$125.5 Billion - Record Spending on Municipal Water and Sewer by Cities in 2017

A Review of Local Government Spending from 1993 to 2017

The United States Conference of Mayors

November 1, 2019
$125.5 Billion - Record Spending on Municipal Water and Sewer by Cities in 2017

2017 Local Government Expenditure on Water and Sewer

$125.5 Billion

That is:

$14.3 Million every Hour
$343.8 Million every Day
$2.4 Billion every Week
$10.4 Billion every Month
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Local Government Investment in Water and Sewer Systems, 1993-2017

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Local Government Water and Sewer Expenditures, 1993-2017

- 25 Years of Local Government Investment
  - $2.12 Trillion Dollars
  - $1.18 Trillion for Water (56%)
  - $ 938 Billion for Sewer (44%)

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Mayors’ Water Council
### $125.5 Billion - Record Spending on Municipal Water and Sewer by Cities in 2017

<table>
<thead>
<tr>
<th>Investment</th>
<th>2016 ($ Thousands)</th>
<th>2017 ($ Thousands)</th>
<th>Year Over Year Growth (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>69,311,835</td>
<td>70,219,713</td>
<td>1.31</td>
</tr>
<tr>
<td>Sewer</td>
<td>54,381,261</td>
<td>55,281,973</td>
<td>1.65</td>
</tr>
<tr>
<td>Total</td>
<td>123,693,102</td>
<td>125,501,688</td>
<td></td>
</tr>
</tbody>
</table>
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Change in Water and Sewer Expenditures, 1993-2017

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25-Year Average and Median % Change in Water and Sewer Expenditures, 1993-2017

<table>
<thead>
<tr>
<th></th>
<th>Water (%)</th>
<th>Sewer (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average</td>
<td>4.5</td>
<td>4.1</td>
</tr>
<tr>
<td>1 Standard Deviation</td>
<td>3.3</td>
<td>4.6</td>
</tr>
<tr>
<td>Median</td>
<td>3.2</td>
<td>4.5</td>
</tr>
</tbody>
</table>
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Average and Median % Change in Water and Sewer Expenditures, 1993-2017

- Water expenditures are trending to a 4% average increase a year based on 25 years 1993-2017.
  - During this period increased water spending ranged between 1.2% and 7.8% more than two-thirds of the time.

- The 2017 increase from 2016 is 1.3%, and the trend continues the decline in growth from the 25-year average 4%.
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Average and Median % Change in Water and Sewer Expenditures, 1993-2017

- Sewer expenditures also are trending toward an average 4% growth annually.
  - Sewer spending exhibits a wide annual variability ranging from negative to about 9% two-thirds of the time.

- The 2017 increase from 2016 is 1.65%, and the trend continues the decline in growth from the 25-year average 4%.

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Change in Water and Sewer Revenues, 1993-2017

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Change in Water and Sewer Revenues, 1993-2017

- Water and sewer revenues generally change in a range between 2% and 8% a year for the 25-year period 1993 to 2017.

- The trend line for both Water and Sewer suggest that revenues may be growing at just under 4% a year, with some variation.