

# Unbilled Water and Rate Structure Change Impacts

Vallecitos Water District Finance Committee Meeting
February 22, 2017





## Recent Legislation on Water Loss, Management



- SB1420 Water Management: Urban Water Management Plans
  - 2014, Requires UWMP to include a water loss audit
- SB555 Urban Retail Water Suppliers: Water Loss Management
  - 2015, Water Loss Audit Report validated and submitted to DWR every year
- Use AWWA's M36 Manual and free software



#### Objectives of Water Loss Audit



- Determination of Water Losses and Real Losses
- Basis and reference for continuous improvement



#### AWWA's Water Balance



#### Unbilled Water\* = Non-Revenue Water

|                   |                                    | Billed Authorized<br>Consumption<br>84 MG | Billed Metered Consumption  82 MG  Billed Unmetered Consumption | Revenue Water 84 MG  Non-Revenue Water 16 MG |  |
|-------------------|------------------------------------|---|---|--|--|
|                   | Authorized<br>Consumption<br>88 MG | Unbilled Authorized  Consumption          | 2 MG Unbilled Metered Consumption 1 MG                          |  |  |
| Water<br>Supplied |                                    | 4 MG                                      | Unbilled Unmetered Consumption  3 MG                            |  |  |
| 100 MG            |                                    |   | Unauthorized Consumption 0.25 MG                                |  |  |
|                   | Water Losses                       | Apparent Losses  4 MG                     | Customer Metering Inaccuracies  3.50 MG                         |  |  |
|                   | 12 MG                              |   | Systematic Data Handling Errors  0.25 MG                        |  |  |
|                   |                                    |   | Real Losses 8 MG  |  |  |





#### Water Audit Result Metrics/KPIs



- Unaccounted for water
- Water Audit Data Validity Score
- Priority Areas for Attention
- Non-revenue Water as a Percent by Cost of Operating System
- Infrastructure Leakage Index
- Apparent Losses per Service Connection per Day
- Real Losses per Service Connection per Day



