

TOWN OF HIGHLAND BEACH FIRE RESCUE NPV PROJECT COST ESTIMATE

5%

Line No	FY	Year	Investment cost of Project	Estimated net annual benefits	Discount Factor	PV of Benefits	
1		0	\$ 10,000,000				
2	2024	1	Caring cost of Delray Contract + HB Labor not included				
3	2025	2		\$ 2,193,464	0.9070	\$ 1,989,537	7 years
4	2026	3		\$ 2,473,799	0.8638	\$ 2,136,961	
5	2027	4		\$ 1,686,915	0.8227	\$ 1,387,829	
6	2028	5		\$ 1,836,500	0.7835	\$ 1,438,946	
7	2029	6		\$ 1,985,672	0.7462	\$ 1,481,739	
8	2030	7		\$ 2,221,917	0.7107	\$ 1,579,075	
9		Total	\$ 10,000,000	\$ 12,398,267		\$ 10,014,086	
10		NPV =	\$ 10,014,086	- \$ 10,000,000	=	\$ 14,086	

Line No	Year	Delray Contract	\$Δ	%Δ
11	2019	\$ 4,223,795		
12	2020	\$ 4,439,684	\$ 215,889	5%
13	2021	\$ 4,657,148	\$ 217,464	5%
14	2022	\$ 5,149,096	\$ 491,948	11%
15	2023	\$ 5,353,068	\$ 203,972	4%
16			Avg:	6.1%
17			+ Inflation Est:	1.00%

					Budget Forecast [1]	EMS Transport Fees [2]	Estimated net annual benefits
		[3][4][5]					
18	2024	\$ 7,284,930	\$ 1,931,862	36%	\$ 8,487,381	\$ 85,000	\$ (1,117,451)
19	2025	\$ 8,204,601	\$ 919,671	13%	\$ 6,098,687	\$ 87,550	\$ 2,193,464
20	2026	\$ 8,789,877	\$ 585,276	7%	\$ 6,481,078	\$ 165,000	\$ 2,473,799
21	2027	\$ 9,416,904	\$ 627,027	7%	\$ 7,899,940	\$ 169,950	\$ 1,686,915
22	2028	\$ 10,088,660	\$ 671,756	7%	\$ 8,427,209	\$ 175,049	\$ 1,836,500
23	2029	\$ 10,808,336	\$ 719,676	7%	\$ 9,002,964	\$ 180,300	\$ 1,985,672
24	2030	\$ 11,579,350	\$ 771,014	7%	\$ 9,543,142	\$ 185,709	\$ 2,221,917

[1] Assumed 6% growth in Budgeted forecast expenditures after year 1

[2] Assumed 3% increase in EMS Transport Fees

[3] Delray contract increased by estimated \$600K for additional positions in new contract in 2024

[4] Add \$400K in 2025 for assumed additional pension cost

[5] Estimated \$950K for additional positions

	Category	Estimate	
25	Architects	\$ 310,109	
26	Kaufman Lynn	8,593,570	
27	Equipment/Other	2,596,321	
28		\$ 11,500,000	(\$10 Million Ad Valorem limit plus \$1.5M Grant Funds)
29		(1,500,000)	
30		\$ 10,000,000	