						\$0.00
Chapman St						\$0.00
School St			-\$225,000.00			-\$225,000.00
Main St - (Hannaford to GSBCSD)	-\$500,000.00	-\$1,000,000.00				-\$1,500,000.00
ADA Compliance	-\$50,000.00	-\$50,000.00	-\$50,000.00	-\$35,000.00		-\$185,000.00
<i>Target Funding</i>	<i>-\$615,000.00</i>	<i>-\$1,050,000.00</i>	<i>-\$275,000.00</i>	<i>-\$35,000.00</i>	<i>\$0.00</i>	<i>-\$1,975,000.00</i>
Appropriations/Revenues	2025	2026	2027	2028	2029	Total
<b>Estimated Tax Appropriation</b>	<b>\$70,000.00</b>	<b>\$100,000.00</b>	<b>\$125,000.00</b>	<b>\$150,000.00</b>	<b>\$175,000.00</b>	<b>\$620,000.00</b>
Estimated Grant Funds/Reimbursements	\$400,000.00	\$800,000.00				\$1,200,000.00
Donations						\$0.00
						\$0.00
<i>Est Appropriation/Revenue</i>	<i>\$470,000.00</i>	<i>\$900,000.00</i>	<i>\$125,000.00</i>	<i>\$150,000.00</i>	<i>\$175,000.00</i>	<i>\$1,820,000.00</i>
Est Balance	\$334,636.00	\$184,636.00	\$34,636.00	\$149,636.00	\$324,636.00	



CAPITAL IMPROVEMENT PROJECT DEPARTMENT OVERVIEW			
<b>Reserve Name:</b>	<b>Paving/Drainage/Maintenance</b>	FY '23 Est Bal	-\$332,591.37
CIP Period:	FY 2025 - FY 2029	FY '24 Approp.	\$193,128.51
Prepared By:	Andrew Dorr	FY '24 Exp.	-\$40,219.66
Date:	2/20/2024	FY '25 Est Beg. Bal.	-\$179,682.52

<b>Funding History</b>	<b>2021 Actual</b>	<b>2022 Actual</b>	<b>2023 Actual</b>	<b>2024 Actual</b>	<b>Total</b>
Appropriations	\$109,000.00	\$300,589.79	\$108,000.00	\$193,128.51	\$710,718.30
Expenditures	-\$65,354.10	-\$136,028.20	-\$699,559.37	-\$40,219.66	-\$941,161.33

5-Yr Projection

<b>Capital Projects/Expenditures</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>Total</b>
Belvedere Rd (Nobleboro to Rt 1)					-\$107,029.68	-\$107,029.68
Church St (Pleasant to Elm)			-\$23,669.42			-\$23,669.42
Egypt Rd (Biscay to Back Meadow)					-\$343,684.21	
Elm St (Church to Main)			-\$40,576.14			
Miles St (Town Line to Bristol)						
Rocky Run Rd (Egypt to Biscay)						
Theatre St (Main to Elm)						
Water St (Cross to Bristol)	-\$9,261.95					
Back Meadow Rd (Main to Standpipe)		-\$193,744.24				
Back Meadow Rd (Standpipe to Egypt)		-\$62,938.76				-\$62,938.76
Back Meadow Rd (Egypt to Town Line)		-\$248,894.17				
Branch Rd	-\$98,309.30					
Chapman St	-\$52,484.36					
Church St			-\$22,640.31			
Church St			-\$265,571.97			
Hammond Rd	-\$36,987.54					
Hillside Ln		-\$30,616.43				
Lessner Rd				-\$865,454.84		
Stand Pipe Rd	-\$232,119.17					
Cross St	-\$142,433.72					-\$142,433.72
Hodgdon St						\$0.00