### Rate Structure Change Impacts

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| 5/8" Meters | S       |           |          | Monthly B | ill Analysis |             |              |              |   |  |  |
|-------------|---------|-----------|----------|-----------|--------------|-------------|--------------|--------------|---|--|--|
| Per Unit    |         | Total Cu  | mulative |           | Monthly      | Average Use | e = 13 units | <del>-</del> |   |  |  |
|             |         | Projected |          | Projected |              |             |              |              | <ul> <li>The purpose of this analysis is</li> </ul> |  |  |
|             | Current | 2018      | Current  | 2018      | Total Ir     | crease      | Commodit     | y Increase   | to assess the likely relativity of                  |  |  |
| RTS         |         |           | \$ 31.42 | \$ 34.21  | \$ 2.79      | 8.9%        |              |              | fiscal impacts to VWD's                             |  |  |
| Commodity   |         |           |          |           |              |             |              |              | customers from the rate                             |  |  |
| 1           | \$ 3.08 | \$ 3.50   | 34.50    | 37.71     | 3.21         | 9.3%        | \$ 0.42      | 13.6%        |   |  |  |
| 2           | 3.08    | 3.50      | 37.58    | 41.21     | 3.63         | 9.7%        | 0.84         | 13.6%        | the Board at the February 15 <sup>th</sup>          |  |  |
| 3           | 3.08    | 3.50      | 40.66    | 44.71     | 4.05         | 10.0%       |              | 13.6%        |   |  |  |
| 4           | 3.08    | 3.50      | 43.74    | 48.21     | 4.47         | 10.2%       |              | 13.6%        | <u> </u>  |  |  |
| 5           | 3.08    | 4.39      | 46.82    | 52.60     | 5.78         | 12.3%       |              | 19.4%        | i * Stati is ili ilo way biobosilig oi              |  |  |
| 6           | 4.12    | 4.39      | 50.94    | 56.99     | 6.05         | 11.9%       |              | 16.7%        | inferring rate determination at                     |  |  |
| 7           | 4.12    | 4.39      | 55.06    | 61.38     | 6.32         | 11.5%       |              | 14.9%        | this point  |  |  |
| 8           | 4.12    | 4.39      | 59.18    | 65.77     | 6.59         | 11.1%       |              | 13.7%        | · ·   |  |  |
| 9           | 4.12    | 4.39      | 63.30    | 70.16     | 6.86         | 10.8%       |              | 12.8%        | I lad the last late study been                      |  |  |
| 10          | 4.12    | 4.39      | 67.42    | 74.55     | 7.13         | 10.6%       |              | 12.1%        | adonted the average                                 |  |  |
| 11          | 4.12    | 4.39      | 71.54    | 78.94     | 7.40         | 10.3%       |              | 11.5%        | customor would have soon a                          |  |  |
| 12          | 4.12    | 4.39      | 75.66    | 83.33     | 7.67         | 10.1%       |              | 11.0%        |   |  |  |
| 13          | 4.12    | 4.39      | 79.78    | 87.72     | 7.94         | 10.0%       |              | 10.6%        | ,   |  |  |
| 14          | 4.12    | 4.39      | 83.90    | 92.11     | 8.21         | 9.8%        |              | 10.3%        | castorners coara nave                               |  |  |
| 15          | 4.12    | 4.39      | 88.02    | 96.50     | 8.48         | 9.6%        |              | 10.1%        |   |  |  |
| 16          | 4.12    | 4.39      | 92.14    | 100.89    | 8.75         | 9.5%        |              | 9.8%         | increase, while others a                            |  |  |
| 17          | 4.12    | 4.39      | 96.26    | 105.28    | 9.02         | 9.4%        |              | 9.6%         | significant reduction                               |  |  |
| 18          | 5.33    | 4.39      | 101.59   | 109.67    | 8.08         | 8.0%        |              | 7.5%         |   |  |  |
| 19          | 5.33    | 4.39      | 106.92   | 114.06    | 7.14         | 6.7%        |              | 5.8%         | · · · · · · · · · · · · · · · · · · ·               |  |  |
| 20          | 5.33    | 4.39      | 112.25   | 118.45    | 6.20         | 5.5%        |              | 4.2%         | 5.5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5             |  |  |
| 21          | 5.33    | 4.39      | 117.58   | 122.84    | 5.26         | 4.5%        |              | 2.9%         | projected one year ago during                       |  |  |
| 22          | 5.33    | 6.80      | 122.91   | 129.64    | 6.73         | 5.5%        |              | 4.3%         | the last hudget process                             |  |  |
| 23          | 5.33    | 6.80      | 128.24   | 136.44    | 8.20         | 6.4%        |              | 5.6%         |   |  |  |
| 24          | 5.33    | 6.80      | 133.57   | 143.24    | 9.67         | 7.2%        |              | 6.7%         | , 0   |  |  |
| 25          | 5.33    | 6.80      | 138.90   | 150.04    | 11.14        | 8.0%        |              | 7.8%         | Will be critered life the W                         |  |  |
| 26          | 5.33    | 6.80      | 144.23   | 156.84    | 12.61        | 8.7%        |              | 8.7%         | i ale illouel as lile buugel                        |  |  |
| 27          | 5.33    | 6.80      | 149.56   | 163.64    | 14.08        | 9.4%        |              | 9.6%         | nrocass avolvas                                     |  |  |
| 30          | 5.33    | 6.80      | 165.55   | 184.04    | 18.49        | 11.2%       |              | 11.7%        | '   |  |  |
| 37          | 7.41    | 6.80      | 204.94   | 231.64    | 26.70        | 13.0%       |              | 13.8%        | _   |  |  |
| 60          | 7.41    | 6.80      | 375.37   | 388.04    | 12.67        | 3.4%        |              | 2.9%         |   |  |  |
| 100         | 7.41    | 6.80      | 671.77   | 660.04    | (11.73)      | -1.7%       | (14.52)      | -2.3%        |   |  |  |

