## Budget & Water Rate with and without Economic Development Rate

<table>
<thead>
<tr>
<th>Year</th>
<th>Budget Water Sales</th>
<th>Actual Water Sales</th>
<th>Water Revenue Loss*</th>
<th>Actual Niagara Revenue</th>
<th>Additional Niagara Revenue with Economic Development Rate (@1.8 mgd)</th>
<th>Adopted Water Rate ($/ccf)</th>
<th>Water Rate % Increase</th>
<th>Water Rate with the effect of increased water sales ($/ccf)**</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017</td>
<td>$55,400,000</td>
<td>$51,184,432</td>
<td>$4,215,568</td>
<td>$440,494</td>
<td>$1,505,777</td>
<td>$2.77</td>
<td>-</td>
<td>$2.69</td>
</tr>
<tr>
<td>2018</td>
<td>$57,776,200</td>
<td>$54,557,459</td>
<td>$3,218,741</td>
<td>$619,117</td>
<td>$1,587,125</td>
<td>$3.14</td>
<td>13.3%</td>
<td>$3.05</td>
</tr>
<tr>
<td>2019</td>
<td>$63,902,000</td>
<td>$61,054,831</td>
<td>$2,847,169</td>
<td>$1,017,590</td>
<td>$1,441,597</td>
<td>$3.50</td>
<td>11.5%</td>
<td>$3.40</td>
</tr>
<tr>
<td>2020 Adopted</td>
<td>$70,380,000</td>
<td>$70,380,000</td>
<td>-</td>
<td>$0</td>
<td>$1,524,253</td>
<td>$3.97</td>
<td>13.4%</td>
<td>$3.85</td>
</tr>
</tbody>
</table>

*Water Use Sales only

**Increases effecting rate increase lower consumption, increase in debt service, medical contributions and property taxes

$25,571
$119,438
$145,009

If this economic rate was given in 2019 it would have resulted in less than a .01 cent increase in the water rate.
# 1.8 MGD – Annual Revenue Comparison

<table>
<thead>
<tr>
<th>2019 Revenue</th>
<th>Full Rate Applied</th>
<th>With Economic Dev. Rate After 600,000 GPD</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Water Revenue</strong></td>
<td><strong>Clean Water Program Revenue</strong></td>
<td><strong>Water Revenue</strong></td>
</tr>
<tr>
<td>$1,018,000</td>
<td>$1,192,000</td>
<td>$3,487,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td>$3,601,000</td>
</tr>
<tr>
<td><strong>Total Revenue</strong></td>
<td><strong>Total Revenue</strong></td>
<td><strong>Total Revenue</strong></td>
</tr>
<tr>
<td>$2,210,000</td>
<td>$7,088,000</td>
<td>$4,464,000 (63%)</td>
</tr>
</tbody>
</table>
## MDC & RWA Comparison

### Comparison of Average Annual Residential Water Bill

<table>
<thead>
<tr>
<th>MDC</th>
<th>RWA</th>
<th>MDC rate ($3.97/CCF)</th>
<th>RWA rate ($4.406/CCF)</th>
</tr>
</thead>
<tbody>
<tr>
<td>$179.76</td>
<td>$244.56</td>
<td>Customer Service Charge (Based Upon Meter Size)</td>
<td></td>
</tr>
<tr>
<td>$317.60</td>
<td>$352.48</td>
<td>Water Consumption Charge</td>
<td></td>
</tr>
<tr>
<td><strong>$497.36</strong></td>
<td><strong>$597.04</strong></td>
<td><strong>Total, Average Annual Residential Water Bill</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>20% RWA Higher than MDC</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Comparison of 1.8 MGD Industrial Customer

<table>
<thead>
<tr>
<th>MDC</th>
<th>RWA</th>
<th>MDC rate ($3.97/CCF)</th>
<th>RWA rate ($3.468/CCF)</th>
</tr>
</thead>
<tbody>
<tr>
<td>$9,253.92</td>
<td>$11,611.92</td>
<td>Customer Service Charge (Based Upon Meter Size)</td>
<td></td>
</tr>
<tr>
<td>$3,486,785.64</td>
<td>$3,045,887.31</td>
<td>Water Consumption Charge</td>
<td></td>
</tr>
<tr>
<td><strong>$3,496,039.56</strong></td>
<td><strong>$3,057,499.23</strong></td>
<td><strong>Total, Annual Industrial Water Bill</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>13% RWA Lower than MDC</strong></td>
<td></td>
</tr>
</tbody>
</table>

