City of Venice, FL
FY 17-18 Fire Rescue Assessment
Preliminary Assessment Assumptions, Calculations and Cost Projections

Workbook Date: 3/16/2017

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Venice, FL City on the Gulf

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Personnel Services	Projected FY 2018	Projected FY 2019	Projected FY 2020	Projected FY 2021	Projected FY 2022	Cost Escalation Factor [1]
522.12-00 - Regular Salaries & Wages	$ 3,149,745	$ 3,284,390	$ 3,365,322	$ 3,436,867	$ 3,393,393	N/A
522.21-00 - FICA	$ 240,956	$ 251,256	$ 257,447	$ 262,920	$ 259,595	N/A
522.22-00 - Retirement Contributions	$ 2,659,004	$ 2,719,478	$ 2,829,322	$ 2,897,385	$ 2,811,076	N/A
522.14-00 - Overtime	$ 126,531	$ 131,940	$ 135,192	$ 138,066	$ 136,319	N/A
522.15-00 - Special Pay	$ 142,743	$ 148,845	$ 152,513	$ 155,755	$ 153,785	N/A
522.23-00 - Life And Health Insurance	$ 806,945	$ 841,440	$ 862,174	$ 880,504	$ 869,366	N/A
522.24-00 - Workers' Compensation	$ 142,365	$ 148,451	$ 152,109	$ 155,343	$ 153,378	N/A
Subtotal Personnel Services	**$ 7,268,290**	**$ 7,525,800**	**$ 7,754,079**	**$ 7,926,839**	**$ 7,776,911**	
Operations & Maintenance Expenses						
522.31-00 - Professional Services	$ 59,290	$ 60,654	$ 62,049	$ 63,476	$ 64,936	2.2%
522.31-04 - Professional Services / Grants	$ 588	$ 602	$ 615	$ 630	$ 644	2.2%
522.34-00 - Other Contractual Service	$ 22,290	$ 22,803	$ 23,327	$ 23,864	$ 24,413	2.2%
522.40-00 - Travel And Training	$ 20,400	$ 20,869	$ 21,349	$ 21,840	$ 22,343	2.2%
522.41-00 - Communication Services	$ 12,600	$ 12,890	$ 13,186	$ 13,490	$ 13,800	2.2%
522.43-00 - Utility Services	$ 52,000	$ 53,196	$ 54,420	$ 55,671	$ 56,952	2.2%
522.44-00 - Rentals And Leases	$ 2,600	$ 2,660	$ 2,721	$ 2,784	$ 2,848	2.2%
522.46-00 - Repair & Maintenance Svcs	$ 50,000	$ 51,150	$ 52,326	$ 53,530	$ 54,761	2.2%
522.46-37 - Repair & Maint / Fleet Maint- Labor	$ 48,600	$ 49,718	$ 50,861	$ 52,031	$ 53,228	2.2%
522.46-38 - Repair & Maint / Fleet Maint- Parts	$ 20,500	$ 20,972	$ 21,454	$ 21,947	$ 22,452	2.2%
522.46-39 - Repair & Maint / Fleet Maint- Other	$ 50,200	$ 51,355	$ 52,536	$ 53,744	$ 54,980	2.2%
522.48-00 - Promotional Activities	$ 2,300	$ 2,353	$ 2,407	$ 2,462	$ 2,519	2.2%
522.51-00 - Office Supplies	$ 16,700	$ 17,084	$ 17,477	$ 17,879	$ 18,290	2.2%
522.52-00 - Operating Supplies	$ 88,950	$ 90,996	$ 93,089	$ 95,230	$ 97,420	2.2%
522.52-04 - Operating Supplies / Grants	$ 2,139	$ 2,188	$ 2,239	$ 2,290	$ 2,343	2.2%
522.52-08 - Operating Supplies / Grants	$ 2,000	$ 2,046	$ 2,093	$ 2,141	$ 2,190	2.2%
522.52-35 - Operating Supplies / Gasoline	$ 39,500	$ 40,409	$ 41,338	$ 42,289	$ 43,261	2.2%
522.54-00 - Books, Pubs, Subs, Memberships	$ 6,988	$ 7,149	$ 7,313	$ 7,481	$ 7,653	2.2%
Subtotal Operations & Maintenance Expenses	**$ 497,645**	**$ 509,091**	**$ 520,800**	**$ 532,778**	**$ 545,032**	
Non-Recurring O&M Expense						
Replace 21 Sets of Bunker Gear	$ 52,500	$ -	$ 55,319	$ -	$ -	N/A
Temporary Housing for Station 1 Rebuild	$ 75,000	$ -	$ -	$ -	$ -	N/A
Replace MDT Computer	$ -	$ 36,954	$ -	$ -	$ -	N/A
Replace 22 AED's	$ -	$ -	$ 57,954	$ -	$ -	N/A
Replace All Station Recliners	$ -	$ -	$ -	$ 11,898	$ -	N/A
Replace Station Mattresses	$ -	$ -	$ -	$ -	$ 11,103	N/A
Total Capital Outlay	**$ 127,500**	**$ 36,954**	**$ 113,273**	**$ 11,898**	**$ 11,103**	
TOTAL FIRE RESCUE EXPENSES	**$ 7,893,435**	**$ 8,071,845**	**$ 8,388,152**	**$ 8,471,516**	**$ 8,333,046**	

