

Public Works

34 Middletown Avenue
203-946-7700

Department Head:

Douglas Arndt
darndt@newhavenct.net
203-946-6132

Additional Point Person:

Alan Bush, Deputy Director DPW
abush@newhavenct.net
203-946-8092

Positions: GF- 115

General Fund Budget:

\$ 11,649,892

Capital Fund Budget:

\$2,473,106

Special fund Budget:

\$50,000

Legal Authority: Code of Ordinances/Charter

[Sec. 2-271 to 2-277](#) The department of public works is hereby created as a functional unit of city government, and said department shall be under the charge of the director of public works.

[Charter Sec. 82 to 95](#)

Mission/Overview:

The mission of the Department of Public Works is to provide effective maintenance and management of the City's infrastructure and public assets in order to improve the overall cleanliness and quality of life in the City of New Haven. This mission is supported through the efforts of the several operating divisions of the department as follows:

- The Street Division provides daily delivery of services in support of maintaining the Right of Way (ROW) through a variety of programs, such as street sweeping, bulk pick-up, drainage repairs, pavement repairs, sidewalk maintenance, snow removal and general cleanliness of the roads and sidewalks within the City.
- The Bridge Division provides for the safe and reliable operation of three movable bridges consistent with the Coast Guard regulations and maintains the New Haven bridge system, including fixed bridges for safe usage by vehicles and pedestrians.
- The Refuse Division provides for the efficient collection of household waste, including the collection of mixed solid waste, recyclables, and seasonal wastes, thereby promoting clean and healthy neighborhoods.
- The Recycling Division provides for the education and promotion of a recycling program within the city and establishes disposal or recycling outlets for a variety

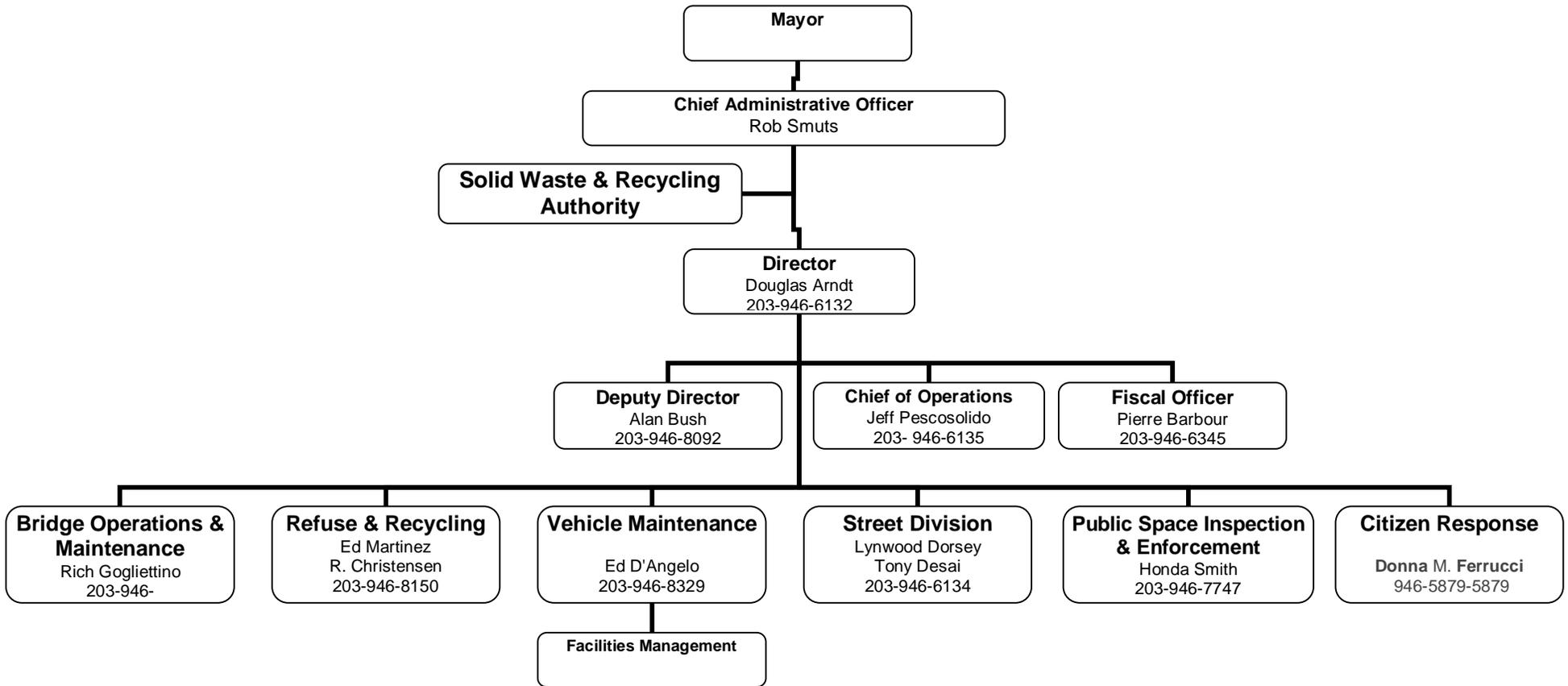
of waste streams, thus minimizing unnecessary MSW volumes. Implemented single stream recycling program throughout the City, thereby creating efficiencies through waste volume reductions.

