



BOARD OF TRUSTEES  
September 27, 2022  
Immediately following the regular meeting

Leeper Center, 3800 Wilson Avenue, Wellington, CO

Work Session Agenda

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A. ITEMS

1. 2023 Budget - Water CIP
2. 2023 Budget - Sewer CIP

The Town of Wellington will make reasonable accommodations for access to Town services, programs, and activities and special communication arrangements. Individuals needing special accommodation may request assistance by contacting at Town Hall or at 970-568-3380 ext. 110 at least 24 hours in advance.



## **Board of Trustees Meeting**

**Date:** September 27, 2022  
**Subject:** 2023 Budget - Water CIP

### **BACKGROUND / DISCUSSION**

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Presentation of the Water Fund CIP

### **STAFF RECOMMENDATION**

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### **ATTACHMENTS**

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1. Water CIP

| CAPITAL EXPENDITURES |     |  |                    |              |              |               |               |              |            | NOTES  |  |
|----------------------|-----|--|--------------------|--------------|--------------|---------------|---------------|--------------|------------|--|--|
| Account Number       | NEW | Total Cost   | Costs Through 2021 | 2022         | 2023         | 2024          | 2025          | 2026         | 2027       |  |  |
|                      |     | <b>Equipment:</b>  |                    |              |              |               |               |              |            | Rolling Stock only   |  |
| 211-80-5021          |     | Leak Repair Trailer  | \$ 38,000          |              | \$ 38,000    |               |               |              |            | Underway. Will be complete in 2022.  |  |
|                      |     | Vehicle Replacement  | \$ 35,000          |              |              | \$ 35,000     |               |              |            | Replace 2008 Chevy 1500  |  |
|                      |     | Front End Loader   | \$ 225,000         | \$ -         |              |               | \$ -          | \$ 225,000   |            | Needed for increased solids handling with expanded treatment facility.   |  |
|                      |     | <b>Capital Projects - Plants:</b>                            |                    |              |              |               |               |              |            |  |  |
| 211-80-4010          |     | Water Plant Expansion Engineering and Construction           | \$ 39,094,186      | \$ 1,494,353 | \$ 8,738,562 | \$ 17,394,004 | \$ 11,467,267 |              |            | The completion of this project will double the Town's water treatment capacity. This will ensure the Town can meet its 20 year growth projections.   |  |
| 211-80-4014          |     | Wilson Wellhouses Improvements                               | \$ 450,737         | \$ 382,737   | \$ 68,000    | \$ -          |               |              |            | Underway. Project downsized to reduce expenses. May need to carry-over to 2023.  |  |
| 211-80-4059          |     | WTP Filter Media Replacement                                 | \$ 125,000         | \$ -         | \$ 125,000   | \$ -          | \$ -          | \$ -         | \$ -       | Will be completed in 2022. Scope reduced to save money.  |  |
| 211-80-4079          |     | Pretreatment Sonde   | \$ 40,000          | \$ -         |              | \$ -          | \$ 40,000     | \$ -         | \$ -       | Deferred to 2024.  |  |
| 211-80-4080          |     | WTP Security Fence   | \$ 50,000          |              | \$ 50,000    | \$ -          | \$ -          | \$ -         | \$ -       | Completed in 2022  |  |
| 211-80-4081          |     | WTP Security Improvements                                    | \$ 40,000          |              | \$ 40,000    | \$ -          | \$ -          | \$ -         | \$ -       | Completed in 2022  |  |
| 211-80-4082          |     | WTP Lightening Protection                                    | \$ 195,000         |              | \$ 195,000   | \$ -          | \$ -          | \$ -         | \$ -       | Underway. Will be complete in 2022.  |  |
|                      |     | 2 MG Tank Coating  | \$ 1,500,000       | \$ -         |              | \$ 1,500,000  | \$ -          | \$ -         | \$ -       | Further pricing information expected soon.   |  |
|                      |     | Tank Aeration Study - Disinfection byproduct rule compliance | \$ 75,000          | \$ -         |              | \$ 75,000     | \$ -          | \$ -         | \$ -       | Decreased 2023 dollars to \$75K. Performing a study first to determine what we actually need.  |  |
