

SUPERIOR METROPOLITAN DISTRICT NO. 1

Superior Metropolitan District (SMD) No. 1 provides water (potable and non-potable), waste water, and storm water service to residents within the Town of Superior. SMD No. 1 operates the water and waste water treatment plants and is pursuing securing water storage sufficient for the future needs of Superior residents. SMD No. 1 has debt financed the treatment plants, major infrastructure components and water rights. This enables users to have state of the art facilities and a secure water source while having development pay its appropriate share. The District's predominant water supply is Colorado-Big Thompson water shares through membership in the Northern Colorado Water Conservancy District (NCWCD) and the Windy Gap Project, which is a sub-district of the NCWCD.

In 2000, the members of the Town Board of Trustees began serving as members of the Board of Directors of Superior Metropolitan District No. 1 facilitating cooperation between the Town and the District. SMD No. 1 has an intergovernmental agreement with the Town to provide management services for the District. Departments within the water, waste water and storm water funds include:

Water

- Administration
- Water Supply
- Water Treatment
- Water Storage & Distribution
- Non- Departmental

Waste Water

- Administration
- Waste Water Collection
- Waste Water Treatment Plant
- Non- Departmental

Storm Water

- Administration
- Storm Drainage
- Non-Departmental

WATER - ADMINISTRATION

Program Description

This department provides services to residential and commercial water customers, manages consultant contracts for water plant operations, water distribution engineering and legal services. The department also maintains compliance with water regulatory requirements, prepares and calculates system development fees for new development projects, develops and administers water conservation programs, and participates in regional water industry projects and organizations.

Goals

- Percent of citizen complaints per month: Less than half a percent of all accounts.
- Provide a safe and reliable source of water to the community and promote conservation.
- Participate in the construction of the Windy Gap Firming Project (Chimney Reservoir) to increase the reliability of the yield of our junior water rights.
- Continue the development of our re-use system and pursue incentives for our customers that promote the use of water conservation technology and devices.
- Implement enhanced system maintenance programs including valve turning, hydrant flushing, and general preventative maintenance for the Water Treatment Plant.
- Implement and maintain a long term infrastructure condition assessment and management process.
- Strive to have monthly SMD1 utility costs be competitive when compared to neighboring utilities.

Performance Measures

| Description | 2012 | 2013 | 2014 |
|-----------------------------------|--------------------|----------------------|----------------------|
| Monthly utility accounts serviced | 3,615 ¹ | 3685 ² | 3,760 ² |
| Monthly disconnect notices | 165 ³ | 170 | 180 |
| Monthly water disconnects | 8 ⁴ | 7 | 6 |
| % of water quality standards met | 100% | 100% | 100% |
| Winter monthly water/sewer cost | | | |
| - Superior | \$46.48 | \$48.80 ⁵ | \$51.24 ⁵ |
| - Neighboring Utilities | \$42.58 | \$44.71 | \$46.84 |
| Summer monthly water/sewer cost | | | |
| - Superior | \$88.88 | \$93.32 ⁵ | \$97.99 ⁵ |
| - Neighboring Utilities | \$90.96 | \$95.50 | \$100.27 |

¹ Utility Billing Records

² Projected 2% growth per Master Plan

³ Average (Ranges from 150-185 per month)

⁴ Average (Ranges from 2-15 per month) Projections decrease as notices increase.

⁵ Based on 5% Fee increase for water and sewer service

Water Administration Expense (50-415)

| Acct # | Description | 2012 Actual | 2013 Budget | 2014 Budget | 2015 Projected Budget | 2016 Projected Budget | 2017 Projected Budget | 2018 Projected Budget |
|--------|-----------------------|-------------|-------------|-------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 2100 | Legal Services | \$3,103 | \$2,500 | \$2,500 | \$2,500 | \$2,500 | \$2,500 | \$2,500 |
| 2760 | GIS Services | 820 | 4,000 | 4,000 | 4,000 | 4,000 | 4,000 | 4,000 |
| 3100 | Telephone | 1,401 | 2,000 | 2,000 | 2,060 | 2,122 | 2,186 | 2,252 |
| 4200 | Memberships | 43 | 1,250 | 1,250 | 1,288 | 1,327 | 1,367 | 1,408 |
| 4300 | Training | 365 | 1,000 | 1,450 | 1,450 | 1,450 | 1,450 | 1,450 |
| 4310 | Travel & Expenses | 88 | 1,275 | 2,150 | 2,150 | 2,150 | 2,150 | 2,150 |
| 4400 | Printing and Binding | 1,463 | 2,000 | 2,500 | 2,500 | 2,500 | 2,500 | 2,500 |
| 4900 | Other Fees & Services | 1,850 | 600 | 600 | 600 | 600 | 600 | 600 |
| 5100 | Office Supplies | 2,439 | 2,800 | 2,250 | 1,318 | 1,358 | 1,649 | 1,448 |
| 5160 | Uniforms & Equipment | 1,137 | 2,000 | 2,000 | 2,060 | 2,122 | 2,186 | 2,252 |
| 6110 | Software | - | 500 | 500 | 515 | 530 | 546 | 562 |
| 8220 | Water Conservation | 23,101 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| | | \$35,810 | \$39,925 | \$41,200 | \$40,441 | \$40,659 | \$41,134 | \$41,122 |

WATER – SUPPLY

Program Description

The water supply division continues to diversify the Town's water portfolio with the constant review and management of the Town's water rights. Currently, the majority of the Town's water rights are in Colorado-Big Thompson, FRICO Community Ditch and Windy Gap shares. It is the continuous goal of the Board of Directors to ensure a reliable water supply to the residents of the Town of Superior.

