

**MISSION STATEMENT: TO CREATE A HEALTHY, SAFE, DIVERSE, AND PROSPEROUS CITY  
BY ENGAGING COMMUNITY MEMBERS TO DEVELOP AN ENRICHED QUALITY OF LIFE.**



**PUBLIC WORKS COMMITTEE AGENDA  
CITY OF ONTARIO OREGON  
THURSDAY, MARCH 16, 2023, 3:00 PM, MT**  
[Zoom Link](#)

**1) CALL TO ORDER**

Roll Call: Scott Wilson \_\_\_\_\_ Pat Woodcock \_\_\_\_\_ Jackson Fox \_\_\_\_\_  
Jake Galeener \_\_\_\_\_ Al Christiani \_\_\_\_\_  
  
City Council Ex-Officio \_\_\_\_\_ City Manager \_\_\_\_\_  
PW Director \_\_\_\_\_ City Engineer \_\_\_\_\_

This Agenda was posted on March 7, 2023. Copies of the Agenda are available from the City Hall Customer Service Counter and on the city's website at [www.ontariooregon.org](http://www.ontariooregon.org).

**2) MOTION TO ADOPT THE AGENDA**

**3) PUBLIC COMMENTS** Citizens may address the Public Works Committee; however, the Public Works Committee may not be able to provide an immediate answer or response. Out of respect to the members and others in attendance, please limit your comment to three (3) minutes. Please state your name and city of residence for the record.

**4) APPROVAL OF MINUTES**

A) February 21, 2023

**5) NEW BUSINESS**

- A) Changes to ODOT Fund Exchange Program and recommendations to address the new changes
- B) NPDES Permit Re-Application Submittal to Oregon DEQ

**6) DISCUSSION ITEMS**

**7) CORRESPONDENCE, COMMENTS AND EX-OFFICIO REPORTS**

**8) ADJOURN**



## PUBLIC WORKS COMMITTEE MEETING MINUTES

Tuesday, February 21, 2023, 3:00 p.m. MT

The scheduled meeting of the Public Works was called to order by Vice-Chairman Scott Wilson at approximately 3:05 p.m. on Tuesday, February 21, 2023, in the Council Chambers of City Hall. Committee members present in person or attended via Teams were Scott Wilson, Pat Woodcock, Jackson Fox, and Al Christiani; Galeener was excused.

Others present in person or via Teams were Casey Mordhorst, Paul Woods, Al Haun, Suzanne Mulvany, Dustin Mosher, Neil DeJonge, Jay Hysell, Dan Cummings, and Kari Ott.

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### WELCOME

Welcome to our newest Public Works Committee Member: **Al Christiani, Contractor.**

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### AGENDA

The press was notified; this Agenda was posted on February 14, 2023. Copies of the agenda and minutes are available at the Public Works Headquarters and on the city's website at [www.ontariooregon.org](http://www.ontariooregon.org).

**MOTION PASSED UNANIMOUSLY TO ADOPT THE AGENDA AS PRESENTED.**

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### PUBLIC COMMENTS

NONE

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### ADOPTION OF MINUTES – AUGUST 16, 2022

#### RESOLUTION, ACTION &/OR MOTION:

**THE MOTION WAS MADE BY MR. WOODCOCK, SECONDED BY MR. CHRISTIANI TO ADOPT THE MINUTES OF THE PREVIOUS MEETING, AUGUST 16, 2022: MOTION PASSED UNANIMOUSLY.**

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### NEW BUSINESS

#### ELECTION OF OFFICERS

#### RESOLUTION, ACTION &/OR MOTION:

- Mr. Fox nominated **Mr. Wilson for Public Works Committee Chairman**; Mr. Christiani seconded the motion. **Motion passed unanimously** (Galeener -excused).
- Mr. Woodcock nominated **Mr. Galeener for Public Works Committee Vice-Chairman**; Mr. Christiani seconded the motion. **Motion passed unanimously** (Galeener -excused).
- Mr. Wilson nominated **Mr. Woodcock for Public Works Committee Secretary**; Mr. Christiani seconded the motion. **Motion passed unanimously** (Galeener -excused).

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### PRESENTATION

#### **CAPITAL IMPROVEMENT PROJECTS (CIP'S) PLAN REVIEW FOR FY 2023-24**



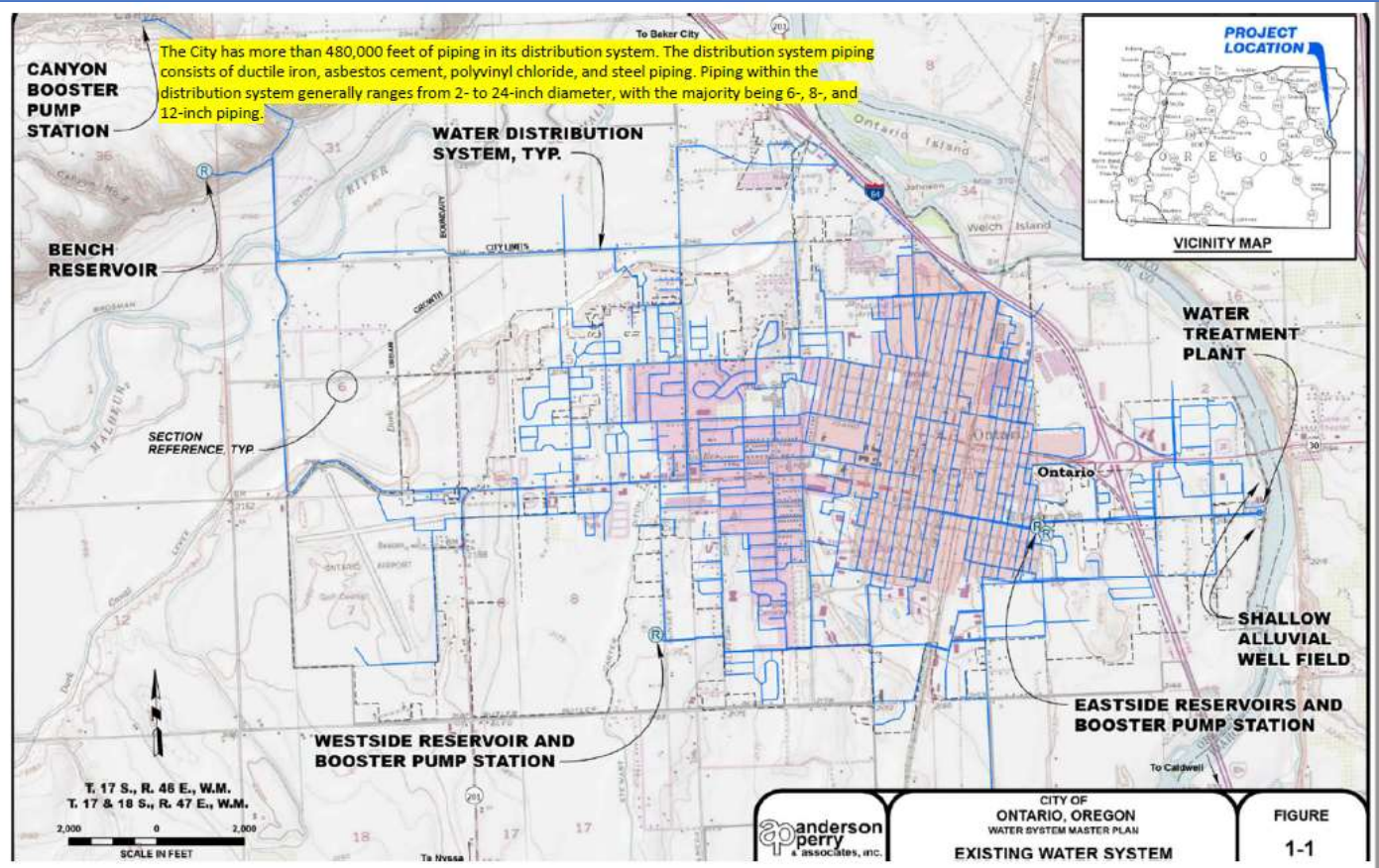
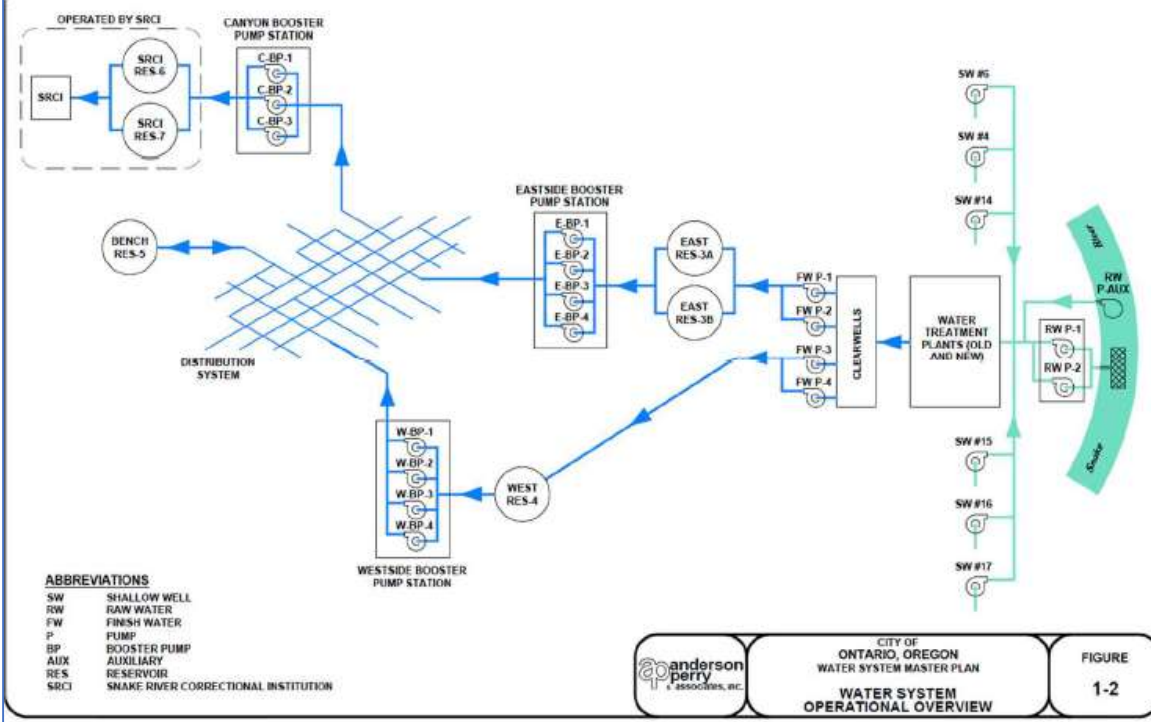
### Public Works Commission