Hodgdon St		-\$93,171.59				-\$93,171.59
Hodgdon St		-\$265,178.28				-\$265,178.28
Keene Woods Rd	-\$494,556.36					-\$494,556.36
Midcoast Rd			-\$247,923.91			-\$247,923.91
Parking Lot Ln	-\$1,749,187.20					-\$1,749,187.20
Pleasant St		-\$201,921.31				-\$201,921.31
Church St		-\$271,625.35				
High St			-\$488,012.23			
Lewis Point Rd						
Miles St	-\$169,661.63					
Pine Ridge Rd		-\$433,102.25				
Pinkham Rd			-\$205,404.31			
Vine St			-\$35,491.83			
Westview Rd			-\$322,783.66			
Belvedere Rd				-\$43,693.02		
Oak Rd	-\$15,551.32					
School St	-\$23,190.14					
Water St						
<i>Target Funding</i>	<i>-\$3,023,742.69</i>	<i>-\$1,801,192.38</i>	<i>-\$1,652,073.78</i>	<i>-\$909,147.86</i>	<i>-\$450,713.89</i>	<i>-\$3,388,010.23</i>
<b>Appropriations/Revenues</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>Total</b>
<b>Estimated Tax Appropriation</b>	<b>\$150,000.00</b>	<b>\$200,000.00</b>	<b>\$250,000.00</b>	<b>\$250,000.00</b>	<b>\$250,000.00</b>	<b>\$1,100,000.00</b>
Estimated Grant Funds/Reimbursements	\$1,275,000.00	\$54,325.00				\$1,329,325.00
Donations						\$0.00
						\$0.00
<i>Est Appropriation/Revenue</i>	<i>\$1,425,000.00</i>	<i>\$254,325.00</i>	<i>\$250,000.00</i>	<i>\$250,000.00</i>	<i>\$250,000.00</i>	<i>\$2,429,325.00</i>
Est Balance	-\$1,778,425.21	-\$3,325,292.59	-\$4,727,366.37	-\$5,386,514.23	-\$5,587,228.12	



CAPITAL IMPROVEMENT PROJECT DEPARTMENT OVERVIEW

<b>Reserve Name:</b> Municipal Parking Lot	FY '23 Est Bal	\$15,914.00
CIP Period: FY 2025 - FY 2029	FY '24 Approp.	\$0.00
Prepared By: Andrew Dorr	FY '24 Exp.	\$0.00
Date: 2/19/2024	FY '25 Est Beg. Bal.	\$15,914.00

Funding History	2021 Actual	2022 Actual	2023 Actual	2024 Actual	Total
Appropriations	\$0.00	\$0.00	\$2,000.00	\$0.00	\$2,000.00
Expenditures	\$0.00	-\$38,837.17	\$0.00	\$0.00	-\$38,837.17

Capital Projects/Expenditures	5-Yr Projection					Total
	2025	2026	2027	2028	2029	
						\$0.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
<i>Target Funding</i>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Appropriations/Revenues	2025	2026	2027	2028	2029	Total
<b>Estimated Tax Appropriation</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
Estimated Grant Funds/Reimbursements						<b>\$0.00</b>
Estimated Donations						<b>\$0.00</b>
						<b>\$0.00</b>
<i>Est Appropriation/Revenue</i>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	<b>\$0.00</b>
Est Balance	\$15,914.00	\$15,914.00	\$15,914.00	\$15,914.00	\$15,914.00	













CAPITAL IMPROVEMENT PROJECT DEPARTMENT OVERVIEW

<b>Reserve Name:</b> Cemetery	FY '23 Est Bal	\$30,262.00
CIP Period: FY 2025 - FY 2029	FY '24 Approp.	\$12,500.00
Prepared By: Andrew Dorr	FY '24 Exp.	-\$35,700.00
Date: 2/19/2024	FY '25 Est Beg. Bal.	\$7,062.00

<b>Funding History</b>	<b>2021 Actual</b>	<b>2022 Actual</b>	<b>2023 Actual</b>	<b>2024 Actual</b>	<b>Total</b>	
Appropriations	\$9,400.00	\$19,400.00	\$23,500.00	\$12,500.00	\$64,800.00	
Expenditures	-\$8,378.94	-\$28,476.46	\$0.00	-\$35,700.00	-\$72,555.40	
5-Yr Projection						
<b>Capital Projects/Expenditures</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>Total</b>
Trees: Hillside						\$0.00
Trees: Chapman-McAllister	-\$6,000.00	-\$18,000.00	-\$18,000.00			-\$42,000.00
						\$0.00
Headstones	-\$3,000.00		-\$10,000.00	-\$3,500.00	-\$3,500.00	-\$20,000.00
Hillside Church St Retaining Wall						\$0.00
Bethlehem Back Stone Wall			-\$7,800.00			-\$7,800.00
Walpole S/SE Wall		-\$6,000.00				-\$6,000.00
Fence along Hodgdon St						\$0.00
Hillside Columbarium						\$0.00
Road Maintenance: Hillside Ln, Bethlehem shoulder work	-\$5,000.00	-\$25,000.00				-\$30,000.00
						\$0.00
<i>Target Funding</i>	-\$14,000.00	-\$49,000.00	-\$35,800.00	-\$3,500.00	-\$3,500.00	-\$105,800.00
<b>Appropriations/Revenues</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>Total</b>
<b>Estimated Tax Appropriation</b>	<b>\$25,000.00</b>	<b>\$35,000.00</b>	<b>\$35,000.00</b>	<b>\$35,000.00</b>	<b>\$35,000.00</b>	<b>\$165,000.00</b>
Estimated Grant Funds/Reimbursements						\$0.00
Estimated Donations						\$0.00
						\$0.00
<i>Est Appropriation/Revenue</i>	<i>\$25,000.00</i>	<i>\$35,000.00</i>	<i>\$35,000.00</i>	<i>\$35,000.00</i>	<i>\$35,000.00</i>	<i>\$165,000.00</i>
Est Balance	\$18,062.00	\$4,062.00	\$3,262.00	\$34,762.00	\$66,262.00	