Goals

- Maintain plans for meeting current and future water supply needs.
- Continue to work with Northern Colorado Water Conservancy District (NCWCD) and other agencies on the design and construction of the Windy Gap Reservoir Firming project.
- Optimize revenue opportunities through the leasing activity of surplus water supply as available.

Performance Measures

| Description | 2012 | 2013 | 2014 |
|-----------------------------|-------------|-----------------------------|---------------------|
| Water Supply Plan | No Data | Develop plan | Plan Implementation |
| Maintain Conservation Plan | No updates | Updates and revisions | Update |
| NCWCD Pump Station Upgrades | No Activity | New impellers for 3/3 pumps | Upgrade controls |

Water Rights

| Source | Amount | Avg. Yield, ac-ft. | Firm Yield, ac-ft. ² |
|------------------------|--------|--------------------|---------------------------------|
| CBT Units | 2,080 | 1,456 | 1,040 |
| Windy Gap ¹ | 15 | 1,283 | 1,283 |
| Ditch Shares | 8.96 | 67 | 67 |
| TOTAL | | 2,806 | 2,390 |

¹ Includes Firming Project

² Could be fixed at 0.7 AF/unit (1,456 ac-ft)

Demands, acre feet

| Type | 2012 ¹ | 2013 ² | 2014 ² |
|--------------------|-------------------|-------------------|-------------------|
| Potable | 1,504 | 1,534 | 1,565 |
| Raw ³ | 382 | 390 | 398 |
| Reuse ⁴ | 456 | 465 | 475 |
| TOTAL | 2,342 | 2,389 | 2,438 |

¹ Plant and Billing Records

² Projected based on 2% growth per Master Plan

³ Calculated (total non-potable of 838 – reuse)

⁴ WWTP Reuse water pump meter readings

Water Supply Expense (50-450)

| Acct # | Description | 2012 Actual | 2013 Budget | 2014 Budget | 2015 Projected Budget | 2016 Projected Budget | 2017 Projected Budget | 2018 Projected Budget |
|--------|---------------------------------|-------------|-------------|-------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 5520 | Windy Gap Carriage & Power | \$155,883 | \$161,700 | \$175,000 | \$180,250 | \$185,658 | \$191,228 | \$196,965 |
| 5530 | CBT Assessment | 54,995 | 56,000 | 56,000 | 56,000 | 56,000 | 56,000 | 56,000 |
| 5541 | FRICO Assessment | 1,471 | 3,000 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 |
| 5560 | CBT - Carry Over | 10,999 | 10,800 | 11,000 | 11,330 | 11,670 | 12,020 | 12,381 |
| 5570 | Windy Gap Reservoir Maintenance | - | - | 10,500 | 10,500 | 10,500 | 10,500 | 100,000 |
| 5570 | Windy Gap Admin/Fixed O&M Costs | 48,000 | 46,400 | 52,500 | 54,000 | 57,000 | 58,710 | 60,471 |
| 6710 | Water Rights - Legal & Other | 27,816 | 21,000 | 22,000 | 23,000 | 24,000 | 25,000 | 26,000 |
| 6730 | Windy Gap Payment | 310,108 | 310,000 | 310,000 | 310,000 | 318,750 | 318,750 | - |
| 6750 | SWSP Pipeline | 181,900 | 187,500 | 150,000 | 154,500 | 159,135 | 163,909 | 168,826 |
| | | \$791,172 | \$796,400 | \$788,500 | \$801,080 | \$824,213 | \$837,617 | \$622,143 |

WATER – TREATMENT PLANT

Program Description

The water treatment plant provides safe drinking water to the residents of the Town of Superior. The operation and maintenance of the plant is currently provided through a contract with Ramey Environmental Compliance, Inc., and managed by Town staff.

Per the AWWA Standards there are four major categories required for operation:

1. Compliance with Regulatory Requirements
2. Operational Management Practices
3. Plant – Real Property Management and Maintenance
4. Water Quality Management

Goals

- Compliance with Regulations:
 - Satisfy requirements of Federal, State and Local regulations
 - Demonstrate meeting and striving to perform better than applicable drinking water regulations.
- Operational Management Practices
 - Access the cost of operation annually and provide recommendations for achieving standards.
 - Involve plant personnel to provide input on equipment purchases
- Plant – Management and Maintenance
 - Backup Equipment
 - Scheduled Inspections and Preventative Maintenance
- Water Quality Management
 - Deliver quantity of water to satisfy normal demands.
 - Control type, location and number of sampling points

The national average energy consumption in water treatment plants is 1,500 kWh per million gallons of water.