[1] Personnel services costs were projected in accordance with internal calculations provided by Staff in the file titled "Draft VFD - PP Salary Plan 10 year Schedule as of 030917". All other costs were escalated by applying the projection for General Inflation provided by the Congressional Budget Office.

Project Description	Funding	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Replace Fire Apparatus	Cash Funded	$ 554,359	$ 573,762	$ -	$ 614,628	$ -
Replace 800 mhz Radios	Cash Funded	$ 293,000	$ -	$ -	$ -	$ -
Station 2 Remodel	Cash Funded	$ 60,000	$ -	$ -	$ -	$ -
Station 3 Remodel	Cash Funded	$ 60,000	$ -	$ -	$ -	$ -
Replace Fire Command Vehicle	Cash Funded	$ 37,493	$ -	$ -	$ 41,569	$ -
Replace Fire Inspector Vehicle	Cash Funded	$ 25,363	$ -	$ -	$ -	$ -
Replace Fire Command Equipment	Cash Funded	$ 9,000	$ -	$ -	$ 9,000	$ -
Demolish and Rebuild Station 1	Long Term Borrowing	$ 2,500,000	$ 2,500,000	$ -	$ -	$ -
Replace Marine Fire Pump	Cash Funded	$ -	$ 17,000	$ -	$ -	$ -
Replace SCBA Equipment	Cash Funded	$ -	$ -	$ 257,000	$ -	$ -
Replace 5 Thermal Imaging Cameras	Cash Funded	$ -	$ -	$ 42,000	$ -	$ -
Replace 6 AC Units at Station 3	Cash Funded	$ -	$ -	$ 42,000	$ -	$ -
Replace Cascade Filling Station	Cash Funded	$ -	$ -	$ 54,000	$ -	$ -
Replace Support Services Vehicle	Cash Funded	$ -	$ -	$ 57,376	$ -	$ -
Replace Marine Electronics	Cash Funded	$ -	$ -	$ 25,000	$ -	$ -
Replace 3 Ice Machines	Cash Funded	$ -	$ -	$ -	$ -	$ 15,000
Total Capital Projects		**$ 3,539,215**	**$ 3,090,762**	**$ 477,376**	**$ 665,197**	**$ 15,000**