### With MDC & RWA Economic Development Rates Applied

<table>
<thead>
<tr>
<th>MDC</th>
<th>RWA</th>
<th>MDC rate ($3.97/CCF &amp; $3.18/CCF over 600,000 GPD)</th>
<th>RWA rate ($2.774/CCF with 20% Ec. Dev. Rate)</th>
</tr>
</thead>
<tbody>
<tr>
<td>$9,253.92</td>
<td>$11,611.92</td>
<td>Customer Service Charge (Based Upon Meter Size)</td>
<td></td>
</tr>
<tr>
<td>$3,024,198.35</td>
<td>$3,045,887.31</td>
<td>Water Consumption Charge</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>RWA 20% Reduction - Economic Dev. Rate</td>
<td></td>
</tr>
<tr>
<td><strong>$3,033,452.27</strong></td>
<td><strong>$2,445,999.38</strong></td>
<td><strong>Total, Annual Industrial Water Bill</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>19% RWA Lower than MDC</strong></td>
<td></td>
</tr>
</tbody>
</table>

### After 5 Years (RWA Economic Development Rate Ends)

<table>
<thead>
<tr>
<th>MDC</th>
<th>RWA</th>
<th>RWA &amp; MDC within 1%</th>
</tr>
</thead>
<tbody>
<tr>
<td>$3,033,452.27</td>
<td>$3,057,499.23</td>
<td></td>
</tr>
</tbody>
</table>
Comparison of Reduced Water Rates

Every other large water system in CT (30,000 or more services) has a reduced water rate

<table>
<thead>
<tr>
<th></th>
<th>Standard Residential Rate $/CCF</th>
<th>Reduced Rate $/CCF</th>
<th>Reduction at 600,000 GPD $ per year</th>
<th>Reduction at 900,000 GPD $ per year</th>
<th>Reduction at 1,350,000 GPD $ per year</th>
<th>Reduction at 1,800,000 GPD $ per year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metropolitan District</td>
<td>$ 3.97</td>
<td>$ 3.18</td>
<td>$</td>
<td>$ 154,187.55</td>
<td>$ 308,375.11</td>
<td>$ 462,562.66</td>
</tr>
<tr>
<td>Aquarion - Eastern Div.</td>
<td>$ 4.23</td>
<td>$ 2.08</td>
<td>$ 468,682.06</td>
<td>$ 940,977.80</td>
<td>$ 1,413,273.55</td>
<td>$ 1,885,569.29</td>
</tr>
<tr>
<td>CT Water Co.</td>
<td>$ 6.76</td>
<td>$ 5.03</td>
<td>$ 506,476.84</td>
<td>$ 844,128.07</td>
<td>$ 1,181,779.29</td>
<td>$ 1,519,430.52</td>
</tr>
<tr>
<td>Regional Water Auth.</td>
<td>$ 4.40</td>
<td>$ 3.46</td>
<td>$ 275,195.51</td>
<td>$ 458,659.18</td>
<td>$ 642,122.85</td>
<td>$ 825,586.52</td>
</tr>
</tbody>
</table>

**Additional Regional Water Economic Development Rate**
- New customers using over 500,000 gallons per year charged 80% of rate
- Increases to full rate after 5 years
- $2.77/CCF Reduced Rate for 8-inch Meter

**Other Water Utilities with Reduced Rates**
- New Britain Water Dept.
- Groton Utilities
- Jewett City Water Co.
- Southington Water Dept.
- Torrington Water Co.
- Watertown Fire District
- Winsted Water Works
- Cromwell Fire District
<table>
<thead>
<tr>
<th></th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2020</td>
</tr>
<tr>
<td>Water Rate* ($/ccf)</td>
<td>$3.97</td>
</tr>
<tr>
<td>Clean Water Project Charge ($/ccf) with Integrated Plan (Loan only on rehabilitation)</td>
<td>$4.10</td>
</tr>
<tr>
<td>Total Effective Water Rate ($/CCF)</td>
<td>$8.07</td>
</tr>
</tbody>
</table>

* assume 10% annual increase