| Description | 2012 | 2013 | 2014 |
|--|--------------------------|-------------|-------------|
| Average Daily Production, Millions of Gallons per Day | 1.34 ¹ | 1.37 | 1.39 |
| Total Potable Water Consumption, Millions of Gallons (Ac-Ft) | 464 ² (1,426) | 473(1,452) | 483(1,481) |
| Total Non-Potable Water Consumption, MG (Ac-Ft) | 273 ² (838) | 278 (853) | 284 (872) |

| Description | 2012 | 2013 | 2014 |
|---------------------------------|--------------------------|----------------------|----------------------|
| Total Energy Consumption, kWh | 447,840 | 453,867 ³ | 445,635 ³ |
| Total Water Treated, MG (Ac-Ft) | 490 ¹ (1,504) | 500 | 510 |
| kWh / MG Treated | 914 | 907 | 874 |

¹ Water treatment plant records

² Utility Billing

³ Average past 3 years

Water Treatment Expense (50-451)

| Acct # | Description | 2012 Actual | 2013 Budget | 2014 Budget | 2015 Projected Budget | 2016 Projected Budget | 2017 Projected Budget | 2018 Projected Budget |
|--------|---|-------------|-------------|-------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 2210 | Engineering Services | 4,932 | \$7,500 | \$7,500 | \$7,500 | \$7,500 | \$7,500 | \$7,500 |
| 2370 | Treatment Plant Operator | 143,712 | 145,000 | 149,000 | 153,470 | 158,074 | 162,816 | 167,700 |
| 2371 | Treatment Plant – Chemical Testing | 13,809 | 25,000 | 20,000 | 20,600 | 21,218 | 21,855 | 22,511 |
| 2372 | Treatment Plant – Add. Services | 9,891 | 5,000 | 8,500 | 8,755 | 9,018 | 9,289 | 9,568 |
| 3100 | Telephone | 1,721 | 1,600 | 2,400 | 2,472 | 2,546 | 2,622 | 2,701 |
| 3110 | Utilities | 369 | 300 | 300 | 300 | 300 | 300 | 300 |
| 3150 | Electricity | 40,389 | 28,000 | 44,000 | 45,540 | 47,134 | 48,784 | 50,491 |
| 3160 | Natural Gas | 1,532 | 5,600 | 5,800 | 6,000 | 6,200 | 6,400 | 6,600 |
| 3340 | Repairs & Maintenance - WTP | 48,576 | 25,750 | 32,000 | 32,960 | 33,949 | 34,967 | 36,016 |
| 3390 | Solids Hauling | 44,003 | 150,000 | 50,000 | 51,500 | 53,045 | 54,636 | 56,275 |
| 3491 | Photovoltaic System-WTP - Oper & Maint – Phase I & II | 4,043 | 3,920 | 3,900 | 3,900 | 3,900 | 3,900 | 3,900 |
| 5140 | Chemicals | 52,095 | 87,550 | 60,000 | 61,800 | 63,654 | 50,564 | 52,081 |
| 5220 | Tools & Small Equipment | 3,783 | 7,500 | 5,000 | 5,150 | 5,305 | 5,464 | 5,628 |
| 7971 | Photovoltaic System Lease Payments – Phase I & II | 48,762 | 47,934 | 47,169 | 46,179 | 35,439 | 35,439 | 35,439 |
| 7972 | Photovoltaic System-Purchase Option | - | - | - | 39,930 | - | - | - |
| | | \$417,617 | \$540,654 | \$435,569 | \$486,056 | \$447,282 | \$444,536 | \$456,710 |

WATER – STORAGE & DISTRIBUTION

Program Description

The water storage & distribution division stores and distributes treated water to residents. Other related services include repair and maintenance of potable lines, irrigation lines and reservoirs and ponds. Distribution and maintenance of water meters and utility line locates are other services also included in this program.

Goals

- Implement and maintain a long term infrastructure condition assessment and management process.
- Actively seek additional storage for irrigation
- Implement GIS for asset management

Performance Measures

| Description | 2012 | 2013 | 2014 |
|--|------------------|-------------|-------------|
| Potable Water Meters Replaced Inventory: 3,370 ¹ | 129 ¹ | 130 | 130 |
| GIS: Percentage of service included | No Data | 10% | 50% |
| Update Pump Station Controls (3 pump stations in operation) | No Data | 1 | 2 |
| Potable Water Tanks Cleaned/Service Inventory: 3 | 2 | 1 | 1 |

