## FRAMEWORK FOR ESTIMATING TAX IMPLICATIONS OF PUBLIC SAFETY FACILITY PROJECT



# Comparison of Level Payment vs. Level Principal, 30 \& 40 Years 

 (\$14,035,795 in principal, for example)

Figures from FY19 Tax Rate Recap

Total Taxable Real Property Value: Residential (all types) Real Prop. Value: Single Family (SF) Real Property Value:
$\$ 865,889,368$
\$787,436,361
\$567,265,620
993
\$571,264 (from Board of Assessors)
number of parcels = average value

Number of Thous. of Tot. Tax Val:
Number of Thous. In Average SF:
Fiscal Year 2020 Est. Tax Rate:
Average SF Tax Bill Calculation:

865,889
571.26
\$16.29 (before adding the proposed public safety buiding project)
thousands
Change to
Rate
0.94

811,613 divided by 865,889
571.26 \$16.29 \$9,306
\$16.29 \$9,306
$x$ rate $=$ bill

|  |  |  | Percent | Cost |
| :---: | :---: | :---: | :---: | :---: |
| Adjusted | Dollars to | Dollars | Tax Bill | per |
| Tax Rate | Avg Payer | per 100 k | Increase | Day |
| 17.23 | 535 | 93.73 | $5.75 \%$ | 1.47 |
| 16.29 plus 0.94 | 0.94 times 571.26 | 0.94 times 100,000 |  |  |

