Allocation of Water Delivery / System Development / Pump Stations Value to Impact Fee

Total available capacity for Low Service Area is 62.6 mgd

- 2018 Capacity = 526.8 mgd
- Existing Available Capacity = 2018 Capacity − 2018 MHD
- Existing Available Capacity = 526.8 mgd − 467.7 mgd = 59.1 mgd
- Future CIP Capacity = 3.5 mgd
- Total Available Capacity = Existing Available Capacity + Future CIP Capacity
- Total Available Capacity = 59.1 mgd + 3.5 mgd = 62.6 mgd

Impact fee eligible allocation for Low Service Area is 100%

- Allocation = \( \frac{\text{Study Period Demand}}{\text{Total Available Capacity}} \)
- Allocation = \( \frac{75.1 \text{ mgd}}{62.6 \text{ mgd}} = 120.0\% \)
Allocation of Water Delivery / System Development / Elevated Storage Tanks Value to Impact Fee

Allocation is based on TCEQ requirements

- TCEQ requires minimum 100 gallons per connection of EST capacity, but WIP may recommend a higher minimum for each service area
- $1 \text{ connection} = 1.54 \text{ EDUs}$
- $\text{EST Capacity Requirement} = \text{Minimum gal/conn} \times \frac{\text{No. EDUs}}{1.54}$
- $\text{Study Period Requirement} = 2028 \text{ EST Capacity Requirement} - 2018 \text{ EST Capacity Requirement}$
High Service Area Study Period Requirement

- 2018 EST Capacity Requirement = \(345 \frac{\text{gal}}{\text{conn}} \times \frac{23,755 \text{ EDU}}{1.54} = 5.3 \text{ MG}\)
- 2028 EST Capacity Requirement = \(298 \frac{\text{gal}}{\text{conn}} \times \frac{30,600 \text{ EDU}}{1.54} = 5.9 \text{ MG}\)
- Study Period Requirement = 5.9 MG – 5.3 MG = 0.6 MG
Total available capacity for High Service Area is 5.1 MG

- \(2018 \text{ Capacity} = 5.4 \text{ MG}\)
- \(\text{Existing Available Capacity} = 2018 \text{ Capacity} - 2018 \text{ EST Capacity Requirement}\)
- \(\text{Existing Available Capacity} = 5.4 \text{ MG} - 5.3 \text{ MG} = 0.1 \text{ MG}\)
- \(\text{Future CIP Capacity} = 5.0 \text{ MG}\)
- \(\text{Total Available Capacity} = \text{Existing Available Capacity} + \text{Future CIP Capacity}\)
- \(\text{Total Available Capacity} = 0.1 \text{ MG} + 5.0 \text{ MG} = 5.1 \text{ MG}\)

Impact fee eligible allocation for High Service Area is 11.9%

- \(\text{Allocation} = \frac{\text{Study Period Requirement}}{\text{Total Available Capacity}}\)
- \(\text{Allocation} = \frac{0.6 \text{ MG}}{5.1 \text{ MG}} = 11.9\%\)
Allocation of Water Delivery / System Development / Elevated Storage Tanks Value to Impact Fee

Middle Service Area Study Period Requirement

- 2018 EST Capacity Requirement = $198 \frac{gal}{conn} \times \frac{262,228 \text{ EDU}}{1.54} = 33.7 \text{ MG}$
- 2028 EST Capacity Requirement = $196 \frac{gal}{conn} \times \frac{318,707 \text{ EDU}}{1.54} = 40.6 \text{ MG}$
- Study Period Requirement = $40.6 \text{ MG} - 33.7 \text{ MG} = 6.9 \text{ MG}$
Allocation of Water Delivery / System Development / Elevated Storage Tanks Value to Impact Fee

Total available capacity for Middle Service Area is 9.9 MG

- 2018 Capacity = 40.6 MG
- Existing Available Capacity = 2018 Capacity – 2018 EST Capacity Requirement
- Existing Available Capacity = 40.6 MG – 33.7 MG = 6.9 MG
- Future CIP Capacity = 3.0 MG
- Total Available Capacity = Existing Available Capacity + Future CIP Capacity
- Total Available Capacity = 6.9 MG + 3.0 MG = 9.9 MG