Fleet Replacement Program	Funding	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
EMERGENCY RESPONSE UNITS						
Pierce - Velocity Aerial	Cash Funded	$ 101,273	$ 101,273	$ 101,273	$ 101,273	$ 101,273
Pierce Saber	Cash Funded	$ -	$ 61,916	$ 61,916	$ 61,916	$ 61,916
Pierce Contender	Cash Funded	$ 57,756	$ 57,756	$ 57,756	$ 57,756	$ 57,756
Pierce Contender	Cash Funded	$ 38,251	$ 38,251	$ 64,083	$ 64,083	$ 64,083
Pierce Contender	Cash Funded	$ 40,975	$ 40,975	$ 40,975	$ 40,975	$ 68,648
Ford F-350 P/U	Cash Funded	$ 3,825	$ 3,825	$ 3,825	$ 6,408	$ 6,408
Boston Whaler *	Cash Funded	$ 22,836	$ 22,836	$ 22,836	$ 22,836	$ 22,836
ADMIN UNITS						
Chevy Tahoe	Cash Funded	$ 5,356	$ 6,814	$ 6,814	$ 6,814	$ 6,814
Ford Explorer	Cash Funded	$ 3,817	$ 3,817	$ 3,817	$ 3,817	$ 3,817
Chevy Tahoe	Cash Funded	$ 5,938	$ 5,938	$ 5,938	$ 5,938	$ 5,864
Ford F-150	Cash Funded	$ 2,536	$ -	$ -	$ -	$ -
Prius	Cash Funded	$ -	$ 3,578	$ 3,578	$ 3,578	$ 3,578
Prius	Cash Funded	$ 3,578	$ 3,578	$ 3,578	$ 3,578	$ 3,578
Kawasaki Mule	Cash Funded	$ 1,467	$ 1,467	$ 1,467	$ 1,467	$ 1,467
Total Fleet Replacement Program		**$ 289,151**	**$ 353,567**	**$ 379,400**	**$ 381,983**	**$ 409,581**

Total Fire CIP by Funding Type		FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Cash Funded	Cash Funded	$ 1,328,366	$ 944,329	$ 856,776	$ 1,047,180	$ 424,581
Long Term Borrowing	Long Term Borrowing	$ 2,500,000	$ 2,500,000	$ -	$ -	$ -
Total Fier CIP by Funding Type		**$ 3,828,366**	**$ 3,444,329**	**$ 856,776**	**$ 1,047,180**	**$ 424,581**

Fire CIP Cash Flows (Capital Outlay)		FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Cash Funded	Cash Funded	$ 1,328,366	$ 944,329	$ 856,776	$ 1,047,180	$ 424,581
Long Term Borrowing	Long Term Debt Service	$ 192,190	$ 384,381	$ 384,381	$ 384,381	$ 384,381
Total Fire CIP Funding		**$ 1,520,556**	**$ 1,328,710**	**$ 1,241,156**	**$ 1,431,561**	**$ 808,961**

5-Year Average Annual Capital Outlay:	**$ 1,266,189**

(1) For the capital items identified to be funded through means of long-term borrowing, an interest rate of 4.5% and term of 20 years was assumed. Short-term borrowing was assumed to have a term of 10 years with an interest rate of 3%.

Schedule 3 - Projection of Net Revenue Requirement

Fire Expenditures by Category		FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Personnel Services		$ 7,268,290	$ 7,525,800	$ 7,754,079	$ 7,926,839	$ 7,776,911
Operating Costs		$ 497,645	$ 509,091	$ 520,800	$ 532,778	$ 545,032
Non-Annual O&M		$ 127,500	$ 36,954	$ 113,273	$ 11,898	$ 11,103
5-Year Average Annual Capital Costs		$ 1,266,189	$ 1,266,189	$ 1,266,189	$ 1,266,189	$ 1,266,189
Total Fire Expenditures		$ 9,159,624	$ 9,338,034	$ 9,654,341	$ 9,737,704	$ 9,599,235
Plus: Assessment Costs - Allowance for Early Payment	(1)	$ 374,000	$ 382,000	$ 391,000	$ 399,000	$ 408,000
Plus: Assessment Costs - County Property Appraiser	(2)	$ 187,000	$ 191,000	$ 195,000	$ 200,000	$ 204,000
Plus: Assessment Costs - Tax Collector	(3)	$ 187,000	$ 191,000	$ 195,000	$ 200,000	$ 204,000
Plus: Assessment Notice Mailing Costs	(4)	$ 11,000	$ -	$ -	$ -	$ -
Net Revenue Requirement for Assessment		$ 9,918,624	$ 10,102,034	$ 10,435,341	$ 10,536,704	$ 10,415,235
Less: Fire Casualty Insurance Premium - Revenues		$ (272,353)	$ (272,353)	$ (272,353)	$ (272,353)	$ (272,353)
Less: Firefighters' Incentive - Revenues		$ (8,787)	$ (8,787)	$ (8,787)	$ (8,787)	$ (8,787)
Less: Fire Inspection Fees		$ (30,000)	$ (30,000)	$ (30,000)	$ (30,000)	$ (30,000)
Adjusted Net Revenue Requirement for Assessment		$ 9,607,484	$ 9,790,894	$ 10,124,201	$ 10,225,564	$ 10,104,095

(1) - Estimated at 4% of Net Revenue Requirement, rounded
(2) - Estimated at 2% of Net Revenue Requirement, rounded
(3) - Estimated at 2% of Net Revenue Requirement, rounded
(4) - Assessment Notice Mailing Costs are only imposed in the first year of the new Assessment Program. Estimated at $0.75 per billed parcel.