|                      |     | WTP Covered Equipment Storage                                | \$ 60,000          | \$ -         |              | \$ -          | \$ 60,000     | \$ -         | \$ -       | 2022 adopted budget CIP shows \$60,000 in 2024. No change.   |  |
|                      |     | Pre-Treatment Facility Security Fencing                      | \$ 50,000          |              |              | \$ 50,000     |               |              |            | Additional land at the pretreatment facility. Need to secure.  |  |
|                      |     | Pre-Treatment Facility Improvement - Concrete                | \$ 20,000          |              |              | \$ 20,000     |               |              |            | Replace current mud access driveway  |  |
|                      |     | WTP Admin Building Design Alternatives                       | \$ 100,000         |              |              |               | \$ 50,000     | \$ 50,000    |            | Admin building was removed from the expansion project. Still need an admin building in the future.   |  |
|                      |     | WTP Admin Building Construction                              | \$ 1,200,000       |              |              |               |               | \$ 600,000   | \$ 600,000 | Admin building was removed from the expansion project. Still need an admin building in the future.   |  |
|                      |     | Pre-Treatment Facility Needs Assessment                      | \$ 75,000          |              |              |               | \$ 75,000     |              |            | Evaluate future process and raw water pumping requirements and improvements.   |  |
|                      |     | 1 MG Tank Coating  | \$ 1,300,000       |              |              |               |               | \$ 1,300,000 |            | Further pricing information expected soon.   |  |
|                      |     | <b>Capital Projects - Distribution:</b>                      |                    |              |              |               |               |              |            |  |  |
| 211-80-5013          |     | Water Efficiency Program                                     | \$ 612,000         | \$ -         | \$ 140,000   | \$ 25,000     | \$ 177,000    | \$ 170,000   | \$ 100,000 | The largest expenditure in this project in 2024 and beyond is to purchase both meters and network infrastructure to encourage users to manage their own water use and provide better water use information. In 2023 the program will also develop water efficiency programs that will encourage water efficiency. The goal of these programs will be to develop them so that we can attain grant money for the actual implementation of possible programs such as: garden in a box and other community outreach and education. |  |
| 211-80-4015          |     | Bulk Water Dispenser   | \$ 80,000          | \$ -         | \$ 80,000    |               | \$ -          | \$ -         | \$ -       | Completion expected in 2022.   |  |
| 211-80-4019          |     | Distribution System Master Plan                              | \$ 60,000          | \$ -         | \$ 60,000    |               |               |              |            | Completed in 2022  |  |
| 211-80-4020          |     | Buffalo Creek Booster Station Upgrade                        | \$ 25,000          | \$ -         | \$ -         | \$ -          | \$ 25,000     |              |            | Defer 2023 to 2024   |  |
| 211-80-4018          |     | Fire Hydrant Replacement                                     | \$ 274,104         | \$ 60,000    | \$ 66,000    | \$ 72,600     | \$ 75,504     |              |            | This is an ongoing replacement program   |  |
| 211-80-4021          |     | Distribution System Improvement Projects                     | \$ 330,631         | \$ 40,000    | \$ 50,000    | \$ -          | \$ 55,125     | \$ 57,881    | \$ 60,775  | \$ 66,850  | Project moved to 2024 as there is still future scope of work to complete; anticipate the work will be in 2024 and beyond. There are always improvement projects; staff wants to ensure we have a strategic perspective |
|                      |     | Water Over-sizing Reimbursement Saddleback Subdivision       | \$ 301,182         |              |              |               | \$ 100,000    | \$ 100,000   | \$ 101,182 | Project moved by one year to reflect the Development Agreement and expected construction   |  |
|                      |     | <b>TOTAL</b>   |                    |              |              | \$ 19,171,604 | \$ 12,124,896 | \$ 2,502,881 | \$ 861,957 | \$ 66,850  |  |

