



RUTHANNE FULLER  
MAYOR

City of Newton, Massachusetts  
Office of the Mayor

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April 24, 2023

Honorable City Council  
Newton City Hall  
1000 Commonwealth Avenue  
Newton Centre, MA 02459

Dear Councilors:

I respectfully submit a docket item to your Honorable Council requesting authorization to appropriate and expend the sum of \$1,000,000 from June 30, 2022, Certified Free Cash to the Department of Public Works Vehicle Equipment Account to fund vehicle replacements per the City's Vehicle Replacement Schedule as detailed in the FY24-FY28 C.I.P.

Vehicles included in this request include two street sweepers for the Sustainable Materials Division, a utility truck for the Traffic Division, two asphalt rollers and a backhoe for the Streets Division, and a work van for the Public Buildings Department. These vehicles and equipment are in poor condition and beyond their useful life, and will be replaced per the Capital Improvement Plan. All new vehicles and equipment will be used in daily operations.

In an effort to minimize debt service payments and free-up operating funds, and because the June 30, 2022 Certified Free Cash was much higher than is customary, we have proposed utilizing Free Cash for these one-time expenditures.

Please see the attached memo from Public Works Commissioner Jim McGonagle, as well as the included information for each of the replacement vehicles.

Thank you for your consideration of this matter.

Sincerely,

*Ruthanne Fuller*  
Ruthanne Fuller  
Mayor

CITY CLERK  
NEWTON, MA. 02459

2023 APR 27 PM 1:47

RECEIVED



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**CITY OF NEWTON, MASSACHUSETTS**  
DEPARTMENT OF PUBLIC WORKS

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Ruthanne Fuller, Mayor  
James McGonagle  
Commissioner of Public Works

Telephone (617) 796-1000  
Facsimile (617) 796-1050  
E-mail: [jmcgonagle@newtonma.gov](mailto:jmcgonagle@newtonma.gov)

To: Maureen Lemieux, Chief Financial Officer  
Jonathan Yeo, Chief Operating Officer

From: James McGonagle, Commissioner of Public Works

Subject: Request to Appropriate \$1,000,000 for Vehicle/Equipment  
Replacement

Date: April 27, 2023

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I respectfully request that the Mayor docket a request to appropriate \$1,000,000 to replace two street sweepers in Sustainable Materials Management Division, a utility truck in Traffic Division, and two asphalt rollers and a backhoe in Streets Division, and a work van in Public Buildings Department. These vehicles and equipment are in poor condition and beyond their useful life. All new vehicles and equipment will be used in daily operations.

Attached are vehicle profiles for the vehicles and equipment to be replaced.

The purchase of these vehicles and equipment is in line with the City's Vehicle Replacement Plan.

Thank you for your consideration of this matter.

cc: Shawna Sullivan, Deputy Commissioner  
Kelley Cadman, DPW Budget Director



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**CITY OF NEWTON, MASSACHUSETTS**  
DEPARTMENT OF PUBLIC WORKS

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Ruthanne Fuller, Mayor  
James McGonagle  
Commissioner of Public Works

Telephone (617) 796-1000  
Facsimile (617) 796-1050  
E-mail: [jmcgonagle@newtonma.gov](mailto:jmcgonagle@newtonma.gov)

To: Maureen Lemieux, Chief Financial Officer  
Jonathan Yeo, Chief Operating Officer

From: James McGonagle, Commissioner of Public Works

Subject: Request to Appropriate \$2,500,000 for the Transportation Network  
Improvement Plan

Date: April 21, 2023

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I respectfully request that the Mayor docket a request to appropriate \$1,000,000 to replace two street sweepers in Sustainable Materials Management Division, a utility truck in Traffic Division, and two asphalt rollers in Streets Division, and a work van in Public Buildings Department. These vehicles and equipment are in poor condition and beyond their useful life. All new vehicles and equipment will be used in daily operations.

Attached are vehicle profiles for the vehicles and equipment to be replaced.

The purchase of these vehicles and equipment is in line with the City's Vehicle Replacement Plan.