¹ Utility billing

Water Storage & Distribution Expense (50-452)

| Acct # | Description | 2012 Actual | 2013 Budget | 2014 Budget | 2015 Projected Budget | 2016 Projected Budget | 2017 Projected Budget | 2018 Projected Budget |
|--------|-------------------------------------|------------------|------------------|------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 2210 | Engineering Services | \$10,629 | \$10,000 | \$8,000 | \$8,000 | \$8,000 | \$8,000 | \$8,000 |
| 2390 | Utility Locates | 705 | 1,030 | 1,000 | 1,030 | 1,061 | 1,093 | 1,126 |
| 3100 | Telephone | 120 | 3,000 | 1,600 | 1,648 | 1,697 | 1,748 | 1,800 |
| 3150 | Electricity | 48,780 | 54,000 | 39,000 | 40,650 | 42,350 | 44,101 | 45,904 |
| 3350 | Repairs & Maint - Potable Lines | 10,985 | 55,000 | 55,000 | 56,650 | 58,350 | 60,101 | 61,904 |
| 3360 | Repairs & Maint - Irrigation Lines | 10,713 | 21,500 | 10,000 | 10,300 | 10,609 | 10,927 | 11,255 |
| 3370 | Repairs & Maint - Reservoir & Ponds | 5,708 | 5,000 | 2,500 | 7,500 | 7,725 | 7,957 | 8,196 |
| 5610 | Water Meters | 28,520 | 23,000 | 35,000 | 36,050 | 37,132 | 38,246 | 39,393 |
| | | <u>\$116,160</u> | <u>\$172,530</u> | <u>\$152,100</u> | <u>\$161,828</u> | <u>\$166,924</u> | <u>\$172,173</u> | <u>\$177,578</u> |

WATER – NON-DEPARTMENTAL

Program Description

This fund is for general expenses not associated to any one department. Expenses include debt payments, administrative fees, vehicle pool, transfer to water maintenance capital projects and general costs such as insurance and some supplies.

Water Non-Departmental Expense (50-490)

| Acct # | Description | 2012 Actual | 2013 Budget | 2014 Budget | 2015 Projected Budget | 2016 Projected Budget | 2017 Projected Budget | 2018 Projected Budget |
|--------|--------------------------------|--------------------|--------------------|--------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 2400 | Auditing Services | \$7,100 | \$5,750 | \$6,000 | \$6,250 | \$6,500 | \$6,750 | \$7,000 |
| 2440 | Utility Billing | 10,162 | 13,000 | 14,000 | 13,000 | 14,000 | 13,000 | 12,000 |
| 2460 | Bank Fees | 38 | 250 | 100 | 100 | 100 | 100 | 100 |
| 2490 | Investment Fees | 11,014 | 13,000 | 12,000 | 13,000 | 14,000 | 15,000 | 16,000 |
| 2510 | Paying Agent Fees – 2006 Bonds | 1,650 | 1,650 | 1,650 | 1,650 | 1,650 | 1,650 | 1,650 |
| 2520 | Arbitrage Expense | - | - | - | - | 2,500 | - | - |
| 2650 | Administrative Fee | 258,920 | 264,789 | 276,935 | 288,012 | 299,532 | 311,513 | 323,974 |
| 4600 | PC/GL Insurance | 15,438 | 17,000 | 18,000 | 19,000 | 20,000 | 21,000 | 22,000 |
| 4800 | Studies | - | 12,500 | 4,000 | - | - | - | - |
| 5120 | Fuel and Vehicle Maintenance | 10,107 | 7,500 | 10,000 | 10,300 | 10,609 | 10,927 | 11,255 |
| 7810 | Bond Principal – 2006 Bonds | 827,532 | 877,824 | 932,688 | 992,124 | 1,051,560 | 1,124,712 | 1,197,864 |
| 7820 | Bond Interest – 2006 Bonds | 1,173,434 | 1,143,091 | 1,107,978 | 1,070,671 | 1,030,986 | 978,408 | 922,172 |
| 9530 | Transfer to Capital | - | 568,000 | 520,000 | 169,500 | 107,500 | 16,000 | 335,000 |
| | | <u>\$2,315,395</u> | <u>\$2,924,354</u> | <u>\$2,903,351</u> | <u>\$2,583,607</u> | <u>\$2,558,937</u> | <u>\$2,499,060</u> | <u>\$2,849,015</u> |

WASTE WATER - ADMINISTRATION

Program Description

This department provides services to residential and commercial wastewater customers, including the management of consultant contracts for wastewater plant operations, wastewater collection engineering and legal services. The department is also responsible for maintaining compliance with wastewater regulatory requirements, for preparing and calculating system development fees for new development projects, and for coordinating wastewater system maintenance.

Goals

- Percent of citizen complaints per month: Less than a ½ percent of all accounts.
- Annually jet sewer collection system to reduce sewer line blockages and backups.
- Implement and maintain a long term infrastructure condition assessment and management process.
- Provide Discharge Monitoring Reports (DMR's) per CDPHE Statues.