Schedule 4 - Preliminary FY 2018 Fire Assessment Rate Calculation

Availiability Methodology

Property Category	% Allocation	$ Allocation of FY2018 NRR	Allocated Units	Unit Type [1]	Assessment per Unit
Tier 1	34.5%	$3,314,582	16,094	per Parcel	$205.95
Tier 2	65.5%	$6,292,902	627,840	Structure Value EBU	$10.02
Total	100.0%	**$9,607,484**			

Rate and Net Revenue Calculation @ 25% Cost Recovery Increments

		100%		75%		50%		25%
Allocated Costs	$	9,607,484	$	7,205,613	$	4,803,742	$	2,401,871
Less: Shortfall for Exemptions	$	(256,000)	$	(192,000)	$	(128,000)	$	(64,000)
Net Billed Revenues	**$**	**9,351,500**	**$**	**7,013,600**	**$**	**4,675,700**	**$**	**2,337,900**
Less - Allowance for Early Payment [2]	$	(374,060)	$	(280,544)	$	(187,028)	$	(93,516)
Less - County Property Appraiser Expense [3]	$	(187,030)	$	(140,272)	$	(93,514)	$	(46,758)
Less - Tax Collector Expense [4]	$	(187,030)	$	(140,272)	$	(93,514)	$	(46,758)
Less: Assessment Notice Mailing Costs [5]	$	(11,000)	$	(11,000)	$	(11,000)	$	(11,000)
Estimated Net Collected Revenues	**$**	**8,592,000**	**$**	**6,442,000**	**$**	**4,291,000**	**$**	**2,140,000**
Tier 1 Rate per Parcel	$	205.95	$	154.46	$	102.98	$	51.49
Tier 2 Rate per Parcel	$	10.02	$	7.52	$	5.01	$	2.51
Example with $175,000 of Structure Value:	**$**	**556.65**	**$**	**417.66**	**$**	**278.33**	**$**	**139.34**

Note: All figures except allocated costs are rounded to the nearest thousand dollars

(1) - Structre Value EBU (Equivalent Benefit Unit) is represented as every $5,000 of structure value

(2) - Estimated at 4% of Net Revenue Requirement, rounded

(3) - Estimated at 2% of Net Revenue Requirement, rounded

(4) - Estimated at 2% of Net Revenue Requirement, rounded

(5) - Assessment Notice Mailing Costs are only imposed in the first year of the new Assessment Program. Estimated at $0.75 per billed parcel.

Schedule 5 - Preliminary FY 2018 Fire Assessment Rate Calculation — Calls for Service Methodology

Property Category	$ Allocation of FY2018 NRR	Allocated Units	Unit Type	Assessment per Unit
Residential	$5,005,310	17,217	Dwelling Unit	$290.72
Commercial	$2,372,438	5,457,688	Sq Ft	$0.43
Government/Institutional	$2,229,735	2,032,415	Sq Ft	$1.10
Total	**$9,607,484**			