Thank you for your consideration of this matter.

cc: Shawna Sullivan, Deputy Commissioner  
Kelley Cadman, DPW Budget Director



# Vehicle Profile

## Newton, MA

**Vehicle:** 34 2011 Chevrolet Silverado 1500 (White) (Plate# M87558)

**Vehicle Identification and Status:**

<b>VIN:</b>	1GCNKPE05BZ451411	<b>Mileage:</b>	62169	<b>Status:</b>	Available
<b>Title No.:</b>		<b>Engine Hours:</b>	0	<b>Location:</b>	Crafts Street
<b>USDOT No.:</b>		<b>Condition:</b>	Average	<b>Use Category:</b>	Intermittent Rough Use

**Vehicle Photos** **Vehicle Specifications**

Driver Front Corner



Passenger Front



Driver Rear Corner



Passenger Rear



<b>Liters:</b>	5.3L	<b>Fuel Type:</b>	Gas
<b>Cylinders:</b>	8	<b>Fuel Tank Size:</b>	
<b>Alt Fuel:</b>	No	<b>Transmission:</b>	AUTO
<b>GVW:</b>	7000	<b>MTW:</b>	
<b>Front Tire Size:</b>		<b>Rear Tire Size:</b>	
<b>Front Brakes:</b>		<b>Rear Brakes:</b>	
<b>Brake System:</b>	Hydraulic	<b>Drivetrain:</b>	4WD

**Vehicle Fluids**

<b>Motor Oil:</b>	5w20 Syn Blend	<b>Rear Axle Fluid:</b>	
<b>Transfer Case Fluid:</b>		<b>Hub Fluid:</b>	
<b>Transmission Fluid:</b>	80w90	<b>Hydraulic Fluid:</b>	
<b>Front Axle Fluid:</b>		<b>Coolant:</b>	Zerex NF HD

**Vehicle Filters**

<b>Oil Filter 1:</b>		<b>Cabin Filter 1:</b>	
<b>Oil Filter 2:</b>		<b>Cabin Filter 2:</b>	
<b>Air Filter 1:</b>		<b>Cabin Filter 3:</b>	
<b>Air Filter 2:</b>		<b>Breather 1:</b>	
<b>Air Filter 3:</b>		<b>Breather 2:</b>	
<b>Fuel Filter 1:</b>		<b>Gasket / O-Ring 1:</b>	
<b>Fuel Filter 2:</b>		<b>Gasket / O-Ring 2:</b>	
<b>Fuel Filter 3:</b>		<b>Gasket / O-Ring 3:</b>	
<b>Fuel Filter 4:</b>		<b>Power Steering Filter:</b>	
<b>Hydraulic Filter 1:</b>		<b>Coolant Filter:</b>	
<b>Hydraulic Filter 2:</b>		<b>Other 1:</b>	
<b>Transmission Filter 1:</b>		<b>Other 2:</b>	
<b>Transmission Filter 2:</b>		<b>Other 3:</b>	



# Vehicle Profile

## Newton, MA

**Vehicle:** 34 2011 Chevrolet Silverado 1500 (White) (Plate# M87558)

### Annual Vehicle Maintenance Summary

Year	Num Of Repairs	Repair Costs	Num Of PMs	PM Costs	Annual Costs
2023	8	\$ 1,705.05	1	\$ 76.49	\$ 1,781.54
2022	3	\$ 1,744.87	1	\$ 76.49	\$ 1,821.36
2021	8	\$ 5,816.97	3	\$ 178.85	\$ 5,995.82
2020	12	\$ 4,620.67	2	\$ 164.20	\$ 4,784.87
2019	4	\$ 69.44	1	\$ 66.29	\$ 135.73
2018	3	\$ 485.76	0	\$ 0.00	\$ 485.76



# Vehicle Profile

## Newton, MA

Vehicle: 114 2009 Stone WP3100 (Yellow) (Plate# None)

Vehicle Identification and Status:

VIN:	152009055	Mileage:	0	Status:	Available
Title No.:		Engine Hours:	822	Location:	
USDOT No.:		Condition:	Average	Use Category:	Medium Consistent Duty

