Overview
2020 Rate-Based Budget
Water & Wastewater
Water & Wastewater

• Efficient and Effective Operation of the Facilities
  o Process control, Asset Management/Maintenance, Utility Monitoring and Control
Process Control

2018 - 2019 Total Ammonia mg/l

<table>
<thead>
<tr>
<th>MONTH</th>
<th>2018</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>JANUARY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FEBRUARY</td>
<td>7.99</td>
<td></td>
</tr>
<tr>
<td>MARCH</td>
<td>1.33</td>
<td></td>
</tr>
<tr>
<td>APRIL</td>
<td>3.96</td>
<td></td>
</tr>
<tr>
<td>MAY</td>
<td>2.72</td>
<td></td>
</tr>
<tr>
<td>JUNE</td>
<td>0.99</td>
<td></td>
</tr>
<tr>
<td>JULY</td>
<td>0.51</td>
<td></td>
</tr>
<tr>
<td>AUGUST</td>
<td>0.89</td>
<td></td>
</tr>
<tr>
<td>SEPTEMBER</td>
<td>0.55</td>
<td></td>
</tr>
<tr>
<td>OCTOBER</td>
<td>0.69</td>
<td></td>
</tr>
<tr>
<td>NOVEMBER</td>
<td>1.21</td>
<td></td>
</tr>
<tr>
<td>DECEMBER</td>
<td>0.51</td>
<td></td>
</tr>
</tbody>
</table>

Midland
Process Control

2018 - 2019 E-Coli 200 col/100ml

- 2018
  - January: 113
  - February: 40
  - March: 2
  - April: 5
  - May: 2

- 2019
  - January: 11
  - February: 4
  - March: 9
  - April: 3
  - May: 4
  - June: 2
• Protection of Public Health / Environment
  o Legislative Sampling, Security of the facilities, Asset Integrity
Wastewater

- Protection of Public Health / Environment
  - Legislative Sampling, Security of the facilities, Asset Integrity
• Implement Service Improvements
  o Asset Management Maintenance and Renewal
  o Procedural Review (sop)
Wastewater

• Implement Service Improvements
  o Asset Management Maintenance and Renewal
  o Operations of the linear wastewater assets
  o Procedural Review (sop)
Operational Savings
Water & Wastewater

• Employee Development
  ○ Enhance technical skills, Legislative Training, Health and Safety, Conferences/Networking
Water & Wastewater Financial
2019 Forecast

Revenue as predicted
Operations Water Wastewater 2019
Financial Plan
Within BUDGET
2020 Operating Budget Plan Pressures

- Chemical increases greater than inflation
- Expand Collection System Program
- Re-Initiate Valve Program
- Addition of Backwater Valve Program
- Improved Sanitary Lateral Program

1.2 % INCREASE OVER 2019
Water Reserve Fund Analysis

Assumptions:
- 5% rate increase for 5 years
- $13.7 million new debt
Wastewater Asset Age
Wastewater Asset Replacement

Asset Replacement Schedule

Expenditures ($) over time from 2017 to 2116, showing the planned expenditures for different asset categories (Pipes, Manhole, Structures, Storage, Pumping) and the annual cost of sustainable ownership.
Wastewater Reserve Fund Analysis

Assumptions:
- 4% rate increase for 13 years
- $12.8 million new debt
**Recommendation**

- Increase the 2020 water rates by 5%
- Increase the 2020 wastewater rates by 4%

<table>
<thead>
<tr>
<th></th>
<th>2019</th>
<th>Water 2020</th>
<th>Increase</th>
<th>2019</th>
<th>Wastewater 2020</th>
<th>Increase</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monthly Fixed Fee</td>
<td>$11.05</td>
<td>$11.60</td>
<td>5%</td>
<td>$12.95</td>
<td>$13.47</td>
<td>4%</td>
</tr>
<tr>
<td>Variable Charge / m3</td>
<td>$1.48</td>
<td>$1.55</td>
<td>5%</td>
<td>$1.75</td>
<td>$1.82</td>
<td>4%</td>
</tr>
<tr>
<td>Typical User</td>
<td>$384.20</td>
<td>$403.41</td>
<td>5%</td>
<td>$452.90</td>
<td>$471.02</td>
<td>4%</td>
</tr>
</tbody>
</table>

**Weekly impact**

Water = $0.37/week   Wastewater = $0.35/week
Municipal Comparison of Water & Wastewater Rates

<table>
<thead>
<tr>
<th>Municipal</th>
<th>Monthly Sewer</th>
<th>Monthly Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Penetanguishene</td>
<td>$41.78</td>
<td>$21.00</td>
</tr>
<tr>
<td>Orillia</td>
<td>$34.72</td>
<td>$30.52</td>
</tr>
<tr>
<td>Tiny</td>
<td>0</td>
<td>$66.10</td>
</tr>
<tr>
<td>Midland (2020 Proposed)</td>
<td>$38.95</td>
<td>$33.30</td>
</tr>
<tr>
<td>Clearview Township</td>
<td>$36.46</td>
<td>$45.86</td>
</tr>
<tr>
<td>Collingwood</td>
<td>$63.90</td>
<td>$31.80</td>
</tr>
<tr>
<td>Innisfil</td>
<td>$37.85</td>
<td>$53.14</td>
</tr>
<tr>
<td>Barrie</td>
<td>$57.23</td>
<td>$41.29</td>
</tr>
<tr>
<td>Tay Township</td>
<td>$70.08</td>
<td>$69.42</td>
</tr>
</tbody>
</table>

Legend:
- Monthly Water
- Monthly Sewer
Water/Wastewater
-Motions-