Rate and Net Revenue Calculation @ 25% Cost Recovery Increments

		100%		75%		50%		25%
Allocated Costs	$	9,607,484	$	7,205,613	$	4,803,742	$	2,401,871
Less: Shortfall for Exemptions	$	(665,000)	$	(499,000)	$	(333,000)	$	(166,000)
Net Billed Revenues	**$**	**8,942,500**	**$**	**6,706,600**	**$**	**4,470,700**	**$**	**2,235,900**
Less - Allowance for Early Payment (1)	$	(357,700)	$	(268,264)	$	(178,828)	$	(89,436)
Less - County Property Appraiser Expense (2)	$	(178,850)	$	(134,132)	$	(89,414)	$	(44,718)
Less - Tax Collector Expense (3)	$	(178,850)	$	(134,132)	$	(89,414)	$	(44,718)
Less: Assessment Notice Mailing Costs (4)	$	(11,000)	$	(11,000)	$	(11,000)	$	(11,000)
Estimated Net Collected Revenues	**$**	**8,216,000**	**$**	**6,159,000**	**$**	**4,102,000**	**$**	**2,046,000**
Residential Rate per Dwelling Unit	$	290.72	$	218.04	$	145.36	$	72.68
Commercial rate per Square Foot	$	0.43	$	0.33	$	0.22	$	0.11
Government/Institutional rate per Square Foot	$	1.10	$	0.82	$	0.55	$	0.27

Note: All figures except allocated costs are rounded to the nearest thousand dollars
(1) - Estimated at 4% of Net Revenue Requirement, rounded
(2) - Estimated at 2% of Net Revenue Requirement, rounded
(3) - Estimated at 2% of Net Revenue Requirement, rounded
(4) - Assessment Notice Mailing Costs are only imposed in the first year of the new Assessment Program. Estimated at

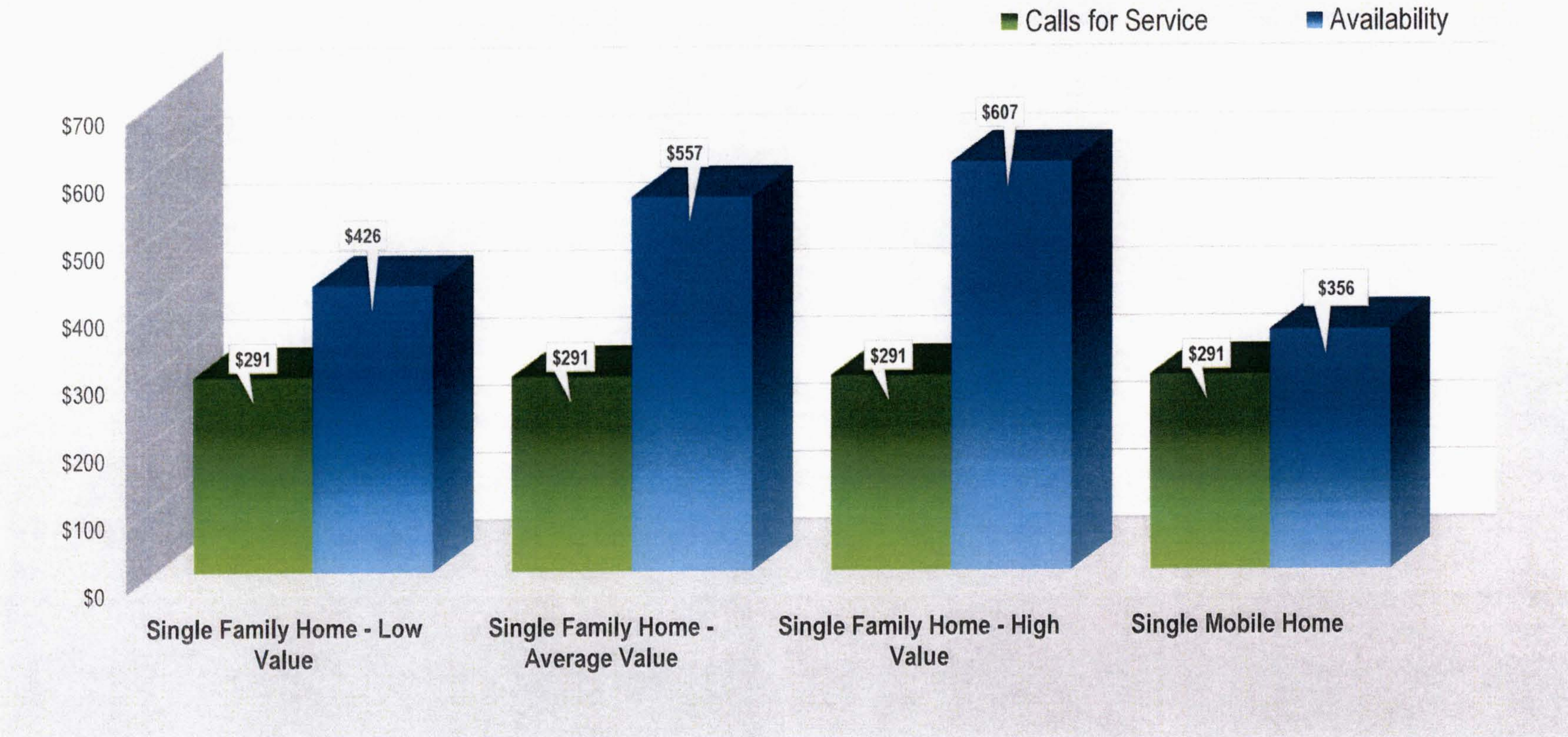
Availability Methodology - Fire Assessment Impact Table