|                                                  | FY 22-23            | FY 23-24             | FY 24-25            | FY 25-26            |
|--------------------------------------------------|---------------------|----------------------|---------------------|---------------------|
| <b>Water</b>                                     |                     |                      |                     |                     |
| Treatment Plant Upgrade & Expansion              | \$ 2,298,500        | \$ 1,760,000         | \$ 492,500          | \$ 115,000          |
| Treatment Plant Other                            | \$ 110,000          | \$ -                 | \$ -                | \$ -                |
| Wells and River Supply                           | \$ -                | \$ 37,500            | \$ 77,500           | \$ 107,500          |
| Booster Stations and Reservoirs                  | \$ 117,000          | \$ 56,000            | \$ 107,500          | \$ -                |
| Vehicles & Equipment                             | \$ 90,000           | \$ 42,500            | \$ 30,000           | \$ -                |
| <b>Total</b>                                     | <b>\$ 2,615,500</b> | <b>\$ 1,896,000</b>  | <b>\$ 707,500</b>   | <b>\$ 222,500</b>   |
| <b>Wastewater</b>                                |                     |                      |                     |                     |
| Treatment System                                 | \$ 170,000          | \$ 905,000           | \$ 20,000           | \$ 150,000          |
| Farm Systems                                     | \$ 30,000           | \$ 133,000           | \$ 533,000          | \$ 82,000           |
| NPDES Regulatory Requirements                    | \$ 700,000          | \$ 800,000           | \$ 500,000          | \$ 500,000          |
| Lift Stations                                    | \$ 100,000          | \$ 85,000            | \$ 35,000           | \$ 40,000           |
| Vehicles and Equipment                           | \$ 52,500           | \$ -                 | \$ -                | \$ -                |
| <b>Total</b>                                     | <b>\$ 1,052,500</b> | <b>\$ 1,923,000</b>  | <b>\$ 1,088,000</b> | <b>\$ 772,000</b>   |
| <b>Utility Capitalization Fund</b>               |                     |                      |                     |                     |
| Economic Development                             | \$ 1,500,000        | \$ -                 | \$ -                | \$ -                |
| Water Lines                                      | \$ 100,000          | \$ 100,000           | \$ 100,000          | \$ 100,000          |
| Lead and Copper Rule Compliance with Federal Law |                     | \$ 500,000           |                     |                     |
| Sewer Lines                                      | \$ -                | \$ 100,000           | \$ 100,000          | \$ 100,000          |
| <b>Total</b>                                     | <b>\$ 1,775,000</b> | <b>\$ 775,000</b>    | <b>\$ 775,000</b>   | <b>\$ 275,000</b>   |
| <b>Streets</b>                                   |                     |                      |                     |                     |
| Economic Development                             | \$ 1,875,000        | \$ 600,000           | \$ 1,500,000        | \$ -                |
| Traffic Control                                  | \$ 35,000           | \$ 1,546,000         | \$ 35,000           | \$ 1,535,000        |
| Pavement Rehabilitation                          | \$ 40,000           | \$ 210,000           | \$ 210,000          | \$ 210,000          |
| Sidewalks & Schools                              | \$ 50,000           | \$ 550,000           | \$ 50,000           | \$ 50,000           |
| Maintenance, Buildings and Grounds               | \$ 25,000           | \$ 50,000            | \$ -                | \$ 50,000           |
| Vehicles & Equipment                             | \$ -                | \$ 223,000           | \$ 385,000          | \$ 40,000           |
| <b>Total</b>                                     | <b>\$ 2,025,000</b> | <b>\$ 3,179,000</b>  | <b>\$ 2,180,000</b> | <b>\$ 1,885,000</b> |
| <b>2023 Water and Sewer Agreements</b>           |                     |                      |                     |                     |
| Water                                            | \$ 84,500           | \$ 15,000            | \$ 15,000           | \$ 15,000           |
| Sewer                                            | \$ 15,000           | \$ -                 | \$ -                | \$ 47,000           |
| <b>Total</b>                                     | <b>\$ 99,500</b>    | <b>\$ 15,000</b>     | <b>\$ 15,000</b>    | <b>\$ 62,000</b>    |
| <b>Stormwater</b>                                |                     |                      |                     |                     |
| Master Plan Implementation                       | \$ 300,000          | \$ -                 | \$ -                | \$ -                |
| Catch Basin Repair & Replacement                 | \$ 50,000           | \$ 50,000            | \$ 50,000           | \$ 50,000           |
| <b>Total</b>                                     | <b>\$ 350,000</b>   | <b>\$ 50,000</b>     | <b>\$ 50,000</b>    | <b>\$ 50,000</b>    |
| <b>Facilities</b>                                |                     |                      |                     |                     |
| City Hall                                        | \$ -                | \$ 235,000           | \$ -                | \$ -                |
| Golf Course Club House                           | \$ -                | \$ -                 | \$ -                | \$ -                |
| Community Development                            |                     | \$ -                 | \$ -                | \$ -                |
| Fire Station #2                                  |                     | \$ -                 | \$ -                | \$ -                |
| <b>Total</b>                                     | <b>\$ -</b>         | <b>\$ 235,000.00</b> | <b>\$ -</b>         | <b>\$ -</b>         |

### Water Fund Summary Sheet

|                                     | FY 22-23            | FY 23-24            | FY 24-25          | FY 25-26          | FY 26-27          |
|-------------------------------------|---------------------|---------------------|-------------------|-------------------|-------------------|
| <b>Water</b>                        |                     |                     |                   |                   |                   |
| Treatment Plant Upgrade & Expansion | \$ 2,298,500        | \$ 1,760,000        | \$ 492,500        | \$ 115,000        | \$ 167,500        |
| Treatment Plant Other               | \$ 110,000          | \$ -                | \$ -              | \$ -              | \$ -              |
| Wells and River Supply              | \$ -                | \$ 37,500           | \$ 77,500         | \$ 107,500        | \$ 335,000        |
| Booster Stations and Reservoirs     | \$ 117,000          | \$ 56,000           | \$ 107,500        | \$ -              | \$ -              |
| Vehicles & Equipment                | \$ 90,000           | \$ 42,500           | \$ 30,000         | \$ -              | \$ 2,500          |
| <b>Total</b>                        | <b>\$ 2,615,500</b> | <b>\$ 1,896,000</b> | <b>\$ 707,500</b> | <b>\$ 222,500</b> | <b>\$ 505,000</b> |