| 3/4" Meters | ;            |              |                  | Monthly B        | ill Analysis  |               |            |               |   |
|-------------|--------------|--------------|------------------|------------------|---------------|---------------|------------|---------------|---|
| Per Unit    |              | Total Cu     | mulative         |                  | Monthly       | Average Use   | = 13 units |               |   |
|             | Projected    |              | jected I         |                  |               |               |            |               | <ul> <li>The purpose of this analysis is</li> </ul> |
|             | Current      | 2018         | Current          | 2018             | Total In      | crease        | Commodit   | y Increase    | to assess the likely relativity of                  |
| RTS         |              |              | \$ 36.52         | \$ 34.21         | \$ (2.31)     | -6.3%         |            |               | fiscal impacts to VWD's                             |
| Commodity   |              |              |                  |                  |               |               |            |               | customers from the rate                             |
| 1           | \$ 3.08      | \$ 3.50      | 39.60            | 37.71            | (1.89)        | -4.8%         | \$ 0.42    | 13.6%         |   |
| 2           | 3.08         | 3.50         | 42.68            | 41.21            | (1.47)        | -3.4%         | 0.84       | 13.6%         | the Board at the February 15 <sup>th</sup>          |
| 3           | 3.08         | 3.50         | 45.76            | 44.71            | (1.05)        | -2.3%         |            | 13.6%         | <u>.</u>  |
| 4           | 3.08         | 3.50         | 48.84            | 48.21            | (0.63)        | -1.3%         | 1.68       | 13.6%         | meeting.  |
| 5           | 3.08         | 4.39         | 51.92            | 52.60            | 0.68          | 1.3%          |            | 19.4%         | <ul> <li>Staff is in no way proposing or</li> </ul> |
| 6           | 4.12         | 4.39         | 56.04            | 56.99            | 0.95          | 1.7%          |            | 16.7%         | inferring rate determination at                     |
| 7           | 4.12         | 4.39         | 60.16            | 61.38            | 1.22          | 2.0%          |            | 14.9%         | this point  |
| 8           | 4.12         | 4.39         | 64.28            | 65.77            | 1.49          | 2.3%          |            | 13.7%         | · · · · · · · · · · · · · · · · · · ·               |
| 9           | 4.12         | 4.39         | 68.40            | 70.16            | 1.76          | 2.6%          |            | 12.8%         | i i i i au tile iast i ate study beeli              |
| 10          | 4.12         | 4.39         | 72.52            | 74.55            | 2.03          | 2.8%          |            | 12.1%         | annnien ine average                                 |
| 11          | 4.12         | 4.39         | 76.64            | 78.94            | 2.30          | 3.0%          |            | 11.5%         | customor would have soon a                          |
| 12          | 4.12         | 4.39         | 80.76            | 83.33            | 2.57          | 3.2%          |            | 11.0%         | FOX to a constant to the constant                   |
| 13          | 4.12         | 4.39         | 84.88            | 87.72            | 2.84          | 3.3%          |            | 10.6%         |   |
| 14<br>15    | 4.12         | 4.39         | 89.00            | 92.11<br>96.50   | 3.11          | 3.5%          |            | 10.3%         | castorriers coara riave                             |
|             | 4.12         | 4.39         | 93.12            |                  | 3.38          | 3.6%          |            | 10.1%         | EXPENSIVE as much as a 00/0                         |
| 16          | 4.12         | 4.39         | 97.24            | 100.89           | 3.65          | 3.8%          |            | 9.8%          | increase, wille others a                            |
| 17          | 4.12         | 4.39         | 101.36           | 105.28           | 3.92          | 3.9%          | 6.23       | 9.6%          | Significant reduction                               |
| 18          | 5.33         | 4.39         | 106.69           | 109.67           | 2.98          | 2.8%          |            | 7.5%          |   |
| 19          | 5.33         | 4.39         | 112.02           | 114.06           | 2.04          | 1.8%          | 4.35       | 5.8%          | The revenue requirement                             |
| 20          | 5.33         | 4.39         | 117.35           | 118.45           | 1.10          | 0.9%          |            | 4.2%          | 0.000.101 110,0000. =0=0 110.0                      |
| 21          | 5.33         | 4.39         | 122.68           | 122.84           | 0.16          | 0.1%          |            | 2.9%          | projected one year ago during                       |
| 22          | 5.33         | 6.80         | 128.01           | 129.64           | 1.63          | 1.3%          |            | 4.3%          | The last billoger brocess                           |
| 23          | 5.33         | 6.80         | 133.34           | 136.44           | 3.10          | 2.3%          |            | 5.6%          |   |
| 24          | 5.33         | 6.80         | 138.67           | 143.24           | 4.57          | 3.3%          | 6.88       | 6.7%          | ,   |
| 25          | 5.33         | 6.80         | 144.00           | 150.04           | 6.04          | 4.2%          |            | 7.8%          | will be entered into the new                        |
| 26          | 5.33         | 6.80         | 149.33           | 156.84           | 7.51          | 5.0%          |            | 8.7%          | Tale illoger as the budger                          |
| 27          | 5.33         | 6.80         | 154.66           | 163.64           | 8.98          | 5.8%          |            | 9.6%          | ηγηραςς αγγαίνας                                    |
| 30          | 5.33         | 6.80         | 170.65           | 184.04           | 13.39         | 7.8%          |            | 11.7%         |   |
| 37<br>60    | 7.41<br>7.41 | 6.80<br>6.80 | 210.04<br>380.47 | 231.64<br>388.04 | 21.60<br>7.57 | 10.3%<br>2.0% |            | 13.8%<br>2.9% |   |
|             |              |              |                  | 660.04           |               |               |            |               |   |
| 100         | 7.41         | 6.80         | 676.87           | 000.04           | (16.83)       | -2.5%         | (14.52)    | -2.3%         |   |