- The Fleet Maintenance provides for the efficient maintenance of all rolling stock and motorized equipment assigned to the department. Life cycle evaluations, replacement equipment, efficient fueling, yard safety, and environmental handling of all equipment and related support equipment, are examples of required responsibilities.
- ROW Enforcement ensures that the uses of the ROW follow City Ordinances as it pertains to sidewalks, refuse collection, snow removal, signage, civil uses and safety.
- Eviction Services provides for the contracted storage of personal goods processed through legal evictions and insures that the chain of custody is established in accordance with State and local regulations and laws.

Attention Required by March 31st:

- **FY 15 Funding Request for Refuse Trucks: \$1,305,000**
- **FY 15 Funding Request or Highway Plow vehicles: \$1,640,000**

Organization Chart for the New Haven Public Works Department



Budget Summary

Department of Public Works
 Total General Fund Budget 2013-14
 \$11,649,892

OBJECT CODE	EXPENSE DESCRIPTION	NOTES	AMOUNT(S)
50110	Permanent Salaries	115 Full Time Positions	\$5,566,700
50130	Overtime	Includes Admin, Fleet Maint. Refuse & Recycling collection, Bridges, & (Snow/Ice OT @ \$218,000)	\$571,000
52000	Utilities	Natural Gas, Electricity, #2 Heating Oil	\$297,000
56694	Other Contractual Services <i>(by division)</i>		
	<i>Admin-1010</i>	Business printing, HVAC, Transfer Station Coupons, Professional Memberships, Office equipment, Copying, Uniform/clothing	\$54,000
	<i>Fleet Maintenance-2100</i>	Tire services, collision, lubricants, shop supplies & services	\$90,000
	<i>Snow & Ice-8060</i>	Road Salt, sand, plowing contracts, weather warning services	\$300,000
	<i>Bridges-8070</i>	Misc bridge maintenance tools, greases hardware, cleaning supplies	\$25,000
	<i>Facility Maintenance-8080</i>	Power tools, green cleaning supplies, Pest and Pigeon Control services, outdoor power equipment, maintenance contract services, Haz-Waste	\$50,000
	<i>Recycling-8110</i>	Wood chipping, Leaf composting & recycling, Street sweeping & catch basin grit disposal Catch basin clearing svcs., Scrap tire disposal, recycle propane tanks	\$350,000
	<i>Transfer Station-8120</i>	Solid Waste disposal, Stormwater and groundwater testing, analysis, monitoring Flare station maintenance, testing, & monitoring contract(s)	\$3,325,000
53000 to 55570	Other, Non Personal-misc	Office, advertising, printing, rental equipment Maintenance agreements (other than 56694) Gas & Diesel, Vehicle parts & supplies	\$1,021,192
			\$11,649,892

**Department of Public Works
Capital Projects Budget 2013-14
\$2,473,106**

OBJECT CODE	EXPENSE DESCRIPTION	NOTES	AMOUNT(S)
3C141 407	Rolling Stock	City fleet vehicles, heavy equipment, dump trucks, payloaders(s), refuse vehicles, recycling vehicles and other road or street maintenance equipment	\$500,000
3C141 408	Bridge Upgrades & Repairs	Maintain mechanical and electrical integrity of the City's three movable bridges, as well as, fund some repairs to some of the stationary bridges (or leverage State/Federal funding)	\$150,000
3C141 409	Pavement Management & Infrastructure	LOCIP allocation from State to maintain, repair, or improve City's pavement & sidewalk inventory as well as fund public building major repairs involving code compliance issues and public safety	\$1,673,106
3C141 410	Refuse and Recycling Waste Stream Improvements	Purchase, repair, or upgrade refuse and recycling equipment, containers, or fund environmental consulting contracts regarding waste stream	\$150,000
			\$2,473,106