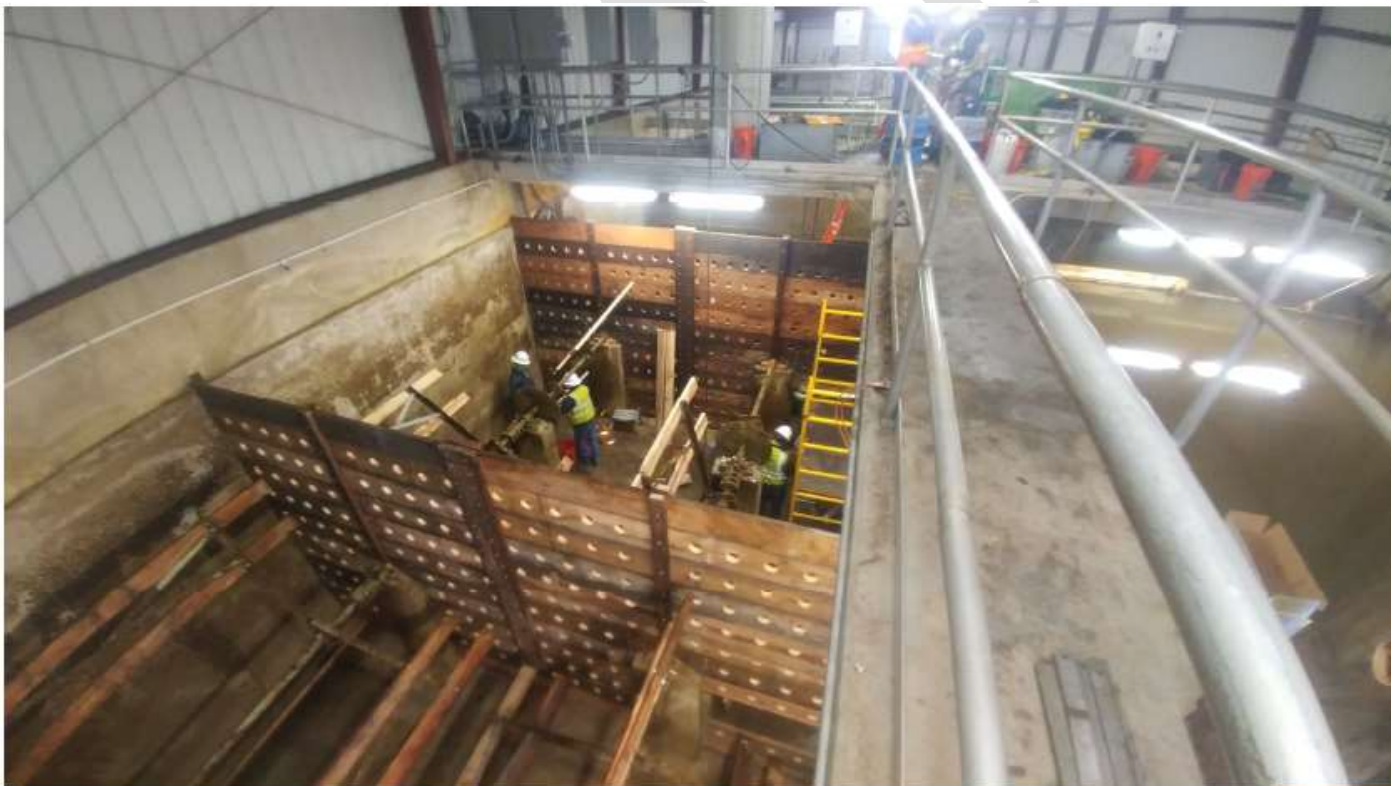
# The Drinking Water Infrastructure consists of....



# Water Production & Distribution Characteristics

- Total Approved Water Rights – 21.6 MGD
- Current Peak Delivery Capacity - 11 MGD
- Current Peak Demand - 9.2 MGD
- Kraft Heinz – 2 MGD
- SRCI – 0.5 MGD

| Water                                        | FY 22-23            | FY 23-24            | FY 24-25          | FY 25-26          | FY 26-27          |
|----------------------------------------------|---------------------|---------------------|-------------------|-------------------|-------------------|
| <b>Water Treatment Plant</b>                 |                     |                     |                   |                   |                   |
| WesTech System Expansion                     | \$ 1,925,000        | \$ -                |                   |                   |                   |
| Floc Mechanism                               | \$ 121,000          | \$ 1,500,000        |                   |                   |                   |
| Chemical Storage Facility                    | \$ -                |                     |                   |                   |                   |
| Chlorine Generator                           |                     |                     | \$ 400,000        |                   |                   |
| MicroChlor                                   |                     | \$ 45,000           |                   |                   |                   |
| Chlorine water conditioning                  |                     | \$ 70,000           |                   |                   |                   |
| Chlorine Pumps (6)                           | \$ 10,000           | \$ 50,000           |                   |                   |                   |
| Pump 1 - 250hp                               | \$ 20,000           |                     |                   |                   |                   |
| Check valve                                  | \$ 7,500            |                     |                   |                   |                   |
| Pump 2 - 150hp                               |                     | \$ 20,000           |                   |                   |                   |
| Check valve                                  |                     | \$ 7,500            |                   |                   |                   |
| Pump 3 - 100hp                               |                     |                     | \$ -              |                   |                   |
| Check valve                                  |                     |                     | \$ -              |                   |                   |
| Pump 4 - 250 hp                              |                     |                     |                   | \$ 20,000         |                   |
| Check valve                                  |                     |                     |                   | \$ 7,500          |                   |
| Decant Pump                                  |                     |                     | \$ 15,000         |                   |                   |
| Motor Control Room Renovation                |                     |                     |                   |                   |                   |
| Automatic Backwash System                    |                     |                     |                   |                   |                   |
| WesTech Filter Media Replacement - Old Plant | 100,000             |                     |                   |                   |                   |
| WesTech Filter Media Replacement - New Plant |                     |                     |                   |                   | 100,000           |
| Small Pump Replacements                      | \$ 15,000           | \$ 7,500            | \$ 7,500          | \$ 7,500          | \$ 7,500          |
| Small Valve Repair and Replacement           |                     | \$ 10,000           | \$ 10,000         | \$ 10,000         | \$ 10,000         |
| Control Room Upgrade                         |                     |                     |                   | \$ 70,000         |                   |
| Building and Grounds                         |                     |                     | \$ 10,000         |                   |                   |
| SCADA Telemetry                              | \$ 100,000          | \$ 50,000           |                   |                   |                   |
| Backwash Solids Removal and Disposal         |                     | \$ -                | \$ 50,000         |                   | \$ 50,000         |
| <b>Subtotal</b>                              | <b>\$ 2,298,500</b> | <b>\$ 1,760,000</b> | <b>\$ 492,500</b> | <b>\$ 115,000</b> | <b>\$ 167,500</b> |
| <b>Water Master Plan Capacity Expansion</b>  |                     |                     |                   |                   |                   |
| Clearwell Improvements with Booster Pumps    |                     | \$ 3,000,000        |                   |                   |                   |
| 3 MG Reservoir                               |                     | \$ 1,500,000        |                   |                   |                   |
| New Distribution Booster Pump Station        |                     | \$ 500,000          |                   |                   |                   |
| Wellfield Improvements                       |                     | \$ 250,000          |                   |                   |                   |
| SCADA Integration                            |                     | \$ 500,000          |                   |                   |                   |
| River Intake Improvements                    |                     | \$ 1,800,000        |                   |                   |                   |
| Engineering Design & Bid Specifications      |                     | \$ 750,000          |                   | \$ -              |                   |
| Engineering Services During Construction     |                     | \$ 750,000          |                   |                   |                   |
| Chemical Storage Facility                    |                     | \$ 500,000          |                   |                   |                   |
| <b>Grant Totals</b>                          |                     | <b>\$ 9,550,000</b> |                   |                   |                   |



| Water                                 | FY 22-23 | FY 23-24  | FY 24-25  | FY 25-26   | FY 26-27   |
|---------------------------------------|----------|-----------|-----------|------------|------------|
| <b>Wells and River Supply Systems</b> |          |           |           |            |            |
| <b>Well 14</b>                        |          |           |           |            |            |
| Well screen cleaning                  |          |           |           | \$ 30,000  |            |
| Pump Repair or Replacement            |          |           |           |            |            |
| Meter Repair or Replacement           |          |           |           |            |            |
| Valve Repair or Replacement           |          |           |           |            |            |
| <b>Well 15</b>                        |          |           |           |            |            |
| Well screen cleaning                  |          |           |           | \$ 30,000  |            |
| Pump Repair or Replacement            |          |           |           | \$ 7,500   |            |
| Meter Repair or Replacement           |          |           |           |            |            |
| Valve Repair or Replacement           |          |           |           |            |            |
| <b>Well 16</b>                        |          |           | \$ 30,000 |            |            |
| Well screen cleaning                  |          |           | \$ 7,500  |            |            |
| Pump Repair or Replacement            |          |           |           |            |            |
| Meter Repair or Replacement           |          |           |           |            |            |
| Valve Repair or Replacement           |          |           |           |            |            |
| <b>Well 4</b>                         |          |           |           |            |            |
| Well screen cleaning                  |          |           | \$ 30,000 |            |            |
| Pump Repair or Replacement            |          |           | \$ 10,000 |            |            |
| Meter Repair or Replacement           |          |           |           |            |            |
| Valve Repair or Replacement           |          |           |           |            |            |
| <b>Well 6</b>                         |          |           |           |            |            |
| Well screen cleaning                  |          |           |           | \$ 30,000  |            |
| Pump Repair or Replacement            |          |           |           | \$ 10,000  |            |
| Meter Repair or Replacement           |          |           |           |            |            |
| Valve Repair or Replacement           |          |           |           |            |            |
| <b>Well 17</b>                        |          |           |           |            |            |
| Well screen cleaning                  |          | \$ 30,000 |           |            |            |
| Pump Repair or Replacement            |          | \$ 7,500  |           |            |            |
| Meter Repair or Replacement           |          |           |           |            |            |
| Valve Repair or Replacement           |          |           |           |            |            |
| <b>Subtotal</b>                       | \$ -     | \$ 37,500 | \$ 77,500 | \$ 107,500 | \$ 335,000 |

