

## **VI Fire Protection and Rescue Impact Fees**

The rapid growth of the County has resulted in equally rapid growth in the need for fire protection and emergency rescue service. Palm Beach County provides fire and rescue service through a Municipal Services Taxing Unit (MSTU). This taxing district provides service to the unincorporated area and to those incorporated areas that have elected to receive these services. Areas not served by the County fire-rescue system receive such services from a municipal system or some other system. Impact fees are being considered only for this MSTU.

Table 17 sets out the fire/rescue parameters used and Table 18 shows the calls for fire & rescue service by land use type. Table 19 shows fire & rescue capital costs by land use type. The calls for service by land use type allocate all calls to structures, i.e., developed properties. This is done first by allocating calls from no specific structure, most commonly from streets, to structures based upon the percentage of all calls emanating from structures. The second allocation is of the institutional population. The institutional population is residents away from their homes. The most institutional calls come from places of public assembly, schools, and health care facilities. These calls are allocated to residences based upon the percentage of all residential calls coming from the particular type of residence. The net allocated calls per unit are shown in Table 18.

TABLE 17  
**FIRE/RESCUE PARAMETERS**  
**PALM BEACH COUNTY**

<b>STANDARD:</b>	
Response Time of	7.5 Minutes
<b>CAPITAL INVESTMENTS:</b>	
Fleet	\$57,012,612
Facilities	\$150,400,000
Radio Equipment	\$4,336,332
Computer Equipment	\$5,117,059
Video Equipment	\$609,414
Training Equipment	\$502,454
Office Furniture/Equipment	\$1,880,015
Fire/Rescue Capital Investments	\$219,857,886
Total Calls for Service	91,606
Total Capital Cost Per Call	\$2,400.04

SOURCE: Palm Beach County Fire Rescue, December 2, 2008.

NOTE: Capital cost per call is used to establish the Fire/Rescue impact fee.

TABLE 18  
**FIRE/RESCUE CALLS FOR SERVICE**  
**PALM BEACH COUNTY**

<b>FIRE/RESCUE CALLS PER UNIT:</b>	<b>CALLS PER UNIT</b>
<b>LAND USE</b>	
Single Family Detached	0.3810
Single Family Attached	0.3810
Multi-Family	0.1560
Mobile Home	0.1560
Hotel/Motel per Room	0.6044
Retail per 1,000 FT <sup>2</sup>	0.1467
Office per 1,000 FT <sup>2</sup>	0.0874
Storage per 1,000 FT <sup>2</sup>	0.0310
Industry per 1,000 FT <sup>2</sup>	0.1110
Institutional per 1,000 FT <sup>2</sup> *	0.0000

SOURCE: Palm Beach County Fire Department, "Palm Beach County Fire-Rescue Call Load," Dec 2, 2008.

NOTE: Institutional land uses are excluded because they are emergency service providers.

In Table 19, the cost of fire/rescue protection is determined based upon the expected calls for service per unit per year. These call generation rates are based

upon a statistical review of fire/rescue calls and are set out in "Palm Beach County Fire-Rescue Call Load," for fiscal year 2005-06.

The formula for calculating the fire/rescue impact fee is:

$$\text{COST PER UNIT} = \text{CAPITAL COST PER CALL} \times \text{CALLS PER UNIT}$$

$$\text{CREDITS} = 0 \times \text{COST PER UNIT} + \$0.00 \times \text{FUNCTIONAL POPULATION PER UNIT}$$

$$\text{NET COST} = \text{COST PER UNIT} - \text{CREDITS.}$$

There are no proposed credits for past or future payments toward fire protection and rescue capital costs. There are no credits for future payments because there is no outstanding debt for fire & rescue and thus no expected payments. There is no past credit because vacant land is a frequent location for fires, so-called brush fires, thus vacant land places demands on the fire protection services and benefits from the provision of those services.

