

15. Consideration of appropriating Undesignated Fund Balance funds to purchase equipment to outfit Engine 9 (\$457,692).



LEGISLATIVE MEMORANDUM

TO: Honorable Mayor and Members of the City Council

FROM: Suzanne Sherman, City Manager

THRU: Richard E. Stover, Fire Chief

DATE: July 18, 2024

RE: Consideration of appropriating Undesignated Fund Balance funds to purchase equipment to outfit Engine 9 (\$457,692).

SUMMARY:

Fire Rescue is requesting \$457,692.00 be transferred from Undesignated Fund Balance to the Fire Rescue General Fund Capital account to purchase equipment (Fire and EMS) to outfit Engine 9 for the Station 9 project in the south end of the city close to Sunrise Elementary School. Purchase of the apparatus for Station 9 and initial project funds were approved by City Council at the May 2, 2024 meeting. The estimate for the equipment includes a contingency to cover potential cost inflation for all necessary equipment. Any savings will be returned.

The impact of the continual and future growth of the City of Palm Bay justifies the need for the fire apparatus and equipment. Currently we are experiencing an 18 plus minute response time in this area of the city. Station 9, Engine 9, and other related cost are a new operational need in the city due to the high demand for services. This expansion of current service levels will be strategically located in areas that are currently experiencing growth. This engine and future station 9 will provide a benefit to new developments along with future residents and businesses of the South end. The need for an engine and equipment at the south end is to enhance Palm Bay Fire Rescue capabilities and allow fire suppression & EMS units to have reliable availability for low to high fire risks in the community.

Palm Bay has experienced a 7% growth since January 2023, and with growth being a focus in all parts of the city for the foreseeable future, this growth impacts the services provided by the Fire Department, particularly with incident operations. As Palm Bay continues to be developed, the need increases for stabilized and consistent response deployment methodology to ensure service demands are improved to accommodate efficient and safe operations on an emergency scene.

REQUESTING DEPARTMENTS:

Fire

FISCAL IMPACT:

The total amount requested from undesignated fund balance is \$457,692.00 and will be transferred, upon approval, to Fire Rescue capital and operational accounts on the next scheduled amendment. This estimate includes a contingency to cover potential cost inflation for all necessary equipment. Any savings will be returned.

STAFF RECOMMENDATION:

Motion to approve a budget appropriation of \$457,692.00 utilizing undesignated funds to purchase equipment for Engine 9.

ATTACHMENTS:

1. Equipment List

Item Number	Description	Unit Price	Each	Total
	Hose			
KEY-B10-25Y-50	BIG-10' DJ HOSE 2.5" x 50' YELLOW	\$235.00	5	\$1,175.00
KEY-E10-30W-25	ECO-10 3" x 25' WHITE LIGHTWEIGHT D/J CPLD 2.5"	\$197.12	2	\$394.24
KEY-E10-30W-50	ECO-10 3" x 50' WHITE LIGHTWEIGHT D/J CPLD 2.5"	\$285.00	4	\$1,140.00
KEY-PF-50Y-100	PRO-FLOW' 5" x100' LDH YELLOW W/5" STORZ	\$812.00	12	\$9,744.00
KEY-CR-17O-10	COMBAT READY 1.75" x 10' ORANGE	\$105.11	1	\$105.11
KEY-CR-17O-50	COMBAT READY' 1.75" x 50' ORANGE	\$296.00	3	\$888.00
KEY-CR-17G-10	COMBAT READY 1.75" x 10' GREEN	\$105.11	1	\$105.11
KEY-CR-17G-50	COMBAT READY' 1.75" x 50' GREEN	\$296.00	4	\$1,184.00
KEY-FD-17Y-50	FDNY D/J HOSE, 1.75" x 50', YELLOW	\$206.00	2	\$412.00
	Real ID 2.25 hose	\$315.00	3	\$945.00
KEY-PF-50Y-25	PRO-FLOW' 5" x 25' LDH YELLOW W/5" STORZ	\$524.00	2	\$1,048.00
				\$17,140.46
	Nozzles		0	
2507101 ELKHART B-100-A	2.5 " to 1.5" Wye	\$310.24	2	\$620.48
P/N 228A-25	Elkhart 2 1/2" Inline Presure Guage	\$383.84	1	\$383.84
3779601	ELKHART SM-1000 MASTER STREAM, GPM 300-1000 @ 75 PSI, INLET 2.5FNH, ELK-O-LITE	\$1,135.12	1	\$1,135.12
8297-51	ELKHART STINGER 2.0, 5.0 STZ UPPER & BASE, ELK-O-LITE	\$3,473.68	1	\$3,473.68
8298100	ELKHART 8298P TOP MOUNT ADAPTER 3" FNPT	\$302.40	1	\$302.40
0033XD01	ELKHART XD SHUTOFF WITH PISTOL GRIP, BASE 1.5" FNH, OUTLET 1.5" MNH, WATERWAY 1 ¾", PISTOL GRIP BLACK, BALE BLACK	\$418.88	1	\$418.88
0069XD0F-010100010A	Elkhart XD shut off waterway 1 3/8 inlet 2.5 NH outlet 1.5 NH bale black	\$511.00	2	\$1,022.00
0033XD0F-0301060600	ELKHART XD Shutoff Waterway- 1¾", 04 Outlet- 1.5" MNH, 15/16" Integrated Smooth Bore Discharge, 01 Inlet- 1.5" FNH, 06 Pistol Grip- GREEN, 06 Bale- GREEN	\$464.80	2	\$929.60
0069XD0F-06010003	ELKHART XD Shutoff Waterway- 1¾", 04 Outlet- 1.5" MNH, 1-¼" Smooth Bore Discharge, 01 Inlet- 2.5" FNH, 00 Pistol Grip- No Pistol Grip, 03 Bale- YELLOW	\$530.32	1	\$530.32
04XD0F57-0801020202A	ELKHART Chief XD Nozzle Waterway- 1 ¾", 08 Stem- 125 GPM @ 100 PSI, 1 Inlet- 1.5" FNH, 2 Pistol Grip- RED, 02 Bale- RED, 02 Bumper- RED, A Teeth Selection- Spinning	\$753.76	1	\$753.76
3976301	ELKHART XD MID-RANGE FOAM TUBE	\$303.52	1	\$303.52
66768007	ELKHART 199-XD SMOOTH BORE TIP, 1 ¼" BORE	\$154.00	1	\$154.00
66764007	ELKHART 188-XD SMOOTH BORE TIP, 1" BORE	\$154.00	1	\$154.00
	Elkhart XD smooth Bore Tip 1 1/8 Bore	\$154.00	1	\$154.00
04XD010F-0101060A	ELKHART Chief XD Tip 01-Stem- 150 GPM @ 50 PSI 01 Inlet- 1.5" FNH 06 Bumper- GREEN 0A Teeth Selection- Spinning	\$472.64	2	\$945.28
04XD025F-0401030A	ELKHART Chief XD Tip 04 Stem- 300 GPM @ 75 PSI, 01 Inlet- 1.5" FNH, 03 Bumper- YELLOW, 0A Teeth Selection- Spinning	\$584.45	1	\$584.45
				\$11,865.33
	Adapters			
RED-105	WRENCH ADJUSTABLE HYDRANT	\$82.80	3	\$248.40
RED-148-3	WRENCH HOLDER SET TRIPLE	\$212.25	3	\$636.75
AKR7982	AKRON REVOLUTION INTAKE 5" STORZ x 6" FNST LH	\$2,000.00	2	\$4,000.00
HSSW-401	4) HSSW-101 spanners with holder	\$250.00	3	\$750.00
HHR-2	Hose Roller	\$144.00	1	\$144.00
HBC-50	HARRINGTON Storz blind	\$82.00	2	\$164.00
H200-50-25NH	2-way ball valve 5" Storz lock inlet x (2) 2.5" NH male outlets (LDH Wye)	\$1,005.00	1	\$1,005.00
HSFS50-45NHLH	STORZ ADAPTER 5" STORZ WITH LOCK X 4.5" NH FEMALE SWIVEL LONG	\$228.78	3	\$686.34
H57L-60NH-45NH	Harrington Adapter Female Swivel Long Handl 6" NH Female Long Handle Swivel X 4.5" NH Female Long Handle Swivel	\$396.00	1	\$396.00
HHGV-HD-25NHM-25NH	Harrington Gate valve 2.5" Heavy Duty NH female swivel rocker lug inlet x 2.5" NH male outlet (hydrant gate valve)	\$345.00	2	\$690.00
H37-15NHM-25NH	2.5 female to 1.5 male reducer	\$38.00	2	\$76.00

