

**Town of Thompson's Station
 System Development Charge Analysis - Incremental Approach
 Period Ending June 2018
 Summary
 \$20MM Projected Investment
 Actual Consumption**

| Incremental Approach | |
|---|----------------------|
| Annual Residential Sales (Gals) | 85,481,600 |
| Annual Residential Billings | 17,448 |
| Monthly Volume/Customer (Gals) | 4,899 |
| Annual Volume/Customer (Gals) | 58,791 |
| | |
| 530,000 gallons Additional Daily Capacity | 193,450,000 |
| | |
| Equivalent Residential Units (ERU) | 3,290 |
| | |
| Projected Growth Related Investment in Plant | \$ 20,000,000 |
| Projected Interest Expense on Long Term Debt | \$ 10,356,250 |
| Projected Cost of Capacity Related Investment | <u>\$ 30,356,250</u> |
| | |
| Average Investment/ERU | \$ 9,225 |

| Meter Size (Inches) | Multiplier | Fee |
|---------------------|------------|------------|
| 3/4 | 1.00 | \$ 9,225 |
| 1 | 1.33 | \$ 12,301 |
| 1 1/2 | 2.00 | \$ 18,451 |
| 2 | 2.67 | \$ 24,601 |
| 3 | 4.00 | \$ 36,902 |
| 4 | 5.33 | \$ 49,202 |
| 6 | 8.00 | \$ 73,804 |
| 8 | 10.67 | \$ 98,405 |
| 10 | 13.33 | \$ 123,006 |
| 12 | 16.00 | \$ 147,607 |

| Maximum Rated Flow GPM | Meter Size | Multiplier | Fee |
|------------------------|------------|------------|--------------|
| 30 | 3/4 | 1.00 | \$ 9,225 |
| 50 | 1 | 1.67 | \$ 15,376 |
| 100 | 1 1/2 | 3.33 | \$ 30,752 |
| 160 | 2 | 5.33 | \$ 49,202 |
| 320 | 3 | 10.67 | \$ 98,405 |
| 500 | 4 | 16.67 | \$ 153,758 |
| 1,000 | 6 | 33.33 | \$ 307,515 |
| 1,600 | 8 | 53.33 | \$ 492,024 |
| 4,200 | 10 | 140.00 | \$ 1,291,563 |
| 5,300 | 12 | 176.67 | \$ 1,629,830 |

Town of Thompson's Station
System Development Charge Analysis - Incremental Approach
Summary
\$20MM Projected Investment
250 Gallons/Day/ERU

| Incremental Approach | |
|---|----------------------|
| Daily Volume/ERU | 225 |
| 530,000 gallons Additional Daily Capacity | 530,000 |
| Equivalent Residential Units (ERU) | 2,356 |
| Projected Growth Related Investment in Plant | \$ 20,000,000 |
| Projected Interest Expense on Long Term Debt | \$ 10,356,250 |
| Projected Cost of Capacity Related Investment | <u>\$ 30,356,250</u> |
| Average Investment/ERU | \$ 12,887 |

| Meter Size (Inches) | Multiplier | Fee |
|---------------------|------------|------------|
| 3/4 | 1.00 | \$ 12,887 |
| 1 | 1.33 | \$ 17,183 |
| 1 1/2 | 2.00 | \$ 25,774 |
| 2 | 2.67 | \$ 34,366 |
| 3 | 4.00 | \$ 51,548 |
| 4 | 5.33 | \$ 68,731 |
| 6 | 8.00 | \$ 103,097 |
| 8 | 10.67 | \$ 137,462 |
| 10 | 13.33 | \$ 171,828 |
| 12 | 16.00 | \$ 206,193 |

| Maximum Rated Flow GPM | Meter Size | Multiplier | Fee |
|------------------------|------------|------------|--------------|
| 30 | 3/4 | 1.00 | \$ 12,887 |
| 50 | 1 | 1.67 | \$ 21,478 |
| 100 | 1 1/2 | 3.33 | \$ 42,957 |
| 160 | 2 | 5.33 | \$ 68,731 |
| 320 | 3 | 10.67 | \$ 137,462 |
| 500 | 4 | 16.67 | \$ 214,785 |
| 1,000 | 6 | 33.33 | \$ 429,570 |
| 1,600 | 8 | 53.33 | \$ 687,311 |
| 4,200 | 10 | 140.00 | \$ 1,804,192 |
| 5,300 | 12 | 176.67 | \$ 2,276,719 |