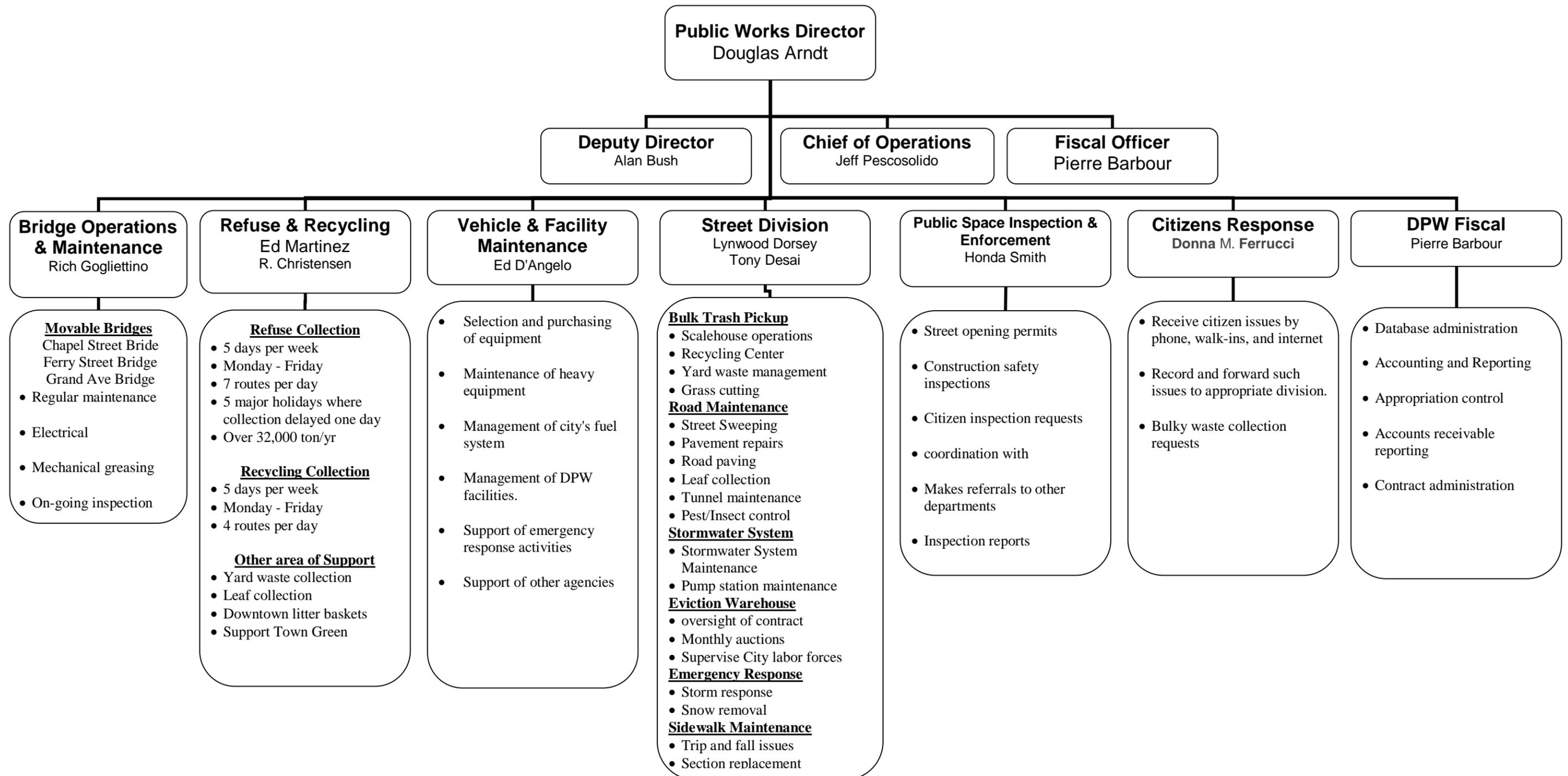
Summary of Open Items:

Public Works Facility: Central Garage located at 34 Middletown Ave is a three story concrete structure built in the 1950's. The top floor slab used for vehicle repairs has been structurally compromised by the presence of road salt over the past 60 years. The City has been forced to spend \$500,000 on a temporary measure that will prolong the building's useful life for another (5) five years. We are currently working through the construction process to have this work done sometime over the winter. \$6.5 million will need to be invested into the permanent repair of the floor and the replacement of the sites underground fuel storage tanks in FY19.

Regional opportunities: - The Public Works Department maintains healthy relationships with the surrounding communities and takes advantage of cost saving opportunities when possible.

Key System Processes

Functional Organization Chart for the New Haven Public Works Department:



Public Works Deficiencies/Attention Required:

Major deficiencies within The Department of Public Works include:

Equipment Replacement - As the attached equipment plan illustrates, the Public Works Department is in dire need of funding to bring our equipment up to date. The consequences for not following the recommended funding plan will have significant impacts on how this department performs its core critical safety functions, chiefly daily refuse collection and emergency snowstorm response.

Public Works Facility: As stated under Open Items, the issues with the Public Works Facility located at 34 Middletown Ave, will require \$6.5 million funding by FY 19.

