

City of Palm Coast Fire Department Fleet Management Plan for Fire Suppression Equipment



Apparatus Replacement Schedule

Class	Station	Vehicle Type	Identifier	In Service Year	Back-up Year	Replacement Year
F r o n t	21	Pierce Engine	E-21	2007	2018	2037
	22	Rosenbauer	E-22	2014	2024-2029	2044
	23	Pierce Engine	E-23	2011	2022	2035
	24	Pierce Engine	E-24	2007	2020	2037
	25	Kenworth Engine	E-25	2004	2016	2034
B a c k u p	21	Seagrave Engine	E-212	2003	2018	2022
	22	Ward LaFrance	E- 222	1976	1991	2016
	23	Mack Engine	E -232	1984	1999	2020
	24	Mack Engine	E-242	1986	2001	2018
A e r i a l	24	Sutphen Aerial Tower	T-24	2010	N/A	2035
	25	Seagrave Aerial Ladder	L-25	2006	N/A	2031



Challenges

Three engines need to be replaced:

2014-15 budget: \$50,000.00 (down payment)

One (1) new engine per the replacement schedule

- Eng. 232 up for replacement in 2016. (31 years old)

Two engines are no longer mechanically fit for service and in immediate need of replacement:

- Eng 242 is mechanically unfit (29 years old)
- Eng 222 is mechanically unfit (39 years old)



Options

Options to address the reduction in engines immediately removed from service:

- 1-Maintain a reduced fleet for six (6) years until all engines are replaced
- 2-Purchase / lease pre-owned apparatus
- 3-Piggy Back existing new apparatus price
- 4-Bid a new apparatus (to compare piggy back pricing)
- 5-Purchase commercial apparatus
- 6- Any combination of the options



Option #1

Maintain a reduced fleet for six (6) years until all engines are replaced.



1985 / 1998 / 2004 / 2011

Wildfires and Tropical Storms



*Reduced fleet will reduce the backup capability when front line apparatus are having preventative maintenance preformed or are out of service.

*Reduce the availability for Volunteers to respond / backup career crews on incidents.

*Reduce I.S.O grading points by not having a backup for every front line apparatus



Apparatus Replacement Option #2

Purchase/Lease used apparatus:



2009 Sutphen \$255,000.00



2000 Pierce Contender \$80,000.00



2000 Pierce Dash \$85,000.00



2007 KME \$225,000.00



2008 Spartan \$250,000.00

Concern is that we are purchasing someone else's problem



Apparatus Replacement Option # 3

Purchase/Lease New apparatus for the next three years:



“Piggy-Back” St. Johns County Custom Spe : \$425,000



Apparatus Replacement Option #4

Bid the replacement pumper:

This was completed and bids opened on June 30, 2015 with the following results:

Rosenbauer, Lyons South Dakota	\$424,301.00
Hall-Mark Fire Apparatus-Florida	\$444,615.08
Pierce-Appleton Wisconsin	\$445,413.00
Toyne, Iowa	\$465,972.00
KME-Pennsylvania	\$472,921.00



Custom vs. Commercial Chassis...

Custom: Built from the ground up



Commercial: Over the road



Apparatus Replacement Option #5

Purchase 2 Commercial Chassis Engines 2015-16 Budget



1st. Pumper \$238,000.00

2nd. Pumper \$227,184.00

\$465,184.00



Apparatus Replacement Option # 5

Purchase 1 Commercial Chassis Engine 2016-17



\$225,184.00



Apparatus Replacement Option # 5



Rosenbauer Commercial Chassis Pumper:

#1 \$238,000.00 Purchase 2015-16

#2 \$227,184.00 Purchase 2015-16

#3 \$225,184.00 Purchase 2016-17



Budget Concerns...

#1 \$238,000.00 Purchase 2015-16

#2 \$227,184.00 Purchase 2015-16

#3 \$225,184.00 Purchase 2016-17

Total: \$690,368.00

2015 \$ 50,000.00 Budgeted for down payment

2016 \$ 515,000.00 Budgeted in Fleet fund

2017 \$ 125,368.00 Future Budget



Apparatus Replacement

2017-18 Return to replacement schedule and design and purchase a Custom pumper to replace Engine #21, 2007 Pierce pumper

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Apparatus Replacement Recommendation

Replace current needed Engines with Commercial Chassis. Order 3 units as follows;

- * 2015-16 Budget: Purchase 2 Commercial Chassis Engines \$465,184.00
- * 2016-17 Budget: Purchase 1 Commercial Chassis Engine \$225,184.00

Return to replacement plan:

- * 2017-18 Budget: Purchase 1 Custom Engine and return to original replacement schedule



Questions