Waste Water Administration Expense (51-415)

| Acct # | Description | 2012 Actual | 2013 Budget | 2014 Budget | 2015 Projected Budget | 2016 Projected Budget | 2017 Projected Budget | 2018 Projected Budget |
|--------|-----------------------|-------------|-------------|-------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 2100 | Legal Services | \$1,336 | \$1,000 | \$1,000 | \$1,000 | \$1,000 | \$1,000 | \$1,000 |
| 2760 | GIS | 499 | 2,500 | 2,500 | 2,500 | 2,500 | 2,500 | 2,500 |
| 3100 | Telephone | 875 | 1,200 | 1,200 | 1,236 | 1,273 | 1,311 | 1,350 |
| 4200 | Membership | 26 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 |
| 4300 | Training | 203 | 600 | 870 | 870 | 870 | 870 | 870 |
| 4310 | Travel & Expenses | 34 | 765 | 1,290 | 1,290 | 1,290 | 1,290 | 1,290 |
| 4400 | Printing & Binding | - | 200 | 200 | 200 | 200 | 200 | 200 |
| 4900 | Other Fees & Services | 46 | 515 | 500 | 515 | 530 | 546 | 562 |
| 5100 | Office Supplies | 1,463 | 1,150 | 1,750 | 1,203 | 1,239 | 1,426 | 1,319 |
| 5160 | Uniforms & Equipment | 682 | 1,500 | 1,500 | 1,545 | 1,591 | 1,639 | 1,688 |
| | | \$5,164 | \$10,930 | \$12,310 | \$11,859 | \$11,993 | \$12,282 | \$12,279 |

WASTE WATER - COLLECTION

Program Description

The waste water collection division collects the waste water from residents of the Town. In addition, the waste water is treated and distributed through a re-use system to irrigate the Town's parks, open space, multi-family and commercial landscaped area. Other services related to this division include repair and maintenance of sewer lines and lift station and utility line locates.

Goals

- Provide safe and cost effective wastewater treatment.
- Implement and maintain a long term infrastructure condition assessment and management process.

Performance Measures

| Description | 2012 | 2013 | 2014 |
|--|-------------|-------------|-------------|
| Sewer Lines Cleaned, (ft.) Inventory: 205,000 ft. | 205,000 | 205,000 | 205,000 |
| Sewer Lines Videoed, (ft.) | 41,000 | 41,000 | 41,000 |
| GIS: Percentage of service included | 10% | 20% | 50% |

Waste Water Collection Expense (51-460)

| Acct # | Description | 2012 Actual | 2013 Budget | 2014 Budget | 2015 Projected Budget | 2016 Projected Budget | 2017 Projected Budget | 2018 Projected Budget |
|---------------|------------------------|--------------------|--------------------|--------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| 2210 | Engineering Services | \$36 | \$5,000 | \$5,000 | \$5,000 | \$5,000 | \$5,000 | \$5,000 |
| 2390 | Utility Locates | 705 | 1,030 | 1,000 | 1,030 | 1,061 | 1,093 | 1,126 |
| 3100 | Telephone | 381 | 515 | 500 | 515 | 530 | 546 | 562 |
| 3150 | Electricity | 6,973 | 8,240 | 7,500 | 7,725 | 7,957 | 8,196 | 8,442 |
| 3160 | Natural Gas | 442 | 515 | 500 | 515 | 530 | 546 | 562 |
| 3350 | Repairs & Maint Lines | 33,642 | 25,000 | 25,000 | 25,750 | 26,523 | 27,319 | 28,139 |
| 3430 | Repairs - Lift Station | 12,142 | 4,000 | 4,000 | 4,500 | 4,500 | 4,500 | 4,500 |
| | | \$54,321 | \$44,300 | \$43,500 | \$45,035 | \$46,101 | \$47,200 | \$48,331 |

WASTE WATER TREATMENT PLANT

Program Description

The waste water treatment plant collects sewage from residential and commercial properties within the Town's boundary. The operation and maintenance of the plant is currently provided through a contract with Ramey Environmental Compliance, Inc., and managed by Town staff.

Goals

- Implement and maintain a long term infrastructure condition assessment and management process.
- Maintain a Facility Master Plan (Update every 5 years)
- Evaluate and improve equipment and chemical usage for an energy efficient plant

In the United States, waste water plants utilize an average of 1,200 kWh per million gallons (MG) of wastewater treated. However, a higher treatment volume generally leads to a lower energy demand per MG. For standard activated sludge treatment plants, such as we operate, a 1 MGD facility may have a 2,200 kWh/MG energy demand, a 10 MGD facility may have a 1,200 kWh/MG energy demand (WEF, 2009). This amounts to a 45% energy consumption reduction per MG treated from a 1 MGD facility to a 10 MGD facility.

| Description | 2012 | 2013 | 2014 |
|--------------------------------------|------------------------|------------------------|------------------------|
| Total annual Energy Consumption, kWh | 1,654,709 ¹ | 1,449,760 ³ | 1,233,000 ⁵ |
| Total Wastewater Treated, MG | 433 ² | 442 ³ | 450 ³ |
| kWh / MG Treated | 3,821 | 3,280 ⁴ | 2,740 ⁴ |

¹ Xcel Energy Bills

² Plant records

³ 2% growth per Master Plan

⁴ Goal (Ultimate goal is 2,300 kWh/MG treated)

⁵ Estimated based on (Total MG treated) x (kWh/MG)

