

FIRE FACILITIES ASSUMPTIONS Updated 2016

Existing Building Size	12,750	sq.ft.
Future Substations - 1 per 12,000 Future Population	1	
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Fire - Construction Cost / Sq.Ft.	\$243.00	per Sq.Ft.
Eng. & Design Cost / Sq.Ft. @10%	\$24.30	per Sq.Ft.
Furnishing Cost	\$30.00	per Sq.Ft.
TOTAL	\$297.30	per Sq.Ft.

Impact Fee - Single Family Residential	\$282.67	per DU
Impact Fee - Multiple Family Residential	\$106.31	per DU
Impact Fee - Nonresidential	\$91.69	per 1,000 Sq.Ft.

Substation Cost		
Future Building Demand =	9,000	Sq.Ft.
Cost per Sq.Ft. =	\$297	per Sq.Ft.
Building Cost =	\$2,675,700	

Land Acquisition =	0.98	
Land Acquisition Cost per Acre =	\$50,000	
Land Acquisition Cost =	\$49,193	

Emergency Services Apparatus =	\$490,000	\$2,724,893
Other Funding per Substation =	\$ (500,000)	\$3,214,893
Each Substation Cost =	\$2,714,893	

Emergency Services Apparatus		Cost
1	Pumper =	\$490,000
0	Water Tender =	\$0
0	Ladder Truck =	\$0
0	Rescue Squad =	\$0
		\$490,000

Total Future Substations Cost	\$2,714,893
Other Improvements =	\$180,000
Total Future Facility Cost =	\$2,894,893
Total Future Cost W/O Other Funding =	\$3,394,893

Other Improvements	
Training Tower	\$180,000
Building Renovation	\$0
	\$180,000

Calls to Fire Department - Year 2002	Calls	Existing Units or Sq.Ft.
Single Family	41.00	1,918
Multiple Family	31.00	3,856
Commercial/Industrial	26.81	3,866,600

Calls per Unit or 1,000 Sq.Ft.
0.021376434 per Single Family Unit
0.008039419 per Multiple Family Unit
0.00693374 per 1,000 Nonresidential Sq.Ft.