City of Palm Coast Fire Rescue Department

Fleet Management Plan for Fire Suppression Equipment

Planning for the Future

History of Apparatus

City Incorporated 1999:

- All County apparatus associated with the Palm Coast Fire Department became the possession of the City
- The department did not have
  - Back up apparatus
  - Volunteer Apparatus

Per the I.S.O rating – 4/9

Apparatus assigned to Station # 21

9 Corporate Drive

Front Line:
Eng. # 21
2007 Pierce pumper
8 years old

Back up:
Eng. # 212
2003 Seagrave pumper

Medic Unit #21 and #22
Confined Space Team and
Apparatus Maintenance Truck
Chevrolet 2007

Apparatus assigned to Station # 22 Clubhouse Drive

Front Line:

Eng #22

2014 Rosenbauer

Back up:

Eng. #222

1976 Ward La France

Apparatus assigned to Station # 23

Belle Terre Parkway - Indian Trails

Front Line:

Eng. 23

2011 Pierce

4 years old years

Back up:

Eng. # 232

1986 Mack pumper

29 years

Apparatus assigned to Station # 24

Palm Harbor Parkway

Front Line:

Eng. # 24

2007 Pierce pumper

8 years

Back up:

1985 Mack #242

30 years

Aerial:

2013 Sutphen Tower- # 2

100’ Platform Tower

2 years

Palm Coast Fire Department
Protecting Our Florida

Apparatus assigned to Station # 25

1250 Belle Terre Parkway – Royal Palms

Front Line:

Eng: # 25

2004 Pierce/Kenworth

11 years

Aerial:

Ladder # 25

2006 Seagrave Quint (100')

9 years

Medic Unit #25

2007 Chevrolet

8 years old

NFPA 1911: Standard for the Inspection, Maintenance, Testing, and Retirement of In-Service Automotive Fire Apparatus

Annex D / Guidelines for First-Line and Reserve Fire Apparatus- D.1 General:

*…. fully **enclosed** riding areas with reduced noise (dBA) levels to keep crew members safe and informed, seats and seat belts for all crew members riding on the apparatus, **fail safe door handles** so the sleeve of a coat does not inadvertently catch a handle and open a door…*

Replacement Schedule

Goals:

- Keep front line apparatus in service for 12-15 years.
- Step down front line apparatus after 15+ years as back-up for additional years when possible.
- Replace apparatus as needed on a two year replacement schedule.

Apparatus Replacement Schedule

Class	Station	Vehicle Type	Identifier	In Service Year	Back-up Year	Replacement Year
Front	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
Backup	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
Aerial	24	Sutphen Aerial Tower	T-24	2010	N/A	2035
	25	Seagrave Aerial Ladder	L-25	2006	N/A	2031

1985 Mack Engine # 232

1986 Mack Engine #242

1976 Ward LaFrance Engine #222

Challenge

Three engines need to be replaced:

- 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:

- Maintain a reduced fleet for four (4) years until all engines are replaced
- Purchase of a pre-owned engines
- Lease new/used engines

Recommendations

- Purchase new engine in 2016 as per replacement schedule

- Solicit proposals for one or two temporary engines for future evaluation

Purchasing Process for New Engine

March 2015

- Update council on engine replacement plan

April 2015

- Complete specifications for replacement engine
- Request for Proposal

June 2015

- Receive proposals by City staff

July 2015

- Award contract for construction of engine

2016

- Receive new engine

Questions