| 1" Meters   |                     |         |              | Monthly B | ill Analysis |           |   |             |   |  |  |
|-------------|---------------------|---------|--------------|-----------|--------------|-----------|---|-------------|---|--|--|
|             | Per                 | Unit    | Total Cu     | mulative  |              | Monthly . | Average Use   | = 45 units  |   |  |  |
|             | Projected Projected |         |              |           |              |           | <ul> <li>The purpose of this analysis is</li> </ul> |             |   |  |  |
|             | Current             | 2018    | Current      | 2018      | Total In     | crease    | Commodit  | y Increase  | to assess the likely relativity of                  |  |  |
| RTS         |                     |         | \$ 55.29     | \$ 49.97  | \$ (5.33)    | -9.6%     |   |             | fiscal impacts to VWD's                             |  |  |
| Commodity   |                     |         |              |           |              |           |   |             | customers from the rate                             |  |  |
| 1           | \$ 3.08             | \$ 3.50 | 58.37        | 53.47     | (4.90)       | -8.4%     | \$ 0.42   | 13.6%       | structure change presented to                       |  |  |
| 2           | 3.08                | 3.50    | 61.45        | 56.97     | (4.48)       | -7.3%     | 0.84  | 13.6%       |   |  |  |
| 3           | 3.08                | 3.50    | 64.53        | 60.47     | (4.07)       | -6.3%     | 1.26  | 13.6%       | the Board at the February 15 <sup>th</sup>          |  |  |
| 4           | 3.08                | 3.50    | 67.61        | 63.97     | (3.65)       | -5.4%     | 1.68  | 13.6%       | meeting.  |  |  |
| 5           | 3.08                | 3.50    | 70.69        | 67.47     | (3.22)       | -4.6%     | 2.10  | 13.6%       | <ul> <li>Staff is in no way proposing or</li> </ul> |  |  |
| 6           | 4.12                | 3.50    | 74.81        | 70.97     | (3.85)       | -5.1%     | 1.48  | 7.6%        | , , , ,   |  |  |
| 13          | 4.12                | 4.39    | 103.65       | 96.36     | (7.30)       | -7.0%     | (1.97)  | -4.1%       | inferring rate determination at                     |  |  |
| 30          | 4.12                | 4.39    | 173.69       | 170.99    | (2.70)       | -1.6%     | 2.62  | 2.2%        | this point.   |  |  |
| 40          | 4.12                | 4.39    | 214.89       | 214.89    | (0.00)       | 0.0%      | 5.32  | 3.3%        | <ul> <li>Had the last rate study been</li> </ul>    |  |  |
| 61          | 5.33                | 4.39    | 302.62       | 307.08    | 4.46         | 1.5%      | 9.78  | 4.0%        | adopted, the average                                |  |  |
| 80          | 5.33                | 6.80    | 403.89       | 392.90    | (10.99)      | -2.7%     | (5.67)  | -1.6%       |   |  |  |
| 215         | 7.41                | 6.80    | 1,125.52     | 1,310.90  | 185.38       | 16.5%     | 190.70  | 17.8%       |   |  |  |
| 500         | 7.41                | 6.80    | 3,237.37     | 3,248.90  | 11.53        | 0.4%      | 16.85   | 0.5%        | 5% increase, but other                              |  |  |
|             |                     |         |              |           |              |           |   |             | customers could have                                |  |  |
| 1.5" Meters |                     |         |              | Monthly B | ill Analysis |           |   |             | experience as much as a 60%                         |  |  |
|             | Per                 | Unit    | Total Cu     | mulative  |              | Monthly A | verage Use =  | = 117 units | increase, while others a                            |  |  |
| Projected   |                     |         | Projected    |           |              |           |   |             |   |  |  |
|             | Current 2018        |         | Current 2018 |           | Incre        | ase       | Commodity Increase                                  |             | significant reduction.                              |  |  |
| RTS         |                     |         | \$ 110.59    | \$ 128.74 | \$ 18.15     | 16.4%     |   |             | <ul> <li>The revenue requirement</li> </ul>         |  |  |
| Commodity   |                     |         |              |           |              |           |   |             | used for "Projected 2018" was                       |  |  |
| 1           | \$ 3.08             | \$ 3.50 | 113.67       | 132.24    | 18.57        | 16.3%     | \$ 0.42   | 0.7%        | projected one year ago during                       |  |  |
| 2           | 3.08                | 3.50    | 116.75       | 135.74    | 18.99        | 16.3%     | 0.84  | 1.4%        |   |  |  |
| 3           | 3.08                | 3.50    | 119.83       | 139.24    | 19.41        | 16.2%     | 1.26  | 2.0%        | the last budget process.                            |  |  |
| 4           | 3.08                | 3.50    | 122.91       | 142.74    | 19.83        | 16.1%     | 1.68  | 2.5%        | <ul> <li>Current year budget numbers</li> </ul>     |  |  |
| 5           | 3.08                | 3.50    | 125.99       | 146.24    | 20.25        | 16.1%     | 2.10  | 3.0%        | will be entered into the new                        |  |  |
| 6           | 4.12                | 3.50    | 130.11       | 149.74    | 19.63        | 15.1%     | 1.48  | 2.0%        | rate model as the budget                            |  |  |
| 33          | 4.12                | 4.39    | 241.35       | 245.13    | 3.78         | 1.6%      | (14.37)   | -7.7%       |   |  |  |
| 158         | 5.33                | 4.39    | 757.56       | 793.88    | 36.32        | 4.8%      | 18.17   | 2.6%        | process evolves.                                    |  |  |
| 197         | 5.33                | 6.80    | 965.43       | 967.50    | 2.07         | 0.2%      | (16.08)   | -1.8%       |   |  |  |
| 628         | 7.41                | 6.80    | 3,264.74     | 3,898.30  | 633.56       | 19.4%     | 615.41  | 19.2%       | 9   |  |  |
| 1,000       | 7.41                | 6.80    | 6,021.26     | 6,427.90  | 406.64       | 6.8%      | 388.49  | 6.5%        |   |  |  |