Waste Water Treatment Plant Expense (51-461)

| Acct # | Description | 2012 Actual | 2013 Budget | 2014 Budget | 2015 Projected Budget | 2016 Projected Budget | 2017 Projected Budget | 2018 Projected Budget |
|--------|---|------------------|------------------|------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 2210 | Engineering Services | \$6,092 | \$10,000 | \$10,000 | \$10,000 | \$10,000 | \$10,000 | \$10,000 |
| 2370 | Treatment Plant Operator | 164,159 | 156,000 | 163,800 | 168,714 | 173,775 | 178,988 | 184,358 |
| 2371 | Treatment Plant – Chemical Testing | 26,874 | 23,690 | 26,000 | 26,780 | 27,583 | 28,410 | 29,262 |
| 2372 | Treatment Plant – Add. Services | 14,043 | 8,000 | 10,000 | 10,300 | 10,609 | 10,927 | 11,255 |
| 3100 | Telephone | 1,948 | 4,326 | 2,000 | 2,060 | 2,122 | 2,186 | 2,252 |
| 3110 | Utilities | 17,051 | 22,660 | 15,000 | 15,450 | 15,914 | 16,391 | 16,883 |
| 3150 | Electricity (net) | 140,822 | 117,585 | 122,000 | 126,270 | 130,689 | 135,263 | 139,997 |
| 3160 | Natural Gas | 1,897 | 4,635 | 7,500 | 7,725 | 7,957 | 8,196 | 8,442 |
| 3340 | Repairs & Maintenance - WWTP | 113,716 | 55,000 | 60,000 | 61,800 | 63,654 | 65,564 | 67,531 |
| 3355 | Centrifuge Maintenance | - | 6,000 | - | - | - | - | - |
| 3390 | Sludge Hauling | 25,049 | 26,000 | 22,000 | 22,660 | 23,340 | 24,040 | 24,761 |
| 3491 | Photovoltaic System-WTP - Oper & Maint – Phase I & II | 3,594 | 3,920 | 3,900 | 3,900 | 3,900 | 3,900 | 3,900 |
| 5140 | Chemicals | 186,941 | 144,200 | 140,000 | 144,200 | 148,526 | 152,982 | 157,571 |
| 5220 | Tools & Small Equipment | 3,021 | 1,500 | 2,000 | 2,060 | 2,122 | 2,186 | 2,252 |
| 7971 | Photovoltaic System Lease Payments – Phase I & II | 48,762 | 47,934 | 47,169 | 46,179 | 35,439 | 35,439 | 35,439 |
| 7972 | Photovoltaic System-Purchase Option | - | - | - | 39,930 | - | - | - |
| | | \$753,969 | \$631,450 | \$631,369 | \$688,028 | \$655,630 | \$674,472 | \$693,903 |

WASTE WATER – NON-DEPARTMENTAL

Program Description

This fund is for general expenses not associated to any one department. Expenses include debt payments, administrative fees, vehicle pool, transfer to sewer maintenance capital projects and general costs such as insurance and some supplies.

Waste Water Non-Departmental Expense (51-490)

| Acct # | Description | 2012 Actual | 2013 Budget | 2014 Budget | 2015 Projected Budget | 2016 Projected Budget | 2017 Projected Budget | 2018 Projected Budget |
|--------|-----------------------------|-------------|-------------|-------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 2400 | Auditing Services | \$4,260 | \$3,450 | \$3,600 | \$3,750 | \$3,900 | \$4,050 | \$4,200 |
| 2440 | Utility Billing | 3,671 | 4,400 | 4,800 | 4,700 | 5,100 | 5,000 | 4,900 |
| 2490 | Investment Fees | 1,161 | 1,500 | 1,200 | 1,300 | 1,400 | 1,500 | 1,600 |
| 2650 | Administrative Fee | 155,352 | 158,873 | 166,161 | 172,807 | 179,719 | 186,908 | 194,384 |
| 3220 | Maint. - Building | 2,198 | 2,575 | 2,500 | 2,575 | 2,652 | 2,732 | 2,814 |
| 4600 | PC/GL Insurance | 9,263 | 10,750 | 11,250 | 11,750 | 12,250 | 12,750 | 13,250 |
| 4800 | Studies | - | 9,500 | 5,000 | - | - | - | - |
| 5120 | Fuel & Vehicle Maintenance | 6,859 | 9,500 | 11,000 | 11,330 | 11,670 | 12,020 | 12,381 |
| 7810 | Bond Principal – 2006 Bonds | 45,341 | 48,096 | 51,102 | 54,359 | 57,615 | 61,623 | 65,631 |
| 7820 | Bond Interest – 2006 Bonds | 64,293 | 62,630 | 60,706 | 58,662 | 56,488 | 53,607 | 50,526 |
| 9530 | Transfer to Capital | - | 368,500 | 753,800 | 86,000 | 336,500 | 525,000 | 475,000 |
| | | \$292,398 | \$679,774 | \$1,071,119 | \$407,233 | \$667,294 | \$865,190 | \$824,686 |

STORM WATER – ADMINISTRATION

Program Description

This department provides services to residential and commercial storm water customers, including the management of consultant contracts for storm water operations, storm water engineering and legal services. The department also administers compliance with storm water regulations, prepares and calculates system development fees for new development projects, promotes public awareness of the impact of urban runoff on storm water quality, and participates in regional storm water projects and organizations.

In addition, this division is working jointly with several surrounding communities on the Watershed Approach to Streamline Health (WASH) project to protect water quality within our watershed and to comply with the Town's Municipal Storm Water Discharge Permit with the State of Colorado.