Impact fee eligible allocation for Middle Service Area is 69.0%

- Allocation = \( \frac{\text{Study Period Requirement}}{\text{Total Available Capacity}} \)
- Allocation = \( \frac{6.9 \text{ MG}}{9.9 \text{ MG}} \) = 69.0%
Allocation of Water Delivery / System Development / Elevated Storage Tanks Value to Impact Fee

Low Service Area Study Period Requirement

- 2018 EST Capacity Requirement = \( 144 \frac{gal}{conn} \times \frac{488,639 \text{ EDU}}{1.54} = 45.7 \text{ MG} \)
- 2028 EST Capacity Requirement = \( 142 \frac{gal}{conn} \times \frac{567,086 \text{ EDU}}{1.54} = 52.3 \text{ MG} \)
- Study Period Requirement = 52.3 MG – 45.7 MG = 6.6 MG
Allocation of Water Delivery / System Development / Elevated Storage Tanks Value to Impact Fee

Total available capacity for Low Service Area is 7.0 MG

- 2018 Capacity = 48.2 MG
- Existing Available Capacity = 2018 Capacity − 2018 EST Capacity Requirement
- Existing Available Capacity = 48.2 MG − 45.7 MG = 2.5 MG
- Future CIP Capacity = 4.5 MG
- Total Available Capacity = Existing Available Capacity + Future CIP Capacity
- Total Available Capacity = 2.5 MG + 4.5 MG = 7.0 MG

Impact fee eligible allocation for Low Service Area is 94.1%

- Allocation = \( \frac{\text{Study Period Requirement}}{\text{Total Available Capacity}} \)
- Allocation = \( \frac{6.6 \text{ MG}}{7.0 \text{ MG}} \) = 94.1%
Allocation is based on TCEQ requirements

- TCEQ requires minimum 200 gallons per connection of storage capacity, but WIP may recommend a higher minimum for each service area
- \(1 \text{ connection} = 1.54 \text{ EDUs}\)
- \(GST \text{ Capacity Requirement} = \text{Minimum gal}/\text{conn} \times \frac{\text{No. EDUs}}{1.54}\)
- \(Study \text{ Period Requirement} = 2028 \text{ GST Capacity Requirement} - 2018 \text{ GST Capacity Requirement}\)
 Allocation of Water Delivery / System Development / Ground Storage Tanks Value to Impact Fee

High Service Area Study Period Requirement

- 2018 GST Capacity Requirement = \( 2 \frac{\text{gal}}{\text{conn}} \times 23,755 \text{ EDU} = 0.03 \text{ MG} \)
- 2028 GST Capacity Requirement = \( 4 \frac{\text{gal}}{\text{conn}} \times 30,600 \text{ EDU} = 0.08 \text{ MG} \)
- Study Period Requirement = 0.08 MG − 0.03 MG = 0.05 MG
Allocation of Water Delivery / System Development / Ground Storage Tanks Value to Impact Fee

Total available capacity for High Service Area is 10.8 MG

- **2018 Capacity** = 10.8 MG
- **Existing Available Capacity** = 2018 Capacity − 2018 GST Capacity Requirement
- **Existing Available Capacity** = 10.8 MG − 0.03 MG = 10.8 MG
- **Future CIP Capacity** = 0.0 MG
- **Total Available Capacity** = Existing Available Capacity + Future CIP Capacity
- **Total Available Capacity** = 10.8 MG + 0.0 MG = 10.8 MG

Impact fee eligible allocation for High Service Area is 0.5%

- **Allocation** = \( \frac{Study\ Period\ Requirement}{Total\ Available\ Capacity} \)
- **Allocation** = \( \frac{0.05\ MG}{10.8\ MG} \) = 0.5%
Allocation of Water Delivery / System Development / Ground Storage Tanks Value to Impact Fee

Middle Service Area Study Period Requirement

- **2018 GST Capacity Requirement** = \(2 \frac{\text{gal}}{\text{conn}} \times \frac{262,228 \text{ EDU}}{1.54} = 0.3 \text{ MG}\)
- **2028 GST Capacity Requirement** = \(4 \frac{\text{gal}}{\text{conn}} \times \frac{318,707 \text{ EDU}}{1.54} = 0.8 \text{ MG}\)
- **Study Period Requirement** = \(0.8 \text{ MG} - 0.3 \text{ MG} = 0.5 \text{ MG}\)
Allocation of Water Delivery / System Development / Ground Storage Tanks Value to Impact Fee