| Water                                          | FY 22-23   | FY 23-24  | FY 24-25   | FY 25-26 | FY 26-27 |
|------------------------------------------------|------------|-----------|------------|----------|----------|
| <b>Booster Stations</b>                        |            |           |            |          |          |
| <b>Westside Booster Station</b>                |            |           |            |          |          |
| Reservoir - Regulatory Inspection and Cleaning |            |           | \$ 7,500   |          |          |
| Pump 1 - 200hp                                 |            |           | \$ 17,000  |          |          |
| VFD                                            |            |           | \$ 18,000  |          |          |
| Pump 2 - 200hp                                 | \$ 17,000  |           |            |          |          |
| VFD                                            | \$ 18,000  |           |            |          |          |
| Pump 3 - 200hp                                 |            | \$ 17,000 |            |          |          |
| Soft Start                                     |            | \$ 5,000  |            |          |          |
| Emergency Pump 4 -                             |            |           |            |          |          |
| Flow meter - 20 inch                           |            |           | \$ 15,000  |          |          |
| Valve Repair or Replacement                    |            |           |            |          |          |
| Building                                       |            |           |            |          |          |
| Electrical Panels                              |            |           |            |          |          |
| SCADA                                          |            | \$ 12,000 |            |          |          |
| <b>Eastside Booster Station</b>                |            |           |            |          |          |
| Reservoir - Regulatory Inspection and Cleaning |            |           | \$ 7,500   |          |          |
| Pump 1 - 100hp                                 | \$ 17,000  |           |            |          |          |
| Soft Start                                     | \$ 5,000   |           |            |          |          |
| Pump 2 - 100hp                                 |            | \$ 17,000 |            |          |          |
| Soft Start                                     |            | \$ 5,000  |            |          |          |
| Pump 3 - 150hp                                 |            |           | \$ 17,000  |          |          |
| VFD                                            |            |           | \$ 18,000  |          |          |
| Pump 4 emergency backup and diesel motor       |            |           |            |          |          |
| Flow Meter                                     | \$ 60,000  |           |            |          |          |
| Valve Repair or Replacement                    |            |           |            |          |          |
| Building                                       |            |           |            |          |          |
| Electrical Panels                              |            |           |            |          |          |
| SCADA                                          |            |           |            |          |          |
| New Reservoir                                  |            |           | \$ -       | \$ -     |          |
| <b>Bench</b>                                   |            |           |            |          |          |
| Reservoir - Regulatory Inspection and Cleaning |            |           | \$ 7,500   |          |          |
| chlorine Pump                                  |            |           |            |          |          |
| Valve Repair or Replacement                    |            |           |            |          |          |
| Building                                       |            |           |            |          |          |
| Electrical Panel                               |            |           |            |          |          |
| SCADA                                          |            |           |            |          |          |
| <b>Subtotal</b>                                | \$ 117,000 | \$ 56,000 | \$ 107,500 | \$ -     | \$ -     |

| Water                              | FY 22-23          | FY 23-24         | FY 24-25         | FY 25-26    | FY 26-27        |
|------------------------------------|-------------------|------------------|------------------|-------------|-----------------|
| <b>Regulatory Compliance</b>       |                   |                  |                  |             |                 |
| Water Conservation Master Plan     | \$ 50,000         |                  |                  |             |                 |
| Water Right Metering and Reporting | \$ 50,000         |                  |                  |             |                 |
| Misc. Compliance                   | \$ 10,000         |                  |                  |             |                 |
| <b>Subtotal</b>                    | <b>\$ 110,000</b> | <b>\$ -</b>      | <b>\$ -</b>      | <b>\$ -</b> | <b>\$ -</b>     |
| <b>Vehicles and Equipment</b>      |                   |                  |                  |             |                 |
| Pole Barn for vehicle storage      | \$ 50,000         |                  |                  |             |                 |
| GIS Unit                           |                   | \$ 2,500         |                  |             | \$ 2,500        |
| Pick Up Truck                      |                   |                  | \$ 30,000        |             |                 |
| #355 2002 F-450 flat bed           | \$ 40,000         |                  |                  |             |                 |
| #1310 2020 F-150                   |                   |                  |                  |             |                 |
| #1314 2019 John Deer Backhoe       |                   |                  |                  |             |                 |
| #313 2002 Dodge Ram 1 ton Dump box |                   | \$ 40,000        |                  |             |                 |
| #1494 2018 Ford F-150 pickup WTP   |                   |                  |                  |             |                 |
| #1317 2018 Ford F-150 pickup WTP   |                   |                  |                  |             |                 |
| <b>Subtotal</b>                    | <b>\$ 90,000</b>  | <b>\$ 42,500</b> | <b>\$ 30,000</b> | <b>\$ -</b> | <b>\$ 2,500</b> |

### WasteWater Fund Summary Sheet

|                               | FY 22-23            | FY 23-24            | FY 24-25            | FY 25-26          | FY 26-27            |
|-------------------------------|---------------------|---------------------|---------------------|-------------------|---------------------|
| <b>Wastewater</b>             |                     |                     |                     |                   |                     |
| Treatment System              | \$ 170,000          | \$ 905,000          | \$ 20,000           | \$ 150,000        | \$ 1,125,000        |
| Farm Systems                  | \$ 30,000           | \$ 133,000          | \$ 533,000          | \$ 82,000         | \$ 240,000          |
| NPDES Regulatory Requirements | \$ 700,000          | \$ 800,000          | \$ 500,000          | \$ 500,000        | \$ 500,000          |
| Lift Stations                 | \$ 100,000          | \$ 85,000           | \$ 35,000           | \$ 40,000         | \$ 15,000           |
| Vehicles and Equipment        | \$ 52,500           | \$ -                | \$ -                | \$ -              | \$ 32,500           |
| <b>Total</b>                  | <b>\$ 1,052,500</b> | <b>\$ 1,923,000</b> | <b>\$ 1,088,000</b> | <b>\$ 772,000</b> | <b>\$ 1,912,500</b> |

### Treatment System Details

|                                        | FY 22-23          | FY 23-24          | FY 24-25         | FY 25-26          | FY 26-27            |
|----------------------------------------|-------------------|-------------------|------------------|-------------------|---------------------|
| <b>Wastewater Treatment</b>            |                   |                   |                  |                   |                     |
| <b>Headworks</b>                       |                   |                   |                  |                   |                     |
| Bar Screen Replacement                 |                   | \$ 300,000        |                  |                   |                     |
| New Conveyor                           | \$50,000          |                   |                  |                   |                     |
| Septage station rehab/ Decommission    |                   |                   |                  | \$ 150,000        |                     |
| New Roof and Paint                     |                   |                   |                  |                   |                     |
| Dump Pit Retrofit                      |                   | \$ 70,000         |                  |                   |                     |
| Headworks Building                     |                   |                   |                  |                   | \$ 100,000          |
| <b>Aerated Lagoon Treatment System</b> |                   |                   |                  |                   |                     |
| New Solar Aerators in secondary Cells  |                   | \$ 175,000        |                  |                   |                     |
| New road rock and rip wrap             |                   | \$ 250,000        |                  |                   |                     |
| Biosolids Management                   |                   |                   |                  |                   | \$ 1,000,000        |
| pH Adjustment System                   |                   |                   | \$ 10,000        |                   |                     |
| So2 Monitor                            |                   | \$ 10,000         |                  |                   |                     |
| Disinfection and Dechlorination System | \$ 10,000         | \$ 100,000        |                  |                   |                     |
| Laboratory                             |                   |                   |                  |                   | \$ 25,000           |
| Office Building New Roof/ Repair       | 15,000            |                   |                  |                   |                     |
| Office Building New Floor and paint    |                   |                   | \$10,000         |                   |                     |
| Shop Building New Roof/ Repair         | \$30,000          |                   |                  |                   |                     |
| Shop Building Lean to cover (westside) | \$15,000          |                   |                  |                   |                     |
| PLC's                                  |                   |                   |                  |                   |                     |
| SCADA Telemetry                        | \$ 50,000         |                   |                  |                   |                     |
| Security System                        |                   |                   |                  |                   |                     |
| <b>Subtotal</b>                        | <b>\$ 170,000</b> | <b>\$ 905,000</b> | <b>\$ 20,000</b> | <b>\$ 150,000</b> | <b>\$ 1,125,000</b> |