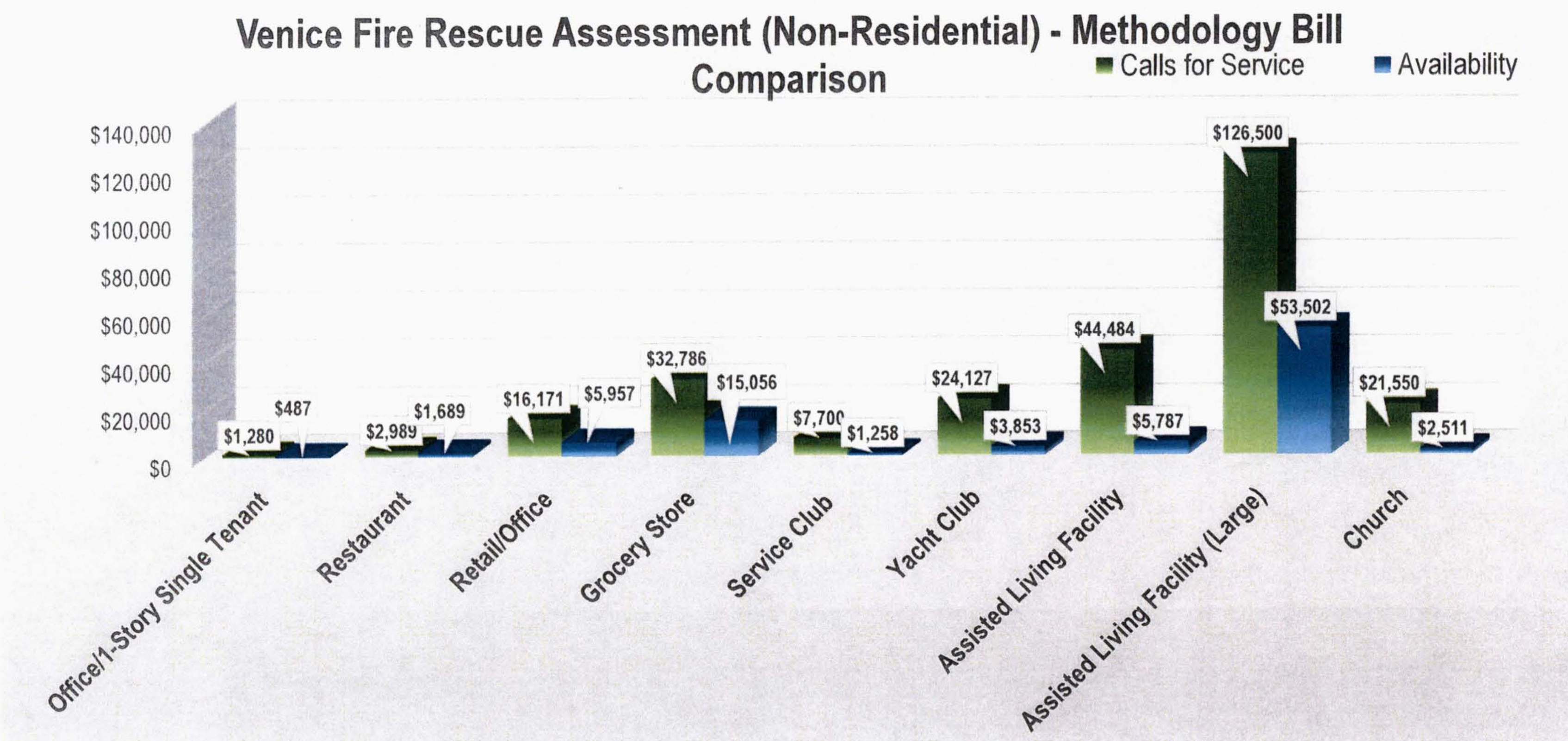
Parcel Type	Property Class	Building Value	Tier 2 Units	Tier 1 Rate	Tier 2 Rate	Calculated Annual Assessment	Effective Monthly Assessment
Single Family Home - Low Value	Residential	$111,500	22	$205.95	$10.02	$426	$36
Single Family Home - Average Value	Residential	$175,600	35	$205.95	$10.02	$557	$46
Single Family Home - High Value	Residential	$200,500	40	$205.95	$10.02	$607	$51
Single Mobile Home	Residential	$78,200	15	$205.95	$10.02	$356	$30
Office/1-Story Single Tenant	Commercial	$142,100	28	$205.95	$10.02	$487	$41
Restaurant	Commercial	$742,700	148	$205.95	$10.02	$1,689	$141
Retail/Office	Commercial	$2,873,000	574	$205.95	$10.02	$5,957	$496
Grocery Store	Commercial	$7,412,200	1,482	$205.95	$10.02	$15,056	$1,255
Service Club	Government/Institutional	$527,800	105	$205.95	$10.02	$1,258	$105
Yacht Club	Government/Institutional	$1,821,100	364	$205.95	$10.02	$3,853	$321
Assisted Living Facility	Government/Institutional	$2,789,700	557	$205.95	$10.02	$5,787	$482
Assisted Living Facility (Large)	Government/Institutional	$26,598,000	5,319	$205.95	$10.02	$53,502	$4,459
Church	Government/Institutional	$1,150,900	230	$205.95	$10.02	$2,511	$209