Key Contacts:

Key contacts

Company	Name	Telephone		E-mail	Relation
		Office	Cell		
DEEP	Keven Zawoy	860-424-3626		kevin.zawoy@ct.gov	Long Island sound permits
DEEP	Krista Romero	860-424-3399		krista.fisk@ct.gov	Long Island sound permits
DOT distr 3	Shawn Beaulieu	203-389-3160		shawn.beaulieu@ct.gov	STP project coordinator
DOT distr 3	Paul Holmes	203-389-3002		paul.holmes@ct.gov	DOT permis
DOT distr 3	Mark Rolfe dist engr	203-389-3100		mark.rolfe@ct.gov	District Engineer
DOT distr 3 maint	Jake Yomans	203-389-3090			maintenance services
DOT Dstr 3A	Brian Mercure	203-785-8082		brian.mercure@ct.gov	Asst Distr Engr I-95
DOT hdqters	Hugh Hayward	860-534-3219		hugh.hayward@ct.gov	Municipal service engineer
DOT hdqters	Douglas Hummel	860-594-2441		douglas.hummel@ct.gov	Rights of Way
DOT hdqters	Stanley Juber	860-594-3213		stanley.juber@ct.gov	Local Bridge program
DOT hdqters	Thom Maziarz	860-594-2001		thomas.maziarz@ct.gov	Planning
DOT hdqters	Paul Metsack	860-594-3286		paul.metsack@ct.gov	Concept unit
DOT hdqters	Brian Natwick	860-594-3203		brian.natwick@ct.gov	Design
DOT hdqters	Paul Okeefe	860-594-3483		paul.okeefe@ct.gov	Concept unit
UI	Samantha Crowley	203-499-3824	203-623-7553	samantha.crowley@uinet.com	Manager Public Outreach
UI	Charles Maresca, Mgr Construction	203-926-4444	203-650-5472	charles.maresca@uinet.com	
UI	Larry Mai	203-499-2622			Street lights
SCG	Amos Barnes, Mgr Construction	203-795-7654	203-627-9608	abarnes@soconngas.com	Gas services
AT&T	Mark P. Burkhart, Engineering & Constr	203-266-4372	201-755-5441	mb2439@att.com	Communication services
RWA	Edward O. (Ted) Norris III, P.E.	203-401-2673		tnorris@rwater.com	Water System
RWA	Tony Delvecchio	203-401-2638	203-915-1299		SR Distribution/ Construction
RWA	Larry Marcik	203-401-6709	203-430-2480		Construction
GNHWPCA	Thomas Sgroi	203-466-5185		tsgroi@gnhwPCA.com	Sewer System
GNHWPCA	Rick Hurlburt	203-466-5263			Superintendent
Army Corp of Engineers		978-318-8238			
Army Corp of Engineers	Chris Field	978-318-8520			Regulatory Agency/ Morris Cove
USCG	New Captain?	(203) 468-4594		sean.p.gill@uscg.mil	
Yale					Projects
Fusco	Alan	203-787-2136		fusc@newhavenct.net	Government Center Maintenance
ORL	John Izzo	203-946-5167			NHPD HQ & Substation Maintenance
McVac	Josh Peruti	203-498-1427	203-623-5627	jperuti@mcvacenv.com	
Blakeslee, Arpaia & Chapman	Lucien Rizzo	203-483-2944		lrizzo@bac-inc.com	On Call Mechanical Svcs for Movable Bridges
Schulz	John Wilonski	203-562-5811			
Hardesty & Hanover	Michael D. Hawkins, PE	203-772-2857	203-314-6604	mhawkins@hardesty-hanover.com	On Call Engineering Svcs for Movable Bridges
GNHTD	Lorrie Richards	203-288-6282 x2519			Projects/ Fountain Ramsdell

Supporting Attachments:



Critical Funding Need - DPW Rolling Stock





Class 8 - Heavy Duty Plow Trucks

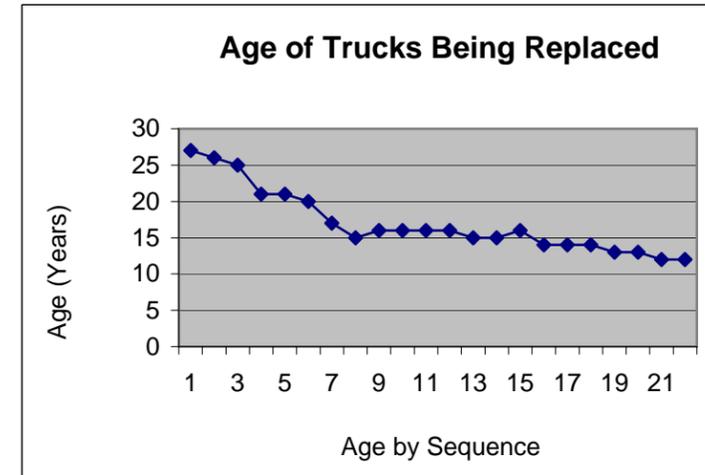
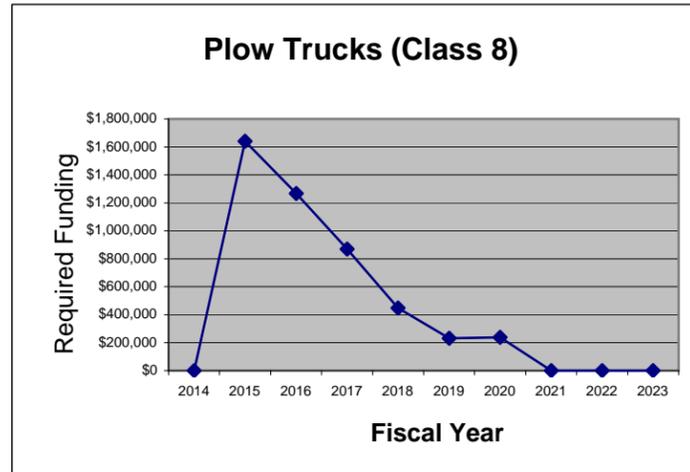
Critical Need: These trucks are the City's first line of defense in any snow/ice event

Consequence: Without these trucks, DPW would not be able to respond effectively to winter weather events leading to reduction of service and delayed response.

Purposed Served: New Haven has over 225 center linemiles

Minimum Need: City has 22 Plow Routes and requires at least one heavy truck per route

Assumption: new Truck & Plow \$205,000 fy 2015



#	DEPT	DPW	MAKE	YEAR	DESCRIPTION	Repl Yr	Repl Age	Yrs	%	Est Cost	\$/FY	Cycle Yr	Repl Age	Est Cost	\$/FY
1	streets	57	GMC	1988	Brigadier Dump	2015	27	0	3.00%	\$205,000		2023	10	\$262,052.23	
2	Streets	74	GMC	1989	Brigadier Van Body	2015	26	0	3.00%	\$205,000		2023	10	\$262,052.23	
3	Streets	66	GMC	1990	Top Kick Dump	2015	25	0	3.00%	\$205,000		2023	10	\$262,052.23	
4	Streets	76	Ford	1994	L8000 Dump	2015	21	0	3.00%	\$205,000		2023	10	\$262,052.23	
5	Streets	78	Ford	1994	L8000 Dump	2015	21	0	3.00%	\$205,000		2023	10	\$262,052.23	\$1,310,261
6	Streets	82	Ford	1995	LN8000 Dump	2015	20	0	3.00%	\$205,000		2024	11	\$269,912.80	
7	Streets	51	Mack	1998	Tractor CH613	2015	17	0	3.00%	\$205,000		2024	11	\$269,912.80	
8	Streets	56	International	2000	4900 Dump/Spread	2015	15	0	3.00%	\$205,000	\$1,640,000	2024	11	\$269,912.80	
9	Streets	64	International	2000	4900 Dump/Spread	2016	16	1	3.00%	\$211,149		2024	11	\$278,009.18	
10	Streets	67	International	2000	4900 Dump/Spread	2016	16	1	3.00%	\$211,149		2024	11	\$278,009.18	\$1,365,757
11	Streets	72	International	2000	4900 Dump/Spread	2016	16	1	3.00%	\$211,149		2025	12	\$286,348.46	
12	streets	94	Freightliner	2000	Tractor FLD120	2016	16	1	3.00%	\$211,149		2025	12	\$286,348.46	
13	Streets	53	International	2001	4900 Dump/Spread	2016	15	1	3.00%	\$211,149		2025	12	\$286,348.46	
14	Streets	68	International	2001	4900 Dump/Spread	2016	15	1	3.00%	\$211,149	\$1,266,894	2025	12	\$286,348.46	
15	Streets	73	International	2001	4900 Dump/Spread	2017	16	2	3.00%	\$217,482		2025	12	\$294,937.91	\$1,440,332
16	Streets	63	International	2003	4900 Dump/Spread	2017	14	2	3.00%	\$217,482		2026	13	\$303,785.05	
17	Streets	159	STERLING	2003	L7500 Dump	2017	14	2	3.00%	\$217,482		2026	13	\$303,785.05	
18	Streets	160	STERLING	2003	L7500 Dump	2017	14	2	3.00%	\$217,482	\$869,930	2026	13	\$303,785.05	
19	Streets	61	Sterling	2005	L7500 Dump/Spread	2018	13	3	3.00%	\$224,006		2026	13	\$312,897.60	
20	Streets	158	STERLING	2005	L7500 Dump	2018	13	3	3.00%	\$224,006	\$448,012	2026	13	\$312,897.60	\$1,537,150
21	Streets	156	STERLING	2007	STERLING ACTERRA	2019	12	4	3.00%	\$230,725	\$230,725	2027	14	\$331,951.03	
22	Streets	65	Sterling	2008	L7500 Dump/Spread	2020	12	5	3.00%	\$237,646	\$237,646	2027	14	\$341,908.56	\$673,860