Vehicle Photos Vehicle Specifications

Driver Front Corner	Liters:		Fuel Type:	Diesel
	Cylinders:		Fuel Tank Size:	
	Alt Fuel:	No	Transmission:	AUTO
	GVW:		MTW:	
	Front Tire Size:		Rear Tire Size:	
	Front Brakes:		Rear Brakes:	
	Brake System:		Drivetrain:	RWD

Vehicle Fluids			
Motor Oil:	15w40	Rear Axle Fluid:	
Transfer Case Fluid:		Hub Fluid:	
Transmission Fluid:		Hydraulic Fluid:	Mobil 424
Front Axle Fluid:		Coolant:	Zerex NF HD

Vehicle Filters			
Oil Filter 1:	1365	Cabin Filter 1:	
Oil Filter 2:		Cabin Filter 2:	
Air Filter 1:	6449	Cabin Filter 3:	
Air Filter 2:		Breather 1:	
Air Filter 3:		Breather 2:	
Fuel Filter 1:	3389	Gasket / O-Ring 1:	
Fuel Filter 2:	3972	Gasket / O-Ring 2:	
Fuel Filter 3:		Gasket / O-Ring 3:	
Fuel Filter 4:		Power Steering Filter:	
Hydraulic Filter 1:		Coolant Filter:	
Hydraulic Filter 2:		Other 1:	
Transmission Filter 1:		Other 2:	
Transmission Filter 2:		Other 3:	

Driver Front Corner

Passenger Front

Driver Rear Corner

Passenger Rear



# Vehicle Profile

## Newton, MA

Vehicle: 114 2009 Stone WP3100 (Yellow) (Plate# None)

### Annual Vehicle Maintenance Summary

Year	Num Of Repairs	Repair Costs	Num Of PMs	PM Costs	Annual Costs
2023	2	\$ 142.52	0	\$ 0.00	\$ 142.52
2022	4	\$ 3,454.17	1	\$ 107.89	\$ 3,562.06
2021	11	\$ 3,086.11	1	\$ 0.00	\$ 3,086.11
2020	1	\$ 1,130.21	1	\$ 68.87	\$ 1,199.08
2019	9	\$ 2,915.47	1	\$ 67.00	\$ 2,982.47
2018	1	\$ 394.38	1	\$ 175.28	\$ 569.66



# Vehicle Profile

## Newton, MA

Vehicle: 116 2009 Stone WP4100 (Yellow) (Plate# None)

Vehicle Identification and Status:

VIN:	192009046	Mileage:	0	Status:	Available
Title No.:		Engine Hours:	1042	Location:	Highway Elliot
USDOT No.:		Condition:	Average	Use Category:	Medium Consistent Duty

Vehicle Photos Vehicle Specifications

Driver Front Corner	Liters:	0.898 L	Fuel Type:	Diesel
	Cylinders:		Fuel Tank Size:	
	Alt Fuel:	No	Transmission:	AUTO
	GVW:		MTW:	
	Front Tire Size:		Rear Tire Size:	
	Front Brakes:		Rear Brakes:	
	Brake System:		Drivetrain:	RWD
Vehicle Fluids				
Passenger Front	Motor Oil:	15w40	Rear Axle Fluid:	
	Transfer Case Fluid:		Hub Fluid:	
	Transmission Fluid:		Hydraulic Fluid:	Mobil 424
	Front Axle Fluid:		Coolant:	Zerex NF HD
Vehicle Filters				
Driver Rear Corner  Passenger Rear	Oil Filter 1:	7712	Cabin Filter 1:	
	Oil Filter 2:		Cabin Filter 2:	
	Air Filter 1:	6449	Cabin Filter 3:	
	Air Filter 2:		Breather 1:	
	Air Filter 3:		Breather 2:	
	Fuel Filter 1:	3389	Gasket / O-Ring 1:	
	Fuel Filter 2:		Gasket / O-Ring 2:	
	Fuel Filter 3:		Gasket / O-Ring 3:	
	Fuel Filter 4:		Power Steering Filter:	
	Hydraulic Filter 1:	1586	Coolant Filter:	
	Hydraulic Filter 2:		Other 1:	Fan belt: Napa
	Transmission Filter 1:		Other 2:	
	Transmission Filter 2:		Other 3:	