Calls for Service Methodology - Fire Assessment Impact Table

Parcel Type	Property Class	Building Value	Unit Type	Units	Fire Assessment Rate	Calculated Annual Assessment	Effective Monthly Assessment
Single Family Home - Low Value	Residential	$111,500	Dwelling	1	$290.72	$291	$24
Single Family Home - Average Value	Residential	$175,600	Dwelling	1	$290.72	$291	$24
Single Family Home - High Value	Residential	$200,500	Dwelling	1	$290.72	$291	$24
Single Mobile Home	Residential	$78,200	Dwelling	1	$290.72	$291	$24
Office/1-Story Single Tenant	Commercial	$142,100	Sq Ft	2,976	$0.43	$1,280	$107
Restaurant	Commercial	$742,700	Sq Ft	6,950	$0.43	$2,989	$249
Retail/Office	Commercial	$2,873,000	Sq Ft	37,606	$0.43	$16,171	$1,348
Grocery Store	Commercial	$7,412,200	Sq Ft	76,247	$0.43	$32,786	$2,732
Service Club	Government/Institutional	$527,800	Sq Ft	7,000	$1.10	$7,700	$642
Yacht Club	Government/Institutional	$1,821,100	Sq Ft	21,934	$1.10	$24,127	$2,011
Assisted Living Facility	Government/Institutional	$2,789,700	Sq Ft	40,440	$1.10	$44,484	$3,707
Assisted Living Facility (Large)	Government/Institutional	$26,598,000	Sq Ft	115,000	$1.10	$126,500	$10,542
Church	Government/Institutional	$1,150,900	Sq Ft	19,591	$1.10	$21,550	$1,796

Venice Fire Rescue Assessment (Residential) - Methodology Bill Comparison




Venice Fire Rescue Assessment (Non-Residential) - Methodology Bill Comparison
Calls for Service
Availability
$140,000
$120,000
$100,000
$80,000
$60,000
$40,000
$20,000
$0
$1,280
$487
$2,989
$1,689
$16,171
$5,957
$32,786
$15,056
$7,700
$1,258
$24,127
$3,853
$44,484
$5,787
$126,500
$53,502
$21,550
$2,511
Office/1-Story Single Tenant
Restaurant
Retail/Office
Grocery Store
Service Club
Yacht Club
Assisted Living Facility
Assisted Living Facility (Large)
Church