H35-25NH-25NH	2.5 double female with swivels	\$50.00	2	\$100.00
H36-25NH-25NH	2.5 double male	\$29.00	2	\$58.00
HTBC-15NH	1.5" NH Female cap	\$41.00	2	\$82.00
HTBC-25NH	2.5" NH Female cap	\$100.00	1	\$100.00
	Misc Brackets for mounts	\$10,000.00	1	\$10,000.00
				\$19,136.49
	Entry tools and search			
FHURF-6	6 FT NY ROOF HOOK WITH PRY END	\$132.00	2	\$264.00
APH-8	Firehooks 8' All Purpose Hook	\$135.00	1	\$135.00
APH-10	Firehooks 10' All Purpose Hook	\$182.00	1	\$182.00
MX	Fire Hooks Unlimited Maxxximus 30" Forceible Entry Tool	\$271.00	1	\$271.00
FRH-EKS-12	ELEVATOR KEY SET	\$226.83	1	\$226.83
RTK	R-TOOL COMPLETE W/POUCH	\$250.00	1	\$250.00
FAP-6	Firehooks Pickhead Axe. Fiberglass Handle. 6#	\$72.00	1	\$72.00
LS-8	8 lb flat head axe FIREHOOKS LOCK SLOT 8	\$140.00	1	\$140.00
	pry bar	\$75.00	1	\$75.00
STR90757	Knucklehead Div 2 Spot - IEC Type A (120V) AC/1	\$156.90	5	\$784.50
STE-32900	BIG EASY LOCKOUT TOOLS LIT (CLASSIC)	\$31.00	1	\$31.00
	Flir Camera Kit, K55 320x240 Pixel	\$4,800.00	1	\$4,800.00
T198322ACC	Flir TIC Truck Charger K33, K45, K53, K55, K65	\$900.00	1	\$900.00
	Gas monitor	\$1,700.00	1	\$1,700.00
	Seek pro 300 Thermal imagers	\$1,400.00	5	\$7,000.00
Harbor Freight	Air hose with Chuck	\$150.00	1	\$150.00
Harbor Freight	Rubber Mallet	\$8.00	1	\$8.00
Home Depot	Shovel spade	\$39.00	1	\$39.00
Home Depot	Shovel flat	\$39.00	1	\$39.00
	Street Broom	\$35.00	1	\$35.00
Harbor freight	18' aluminum pipe wrench	\$39.00	1	\$39.00
Harbor frieght	Sledge hammer 10 LBS	\$39.00	1	\$39.00
ISS-82	Irons Straps	\$53.00	1	\$53.00
Home Depot	M18 blower	\$150.00	1	\$150.00
Home depot	M18 Sawzall	\$160.00	1	\$160.00
Home depot	M18 Battery 4 pack 5 AMP hr	\$400.00	1	\$400.00
Home depot	M18 tower light	\$299.00	1	\$299.00
M18 GEN-2 18-Volt	Scene Lights Lithium-Ion Cordless 4000 Lumens	\$199.00	2	\$398.00
Home depot	Water cooler	\$32.00	1	\$32.00
Home depot	Bolt Cutter	\$140.00	1	\$140.00
1193	Aervoe 28" Collapsible Safety Cone Kit, 5-Pack. LED Orange	\$350.00	1	\$350.00
	Traffic wands	\$30.00	2	\$60.00
	Hose and ladder strap	\$90.00	2	\$180.00
	Rope bags	\$600.00	1	\$600.00
	tool box and tools gas can funnel	\$400.00	1	\$400.00
	Hay Bale hooks	\$30.00	2	\$60.00
	sprinkler stop	\$100.00	2	\$200.00
	Binoculars	\$150.00	1	\$150.00
	Hydro Ram	\$4,800.00	1	\$4,800.00
				\$25,612.33
	air packs			
Scott	Air pack	\$8,000.00	6	\$48,000.00
200129-01	Snap Change Cylinder, Carbon Wrapped, Pressure 45000, 45 Minutes	\$1,400.00	10	\$14,000.00
	Air Mask	\$350.00	12	\$4,200.00
	SCBA Regulators	\$1,700.00	6	\$10,200.00
				\$76,400.00
	Extrication lift and stabilaize			
22-890300 22-889050	Air bag set of 5 with controllers	\$11,500.00	1	\$11,500.00
Edraulics	extrication set of tools	\$49,000.00	1	\$49,000.00
	Res Q Jack Products:APX- 2KIT APEX 2 Strut Kit (Short) W ext	\$12,500.00	1	\$12,500.00
				\$73,000.00
	Small Engines			
Husk K12	K12 saw 14 inch blade	\$2,500.00	1	\$2,500.00
Stihl	Chain saw	\$600.00	1	\$600.00
	PPV Fan	\$5,000.00	1	\$5,000.00
Honda 2200	Generator	\$1,400.00	1	\$1,400.00
EXTention cords	Extention cords	\$80.00	2	\$160.00
				\$9,660.00