TABLE 19  
**FIRE PROTECTION NEEDS AND COSTS BY LAND USE TYPE**  
**PALM BEACH COUNTY**

LAND USE TYPE (UNIT)	CALLS FOR SERVICE	COST PER UNIT	CREDITS	NET COST
<b>RESIDENTIAL UNITS BY TYPE:</b>				
Single Family Detached	0.3810	\$914.41	\$0.00	\$914.41
Single Family Attached	0.3810	\$914.41	\$0.00	\$914.41
Multi-Family	0.1560	\$374.52	\$0.00	\$374.52
Mobile Home	0.1560	\$374.52	\$0.00	\$374.52
Hotel/Motel Per Room	0.6044	\$1,450.51	\$0.00	\$1,450.51
<b>NON-RESIDENTIAL:</b>				
DRIVE-IN BANK PER 1,000 FT <sup>2</sup>	0.0874	\$209.75	\$0.00	\$209.75
MINI-WAREHOUSE PER 1,000 FT <sup>2</sup>	0.0874	\$209.75	\$0.00	\$209.75
Movie Theater Per 1,000 FT <sup>2</sup>	0.0874	\$209.75	\$0.00	\$209.75
Racquet Club Per 1,000 FT <sup>2</sup>	0.0874	\$209.75	\$0.00	\$209.75
Place of Worship per 1,000 FT <sup>2</sup>	0.0874	\$209.75	\$0.00	\$209.75
Day Care Center Per 1,000 FT <sup>2</sup>	0.0874	\$209.75	\$0.00	\$209.75
Quality Restaurant Per 1,000 FT <sup>2</sup>	0.1467	\$352.18	\$0.00	\$352.18
High Turnover Sit-Down Rest. Per 1,000 Ft	0.1467	\$352.18	\$0.00	\$352.18
New Car Sales Per 1,000 FT <sup>2</sup>	0.1467	\$352.18	\$0.00	\$352.18
Office Per 1,000 FT <sup>2</sup> :				
50,000 FT <sup>2</sup> & Under	0.0874	\$209.75	\$0.00	\$209.75
50,001 - 99,999FT <sup>2</sup>	0.0874	\$209.75	\$0.00	\$209.75
100,000 - 149,999FT <sup>2</sup>	0.0874	\$209.75	\$0.00	\$209.75
150,000 - 199,999FT <sup>2</sup>	0.0874	\$209.75	\$0.00	\$209.75
200,000 - 399,999FT <sup>2</sup>	0.0874	\$209.75	\$0.00	\$209.75
400,000 - 499,999FT <sup>2</sup>	0.0874	\$209.75	\$0.00	\$209.75
500,000 - 599,999FT <sup>2</sup>	0.0874	\$209.75	\$0.00	\$209.75
600,000 - 699,999FT <sup>2</sup>	0.0874	\$209.75	\$0.00	\$209.75
700,000 - 799,999FT <sup>2</sup>	0.0874	\$209.75	\$0.00	\$209.75
800,000 FT <sup>2</sup> or more	0.0874	\$209.75	\$0.00	\$209.75
Medical Buildings:				
Medical Offices Per 1,000 FT <sup>2</sup>	0.0874	\$209.75	\$0.00	\$209.75
Hospitals Per 1,000 FT <sup>2</sup>	0.0874	\$209.75	\$0.00	\$209.75
Nursing Home Per 1,000 FT <sup>2</sup>	0.1560	\$374.52	\$0.00	\$374.52
Industrial Buildings:				
Gen. Industrial Per 1,000 FT <sup>2</sup>	0.1110	\$266.40	\$0.00	\$266.40
Warehousing Per 1,000 FT <sup>2</sup>	0.0310	\$74.34	\$0.00	\$74.34
GENERAL COMMERCIAL RETAIL PER 1,000 FT <sup>2</sup> :				
50,000 FT <sup>2</sup> or Less	0.1467	\$352.18	\$0.00	\$352.18
50,001 - 99,999 FT <sup>2</sup>	0.1467	\$352.18	\$0.00	\$352.18
100,000 - 199,999 FT <sup>2</sup>	0.1467	\$352.18	\$0.00	\$352.18
200,000 - 299,999 FT <sup>2</sup>	0.1467	\$352.18	\$0.00	\$352.18
300,000 - 399,999 FT <sup>2</sup>	0.1467	\$352.18	\$0.00	\$352.18