Street Sweeper

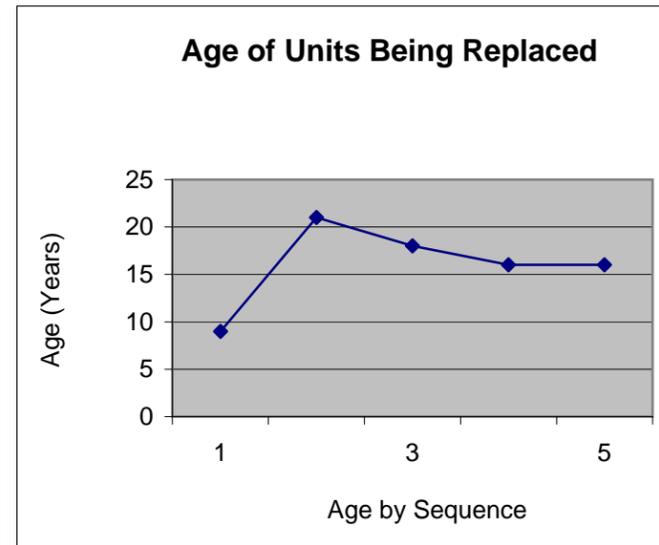
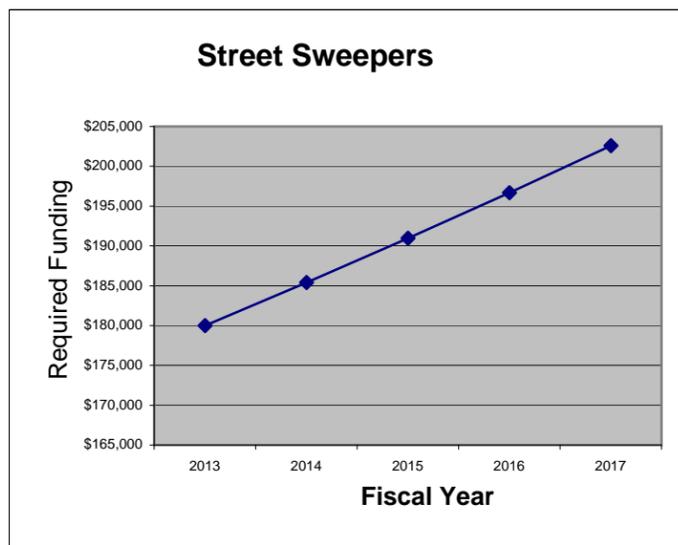
Critical Need: Sweepers are used to keep City streets clean of litter and debris.

Consequence: Without sweepers DPW would not be able to effectively clean the streets leading to the potential of unsanitary condition and a decrease in the quality of life.

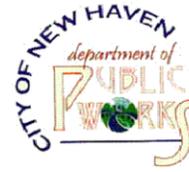
Purposed Served: Sweeper are used 9 months out of the year keeping the City's road network of over 550 lane miles of road clean.

MinimumNeed: DPW uses 5 three wheel sweepers to accomplish its' program.

Assumptions: New Sweeper \$180,000 fy 2014



#	DEPT	DPW	MAKE	YEAR	DESCRIPTION	Repl Yr	Repl Age	Yrs	%	Est Cost	\$/FY	Cycle Yr	Repl Age	Est Cost
1	Streets	131	Elgin	2004	3 wheel	2013	9	0	3.00%	\$180,000	\$180,000	2025	12	\$256,623
2	Streets	117	Elgin	1993	3 wheel	2014	21	1	3.00%	\$185,399	\$185,399	2026	12	\$264,320
3	Streets	119	Elgin	1997	3 wheel	2015	18	2	3.00%	\$190,960	\$190,960	2026	11	\$264,320
4	Streets	113	Elgin	2000	3 wheel	2016	16	3	3.00%	\$196,688	\$196,688	2026	10	\$264,320
5	Streets	116	Elgin	2001	3 wheel	2017	16	4	3.00%	\$202,587	\$202,587	2027	10	\$272,249



