## City of Venice, FL FY 17-18 Fire Rescue Assessment

**Preliminary Assessment Assumptions, Calculations and Cost Projections** 

Workbook Date:

4/4/2017

Schedule 1 - Projection of Fire/Rescue Expenses

**Schedule 2 - Projected of Capital Improvement Program** 

**Schedule 3 - Projection of Net Revenue Requirement** 

Schedule 4 - Preliminary FY 2018 Fire Assessment Rate Calculation

**Schedule 5 - Property Impact Tables** 

Schedule 6 - Preliminary FY 2018 Fire Assessment Rate Calculation in 10% Increments

Schedule 7 - Potential Assessment and Ad Valorem Offset Scenarios





	1	Projected	Projected	Projected	Projected	Projected	Cost Escalation
Personnel Services		FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	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	

<sup>(1)</sup> 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	<u></u>	Y 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				

<sup>(1)</sup> 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%.

Fire Expenditures by Category		FY 2018		FY 2019	FY 2020	FY 2021	FY 2022
Personnel Services	(	7,268,29	) \$	7,525,800	\$ 7,754,079	\$ 7,926,839	\$ 7,776,911
Operating Costs	9	497,64	5 \$	509,091	\$ 520,800	\$ 532,778	\$ 545,032
Non-Annual O&M	9	127,50	\$	36,954	\$ 113,273	\$ 11,898	\$ 11,103
5-Year Average Annual Capital Costs	(	1,266,18	\$	1,266,189	\$ 1,266,189	\$ 1,266,189	\$ 1,266,189
Total Fire Expenditures	(	9,159,62	1 \$	9,338,034	\$ 9,654,341	\$ 9,737,704	\$ 9,599,235
Plus: Assessment Costs - Allowance for Early Payment (1)	) (	374,00	\$	382,000	\$ 391,000	\$ 399,000	\$ 408,000
Plus: Assessment Costs - County Property Appraiser (2)	2) (	187,00	\$	191,000	\$ 195,000	\$ 200,000	\$ 204,000
Plus: Assessment Costs - Tax Collector (3)	3)	187,00	\$	191,000	\$ 195,000	\$ 200,000	\$ 204,000
Plus: Assessment Notice Mailing Costs	1) (	11,00	\$	-	\$ -	\$ -	\$ 
Net Revenue Requirement for Assessment	(	9,918,62	1 \$	10,102,034	\$ 10,435,341	\$ 10,536,704	\$ 10,415,235
Less: Fire Casualty Insurance Premium - Revenues	9	(272,35	3) \$	(272,353)	\$ (272,353)	\$ (272,353)	\$ (272,353)
Less: Firefighters' Incentive - Revenues	9	(8,78)	7) \$	(8,787)	\$ (8,787)	\$ (8,787)	\$ (8,787)
Less: Fire Inspection Fees	(	(30,00	) \$	(30,000)	\$ (30,000)	\$ (30,000)	\$ (30,000)
Adjusted Net Revenue Requirement for Assessment		9,607,48	1 \$	9,790,894	\$ 10,124,201	\$ 10,225,564	\$ 10,104,095

<sup>(1) -</sup> Estimated at 4% of Net Revenue Requirement, rounded

<sup>(2) -</sup> Estimated at 2% of Net Revenue Requirement, rounded

<sup>(3) -</sup> Estimated at 2% of Net Revenue Requirement, rounded

<sup>(4) -</sup> Assessment Notice Mailing Costs are only imposed in the first year of the new Assessment Program. Estimated at \$0.75 per billed parcel.

		\$ Allocation of			Assessment per
<b>Property Category</b>	% Allocation	<b>FY2018 NRR</b>	<b>Allocated Units</b>	Unit Type <sup>(1)</sup>	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													
		<u>100%</u>		<u>75%</u>		<u>50%</u>		<u>25%</u>					
Allocated Costs	\$	9,607,484	\$	7,205,613	\$	4,803,742	\$	2,401,871					
Less: Shortfall for Exemptions	\$	(255,186)	\$	(191,389)	\$	(127,593)	\$	(63,796)					
Net Billed Revenues	\$	9,352,298	\$	7,014,224	\$	4,676,149	\$	2,338,075					
Less - Allowance for Early Payment (2)	\$	(374,000)	\$	(281,000)	\$	(187,000)	\$	(94,000)					
Less - County Property Appraiser Expense (3)	\$	(187,000)	\$	(140,000)	\$	(94,000)	\$	(47,000)					
Less - Tax Collector Expense (4)	\$	(187,000)	\$	(140,000)	\$	(94,000)	\$	(47,000)					
Less: Assessment Notice Mailing Costs (5)	\$	(11,000)	\$	(11,000)	\$	(11,000)	\$	(11,000)					
Estimated Net Collected Revenues	\$	8,593,000	\$	6,442,000	\$	4,290,000	\$	2,139,000					
Tier 1 Rate per Parcel	\$	205.95	\$	154.46	\$	102.97	\$	51.48					
Tier 2 Rate per Parcel	\$	10.02	\$	7.51	\$	5.01	\$	2.50					
Average Single Family Home Fee (35 EBUs):	\$	556.65	\$	417.31	\$	278.32	\$	138.98					

