



Highland Fire District



P.O. BOX 872 HIGHLAND, NEW YORK 12528

Peter D. Miller
Assistant Chief
(845) 691-6248

Fax
(845) 691-7919

August 12, 2014

Highland Fire District Board of Fire Commissioners
Highland Fire District
25 Milton Avenue
PO Box 872
Highland, New York 12528

RE: Apparatus Replacement Plan

Gentlemen:

Attached is the Highland Fire District Apparatus Plan which includes large fire apparatus, IE: pumpers, ladders and tanker/pumpers, and command cars.

This plan is based on many, many assumptions, such as increased costs of vehicles year-over-year; the length of time apparatus is estimated to be a viable unit and minimal changes in the demographics of the Highland Fire District in population, residential and commercial growth or contraction.

The cost numbers tend to reflect worse case scenarios based on straight line math with regard to increases in costs year-over-year, typically based on three percent (3%) per annum. This is based on replacement costs.

It is suggested in the plan, just as a referenced idea to once again, attempt to find a used aerial apparatus to reduce the apparatus expense. Unfortunately, I'm pretty sure we may never be able to put together as respectable a package as was done with the 1991 tower ladder.

The plan also provides as a scenario to possibly reduce the fleet by one pumper as one ages-out, becomes an operational liability and is removed from service. Again, as this is a dynamic document and this decision must be predicated on operational ability of the fire department to meet the needs of the district at the time this happens – NOT just as a cost reduction that may affect public safety and the firefighters lives.

Gentlemen – This is a dynamic document – nothing is cast in stone, and is presented to afford you the ability to see what the district's apparatus cost will possibly be over the next sixteen (16) years.

Peter D. Miller
Chief

APPARATUS REPLACEMENT PLAN - AUGUST 2014

Year #	Fund Addition	Apparatus Cost	Beginning of the Year Balance	With Used 31-45	With No 31-20	Beginning of the Year Balance
				Fund Addition	Fund Addition	
				Apparatus Cost	Apparatus Cost	Beginning of the Year Balance
2014	0	0	984,440	0	0	984,440
Apparatus Budget Appropriation						
Replace T31-50 (1987 GMC/E-one Tanker)		560,000		560,000	560,000	
2015	225,000	46,247	424,440	225,000	225,000	424,440
Apparatus Budget Appropriation						
Replace M31-80 [2006]		46,247		46,247	46,247	
2016	225,000		603,193	225,000	225,000	603,193
Apparatus Budget Appropriation						
2017	225,000	49,063	781,946	225,000	225,000	781,946
Apparatus Budget Appropriation						
Replace M31-80 [2008]		49,063		49,063	49,063	
2018	225,000		957,883	225,000	225,000	957,883
Apparatus Budget Appropriation						
Replace L31-45 (QUINT TOWER LADDER) [1991]		1,393,447		650,000	1,393,447	
2019	225,000		(210,564)	225,000	225,000	(210,564)
Apparatus Budget Appropriation						
Replace M31-80 [2011]		52,050		52,050	52,050	
2020	225,000		(37,614)	225,000	225,000	(37,614)
Apparatus Budget Appropriation						
Replace E31-20(PUMPER)[1994]		688,892		688,892		
2021	225,000		(501,506)	225,000	225,000	(501,506)
Apparatus Budget Appropriation						
Replace M31-80 [2013]		55,220		55,220	55,220	

2022	9	Apparatus Budget Appropriation	225,000	(331,726)	225,000	411,721	225,000	357,166
		Replace E31-30(PUMPER)[1996]	752,770		752,770		752,770	
2023	10	Apparatus Budget Appropriation	225,000	(859,496)	225,000	(116,049)	225,000	(170,604)
		Replace M31-80 [2015]	58,582		58,582		58,582	
2024	11	Apparatus Budget Appropriation	225,000	(693,078)	225,000	50,369	225,000	(4,186)
		Replace M31-80 [2017]	62,150		62,150		62,150	
2025	12	Apparatus Budget Appropriation	225,000	(1,266,692)	225,000	(523,245)	225,000	(577,801)
		Replace E31-10(PUMPER)[2001]	847,250		847,250		847,250	
2026	13	Apparatus Budget Appropriation	225,000	(1,103,842)	225,000	(62,150)	225,000	(62,150)
		Replace Car 31-C [2017]	56,927		56,927		56,927	
2027	14	Apparatus Budget Appropriation	225,000	(1,726,092)	225,000	(909,400)	225,000	(909,400)
		Replace R31-60 (HEAVY RESCUE) [2008]	1,005,425		1,005,425		1,005,425	
2028	15	Apparatus Budget Appropriation	225,000	(1,558,019)	225,000	(966,327)	225,000	(966,327)
2029	16			(2,338,444)		(1,971,752)		(1,971,752)