# Vehicle Profile

## Newton, MA

Vehicle: 116 2009 Stone WP4100 (Yellow) (Plate# None)

### Annual Vehicle Maintenance Summary

Year	Num Of Repairs	Repair Costs	Num Of PMs	PM Costs	Annual Costs
2023	5	\$ 340.83	0	\$ 0.00	\$ 340.83
2022	4	\$ 2,210.09	1	\$ 114.09	\$ 2,324.18
2021	8	\$ 2,593.99	1	\$ 199.89	\$ 2,793.88
2020	4	\$ 207.63	1	\$ 86.93	\$ 294.56
2019	5	\$ 526.79	1	\$ 94.78	\$ 621.57
2018	1	\$ 781.76	0	\$ 0.00	\$ 781.76



# Vehicle Profile

## Newton, MA

Vehicle: 143 2014 Elgin Pelican (Orange) (Plate# M87254)

Vehicle Identification and Status:

VIN:	NP30171	Mileage:	0	Status:	OS
Title No.:		Engine Hours:	6751	Location:	
USDOT No.:		Condition:	Average	Use Category:	Heavy Consistent Duty

Vehicle Photos Vehicle Specifications

Driver Front Corner	Liters:	4.5L	Fuel Type:	Diesel
	Cylinders:	4	Fuel Tank Size:	
	Alt Fuel:	No	Transmission:	CV
	GVW:	15500	MTW:	
	Front Tire Size:	11R22.5	Rear Tire Size:	10R17.5
	Front Brakes:	Disc	Rear Brakes:	
	Brake System:	Hydraulic	Drivetrain:	FWD

Vehicle Fluids			
Motor Oil:	15w40	Rear Axle Fluid:	
Transfer Case Fluid:		Hub Fluid:	Mobil SHC-629
Transmission Fluid:		Hydraulic Fluid:	Mobil NUTO H68
Front Axle Fluid:		Coolant:	Zerex NF HD

Vehicle Filters			
Oil Filter 1:	7750S	Cabin Filter 1:	2562
Oil Filter 2:		Cabin Filter 2:	
Air Filter 1:	2330	Cabin Filter 3:	
Air Filter 2:	2331	Breather 1:	
Air Filter 3:		Breather 2:	
Fuel Filter 1:	3739	Gasket / O-Ring 1:	R502513
Fuel Filter 2:		Gasket / O-Ring 2:	
Fuel Filter 3:		Gasket / O-Ring 3:	
Fuel Filter 4:		Power Steering Filter:	
Hydraulic Filter 1:	7970171 (once a	Coolant Filter:	
Hydraulic Filter 2:		Other 1:	Crank case breather
Transmission Filter 1:		Other 2:	
Transmission Filter 2:		Other 3:	

Driver Front Corner  
 Passenger Front  
 Driver Rear Corner  
 Passenger Rear



# Vehicle Profile

## Newton, MA

Vehicle: 143 2014 Elgin Pelican (Orange) (Plate# M87254)

### Annual Vehicle Maintenance Summary

Year	Num Of Repairs	Repair Costs	Num Of PMs	PM Costs	Annual Costs
2023	3	\$ 1,951.24	0	\$ 0.00	\$ 1,951.24
2022	26	\$ 14,581.42	3	\$ 1,244.41	\$ 15,825.83
2021	23	\$ 11,605.90	4	\$ 1,162.13	\$ 12,768.03
2020	28	\$ 17,848.95	2	\$ 2,514.00	\$ 20,362.95
2019	27	\$ 7,214.72	3	\$ 586.95	\$ 7,801.67
2018	2	\$ 52.76	1	\$ 0.00	\$ 52.76



# Vehicle Profile

## Newton, MA

Vehicle: 144 2013 Elgin Pelican (Orange) (Plate# M85544)

Vehicle Identification and Status:

VIN:	NP2689D	Mileage:	0	Status:	OS
Title No.:		Engine Hours:	6531	Location:	
USDOT No.:		Condition:	Average	Use Category:	Heavy Consistent Duty

Vehicle Photos	Vehicle Specifications
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Driver Front Corner	Liters:	4.5L	Fuel Type:	Diesel
	Cylinders:	4	Fuel Tank Size:	
	Alt Fuel:	No	Transmission:	CV
	GVW:	15500	MTW:	
	Front Tire Size:	11R22.5	Rear Tire Size:	10R17.5
	Front Brakes:	Disc	Rear Brakes:	
	Brake System:	Hydraulic	Drivetrain:	FWD

Vehicle Fluids			
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Motor Oil:	15w40 17 qts	Rear Axle Fluid:	
Transfer Case Fluid:		Hub Fluid:	Mobil SHC-629
Transmission Fluid:		Hydraulic Fluid:	Mobil NUTO H68
Front Axle Fluid:		Coolant:	Zerex NF HD

Vehicle Filters			
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Oil Filter 1:	7750S	Cabin Filter 1:	2562
Oil Filter 2:		Cabin Filter 2:	
Air Filter 1:	2330	Cabin Filter 3:	
Air Filter 2:	2331	Breather 1:	
Air Filter 3:		Breather 2:	
Fuel Filter 1:	3977	Gasket / O-Ring 1:	R502513
Fuel Filter 2:	3978	Gasket / O-Ring 2:	
Fuel Filter 3:		Gasket / O-Ring 3:	
Fuel Filter 4:		Power Steering Filter:	
Hydraulic Filter 1:	7970171 (once a	Coolant Filter:	
Hydraulic Filter 2:		Other 1:	Crank case breather
Transmission Filter 1:		Other 2:	
Transmission Filter 2:		Other 3:	

Driver Front Corner

Passenger Front

Driver Rear Corner

Passenger Rear



# Vehicle Profile

## Newton, MA

Vehicle: 144 2013 Elgin Pelican (Orange) (Plate# M85544)

### Annual Vehicle Maintenance Summary

Year	Num Of Repairs	Repair Costs	Num Of PMs	PM Costs	Annual Costs
2023	1	\$ 1,033.62	0	\$ 0.00	\$ 1,033.62
2022	17	\$ 5,933.41	2	\$ 6,628.14	\$ 12,561.55
2021	19	\$ 10,352.28	3	\$ 816.59	\$ 11,168.87
2020	23	\$ 26,477.72	2	\$ 5,569.06	\$ 32,046.78
2019	20	\$ 5,017.83	1	\$ 65.73	\$ 5,083.56
2018	2	\$ 174.65	1	\$ 0.00	\$ 174.65



# Vehicle Profile

Newton, MA

Vehicle: 727 2013 Ford E250 (White) (Plate# M99396)

Vehicle Identification and Status:

VIN:	1FTNE2EWXDDA04698	Mileage:	113286	Status:	Available
Title No.:		Engine Hours:	0	Location:	Elliot Street
USDOT No.:		Condition:	Very Poor	Use Category:	Medium Consistent Duty

Vehicle Photos Vehicle Specifications

Driver Front Corner	Liters:	4.6	Fuel Type:	Gas
	Cylinders:	8	Fuel Tank Size:	
	Alt Fuel:	No	Transmission:	AUTO
	GVW:	9000	MTW:	
	Front Tire Size:	245/75R16	Rear Tire Size:	245/75R16
	Front Brakes:		Rear Brakes:	
	Brake System:	Hydraulic	Drivetrain:	RWD

Vehicle Fluids			
Motor Oil:	5w20 Syn Blend	Rear Axle Fluid:	
Transfer Case Fluid:		Hub Fluid:	
Transmission Fluid:	Motorcraft LV	Hydraulic Fluid:	
Front Axle Fluid:		Coolant:	Zerex NF HD