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

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

<sup>(2) -</sup> Estimated at 4% of Net Revenue Requirement, rounded

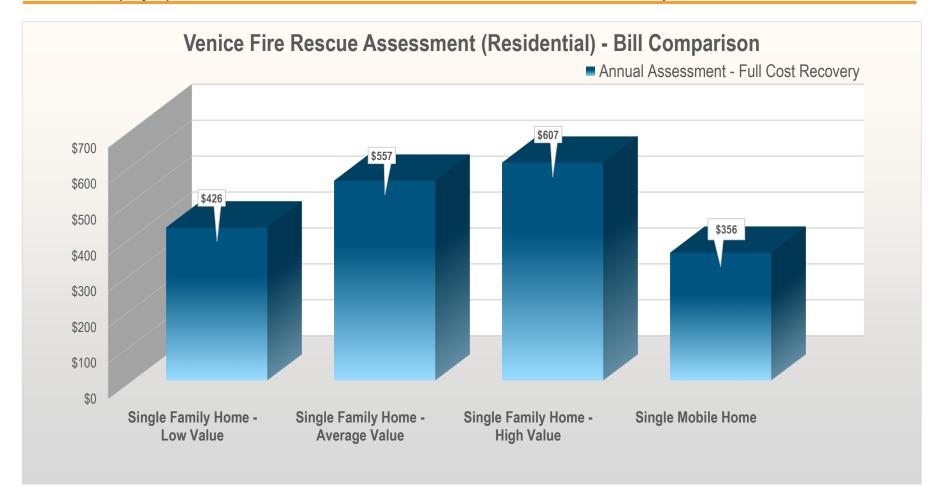
<sup>(3) -</sup> Estimated at 2% of Net Revenue Requirement, rounded

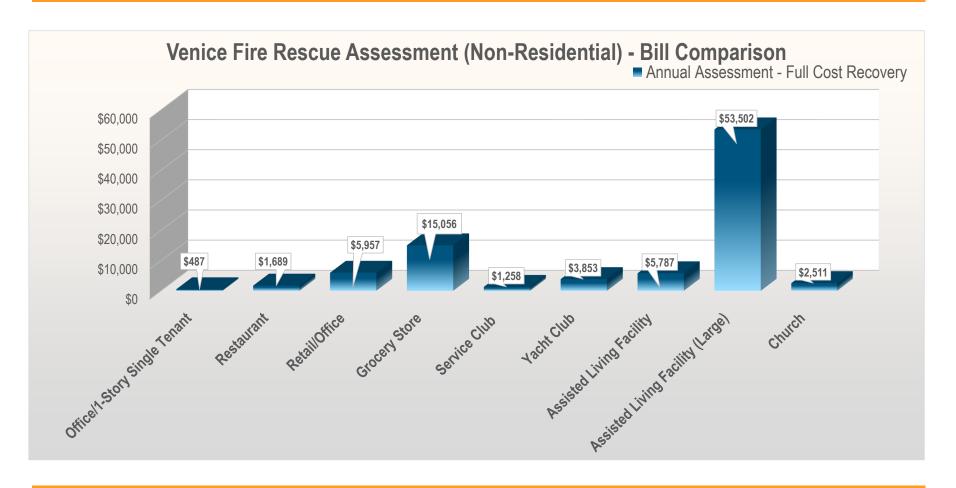
<sup>(4) -</sup> Estimated at 2% of Net Revenue Requirement, rounded