LAND USE TYPE (UNIT)	CALLS FOR SERVICE	COST PER UNIT	CREDITS	NET COST
400,000 - 499,999 FT <sup>2</sup>	0.1467	\$352.18	\$0.00	\$352.18
500,000 - 599,999 FT <sup>2</sup>	0.1467	\$352.18	\$0.00	\$352.18
600,000 - 699,999 FT <sup>2</sup>	0.1467	\$352.18	\$0.00	\$352.18
700,000 - 999,999 FT <sup>2</sup>	0.1467	\$352.18	\$0.00	\$352.18
1,000,000 - 1,199,999 FT <sup>2</sup>	0.1467	\$352.18	\$0.00	\$352.18
1,200,000 - 1,399,999 FT <sup>2</sup>	0.1467	\$352.18	\$0.00	\$352.18
1,400,000 - 1,599,999 FT <sup>2</sup>	0.1467	\$352.18	\$0.00	\$352.18
1,600,000 FT <sup>2</sup> or more	0.1467	\$352.18	\$0.00	\$352.18
Pharmacy With Drive Thru	0.1467	\$352.18	\$0.00	\$352.18
Fast Food Restaurant	0.1467	\$352.18	\$0.00	\$352.18
Gas Station Per Fueling Strn.	0.1467	\$352.18	\$0.00	\$352.18
Convenience Retail	0.1467	\$352.18	\$0.00	\$352.18
Automotive Repair Shop	0.1467	\$352.18	\$0.00	\$352.18
Car Wash per Bay	0.1467	\$352.18	\$0.00	\$352.18
Carpet Store	0.1467	\$352.18	\$0.00	\$352.18
Cemetery per Acre	0.0310	\$74.34	\$0.00	\$74.34
Funeral Home	0.0874	\$209.75	\$0.00	\$209.75
Furniture Store	0.1467	\$352.18	\$0.00	\$352.18
General Recreation	0.1467	\$352.18	\$0.00	\$352.18
Oil and Lube Shop per Bay	0.1467	\$352.18	\$0.00	\$352.18
Veterinary Clinic	0.0874	\$209.75	\$0.00	\$209.75

#### Changes

	Revised	Existing	% Change
<b>RESIDENTIAL UNITS BY TYPE:</b>			
Single Family Detached	\$914.41	\$556.26	64.39%
Single Family Attached	\$914.41	\$556.26	64.39%
Multi-Family	\$374.52	\$261.49	43.23%
Mobile Home	\$374.52	\$261.49	43.23%
Hotel/Motel Per Room	\$1,450.51	\$1,004.88	44.35%
<b>NON-RESIDENTIAL:</b>			
Drive-in Bank Per 1,000 FT <sup>2</sup>	\$209.75	\$158.46	32.37%
Mini-Warehouse Per 1,000 FT <sup>2</sup>	\$209.75	\$158.46	32.37%
Movie Theater Per 1,000 FT <sup>2</sup>	\$209.75	\$158.46	32.37%
Racquet Club Per 1,000 FT <sup>2</sup>	\$209.75	\$158.46	32.37%
Place of Worship per 1,000 FT <sup>2</sup>	\$209.75	\$158.46	32.37%
Day Care Center Per 1,000 FT <sup>2</sup>	\$209.75	\$158.46	32.37%
Quality Restaurant Per 1,000 FT <sup>2</sup>	\$352.18	\$238.16	47.88%
High Turnover Sit-Down Rest. Per 1,000 Ft	\$352.18	\$238.16	47.88%
New Car Sales Per 1,000 FT <sup>2</sup>	\$352.18	\$238.16	47.88%
<b>OFFICE PER 1,000 FT<sup>2</sup> :</b>			
50,000 FT <sup>2</sup> & Under	\$209.75	\$158.46	32.37%