Goals

- Percent of citizen complaints per month: < ½% of all accounts
- Eliminate hazards to life and property from flooding.
- Convey storm water runoff through the site in an economical and practical manner.
- Preserve the floodplain areas as natural drainage ways.
- Utilize the drainage ways for recreational and open space purposes.
- Improve the water quality of urban runoff.

Storm Water Administration Expense (52-415)

| Acct # | Description | 2012 Actual | 2013 Budget | 2014 Budget | 2015 Projected Budget | 2016 Projected Budget | 2017 Projected Budget | 2018 Projected Budget |
|--------|-------------------------|-------------|-------------|-------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 2100 | Legal Services | \$1,336 | \$1,000 | \$1,000 | \$1,000 | \$1,000 | \$1,000 | \$1,000 |
| 2300 | Planning Services | 19,001 | 18,025 | 25,000 | 23,500 | 24,205 | 24,903 | 24,377 |
| 2760 | GIS Service | 461 | 1,600 | 1,600 | 1,600 | 1,600 | 1,600 | 1,600 |
| 3100 | Telephone | 609 | 800 | 800 | 824 | 849 | 874 | 900 |
| 4200 | Memberships | 17 | 1,200 | 1,200 | 1,200 | 1,200 | 1,200 | 1,200 |
| 4300 | Training | 124 | 400 | 580 | 580 | 580 | 580 | 580 |
| 4310 | Travel & Expenses | 23 | 510 | 860 | 860 | 860 | 860 | 860 |
| 4400 | Printing & Binding | - | 100 | 100 | 500 | 500 | 500 | 500 |
| 4900 | Other Fees & Services | 563 | 500 | 500 | 500 | 500 | 500 | 500 |
| 5100 | Office Supplies | 969 | 600 | 1,000 | 630 | 649 | 768 | 691 |
| 5160 | Uniforms & Equipment | 455 | 650 | 650 | 670 | 690 | 711 | 732 |
| 5220 | Tools & Small Equipment | 584 | - | - | - | - | - | - |
| | | \$24,142 | \$25,385 | \$33,290 | \$31,864 | \$32,633 | \$33,496 | \$32,940 |

STORM WATER – STORM DRAINAGE

Program Description

The storm water storm drainage division provides operation and maintenance of utility channels, reservoirs, and ponds within the Town. Other related services include wetlands plantings and monitoring, utility line locates, and street sweeping.

Goals

- Convey storm water runoff in an economical and practical manner.
- Continue to utilize street sweeping to improve the water quality of urban runoff.

Performance Measures

| Description | 2012 | 2013 | 2014 |
|---|-------------|-------------|-------------|
| Time Spent Cleaning Inlets, (Hrs.) | 0 | 340 | 320 |
| Stormwater Permit Reviewed On Time, (%) | N/A | 85% | 85% |

Storm Water Storm Drainage Expense (52-480)

| Acct # | Description | 2012 Actual | 2013 Budget | 2014 Budget | 2015 Projected Budget | 2016 Projected Budget | 2017 Projected Budget | 2018 Projected Budget |
|--------|---|-------------|-------------|-------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 2210 | Engineering Services | \$8,862 | \$6,500 | \$5,000 | \$5,000 | \$5,000 | \$5,000 | \$5,000 |
| 2390 | Utility Locates | 353 | 1,030 | 500 | 515 | 530 | 546 | 562 |
| 3350 | Repairs & Maintenance - Utility Channels | 125 | 5,150 | 3,000 | 3,090 | 3,183 | 3,278 | 3,376 |
| 3370 | Repairs & Maintenance - Reservoir & Ponds | 18,307 | 25,000 | 25,750 | 26,523 | 27,319 | 28,139 | 28,983 |
| 3510 | Street Sweeping | 16,525 | 23,900 | 20,000 | 20,600 | 21,218 | 21,855 | 22,511 |
| 5220 | Tools & Small Equipment | 1,570 | 1,000 | 1,000 | 1,030 | 1,061 | 1,093 | 1,126 |
| | | \$45,742 | \$62,580 | \$55,250 | \$56,758 | \$58,311 | \$59,911 | \$61,558 |

STORM WATER – NON-DEPARTMENTAL

Program Description

This fund is for general expenses not associated to any one department. Expenses include debt payments, administrative fees, vehicle pool, transfer to storm maintenance capital projects and general costs such as insurance and some supplies.