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

## **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





FY18 Net Revenue Requirement % Cost Recovery	\$ 9,607,484 <b>100%</b>	\$	9,607,484 <b>90%</b>	\$ 9,607,484 <b>80%</b>	\$ 9,607,484 <b>70%</b>	\$ 9,607,484 <b>60%</b>	\$	9,607,484 <b>50%</b>	\$ 9,607,484 <b>40%</b>	\$	9,607,484 <b>30%</b>	\$	9,607,484 <b>20%</b>	\$	9,607,484 <b>10%</b>
Allocated Assessment Costs (NRR x % Cost Recovery)	\$ 9,607,484	\$	8,646,735	\$ 7,685,987	\$ 6,725,239	\$ 5,764,490	\$	4,803,742	\$ 3,842,994	\$	2,882,245	\$	1,921,497	\$	960,748
Tier 1 % Allocation of Costs Tier 2 % Allocation of Costs	34.5% 65.5%		34.5% 65.5%	34.5% 65.5%	34.5% 65.5%	34.5% 65.5%		34.5% 65.5%	34.5% 65.5%		34.5% 65.5%		34.5% 65.5%		34.5% 65.5%
Tier 1 \$ Allocation of Costs Tier 2 \$ Allocation of Costs	-,- ,		, ,	2,651,666 5,034,322	2,320,207 4,405,031	1,988,749 3,775,741	•	1,657,291 3,146,451	1,325,833 2,517,161	\$ \$	994,375 1,887,871	\$ \$	662,916 1,258,580	\$ \$	331,458 629,290
Tier 1 Allocated Parcels	16,094		16,094	16,094	16,094	16,094		16,094	16,094		16,094		16,094		16,094
Tier 2 Allocated Structure EBUs	627,840		627,840	627,840	627,840	627,840		627,840	627,840		627,840		627,840		627,840
Tier 1 Rate per Parcel	205.95	- :			144.16	123.57	- :	102.97	\$ 82.38				41.19	- 1	20.59
Tier 2 Rate per Structure EBU	\$ 10.02	\$	9.02	\$ 8.01	\$ 7.01	\$ 6.01	\$	5.01	\$ 4.00	\$	3.00	\$	2.00	\$	1.00
Average Single Family Home @ 35 EBUs	\$ 556.65	\$	501.05	\$ 445.11	\$ 389.51	\$ 333.92	\$	278.32	\$ 222.38	\$	166.78	\$	111.19	\$	55.59
				 -									-		
Net Revenue Estimation															
Allocated Assessment	-,,			7,685,987	, ,	5,764,490	\$	4,803,742	3,842,994		2,882,245		1,921,497	\$	960,748
Less: Shortfall for Exempted Properties  Net Billed Assessment:	(255,186) 9.352.298	\$	(229,667)	\$ ( - , - ,	(178,630)	 (153,112)	\$	(127,593)	\$ (102,074)	_	(76,556)	\$	(51,037)	\$	(25,519)
Less: Allowance for Early Payment Discount	(374,000)		8,417,068 (337,000)	7,481,838 (299,000)	6,546,609 (262,000)	\$ 5,611,379 (224,000)	\$	4,676,149 (187,000)	3,740,919 (150,000)	\$	2,805,689 (112,000)		1,870,460 (75,000)	Φ	935,230 (37,000)
Less: Tax Collector Expense	(187.000)		(168,000)		(131,000)	(112.000)		(94,000)	(75,000)		(56,000)		(37,000)		(19,000)
Less: Property Appraisers Expense	(187,000)			(150,000)	(131,000)	(112,000)	•	(94,000)	(75,000)		(56,000)		(37,000)		(19,000)
Less: Notice of Hearing - Mailing Costs	(11,000)		, , ,	(11,000)	(11,000)	(11,000)		(11,000)	(11,000)		(11,000)		(11,000)		(11,000)
FY 2018 Net Estimated Revenue	8,593,000		7,733,000	6,872,000	6,012,000	\$ 5,152,000	\$	4,290,000	3,430,000	\$	,		1,710,000	\$	849,000

								Averag	ge Single Fa	amily Home	: Impact
Scenario	Description	Fire Cost Recovery %	Millage Rate	Millage Rate Reduction	Fire Revenue	Millage Offset	Net Revenue	Fire Assmt	Millage Adi.	Net Annual Impact	Effective Monthly Impact
1	Balance Budget	10%	3.4000	-0.200	\$849,000	(\$704,000)	\$145,000	\$56	(\$47)	\$9	\$1
2	Scen. 1 + Funds new Fire Costs	25%	3.4000	-0.200	\$2,139,000	(\$704,000)	\$1,435,000	\$139	(\$47)	\$92	\$8
3	Scen. 2 + \$500k for Other Capital	35%	3.3000	-0.300	\$3,001,000	(\$1,056,000)	\$1,945,000	\$195	(\$71)	\$124	\$10
4	Scen. 2 + \$1M for Other Capital	40%	3.3000	-0.300	\$3,430,000	(\$1,056,000)	\$2,374,000	\$222	(\$71)	\$152	\$13
5	Scen. 2 + \$2M for Other Capital	50%	3.3500	-0.250	\$4,290,000	(\$880,000)	\$3,410,000	\$278	(\$59)	\$219	\$18
6	Scen. 2 + \$3M for Other Capital	50%	3.6000	0.000	\$4,290,000	\$0	\$4,290,000	\$278	\$0	\$278	\$23
Ü	Coon. 2 1 your for Curici Capital	0070	0.0000	0.000	ψ-1,200,000	ΨΟ	φ-1,200,000	ΨΖΙΟ	ΨΟ	Ψ2.10	