figures shown are rounded

# Estimated Tax Impact Associated with Public Safety Building 

|  |  |  |  | parcel count | average |  | exempt parcel ct. |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total Taxable Real Property Value: | \$865,889, |  |  |  |  | 431 |  |  |  |  |  |  |  |  |  |
|  | Residential (all types) Real Prop. Value: | \$787,436, |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Single Family (SF) Real Property Value: | \$567,265, |  | 993 | \$571,264 | from Board | of Assessors |  |  |  |  |  |  |  |  |  |
|  |  | figures from fi | year | 019 tax rate r |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | 30-year inte | rest rt: | 4\% |  |  |  |  |  |  |  |
|  | Number of Thous. of Tot. Tax Val: | 865, |  |  |  |  | 40 -year inte | rest rt: | 4.25\% |  |  |  |  |  |  |  |
|  | Number of Thous. In Average SF: |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Fiscal Year 2020 Est. Tax Rate: |  | (be | re adding the | proposed | blic safety | buiding proj | ject) |  |  |  |  |  |  |  |  |
|  | Average SF Tax Bill Calculation: |  |  | \$16.29 | \$9,306 |  |  |  |  |  |  |  |  |  |  |  |
|  |  | thous |  | $x$ rate | $=$ bill |  |  |  |  |  |  |  |  |  |  |  |
| Project Cost | 17,534,795 |  |  |  |  |  |  |  | Percent | Cost |  | Mid-point |  | ow-point |  |  |
|  |  |  |  |  | Change to | Adjusted | Dollars to | Dollars | Tax Bill | per |  | of Level |  | of Level |  | Total |
| Cash to be Used | Amount to be Borrowed | Scenario |  | Service* | Rate | Tax Rate | Avg Payer | per 100k | Increase | Day |  | Principal |  | Principal |  | Interest |
| 6,000,000 | 11,534,795 | $30 y$, Lev Princ | \$ | 846,400 | \$0.98 | \$17.27 | \$558 | \$97.75 | 6.00\% | \$1.53 | \$ | 630,800 | \$ | 395,200 | \$ | 7,143,600 |
|  |  | $30 y$, Lev Pmt | \$ | 638,227 | \$0.74 | \$17.03 | \$421 | \$73.71 | 4.52\% | \$1.15 |  |  |  |  | \$ | 7,612,015 |
|  |  | $40 y$, Lev Princ | \$ | 778,599 | \$0.90 | \$17.19 | \$514 | \$89.92 | 5.52\% | \$1.41 | \$ | 545,740 | \$ | 300,621 | \$ | 10,049,686 |
|  |  | $40 y$, Lev Pmt | \$ | 604,654 | \$0.70 | \$16.99 | \$399 | \$69.83 | 4.29\% | \$1.09 |  |  |  |  | \$ | 12,651,363 |
| 4,500,000 | 13,034,795 | $30 y$, Lev Princ | \$ | 956,400 | \$1.10 | \$17.39 | \$631 | \$110.45 | 6.78\% | \$1.73 | \$ | 712,800 | \$ | 447,200 | \$ | 8,073,600 |
|  |  | $30 y$, Lev Pmt | \$ | 753,920 | \$0.87 | \$17.16 | \$497 | \$87.07 | 5.34\% | \$1.36 |  |  |  |  | \$ | 9,582,805 |
|  |  | $40 y$, Lev Princ | \$ | 879,849 | \$1.02 | \$17.31 | \$580 | \$101.61 | 6.24\% | \$1.59 | \$ | 616,709 | \$ | 339,719 | \$ | 11,356,565 |
|  |  | $40 y$, Lev Pmt | \$ | 683,284 | \$0.79 | \$17.08 | \$451 | \$78.91 | 4.84\% | \$1.24 |  |  |  |  | \$ | 14,296,563 |
| 3,500,000 | 14,034,795 | $30 y$, Lev Princ | \$ | 1,031,400 | \$1.19 | \$17.48 | \$680 | \$119.11 | 7.31\% | \$1.86 | \$ | 768,200 | \$ | 483,600 | \$ | 8,679,600 |
|  |  | $30 y$, Lev Pmt | \$ | 811,613 | \$0.94 | \$17.23 | \$535 | \$93.73 | 5.75\% | \$1.47 |  |  |  |  | \$ | 10,313,595 |
|  |  | $40 y$, Lev Princ | \$ | 947,349 | \$1.09 | \$17.38 | \$625 | \$109.41 | 6.72\% | \$1.71 | \$ | 664,021 | \$ | 365,777 | \$ | 12,227,811 |
|  |  | $40 y$, Lev Pmt | \$ | 735,704 | \$0.85 | \$17.14 | \$485 | \$84.97 | 5.22\% | \$1.33 |  |  |  |  | \$ | 15,393,363 |
| 3,000,000 | 14,534,795 | $30 y$, Lev Princ | \$ | 1,066,400 | \$1.23 | \$17.52 | \$704 | \$123.16 | 7.56\% | \$1.93 | \$ | 794,800 | \$ | 499,200 | \$ | 9,003,600 |
|  |  | $30 y$, Lev Pmt | \$ | 840,473 | \$0.97 | \$17.26 | \$554 | \$97.06 | 5.96\% | \$1.52 |  |  |  |  | \$ | 10,679,395 |
|  |  | $40 y$, Lev Princ | \$ | 981,099 | \$1.13 | \$17.42 | \$647 | \$113.31 | 6.96\% | \$1.77 | \$ | 687,677 | \$ | 378,813 | \$ | 12,663,440 |
|  |  | $40 y$, Lev Pmt | \$ | 761,914 | \$0.88 | \$17.17 | \$503 | \$87.99 | 5.40\% | \$1.38 |  |  |  |  | \$ | 15,941,763 |
| 2,500,000 | 15,034,795 | $30 y$, Lev Princ | \$ | 1,106,400 | \$1.28 | \$17.57 | \$730 | \$127.78 | 7.84\% | \$2.00 | \$ | 820,000 | \$ | 520,000 | \$ | 9,305,600 |
|  |  | $30 y$, Lev Pmt | \$ | 869,433 | \$1.00 | \$17.29 | \$574 | \$100.41 | 6.16\% | \$1.57 |  |  |  |  | \$ | 11,048,195 |
|  |  | $40 y$, Lev Princ | \$ | 1,014,849 | \$1.17 | \$17.46 | \$670 | \$117.20 | 7.19\% | \$1.83 | \$ | 711,334 | \$ | 391,844 | \$ | 13,099,065 |
|  |  | $40 y$, Lev Pmt | \$ | 788,124 | \$0.91 | \$17.20 | \$520 | \$91.02 | 5.59\% | \$1.42 |  |  |  |  | \$ | 16,490,163 |
| 2,000,000 | 15,534,795 | $30 y$, Lev Princ | \$ | 1,141,400 | \$1.32 | \$17.61 | \$753 | \$131.82 | 8.09\% | \$2.06 | \$ | 850,200 | \$ | 535,600 | \$ | 9,609,600 |
|  |  | $30 y$, Lev Pmt | \$ | 898,440 | \$1.04 | \$17.33 | \$593 | \$103.76 | 6.37\% | \$1.62 |  |  |  |  | \$ | 11,418,405 |
|  |  | $40 y$, Lev Princ | \$ | 1,048,599 | \$1.21 | \$17.50 | \$692 | \$121.10 | 7.43\% | \$1.90 | \$ | 734,990 | \$ | 404,875 | \$ | 13,534,690 |
|  |  | $40 y$, Lev Pmt | \$ | 814,334 | \$0.94 | \$17.23 | \$537 | \$94.05 | 5.77\% | \$1.47 |  |  |  |  | \$ | 17,038,563 |

[^0]for more detail concerning how the total payment declines over time for those scenarios.


[^0]:    Annual debt service for level principal scenarios is given as the year-one payment. Refer to mid-point and low-point column