**Town of Thompson's Station
System Development Charge Analysis - Incremental Approach
Summary
\$20MM Projected Investment
250 Gallons/Day/ERU**

| Incremental Approach | |
|---|----------------------|
| Daily Volume/ERU | 250 |
| 530,000 gallons Additional Daily Capacity | 530,000 |
| Equivalent Residential Units (ERU) | 2,120 |
| Projected Growth Related Investment in Plant | \$ 20,000,000 |
| Projected Interest Expense on Long Term Debt | \$ 10,356,250 |
| Projected Cost of Capacity Related Investment | <u>\$ 30,356,250</u> |
| Average Investment/ERU | \$ 14,319 |

| Meter Size (Inches) | Multiplier | Fee |
|---------------------|------------|------------|
| 3/4 | 1.00 | \$ 14,319 |
| 1 | 1.33 | \$ 19,092 |
| 1 1/2 | 2.00 | \$ 28,638 |
| 2 | 2.67 | \$ 38,184 |
| 3 | 4.00 | \$ 57,276 |
| 4 | 5.33 | \$ 76,368 |
| 6 | 8.00 | \$ 114,552 |
| 8 | 10.67 | \$ 152,736 |
| 10 | 13.33 | \$ 190,920 |
| 12 | 16.00 | \$ 229,104 |

| Maximum Rated Flow GPM | Meter Size | Multiplier | Fee |
|------------------------|------------|------------|--------------|
| 30 | 3/4 | 1.00 | \$ 14,319 |
| 50 | 1 | 1.67 | \$ 23,865 |
| 100 | 1 1/2 | 3.33 | \$ 47,730 |
| 160 | 2 | 5.33 | \$ 76,368 |
| 320 | 3 | 10.67 | \$ 152,736 |
| 500 | 4 | 16.67 | \$ 238,650 |
| 1,000 | 6 | 33.33 | \$ 477,300 |
| 1,600 | 8 | 53.33 | \$ 763,679 |
| 4,200 | 10 | 140.00 | \$ 2,004,658 |
| 5,300 | 12 | 176.67 | \$ 2,529,687 |

Town of Thompson's Station
System Development Charge Analysis - Incremental Approach
Summary
\$20MM Projected Investment
350 Gallons/Day/ERU

| Incremental Approach | |
|---|----------------------|
| Daily Volume/ERU | 350 |
| 530,000 gallons Additional Daily Capacity | 530,000 |
| Equivalent Residential Units (ERU) | 1,514 |
| Projected Growth Related Investment in Plant | \$ 20,000,000 |
| Projected Interest Expense on Long Term Debt | \$ 10,356,250 |
| Projected Cost of Capacity Related Investment | <u>\$ 30,356,250</u> |
| Average Investment/ERU | \$ 20,047 |

| Meter Size (Inches) | Multiplier | Fee |
|---------------------|------------|------------|
| 3/4 | 1.00 | \$ 20,047 |
| 1 | 1.33 | \$ 26,729 |
| 1 1/2 | 2.00 | \$ 40,093 |
| 2 | 2.67 | \$ 53,458 |
| 3 | 4.00 | \$ 80,186 |
| 4 | 5.33 | \$ 106,915 |
| 6 | 8.00 | \$ 160,373 |
| 8 | 10.67 | \$ 213,830 |
| 10 | 13.33 | \$ 267,288 |
| 12 | 16.00 | \$ 320,745 |

| Maximum Rated Flow GPM | Meter Size | Multiplier | Fee |
|------------------------|------------|------------|--------------|
| 30 | 3/4 | 1.00 | \$ 20,047 |
| 50 | 1 | 1.67 | \$ 33,411 |
| 100 | 1 1/2 | 3.33 | \$ 66,822 |
| 160 | 2 | 5.33 | \$ 106,915 |
| 320 | 3 | 10.67 | \$ 213,830 |
| 500 | 4 | 16.67 | \$ 334,110 |
| 1,000 | 6 | 33.33 | \$ 668,219 |
| 1,600 | 8 | 53.33 | \$ 1,069,151 |
| 4,200 | 10 | 140.00 | \$ 2,806,521 |
| 5,300 | 12 | 176.67 | \$ 3,541,562 |