CAPITAL IMPROVEMENT PROJECT DEPARTMENT OVERVIEW

<b>Reserve Name:</b> Landfill	FY '23 Est Bal	\$15,818.00
CIP Period: FY 2025 - FY 2029	FY '24 Approp.	\$4,000.00
Prepared By: Andrew Dorr	FY '24 Exp.	\$0.00
Date: 2/19/2024	FY '25 Est Beg. Bal.	\$19,818.00

<b>Funding History</b>	<b>2021 Actual</b>	<b>2022 Actual</b>	<b>2023 Actual</b>	<b>2024 Actual</b>	<b>Total</b>
Appropriations	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$16,000.00
Expenditures	\$0.00	-\$300.00	-\$330.00	\$0.00	-\$630.00

5-Yr Projection

<b>Capital Projects/Expenditures</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>Total</b>
Manage Closed Landfill						\$0.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
<i>Target Funding</i>	<i>\$0.00</i>	<i>\$0.00</i>	<i>\$0.00</i>	<i>\$0.00</i>	<i>\$0.00</i>	<i>\$0.00</i>

<b>Appropriations/Revenues</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>Total</b>
<b>Estimated Tax Appropriation</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
Estimated Grant Funds/Reimbursements						\$0.00
Donations						\$0.00
						\$0.00
<i>Est Appropriation/Revenue</i>	<i>\$0.00</i>	<i>\$0.00</i>	<i>\$0.00</i>	<i>\$0.00</i>	<i>\$0.00</i>	<i>\$0.00</i>
Est Balance	\$19,818.00	\$19,818.00	\$19,818.00	\$19,818.00	\$19,818.00	









CAPITAL IMPROVEMENT PROJECT DEPARTMENT OVERVIEW 2/19/2024

<b>Reserve Name:</b> Payroll Liability	FY '23 Est Bal	\$1,918.00
CIP Period: FY 2025 - FY 2029	FY '24 Approp.	\$0.00
Prepared By: Andrew Dorr	FY '24 Exp.	\$0.00
Date: 2/19/2024	FY '25 Est Beg. Bal.	\$1,918.00

Funding History	2021 Actual	2022 Actual	2023 Actual	2024 Actual	Total
Appropriations	\$0.00	\$0.00	0	\$0.00	\$0.00
Expenditures	\$0.00	-\$22,218.66	\$0.00	\$0.00	-\$22,218.66

5-Yr Projection						
Capital Projects/Expenditures	2025	2026	2027	2028	2029	Total
PTO buyout, health insurance premium, HRA, etc...	-\$5,000.00	-\$20,000.00	\$0.00	\$0.00	\$0.00	-\$25,000.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
<i>Target Funding</i>	-\$5,000.00	-\$20,000.00	\$0.00	\$0.00	\$0.00	-\$25,000.00

Appropriations/Revenues	2025	2026	2027	2028	2029	Total
<b>Estimated Tax Appropriation</b>	<b>\$15,000.00</b>	<b>\$20,000.00</b>	<b>\$20,000.00</b>	<b>\$15,000.00</b>	<b>\$10,000.00</b>	<b>\$80,000.00</b>
Estimated Grant Funds/Reimbursements						\$0.00
Estimated Donations						\$0.00
						\$0.00
<i>Est Appropriation/Revenue</i>	<i>\$15,000.00</i>	<i>\$20,000.00</i>	<i>\$20,000.00</i>	<i>\$15,000.00</i>	<i>\$10,000.00</i>	<b>\$80,000.00</b>
Est Balance	\$11,918.00	\$11,918.00	\$31,918.00	\$46,918.00	\$56,918.00	