| 2" Meters |             |       |           |      |           | Monthly Bil | l Analysis   |             |                              |            |  |
|-----------|-------------|-------|-----------|------|-----------|-------------|--------------|-------------|------------------------------|------------|--|
|           | Per Unit    |       |           |      | Total Cu  | mulative    |              | Monthly A   | verage Use =                 |            |  |
|           | Projected P |       |           |      |           | Projected   |              |             |                              |            | <ul> <li>The purpose of this analysis</li> </ul>   |
|           | Cu          | rrent | _ 2       | 018  | Current   | 2018        | Total In     | crease      | Commodit                     | y Increase | is to assess the likely  |
| RTS       |             |       |           |      | \$ 178.11 | \$ 207.52   | \$ 29.41     | 16.5%       |                              |            | relativity of fiscal impacts to  |
| Commodity | /           |       |           |      |           |             |              |             |                              |            | VWD's customers from the   |
| 1         | \$          | 3.08  | \$        | 3.50 | 181.19    | 211.02      | 29.83        | 16.5%       | \$ 0.42                      | 13.6%      | rate structure change  |
| 2         |             | 3.08  |           | 3.50 | 184.27    | 214.52      | 30.24        | 16.4%       | 0.84                         | 13.6%      | _  |
| 4         |             | 3.08  |           | 3.50 | 190.43    | 221.52      | 31.09        | 16.3%       | 1.68                         | 13.6%      | presented to the Board at  |
| 6         |             | 4.12  |           | 3.50 | 197.63    | 228.52      | 30.89        | 15.6%       | 1.48                         | 7.6%       | the February 15 <sup>th</sup> meeting.   |
| 10        |             | 4.12  |           | 3.50 | 214.11    | 242.52      | 28.41        | 13.3%       | (1.00)                       | -2.8%      | <ul> <li>Staff is in no way proposing</li> </ul>   |
| 30        |             | 4.12  |           | 3.50 | 296.51    | 312.52      | 16.01        | 5.4%        | (13.40)                      | -11.3%     | or inferring rate  |
| 65        |             | 4.12  |           | 4.39 | 440.71    | 435.91      | (4.81)       | -1.1%       | (34.21)                      | -13.0%     |  |
| 100       | _           | 4.12  |           | 4.39 | 584.91    | 589.56      | 4.64         | 0.8%        | (24.76)                      | -6.1%      | determination at this point.   |
| 243       |             | 5.33  |           | 4.39 | 1,175.28  | 1,217.33    | 42.04        | 3.6%        | 12.64                        | 1.3%       | <ul> <li>Had the last rate study been</li> </ul>   |
| 337       |             | 5.33  |           | 6.80 | 1,676.30  | 1,632.40    | (43.91)      | -2.6%       | (73.31)                      | -4.9%      | adopted, the average   |
| 807       |             | 7.41  |           | 6.80 | 4,183.48  | 4,828.40    | 644.92       | 15.4%       | 615.51                       | 15.4%      |  |
| 2,000     |             | 7.41  |           | 6.80 | 13,023.61 | 12,940.80   | (82.82)      | -0.6%       | (112.22)                     | -0.9%      | customer would have seen a   |