**FUNDED FROM RAW WATER RESERVES**

|  |  |                               |              |  |  |              |  |  |  |  |
|--|--|-------------------------------|--------------|--|--|--------------|--|--|--|--|
|  |  | Water Source Development Plan | \$ 125,000   |  |  | \$ 125,000   |  |  |  | Water is a finite resource. While the Town currently wants development to bring their own water resources, as water issues become more complex, the Town needs to ensure all long-term water issues are identified with possible future actions. This study is NOT funded with rates.  |
|  |  | Water Purchase                | \$ 2,350,000 |  |  | \$ 2,350,000 |  |  |  | While development is encouraged to have its own water resources at the time of development, water shares are always important to a municipality for future use. There is no identified shares available at this time, but this would appropriate monies to allow staff to immediately purchase shares, if they become available. |



## Board of Trustees Meeting

**Date:** September 27, 2022  
**Subject:** 2023 Budget - Sewer CIP

### **BACKGROUND / DISCUSSION**

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Presentation of the Sewer CIP budget.

### **STAFF RECOMMENDATION**

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None

### **ATTACHMENTS**

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1. Sewer CIP

| CAPITAL EXPENDITURES                        |  |               |                   |              |               |               |              |            |            |   |
|---|--|---------------|-------------------|--------------|---------------|---------------|--------------|------------|------------|---|
| Account Number                              |  | Total Cost    | Cost Through 2021 | 2022         | 2023          | 2024          | 2025         | 2026       | 2027       | NOTES   |
|   | <b>Equipment:</b>  |               |                   |              |               |               |              |            |            |   |
|   | Gator with Plow - Equipment                                    | \$ 25,000     |                   |              |               | \$ 25,000     |              |            |            |   |
|   | Vehicle Replacement  | \$ 35,000     | \$ -              |              | \$ 35,000     | \$ -          |              |            |            |   |
|   | <b>Capital Projects - Plant:</b>                               |               |                   |              |               |               |              |            |            |   |
| 211-80-4061                                 | Water Reclamation Facility Expansion Engineering               | \$ 5,310,409  | \$ 2,515,501      | \$ 1,226,761 | \$ 940,888    | \$ 627,259    | \$ -         | \$ -       | \$ -       | The expenditures for this major project are now well-defined with signed contracts  |
| 211-80-4083                                 | Water Reclamation Facility Expansion Construction              | \$ 48,106,061 | \$ -              | \$ 7,461,869 | \$ 24,386,515 | \$ 16,257,677 | \$ -         | \$ -       | \$ -       | The completion of this project will double the Town's wastewater treatment capacity. This will ensure the Town can meet its 20 year growth projections.   |
| 211-80-4027                                 | WRF Pump Replacement   | \$ 43,249     | \$ 21,249         | \$ 22,000    | \$ -          | \$ -          | \$ -         | \$ -       | \$ -       | Underway. Will be complete in 2022.   |
| 211-80-4084                                 | WRF Risk and Resiliency Assessment and Emergency Response Plan | \$ 80,000     |                   | \$ -         |               |               | \$ 80,000    |            |            | Deferred to 2025; after the new plant is built.   |
| 211-80-4085                                 | WRF Lightening Protection                                      | \$ 115,000    |                   | \$ 115,000   |               |               |              |            |            | Will be complete in 2022. Reduced scope to reduce expenses.   |
| 211-80-4086                                 | WRF Security Improvements                                      | \$ 40,000     |                   | \$ 40,000    |               |               |              |            |            | Will be complete in 2022  |
| 211-80-4087                                 | WRF SCADA Hardware Upgrades                                    | \$ 35,000     |                   | \$ 35,000    | \$ -          | \$ -          |              |            |            | Will be complete in 2022. Moving future expenses to Ops budget.   |
|   | Orbal System Rehabilitation                                    | \$ 2,079,000  |                   |              |               | \$ 1,039,500  | \$ 1,039,500 |            |            | The Orbal basin originally came online in 2003 and has never been brought down for inspection, cleaning, or maintenance. Upon successful start up of the expanded WRF, the Orbal needs to be drained, cleaned, and all equipment inspected and upgraded, as necessary. This project has many unknowns until the basin is drained. |
|   | WRF MCC Equipment Cooling System                               | \$ 20,000     |                   |              | \$ 20,000     |               |              |            |            | Motor control center (MCC) equipment cooling system. Includes Variable Frequency Drives (VFD), Programmable Logic Controllers (PLCs) and other electrical components.   |
|   | <b>Capital Projects - Collection:</b>                          |               |                   |              |               |               |              |            |            |   |
| 211-80-4062                                 | Collection System Improvement Projects                         |               | \$ -              | \$ -         | \$ -          | \$ 200,000    | \$ 200,000   | \$ 200,000 | \$ 200,000 | Project deferred to reduce expenses. 2024-2027 is programmed dollars for future projects.   |
| 211-80-4089                                 | Viewpoint Lift Station Upgrades                                | \$ 760,000    | \$ -              | \$ 60,000    | \$ 200,000    | \$ 500,000    |              |            |            | Project expanded in scope. Town staff is pursuing federal grants for this project. The grant is not assumed at this point   |
| 211-80-4091                                 | Sewer Over-Sizing Reimbursement - Sage Meadows 1st DA          | \$ 315,425    | \$ 192,225        | \$ 32,175    | \$ 12,375     | \$ 30,520     | \$ 48,130    |            |            | Development Agreement obligation for over-sizing sewer main for both Sage Meadows subdivision and Sage Meadows Second subdivision   |
|   | Sewer Over-Sizing Reimbursement - Saddleback DA                | \$ 288,030    | \$ -              | \$ -         |               | \$ 100,000    | \$ 100,000   | \$ 88,030  |            | This was in the 2022 adopted budget CIP; timing has moved per Planning Department on expected Saddleback Development schedule   |
| <b>Total Capital Equipment and Projects</b> |  |               |                   |              | \$ 25,594,778 | \$ 18,779,956 | \$ 1,467,630 | \$ 288,030 | \$ 200,000 |   |