### Utility Capitalization Summary Sheet

|                                    | Project Budget      | FY 21-22          | FY 22-23            | FY 23-24          | FY 24-25          | FY 25-26          | FY 26-27          |
|------------------------------------|---------------------|-------------------|---------------------|-------------------|-------------------|-------------------|-------------------|
| <b>Utility Capitalization Fund</b> |                     |                   |                     |                   |                   |                   |                   |
| Economic Development               | \$ 1,880,000        | \$ 380,000        | \$ 1,500,000        | \$ -              | \$ -              | \$ -              | \$ -              |
| Water Lines                        | \$ 500,000          | \$ -              | \$ 100,000          | \$ 100,000        | \$ 100,000        | \$ 100,000        | \$ 100,000        |
| Sewer Lines                        | \$ 450,000          | \$ 75,000         | \$ 75,000           | \$ 75,000         | \$ 75,000         | \$ 75,000         | \$ 75,000         |
| <b>Total</b>                       | <b>\$ 2,830,000</b> | <b>\$ 455,000</b> | <b>\$ 1,675,000</b> | <b>\$ 175,000</b> | <b>\$ 175,000</b> | <b>\$ 175,000</b> | <b>\$ 175,000</b> |

### Street Fund Detail

#### Streets

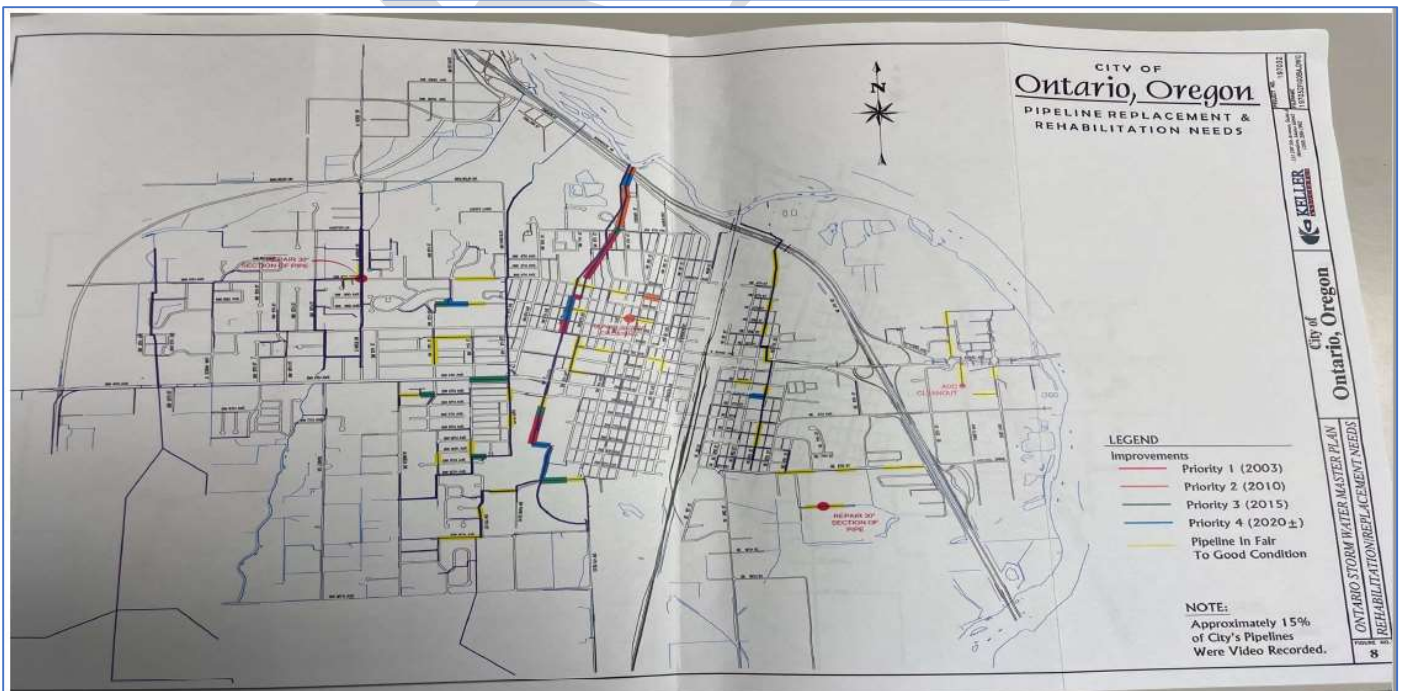
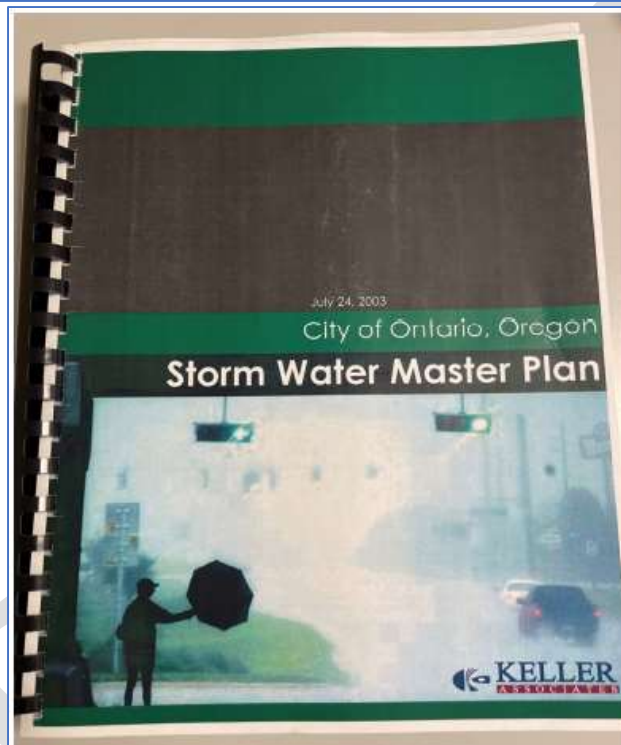
|                                    |                     |                     |                     |                     |                   |
|------------------------------------|---------------------|---------------------|---------------------|---------------------|-------------------|
| Economic Development               | \$ 1,875,000        | \$ 600,000          | \$ 1,500,000        | \$ -                | \$ -              |
| Traffic Control                    | \$ 35,000           | \$ 1,546,000        | \$ 35,000           | \$ 1,535,000        | \$ -              |
| Pavement Rehabilitation            | \$ 40,000           | \$ 210,000          | \$ 210,000          | \$ 210,000          | \$ -              |
| Sidewalks & Schools                | \$ 50,000           | \$ 550,000          | \$ 50,000           | \$ 50,000           | \$ 50,000         |
| Maintenance, Buildings and Grounds | \$ 25,000           | \$ 50,000           | \$ -                | \$ 50,000           | \$ -              |
| Vehicles & Equipment               | \$ -                | \$ 223,000          | \$ 385,000          | \$ 40,000           | \$ 430,000        |
| <b>Total</b>                       | <b>\$ 2,025,000</b> | <b>\$ 3,179,000</b> | <b>\$ 2,180,000</b> | <b>\$ 1,885,000</b> | <b>\$ 480,000</b> |