| 011.04    |             |       |           |      |           |             |              |             |                              |            | 5% increase, but other   |
| 3" Meters |             |       |           |      |           | Monthly Bil | l Analysis   |             |                              |            | customers could have   |
| Per Unit  |             |       | Total Cu  |      |           | Monthly A   | verage Use = | = 778 units | experience as much as a      |            |  |
|           | Projected   |       | Projected |      |           |             |              |             | 60% increase, while others a |            |  |
|           | Cu          | rrent | 2         | 018  | Current   | 2018        | Incre        |             | Commodit                     | y Increase | significant reduction.   |
| RTS       |             |       |           |      | \$ 356.22 | \$ 317.80   | \$ (38.42)   | -10.8%      |                              |            | . The state of the |
| Commodity | _           |       |           |      |           |             |              |             |                              |            | <ul> <li>The revenue requirement</li> </ul>  |
| 1         | \$          | 3.08  | \$        | 3.50 | 359.30    | 321.30      | (38.00)      | -10.6%      | -                            | 0.2%       | used for "Projected 2018"  |
| 2         |             | 3.08  |           | 3.50 | 362.38    | 324.80      | (37.58)      | -10.4%      | 0.84                         | 0.5%       | was projected one year ago   |
| 4         |             | 3.08  |           | 3.50 | 368.54    | 331.80      | (36.74)      | -10.0%      | 1.68                         | 0.9%       | during the last budget   |
| 6         |             | 4.12  |           | 3.50 | 375.74    | 338.80      | (36.94)      | -9.8%       | 1.48                         | 0.7%       |  |
| 50        |             | 4.12  |           | 3.50 | 557.02    | 492.80      | (64.22)      | -11.5%      | (25.80)                      | -6.8%      | process.   |
| 100       |             | 4.12  |           | 3.50 | 763.02    | 667.80      | (95.22)      | -12.5%      | (56.80)                      | -9.7%      | Current year baaget  |
| 336       |             | 4.12  |           | 4.39 | 1,735.34  | 1,494.69    | (240.65)     | -13.9%      | (202.23)                     | -13.0%     | numbers will be entered into   |
| 500       |             | 4.12  |           | 4.39 | 2,411.02  | 2,214.65    | (196.37)     | -8.1%       |                              | -7.1%      | the new rate model as the  |
| 1,134     |             | 5.33  |           | 4.39 | 5,024.31  | 4,997.91    | (26.40)      | -0.5%       | 12.02                        | 0.2%       |  |
| 1,198     |             | 5.33  |           | 6.80 | 5,365.43  | 5,281.28    | (84.15)      | -1.6%       | (45.73)                      | -0.9%      | budget process evolves.  |
| 3,971     |             | 7.41  |           | 6.80 | 20,147.60 | 24,137.68   | 3,990.08     | 19.8%       | 4,028.50                     | 20.2%      | 10   |
| 5,000     |             |       |           |      |           | ,           | 3,362.39     |             | .,                           | 12.3%      |  |