	Radio			
	Operations Mobile	\$6,875.00	1	\$10,000.00
	Portable XL400	\$9,900.00	5	\$61,546.00
	Portable 6 bay charger	\$667	1	\$667.00
	4 bank vehicle charger	\$975	1	\$975.00
	portable batteries	\$165	6	\$990.00
	Setcom 5 unit	\$6,500.00	1	\$6,500.00
				\$80,678.00
	I.T			
	Smart Phone Unlimited Public Safety	\$492 Annually	1	\$492.00
	Asset Loss Prevention Subscription	\$30 Annually	1	\$30.00
	Mobile VPN Software Subscription	\$125 Annually	1	\$125.00
	Air Card, Unlimited	\$444 Annually	1	\$444.00
	14" Rugged Laptop – MCT	\$2,700	1	\$2,700.00
	11.6" Rugged Laptop w/Swivel Screen - EMS	\$3,500	1	\$3,500.00
	Vehicle Dock, Adapter, ChargeGuard - MCT	\$900	1	\$900.00
	Hand strap/Kickstand for Laptop	\$200	1	\$200.00
	Gtech charger	\$100	1	\$100.00
	I pad	\$1,000	1	\$1,000.00
	archiving subscription	\$175	1	\$175.00
				\$9,666.00
	Ext			
	2.5 Gallon Water Fire Extinguisher with Schrader Valve	\$260	1	\$260.00
	K Class Fire Extinguisher New	\$225	1	\$225.00
	20#ABC Fire Extinguisher New	\$290	1	\$290.00
				\$775.00
				Total
				\$323,933.61

Hose	\$17,140.46
Nozzles	\$11,865.33
Adapters and valves	\$19,136
Entry tools and search	\$25,612.33
Air paks	\$76,400.00
Extrication	\$73,000.00
Small Engines	\$9,660.00
Radio	\$80,678.00
IT Costs	\$9,666.00
Extinuishers	\$775.00
Base cost Fire Equipment	\$ 323,933.61
10% COL	\$ 32,393.36
Fire Equipment	\$ 356,326.97
EMS Equipment	
Life pack 35	\$ 65,000.00
Lucas	\$ 23,000.00
VL	\$ 1,650.00
Various medical Equipment	\$ 2,500.00
10% COL	\$ 9,215.00
	\$ 101,365.00
Total	\$ 457,691.97