### SRCI Water and Sewer Agreement Summary Sheet

| SRCI Infrastructure and Maintenance      | FY 22-23         | FY 23-24         | FY 24-25         | FY 25-26         | FY 26-27    |
|------------------------------------------|------------------|------------------|------------------|------------------|-------------|
| <b>Water</b>                             |                  |                  |                  |                  |             |
| 12" PVC Water Line                       |                  |                  |                  |                  |             |
| <u>Canyon Booster Station</u>            |                  |                  |                  |                  |             |
| Reservoir                                |                  |                  |                  |                  |             |
| Pump 1                                   |                  | \$ 15,000        |                  |                  |             |
| Pump 2                                   |                  |                  | \$ 15,000        |                  |             |
| Pump 3                                   | \$ 15,000        |                  |                  | \$ 15,000        |             |
| Valve Repair or Replacement              | \$ 7,500         |                  |                  |                  |             |
| Building                                 |                  |                  |                  |                  |             |
| Generator                                | \$ 50,000        |                  |                  |                  |             |
| Electrical Panels and Switchgear         |                  |                  |                  |                  |             |
| SCADA                                    | \$ 12,000        |                  |                  |                  |             |
| <b>Total</b>                             | <b>\$ 84,500</b> | <b>\$ 15,000</b> | <b>\$ 15,000</b> | <b>\$ 15,000</b> | <b>\$ -</b> |
| <b>Wastewater</b>                        |                  |                  |                  |                  |             |
| Manhole Frame and Cover Repair           |                  |                  |                  | \$ 37,000        |             |
| Re-Line Hanholes                         |                  |                  |                  |                  |             |
| 15" Gravity Sewer                        |                  |                  |                  |                  |             |
| 6" PVC Forcemain                         |                  |                  |                  |                  |             |
| 10" PVC Forcemain                        |                  |                  |                  |                  |             |
| Lift Station Maintenance                 | \$ 10,000        |                  |                  |                  |             |
| Headworks                                | \$ 5,000         |                  |                  | \$ 10,000        |             |
| <u>Lower Lift Station Siphon</u>         |                  |                  |                  |                  |             |
| Engineering Design and Bidding           |                  |                  |                  |                  |             |
| Engineering Services During Construction |                  |                  |                  |                  |             |
| Construction                             |                  |                  |                  |                  |             |
| <b>Total</b>                             | <b>\$ 15,000</b> | <b>\$ -</b>      | <b>\$ -</b>      | <b>\$ 47,000</b> | <b>\$ -</b> |
| <b>Total</b>                             | <b>\$ 99,500</b> | <b>\$ 15,000</b> | <b>\$ 15,000</b> | <b>\$ 62,000</b> | <b>\$ -</b> |

### Storm Water Fund Summary Sheet

|                                  | FY 22-23          | FY 23-24         | FY 24-25         | FY 25-26         | FY 26-27         |
|----------------------------------|-------------------|------------------|------------------|------------------|------------------|
| <b>Stormwater</b>                |                   |                  |                  |                  |                  |
| Master Plan Implementation       | \$ 300,000        | \$ -             | \$ -             | \$ -             | \$ -             |
| Catch Basin Repair & Replacement | \$ 50,000         | \$ 50,000        | \$ 50,000        | \$ 50,000        | \$ 50,000        |
| <b>Total</b>                     | <b>\$ 350,000</b> | <b>\$ 50,000</b> | <b>\$ 50,000</b> | <b>\$ 50,000</b> | <b>\$ 50,000</b> |



*City of Ontario Storm Water Master Plan*

### 8.0 – SUMMARY OF COSTS AND RATE IMPACTS

#### 8.1 SUMMARY OF COSTS AND RATE IMPACTS

##### 8.1.1 Estimate of Most Probable Cost

Table 1.1 summarizes the improvements and their associated costs. A more detailed estimate of most probable cost is presented in Appendix F.

**TABLE 8.1  
ESTIMATE OF MOST PROBABLE COST**

| Priority I Improvements (2003)                                                                                                | Project Cost*      |
|-------------------------------------------------------------------------------------------------------------------------------|--------------------|
| Double Trunk Line and Park Blvd Basin: Downtown Improvement-Alternative A                                                     | \$1,456,200        |
| Double Trunk Line Basin: TVCC Sedimentation Basin/Structure                                                                   | \$25,000           |
| Double Trunk Line Basin: Repair Sanitary Sewer Pipe Crossing on NW 2 <sup>nd</sup> Ave                                        | \$4,000            |
| Double Trunk Line Basin: Repair area around Pennington Drive                                                                  | \$15,000           |
| HFF Basin: Correct reverse grade on SE 4 <sup>th</sup> St. between SE 4 <sup>th</sup> Ave and SE 5 <sup>th</sup> Avenue       | \$14,000           |
| Verde Street Basin: Replace 30" Collapsing Pipe Section at Verde and NW 4 <sup>th</sup> Avenue                                | \$3,040            |
| Kmart Basin: Add Cleanout south of ODOT office on SE Kendall Road                                                             | \$2,000            |
| Kmart Basin: Upsize 15-inch along East Ln and north of Kmart/Ernst Parking                                                    | \$67,350           |
| Miscellaneous Basins: Replace 30-ft section of concrete pipe on SE 11 <sup>th</sup> Avenue                                    | \$4,375            |
| Miscellaneous Basins: Miscellaneous Smaller Sedimentation Basins/Structures                                                   | \$20,000           |
| Miscellaneous Basins: Kendall Pit 18-inch Pipeline from SE 9 <sup>th</sup> Ave to SE 5 <sup>th</sup> Ave                      | \$53,475           |
| <b>TOTAL PRIORITY I</b>                                                                                                       | <b>\$1,664,440</b> |
| <b>Priority II Improvements (2010)</b>                                                                                        |                    |
| Double Trunk Line and Park Blvd Basin: Downtown Improvement-Alternative A                                                     | \$101,770          |
| Double Trunk Line Basin: Replace 15-inch on NW 4 <sup>th</sup> Ave, between NW 2 <sup>nd</sup> St. and NW 3 <sup>rd</sup> St. | \$13,180           |
| <b>TOTAL PRIORITY II</b>                                                                                                      | <b>\$114,950</b>   |
| <b>Priority III Improvements (2015)</b>                                                                                       |                    |
| Double Trunk Line Basin: Replace 21-inch along SW 11 <sup>th</sup> Ave north of TVCC ballparks                                | \$22,050           |
| Park Blvd Basin: Replace 24-inch along SW 4 <sup>th</sup> Ave west of Park Blvd.                                              | \$37,580           |
| Park Blvd Basin: Replace 8-inch with 12-inch south of Sears Dr.                                                               | \$6,900            |
| Park Blvd Basin: Replace 12-inch along SW 5 <sup>th</sup> Ave west of SW 12 <sup>th</sup> St.                                 | \$8,770            |
| <b>TOTAL PRIORITY III</b>                                                                                                     | <b>\$75,300</b>    |
| <b>TOTAL PROJECT COST</b>                                                                                                     | <b>\$1,854,690</b> |

\*Project Cost includes engineering and contingencies

197032/3/03-380      8 - 1      July 2003

### Buildings and Facilities Fund Sheet

| Project                       | FY 22-23 | FY 23-24     | FY 24-25 | FY 25-26 |
|-------------------------------|----------|--------------|----------|----------|
| <b>Facilities Maintenance</b> |          |              |          |          |
| <b>City Hall</b>              |          |              |          |          |
| Elevator                      |          | \$115,000.00 |          |          |
| HVAC System                   |          | \$120,000.00 |          |          |
| Roofing                       |          |              |          |          |
| <b>Subtotal</b>               | \$ -     | \$235,000.00 | \$ -     | \$ -     |
| <b>Golf Course Club House</b> |          |              |          |          |
| Roofing                       |          |              |          |          |
| HVAC System                   |          |              |          |          |
| <b>Subtotal</b>               | \$ -     | \$ -         | \$ -     | \$ -     |
| <b>Community Development</b>  |          |              |          |          |
| Roofing                       |          |              |          |          |
| HVAC System                   |          |              |          |          |
| <b>Subtotal</b>               | \$ -     | \$ -         | \$ -     | \$ -     |
| <b>Fire Station #2</b>        |          |              |          |          |
| Roofing                       |          |              |          | \$ -     |
| Boiler/HVAC System            |          |              |          | \$ -     |
| <b>Subtotal</b>               | \$ -     | \$ -         | \$ -     | \$ -     |
| <b>Total</b>                  |          | \$ 235,000   | \$ -     | \$ -     |

City Facilities such as City Hall, Community Development Building, Fire Station #2 and Golf Course Club House have not historically requested capital expenditures. This year's request is to address needs of the HVAC System and Elevator at City Hall for approximately \$235,000.



HVAC system in City has these air handling units in each room, the motors are worn out and they no longer make the motors so the whole unit has to be replaced



The electrical relays in the elevator unit last approximately one year and have now been discontinued. The elevator manufacturer, Thyssenkrupp recommends replacement upgrade to avoid elevator shut down.