Vehicle Filters			
Oil Filter 1:		Cabin Filter 1:	
Oil Filter 2:		Cabin Filter 2:	
Air Filter 1:		Cabin Filter 3:	
Air Filter 2:		Breather 1:	
Air Filter 3:		Breather 2:	
Fuel Filter 1:		Gasket / O-Ring 1:	
Fuel Filter 2:		Gasket / O-Ring 2:	
Fuel Filter 3:		Gasket / O-Ring 3:	
Fuel Filter 4:		Power Steering Filter:	
Hydraulic Filter 1:		Coolant Filter:	
Hydraulic Filter 2:		Other 1:	
Transmission Filter 1:		Other 2:	
Transmission Filter 2:		Other 3:	

Driver Front Corner  
 Passenger Front  
 Driver Rear Corner  
 Passenger Rear



# Vehicle Profile

Newton, MA

Vehicle: 727 2013 Ford E250 (White) (Plate# M99396)

## Annual Vehicle Maintenance Summary

Year	Num Of Repairs	Repair Costs	Num Of PMs	PM Costs	Annual Costs
2022	7	\$ 3,256.93	2	\$ 101.98	\$ 3,358.91
2021	9	\$ 7,765.79	4	\$ 300.52	\$ 8,066.31
2020	7	\$ 3,939.88	3	\$ 228.29	\$ 4,168.17
2019	4	\$ 272.18	3	\$ 246.94	\$ 519.12



# Vehicle Profile

## Newton, MA

Vehicle: **122 2011 Volvo BL70 (Yellow) (Plate# M88537)**

**Vehicle Identification and Status:**

VIN:	VCE00B70C00020361	Mileage:	0	Status:	Available
Title No.:		Engine Hours:	3378	Location:	
USDOT No.:		Condition:	Average	Use Category:	Medium Consistent Duty

**Vehicle Photos** **Vehicle Specifications**

Driver Front Corner



Passenger Front



Driver Rear Corner



Passenger Rear



Liters:		Fuel Type:	Diesel
Cylinders:		Fuel Tank Size:	
Alt Fuel:	No	Transmission:	AUTO
GVW:	14000	MTW:	
Front Tire Size:	12.5/80R18	Rear Tire Size:	19.5L-24
Front Brakes:	Drum	Rear Brakes:	Drum
Brake System:	Hydraulic	Drivetrain:	4WD

**Vehicle Fluids**

Motor Oil:	15w40 17 qts	Rear Axle Fluid:	WB102
Transfer Case Fluid:		Hub Fluid:	
Transmission Fluid:	AT102	Hydraulic Fluid:	Volvo Super 46
Front Axle Fluid:	WB102	Coolant:	Zerex NF HD

**Vehicle Filters**

Oil Filter 1:	1820	Cabin Filter 1:	9979
Oil Filter 2:		Cabin Filter 2:	
Air Filter 1:	2330	Cabin Filter 3:	
Air Filter 2:	2816	Breather 1:	Transmission
Air Filter 3:		Breather 2:	Differential
Fuel Filter 1:	3358	Gasket / O-Ring 1:	
Fuel Filter 2:	3782	Gasket / O-Ring 2:	
Fuel Filter 3:		Gasket / O-Ring 3:	
Fuel Filter 4:		Power Steering Filter:	
Hydraulic Filter 1:	1730	Coolant Filter:	
Hydraulic Filter 2:	11882636	Other 1:	
Transmission Filter 1:	7220	Other 2:	
Transmission Filter 2:		Other 3:	





# Vehicle Profile

Newton, MA

Vehicle: 122 2011 Volvo BL70 (Yellow) (Plate# M88537)

## Annual Vehicle Maintenance Summary

Year	Num Of Repairs	Repair Costs	Num Of PMs	PM Costs	Annual Costs
2023	5	\$ 1,366.03	0	\$ 0.00	\$ 1,366.03
2022	16	\$ 5,812.70	1	\$ 313.01	\$ 6,125.71
2021	18	\$ 15,230.15	0	\$ 0.00	\$ 15,230.15
2020	24	\$ 16,499.06	1	\$ 265.07	\$ 16,764.13
2019	21	\$ 8,824.16	1	\$ 68.04	\$ 8,892.20
2018	2	\$ 0.00	0	\$ 0.00	\$ 0.00