Storm Water Non-Departmental Expense (52-490)

| Acct # | Description | 2012 Actual | 2013 Budget | 2014 Budget | 2015 Projected Budget | 2016 Projected Budget | 2017 Projected Budget | 2018 Projected Budget |
|--------|-----------------------------|-------------|-------------|-------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 2400 | Auditing Services | \$2,840 | \$2,300 | \$2,400 | \$2,500 | \$2,600 | \$2,700 | \$2,800 |
| 2440 | Utility Billing | 1,164 | 1,400 | 1,600 | 1,500 | 1,700 | 1,600 | 1,500 |
| 2650 | Administrative Fee | 103,568 | 105,915 | 110,774 | 115,205 | 119,813 | 124,606 | 129,590 |
| 4600 | PC/GL Insurance | 6,175 | 6,500 | 6,750 | 7,000 | 7,250 | 7,500 | 7,750 |
| 4800 | Studies | - | 3,000 | - | 3,000 | - | - | - |
| 5120 | Fuel & Vehicle Maint. | 4,045 | 3,000 | 4,000 | 4,120 | 4,244 | 4,371 | 4,502 |
| 7810 | Bond Principal - 2006 Bonds | 32,128 | 34,080 | 36,210 | 38,518 | 40,825 | 43,665 | 46,505 |
| 7820 | Bond Interest - 2006 Bonds | 45,557 | 44,379 | 43,015 | 41,567 | 40,026 | 37,985 | 35,802 |
| 9530 | Transfer to Capital | - | 40,000 | 27,200 | 35,000 | 50,000 | 60,000 | 75,000 |
| | | \$195,477 | \$240,574 | \$231,949 | \$248,410 | \$266,458 | \$282,427 | \$303,449 |

**SUPERIOR METROPOLITAN DISTRICT #1
RESOLUTION #SMD1-8
SERIES 2013**

**A RESOLUTION OF THE BOARD OF DIRECTORS OF
SUPERIOR METROPOLITAN DISTRICT #1 ADOPTING A
BUDGET AND APPROPRIATING SUMS OF MONEY IN
THE AMOUNTS AND FOR THE PURPOSES AS SET
FORTH BELOW, FOR THE SUPERIOR METROPOLITAN
DISTRICT #1, FOR THE 2014 BUDGET YEAR**

WHEREAS, the Board of Directors must adopt the annual budget in accordance with the Local Government Budget Law, on November 25, 2013;

WHEREAS, the Board of Directors has made provision therein for revenues in an amount equal to or greater than the total proposed expenditures as set forth in said budget; and

WHEREAS, it is not only required by law, but also necessary to appropriate the revenues provided in the budget to and for the purposes described below, so as not to impair the operations of the Board.

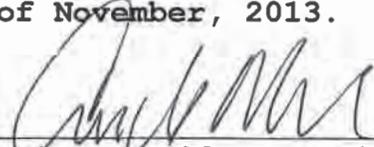
NOW, THEREFORE, BE IT RESOLVED BY THE BOARD DIRECTORS OF THE SUPERIOR METROPOLITAN DISTRICT #1:

Section 1. That the following sums are hereby appropriated from the revenue for purposes stated:

| | |
|--------------------------|---------------------|
| Water Operating | \$ 4,320,720 |
| Water Capital | <u>1,545,181</u> |
| Sewer Operating | <u>1,758,298</u> |
| Sewer Capital | <u>768,800</u> |
| Storm Drainage Operating | <u>320,489</u> |
| Storm Drainage Capital | <u>525,200</u> |
| Total | <u>\$ 9,238,688</u> |

Section 2. That the budget as submitted, amended, and herein summarized by fund, hereby is approved and adopted as the budget of the Superior Metropolitan District #1 for the year stated above.

READ AND ADOPTED this 25th day of November, 2013.



Andrew Muckle, President

ATTEST:




Phyllis T. Hardin, Secretary

SUPERIOR METROPOLITAN DISTRICT NO. 1

**RESOLUTION NO. SMD#1-9
SERIES 2013**

**A RESOLUTION OF THE BOARD OF DIRECTORS OF
THE SUPERIOR METROPOLITAN DISTRICT NO. 1
AMENDING THE DISTRICT'S RULES AND
REGULATIONS BY ADOPTION OF A NEW APPENDIX A
TO THE RULES AND REGULATIONS**

WHEREAS, according to Section 6.1 of the Superior Metropolitan District No. 1 ("SMD1") Rules and Regulations, fee rates may be increased by the District's Board of Directors at any time after a public hearing; and

WHEREAS, according to Section 1.6 of the District's Rules and Regulations, amendment to the Rules and Regulations may be made by resolution of the Board of Directors; and

WHEREAS, current tapping fees, residential water meter installation fees, system development fees, service charges, standby fees, construction water fees, and miscellaneous fees for SMD1 customers are set out in Appendix A of the Rules and Regulations; and

WHEREAS, a public hearing on the proposed new rates was properly noticed and held by the Board on November 25, 2013; and

WHEREAS, the Board of Directors wishes to set the proposed new rates for customers, which rates will take effect on January 1, 2014; and

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE SUPERIOR METROPOLITAN DISTRICT NO. 1 AS FOLLOWS:

Section 1. The Board hereby finds that it is necessary to enact the proposed rates discussed at the public hearing held on November 26, 2013, in order to maintain the District's current level of operations.

Section 2. The Board hereby repeals the rates dated January 11, 2013 that were set forth as Appendix A to the District's Rules and Regulations.

Section 3. The Board hereby adopts the rates attached hereto and incorporated herein as **Exhibit A** and enacts the same as the new Appendix A to the District's Rules and Regulations.

ADOPTED this 25th day of November, 2013.



Andrew Muckle, President

ATTEST



Phyllis L. Hardin, Secretary

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