RESOLUTION, ACTION &/OR MOTION:

**THE MOTION WAS MADE BY MR. WOODCOCK, SECONDED BY MR. CHRISTIANI THAT THE PUBLIC WORKS COMMITTEE RECOMMEND THE CITY OF ONTARIO'S BUDGET COMMITTEE ADOPT THE CAPITAL IMPROVEMENT PROJECT PLAN AS PRESENTED: SCOTT WILSON – YES; PAT WOODCOCK – YES; JACKSON FOX – YES; AL CHRISTIANI – YES; MOTION PASSED 4-0-1 (GALEENER-EXCUSED).**

### DISCUSSION ITEMS

*PIW* – For the year staff would like to lay out our ideas for items to bring forward for your input. For instance, on the Water system if there is interest we'd be happy to devote more time to this Lead and Copper issue, lay it out and describe it. Describe where we are with implementation of the Water Master Plan and where we are with the SRO funds; we could devote a whole meeting just to the Water System. On the Wastewater side we are developing the Wastewater Facility Plan; that's a 20-year look at how we are going to provide wastewater services to the community, and that will need to be adopted by "you". So, we would like to have a meeting maybe where we introduce it, and another meeting when we come back and approve it.

In addition to that, by the beginning of June we need to re-apply for our Wastewater Discharge Permit. We would like to present to you in May some of the arguments we're gonna make and see if you support that as part of the application. We have the SE 5<sup>th</sup> Ave Pedestrian improvements; we'd like to show you those design plans prior to them being finalized. The Safe Routes to School sidewalk program we'd like to share. So, those are just some ideas from staff of things we'd like to share if you have interest.

*SW* – I'm okay with you sending those to everybody on the committee and then we can just via email get back and help decide which ones are important to put on the agenda between meetings.

*JF* – Understanding that all of it needs to be brought forward to the PWC.

*DC* – Correct to an extent. Ordinance does state that any proposed streets developments, etc. will be presented to the Public Works Committee to keep them up to speed on what's going on. Because one of the reasons for that is if there's some special criteria that needs to be done that is technically not covered under our current Public Works Standards it definitely needs to be reviewed and approved by the Public Works Committee. And the Committee and Council can ask to have anything put on the agenda.

*PIW* – Also there are times that items originate at Council. For example, extending water and sewer to T200 and Navarette wasn't brought forward because the Council gave us that direction. No Parking in that NE area also originated at Council. So, those things are going to happen, and we have to respond if the Council directs us. But our intent is to bring everything that we are aware of and present it to you so we get that feedback and Council can benefit from that as well.

*DC* – Correct. Because sometimes the Council directs us to get things done and there is not time to bring it to the committee. So please don't get angry at staff. And we will still try to keep you informed because it is important.

*(Continued discussion)*

---

### COMMENTS

*SW* – Because everyone has busy schedules we are not always available for meetings. In the past we used to announce at the end of each meeting that "the next meeting is "X" date, and can everyone make it?" If not, we were flexible enough to adjust it a week. That way we would have a higher probability of having a quorum; now it feels like these set dates are in stone. Do we want to go back to that kind of flexibility, or do we want to stay on a set schedule?

What is the next meeting date in March?

*SM* – The next PWC Meeting date is March 21, 2023.

*SW* – I am the President of a National Non-Profit. Our annual meeting is March 20-22, and I can't get out of that. I will be in Atlanta. So is there flexibility to change our meeting dates by a few days? Or??

*DC* – I'll address that to a certain extent. Yes, you can change them occasionally. Since this is a public, city committee we have to advertise the meetings. So, For all the committees we post them in the paper one time for the whole year. And there are several reasons for it: 1. For the public meeting laws because the public has a right to attend, 2. Scheduling the rooms accordingly, 3. Would be too difficult to schedule at each meeting, staff, etc. Emergencies come up and all we have to do is give a 24-hour notice so we can change it, post it on the website, etc.

So, do you have a date Scott that you are thinking since you cannot make the 21<sup>st</sup> of March?

*JF* – Mr. Chairman, I can accommodate any date the week before or the week after that. I value your input at these meetings so, maybe you can point out a day that works for you and ask us.

*DC* – Council is the week before and the week after on Tuesdays.

*SW* – Could we go on Thursday the week before? March 16<sup>th</sup>?

*DC* – The Parks Committee meets on that date; however, they don't meet until evening. So, Yes that would work if you wanted to keep it at 3:00 - 5:00 p.m.

**RESOLUTION, ACTION &/OR MOTION:**

**THE MOTION WAS MADE BY MR. CHRISTIANI, SECONDED BY MR. FOX TO MOVE THE NEXT PUBLIC WORKS COMMITTEE MEETING TO THURSDAY, MARCH 16, 2023, FROM THE ORIGINALLY SET DATE OF MARCH 21<sup>ST</sup>: MOTION PASSED UNANIMOUSLY.**

**ADJOURN 4:49 PM**

Woodcock moved; Christiani seconded **TO ADJOURN**: Motion passed unanimously.

**APPROVED:**

\_\_\_\_\_  
*Signature*

\_\_\_\_\_  
*Date*

*(Scott Wilson, Chairman / Jake Galeener, Vice-Chairman)*



**AGENDA REPORT  
NEW BUSINESS  
March 16, 2023**

To: Public Works Committee

FROM: Paul Woods, City Engineer

SUBJECT: **CHANGES TO ODOT FUND EXCHANGE PROGRAM AND RECOMMENDATIONS  
TO ADDRESS THE NEW CHANGES**

DATE: March 1, 2023

---

**PROPOSED MOTION:**

**I MOVE THE PUBLIC WORKS COMMITTEE RECOMMENDS TO THE ONTARIO CITY COUNCIL STAFF'S PLAN TO IMMEDIATELY REQUEST DISBURSEMENT OF ALL AVAILABLE FUNDS FROM ODOT TO THE CITY AND TO PLEDGE UTILIZATION OF THE FUNDS FOR PAVEMENT REHABILITATION ON EAST LANE.**

**SUMMARY:**

The City of Ontario has been a participant in the ODOT Fund exchange program that was established to take federal highway dollars and reclassify the funds as non-federal monies in order to use the funds as matching dollars on federal grant projects. ODOT notified the City in January of a policy change that would discontinue the program by the end of the year and that participants must use all available dollars by that time. Staff have coordinated with ODOT and determined that funds can be requested immediately with a pledge to use the funds on an eligible roadway project. Staff recommends the monies be pledged to pavement rehabilitation on East Lane given the condition and volume of traffic.

**BACKGROUND:**

The City of Ontario has been a participant in the ODOT Fund exchange program that was established to take federal highway dollars and reclassify the funds as non-federal monies in order to use the funds as matching dollars on federal grant projects. ODOT notified the City in January of a policy change that would discontinue the program by the end of the year and that participants must use all available dollars by that time.

**CURRENT SITUATION:**

Staff have coordinated with ODOT and determined that funds can be requested immediately with a pledge to use the funds on an eligible roadway project. Staff recommends the monies be pledged to pavement rehabilitation on East Lane given the condition and volume of traffic.

**ANALYSIS:**

- A. **STRATEGIC PLAN** The work is consistent with the strategic plan.

- B. **FINANCIAL** The project involves the receipt of monies from ODOT and will not create a financial obligation on the General Fund budget without additional authorization.
- C. **TIMING** Time is of the essence in resolving the matter.
- D. **POLICY/LEGAL** None

**ALTERNATIVES:**

If the City does not act to request funds from the exchange, the monies will be lost.

**RECOMMENDATION:**

Staff recommends the Public Works Committee recommend to the Ontario City Council staff's plan to immediately request disbursement of all available funds from ODOT to the City and to pledge utilization of the funds for pavement rehabilitation on East Lane.

**ATTACHMENTS:**

1. PWC Presentation on ODOT Fund Exchange Changes



# ODOT Fund Exchange Policy Change

Public Works Committee  
March 16, 2023



# ODOT Fund Exchange

## What is Fund Exchange?

The Fund Exchange program provides local agencies a flexible funding option for delivering transportation improvements without being constrained by federal requirements. Funding may only be used for projects that are consistent with the Oregon Constitution, Article IX, Section 3a. Please contact your organization's attorney to determine project/item eligibility.



# Oregon Constitution Language



**Section 3a. Use of revenue from taxes on motor vehicle use and fuel; legislative review of allocation of taxes between vehicle classes.** (1) Except as provided in subsection (2) of this section, revenue from the following shall be used exclusively for the construction, reconstruction, improvement, repair, maintenance, operation and use of public highways, roads, streets and roadside rest areas in this state:

- (a) Any tax levied on, with respect to, or measured by the storage, withdrawal, use, sale, distribution, importation or receipt of motor vehicle fuel or any other product used for the propulsion of motor vehicles; and
  - (b) Any tax or excise levied on the ownership, operation or use of motor vehicles.
- (2) Revenues described in subsection (1) of this section:
- (a) May also be used for the cost of administration and any refunds or credits authorized by law.
  - (b) May also be used for the retirement of bonds for which such revenues have been pledged.
  - (c) If from levies under paragraph (b) of subsection (1) of this section on campers, motor homes, travel trailers, snowmobiles, or like vehicles, may also be used for the acquisition, development, maintenance or care of parks or recreation areas.
  - (d) If from levies under paragraph (b) of subsection (1) of this section on vehicles used or held out for use for commercial purposes, may also be used for enforcement of commercial vehicle weight, size, load, conformation and equipment regulation.