Refuse Trucks and Equipment

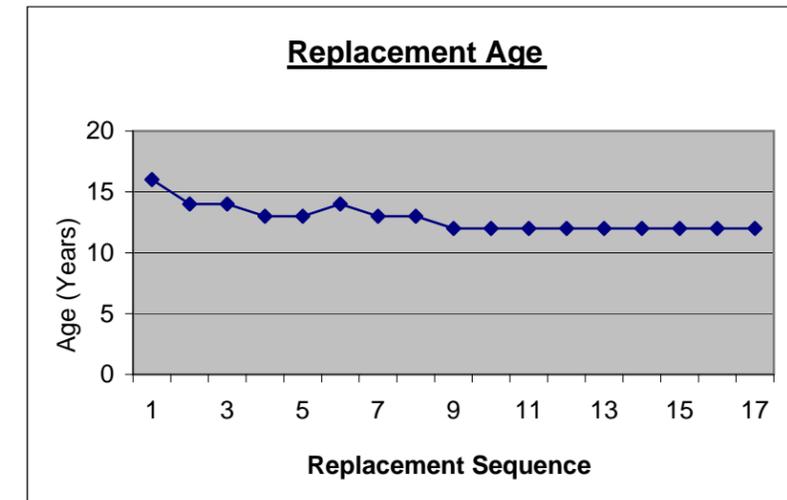
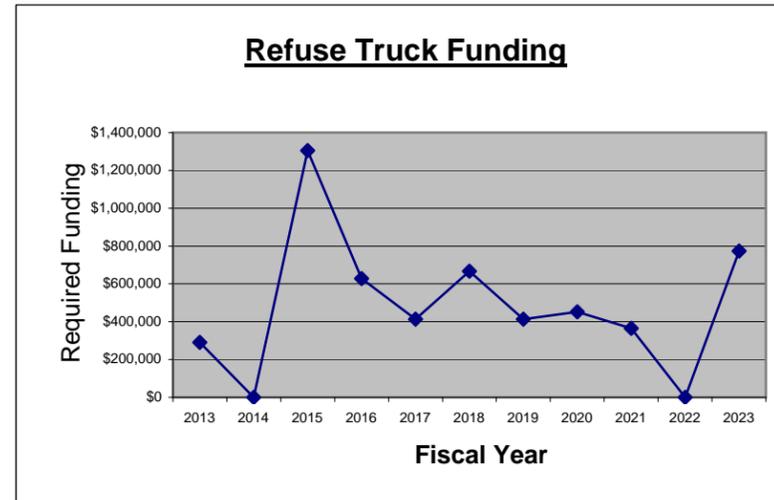
Critical Need: These trucks are used daily to collect the City's MSW and Recycling

Consequence of failure: Without these trucks the City's solid waste can not be collected. DPW would not be able to respond effectively to winter weather events leading to reduction of service and delayed response.

Purpose Served: New Haven collects over 5,600 tons of recyclables and over 32,000 tons of MSW

Minimum Need: City has 22 Plow Routes and requires at least one heavy truck per route

Assumptions: New Refuses Truck 305,000 fy 2013



#	DEPT	DPW	MAKE	YEAR	DESCRIPTION	Repl Yr	Repl Age	Yrs	%	Est Cost	\$/FY	Cycle Yr	Repl Age	Est Cost	\$/FY
2	Refuse	101R	Crane Carrier	1999	IRL 28-yd Refuse	2015	16	0	3.00%	\$305,000		2026	11	\$422,179	
3	Refuse	88R	Sterling	2001	Acterra M7500 Recycle	2015	14	0	3.00%	\$305,000		2026	11	\$422,179	
4	Refuse	102R	Crane Carrier	2001	LET-25-yd Refuse (P)	2015	14	0	3.00%	\$305,000		2026	11	\$422,179	\$1,266,536
5	Refuse	123	Ford F 450	2002	Haul All F450	2015	13	0	3.00%	\$85,000		2027	12	\$121,175	
6	Refuse	103R	Crane Carrier	2002	LET-25-yd Refuse (P)	2015	13	0	3.00%	\$305,000	\$1,305,000	2027	12	\$434,843	
7	Refuse	111R	Crane Carrier	2002	Pack Mor	2016	14	1	3.00%	\$314,149		2027	11	\$434,843	\$990,861
8	Refuse	100R	Crane Carrier	2003	Leach 32yd Refuse	2016	13	1	3.00%	\$314,149	\$628,298	2028	12	\$447,887	\$447,887
9	Refuse	123R	Sterling	2004	Haul All F450	2017	13	2	3.00%	\$90,174		2029	12	\$128,553	
10	Refuse	148R	Crane Carrier	2005	32-YD NEWWAY	2017	12	2	3.00%	\$323,572	\$413,747	2029	12	\$461,323	\$589,876
11	Refuse	106R	Crane Carrier	2006	LET2-46 NEWAY 32YD	2018	12	3	3.00%	\$333,279		2030	12	\$475,161	
12	Refuse	108R	Crane Carrier	2006	LET2-46 NEWAY 32YD	2018	12	3	3.00%	\$333,279	\$666,557	2030	12	\$475,161	\$950,323
13	Refuse	125	Sterling	2008	Haul All F450	2020	12	5	3.00%	\$98,533		2032	12	\$140,470	
14	Refuse	99R	CCC	2008	Leach 32yd Refuse	2020	12	5	3.00%	\$353,573	\$452,106	2032	12	\$504,097	\$644,567
15	Refuse	109R	Crane Carrier	2009	32 YD Neway	2021	12	6	3.00%	\$364,179	\$364,179	2033	12	\$519,219	\$519,219
16	Refuse	NEW 101	Crane Carrier	2011	new way	2023	12	8	3.00%	\$386,356		2035	12	\$550,837	
17	Refuse	104R	Crane Carrier	2011	32 NEW WAY REFUSE	2023	12	8	3.00%	\$386,356	\$772,712	2035	12	\$550,837	\$1,101,674
18	Refuse	141	ISUZU	2012	REFUSE PACKER	2024	12	9	3.00%	\$260,944	\$260,944	2036	12	\$372,030	\$372,030