Total available capacity for Middle Service Area is 79.7 MG

- 2018 Capacity = 67.5 MG
- Existing Available Capacity = 2018 Capacity − 2018 GST Capacity Requirement
- Existing Available Capacity = 67.5 MG − 0.3 MG = 67.2 MG
- Future CIP Capacity = 12.5 MG
- Total Available Capacity = Existing Available Capacity + Future CIP Capacity
- Total Available Capacity = 67.2 MG + 12.5 MG = 79.7 MG

Impact fee eligible allocation for Middle Service Area is 0.6%

- Allocation = \( \frac{Study \ Period \ Requirement}{Total \ Available \ Capacity} \)
- Allocation = \( \frac{0.5 \ MG}{79.7 \ MG} = 0.6\% \)
Low Service Area Study Period Requirement

- 2018 GST Capacity Requirement = \( 56 \frac{gal}{conn} \times \frac{488,639 \text{ EDU}}{1.54} = 17.8 \text{ MG} \)
- 2028 GST Capacity Requirement = \( 58 \frac{gal}{conn} \times \frac{567,086 \text{ EDU}}{1.54} = 21.4 \text{ MG} \)
- Study Period Requirement = 21.4 MG − 17.8 MG = 3.6 MG
Allocation of Water Delivery / System Development / Ground Storage Tanks Value to Impact Fee

Total available capacity for Low Service Area is 83.8 MG

- 2018 Capacity = 100.6 MG
- Existing Available Capacity = 2018 Capacity – 2018 EST Capacity Requirement
- Existing Available Capacity = 100.6 MG – 17.8 MG = 82.8 MG
- Future CIP Capacity = 1.0 MG
- Total Available Capacity = Existing Available Capacity + Future CIP Capacity
- Total Available Capacity = 82.8 MG + 1.0 MG = 83.8 MG

Impact fee eligible allocation for Low Service Area is 4.3%

- Allocation = \( \frac{\text{Study Period Requirement}}{\text{Total Available Capacity}} \)
- Allocation = \( \frac{3.6 \text{ MG}}{83.8 \text{ MG}} \) = 4.3%
## Water Delivery / System Development CIP – Eligible Value

<table>
<thead>
<tr>
<th>Component</th>
<th>Service Area</th>
<th>Total Cost</th>
<th>Eligible %</th>
<th>Eligible Cost*</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Pump Stations</strong></td>
<td>High</td>
<td>$9,658,653</td>
<td>16.0%</td>
<td>$1,546,750</td>
</tr>
<tr>
<td></td>
<td>Middle</td>
<td>53,156,107</td>
<td>25.3%</td>
<td>13,427,334</td>
</tr>
<tr>
<td></td>
<td>Low</td>
<td>15,416,184</td>
<td>100%</td>
<td>15,416,184</td>
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<tr>
<td><strong>Ground Storage</strong></td>
<td>High</td>
<td>3,932,000</td>
<td>0.5%</td>
<td>17,802</td>
</tr>
<tr>
<td></td>
<td>Middle</td>
<td>50,764,907</td>
<td>0.6%</td>
<td>310,422</td>
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<tr>
<td></td>
<td>Low</td>
<td>33,579,280</td>
<td>4.3%</td>
<td>1,437,295</td>
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<tr>
<td><strong>Elevated Storage</strong></td>
<td>High</td>
<td>14,094,838</td>
<td>11.9%</td>
<td>1,679,513</td>
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<tr>
<td></td>
<td>Middle</td>
<td>14,356,580</td>
<td>69.0%</td>
<td>9,905,187</td>
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<tr>
<td></td>
<td>Low</td>
<td>20,219,244</td>
<td>94.1%</td>
<td>19,035,339</td>
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<tr>
<td><strong>Well Pumps</strong></td>
<td>All</td>
<td>48,265,475</td>
<td>42.5%</td>
<td>20,490,786</td>
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<tr>
<td><strong>Transmission</strong></td>
<td>High</td>
<td>26,236,448</td>
<td>16.0%</td>
<td>4,201,540</td>
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<tr>
<td></td>
<td>Middle</td>
<td>102,346,712</td>
<td>25.3%</td>
<td>25,852,975</td>
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<tr>
<td></td>
<td>Low</td>
<td>13,052,318</td>
<td>100%</td>
<td>13,052,318</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td>$405,078,745</td>
<td>31.2%</td>
<td>$126,373,445</td>
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</tbody>
</table>

* Costs shown do not include financing charges.
Questions?