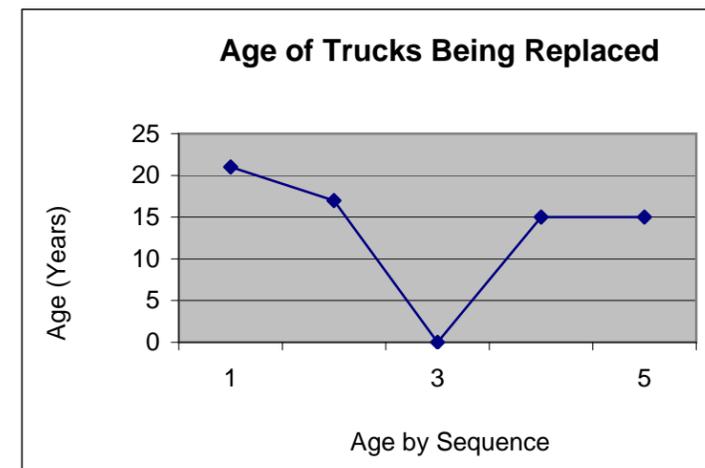
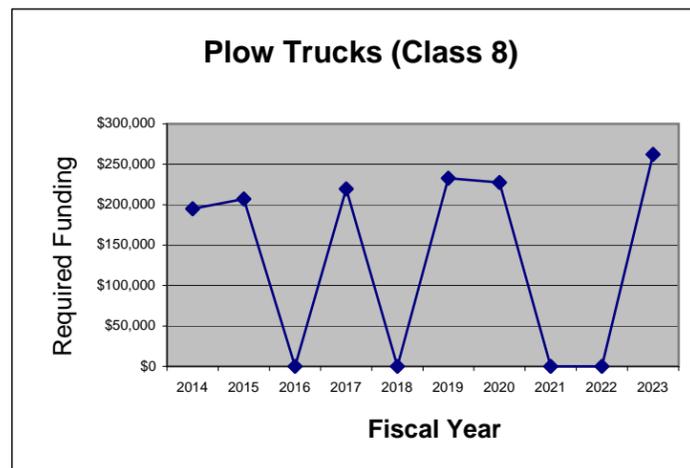


Wheel Loaders

Critical Need: Wheel loaders are the most versatile piece of equipment that are used all year round.
Consequence: Without wheel loaders DPW would not be able to respond and work effectively in all situations. Contracted services would have to be used to supplement these units if necessary.

Minimum Need: City currently has 4 wheel loaders and recommending a 5th one be added to supplement critical needs during citywide emergencies.

Assume new Wheel Loader & Attachments \$195,000 fy 2014



#	DEPT	DPW	MAKE	YEAR	DESCRIPTION	Repl Yr	Repl Age	Yrs	%	Est Cost	\$/FY	Cycle Yr	Repl Age	Est Cost	\$/FY
1	streets	135	Michigan	1993	Michigan	2014	21	0	3.00%	\$175,000	\$195,000	2029	15	\$303,785.05	303,785
2	Streets	136	Volvo	1998	L90E	2015	17	2	3.00%	\$206,873	\$206,873	2030	15	\$322,283.53	322,284
3	streets	New	Volvo		L90E	2017		4	3.00%	\$219,470	\$219,470	2032	15	\$341,908.56	341,909
4	Streets	137	Volvo	2004	L90E	2019	15	6	3.00%	\$232,834	\$232,834	2034	15	\$362,728.76	362,729
5	Streets	130	John Deere	2008		2023	15	10	3.00%	\$262,052	\$262,052	2038	15	\$408,250.24	408,250