(3) Revenues described in subsection (1) of this section that are generated by taxes or excises imposed by the state shall be generated in a manner that ensures that the share of revenues paid for the use of light vehicles, including cars, and the share of revenues paid for the use of heavy vehicles, including trucks, is fair and proportionate to the costs incurred for the highway system because of each class of vehicle. The Legislative Assembly shall provide for a biennial review and, if necessary, adjustment, of revenue sources to ensure fairness and proportionality. [Created through S.J.R. 7, 1979, and adopted by the people May 20, 1980 (this section and section 3 adopted in lieu of former section 3 of this Article); Amendment proposed by S.J.R. 44, 1999, and adopted by the people Nov. 2, 1999; Amendment proposed by S.J.R. 14, 2003, and adopted by the people Nov. 2, 2004]



# ODOT Fund Exchange

## What authorizes Fund Exchange?

The Oregon Department of Transportation has an agreement, located with the Association of Oregon Counties (AOC) and League of Oregon Cities (LOC) which provides Federal Surface Transportation Block Grant (STBG) funds to cities, counties, and non-Transportation Management Area (TMA) Metropolitan Planning Organizations. Fund Exchange provides an opportunity for local cities and counties to exchange their Federal STBG dollars for State Highway Fund dollars.



# ODOT Fund Exchange

## New in 2023:

According to AOC, Oregon Counties took “no position” on the revised Fund Exchange proposal and instead will follow federal aid project requirements (\*see below). Counties may still draw the allocated fund exchange for years 2022 and prior, but those funds must be requested by 12/31/2023 or they will lapse. Additionally, for cities/MPOs using the Fund Exchange up to \$250,000 may be exchanged at the 90¢ rate and any funds \$250,000 and above may be exchanged at a 1-for-1 ratio, but must be used on bridge projects only. Any funding above \$250,000 that doesn't qualify for bridge projects is considered federal. Cities may still draw the allocated fund exchange for years 2022 and prior, but those funds must be requested by 12/31/2023 or they will lapse. \*\*2023 forward Local Agencies cannot carry a balance of more than 4 years STBG allocation





Staff recommends pavement rehabilitation on East Lane as the most pressing need that qualifies for use of the funds under the Fund Exchange. Project improvements do not need to be made prior to requesting fund withdrawal, only a pledge to use the funds for a specific project such as this.



| 2023 East Lane Rehabilitation<br>February 9, 2023 |                                                       |                    |      |              |                     |
|---------------------------------------------------|-------------------------------------------------------|--------------------|------|--------------|---------------------|
| Unit Price Schedule                               |                                                       |                    |      |              |                     |
| Item No.                                          | Description                                           | Estimated Quantity | Unit | Unit Price   | Extended Unit Price |
| TEMPORARY                                         |                                                       |                    |      |              |                     |
| 1                                                 | Mobilization (≤10% of schedule bid total)             | 1                  | LS   | \$ 55,000.00 | \$ 55,000.00        |
| 2                                                 | Construction Survey                                   | 1                  | LS   | \$ 5,000.00  | \$ 5,000.00         |
| 3                                                 | Traffic Control                                       | 1                  | LS   | \$ 35,000.00 | \$ 35,000.00        |
| 4                                                 | Temporary Erosion & Sediment Control                  | 1                  | LS   | \$ 2,500.00  | \$ 2,500.00         |
| 5                                                 | Dust Control                                          | 1                  | LS   | \$ 1,500.00  | \$ 1,500.00         |
| DEMOLITION                                        |                                                       |                    |      |              |                     |
| 6                                                 | Excavation (6" to get down to flow line)              | 465                | CY   | \$ 100.00    | \$ 46,500.00        |
| 7                                                 | Removal of Curb & Gutter                              | 0                  | LF   | \$ 48.50     | \$ -                |
| 8                                                 | Pulverize or Remove AC - Roadway                      | 2,770              | SY   | \$ 13.50     | \$ 37,395.00        |
|                                                   | Move pulverized material & regrade                    | 2,770              | CY   | \$ 30.00     | \$ 83,100.00        |
| ROADWAY MATERIALS                                 |                                                       |                    |      |              |                     |
| 9                                                 | CRABS                                                 | 2,770              | SY   | \$ 3.70      | \$ 10,249.00        |
| 10                                                | Portland Cement                                       | 21                 | TN   | \$ 285.00    | \$ 6,078.77         |
| 11                                                | 3/4" minus Aggregate Base Course                      | 0                  | CY   | \$ 80.00     | \$ -                |
| 12                                                | AC Pavement, SuperPave SP-3, PG64-28, 3/4" (Roadways) | 596                | TN   | \$ 165.00    | \$ 98,414.29        |
| 13                                                | Zero-Reveal Curb                                      | 0                  | LF   | \$ 54.50     | \$ -                |
| 14                                                | 6" Curb                                               | 0                  | LF   | \$ 66.50     | \$ -                |
| 15                                                | 4' Concrete Valley Gutter                             | 0                  | LF   | \$ 90.50     | \$ -                |
| 16                                                | Pavement Markings                                     | 0                  | LF   | \$ 0.70      | \$ -                |
| ROADWAY REBUILD EFFORT                            |                                                       |                    |      |              |                     |

|                                   |                                            |     |    |             |               |
|-----------------------------------|--------------------------------------------|-----|----|-------------|---------------|
| REBUILD DEMOLITION                |                                            |     |    |             |               |
| 17                                | Excavate Unsuitable Materials (24")        | 462 | CY | \$ 100.00   | \$ 46,168.98  |
| REBUILD MATERIALS                 |                                            |     |    |             |               |
| 18                                | 3/4" minus Aggregate Base Course (6")      | 120 | CY | \$ 80.00    | \$ 9,600.00   |
| 19                                | 2" Minus Subbase Material (12")            | 240 | CY | \$ 2.00     | \$ 480.00     |
| 20                                | Foundation Stabilization (6")              | 120 | CY | \$ 2.00     | \$ 240.00     |
| UTILITIES                         |                                            |     |    |             |               |
| 21                                | Sediment Catch Basin                       | 7   | EA | \$ 6,850.00 | \$ 47,950.00  |
| 22                                | New 16" CMP Culvert                        | 0   | LF | \$ 100.00   | \$ -          |
| 23                                | Whirly gig/Grade Ring adjustment - Manhole | 5   | EA | \$ 2,100.00 | \$ 10,500.00  |
| 24                                | Adjust Inlet                               | 6   | EA | \$ 1,600.00 | \$ 9,600.00   |
| 25                                | Adjust Gas Valve Box & Lid                 | 2   | EA | \$ 2,100.00 | \$ 4,200.00   |
| 26                                | Adjust Pullbox (Traffic Rated)             | 0   | EA | \$ 685.00   | \$ -          |
| 27                                | Adjust Water Valve Box & Lid               | 4   | EA | \$ 2,100.00 | \$ 8,400.00   |
| 28                                | Concrete Collar - Valve                    | 6   | EA | \$ 1,400.00 | \$ 8,400.00   |
| 29                                | Concrete Collar - Manhole                  | 5   | EA | \$ 1,400.00 | \$ 7,000.00   |
| Total of Extended Unit Prices     |                                            |     |    |             | \$ 533,276.03 |
|                                   |                                            |     |    |             |               |
| Survey (3% of construction cost)  |                                            |     |    |             | \$ 16,000.00  |
| Design (10% of construction cost) |                                            |     |    |             | \$ 53,000.00  |
| Project Contingency (15%)         |                                            |     |    |             | \$ 160,000.00 |
|                                   |                                            |     |    |             |               |
|                                   |                                            |     |    |             | \$ 762,276.03 |



Total Cost Estimate is \$763K with 15% contingency

Total Available Funds: \$748K



# Questions or Comments?





**AGENDA REPORT  
NEW BUSINESS  
March 16, 2023**

To: Public Works Committee  
FROM: Paul Woods, City Engineer  
SUBJECT: **NPDES PERMIT RE-APPLICATION SUBMITTAL TO OREGON DEQ**  
DATE: March 1, 2023

---

**PROPOSED MOTION:**

**I MOVE THE PUBLIC WORKS COMMITTEE RECOMMEND TO THE ONTARIO CITY COUNCIL THE PROPOSED NPDES PERMIT APPLICATION STRATEGY AS PRESENTED BY STAFF.**

**SUMMARY:**

The City's wastewater discharge activities are regulated under a discharge authorization permit from Oregon DEQ. The existing permit expires on November 30, 2023 and requires re-application by June 1, 2023. Staff have prepared the necessary submittal information and have developed specific requests for modification from the current permit in the reapplication.

**BACKGROUND:**

The City's wastewater discharge activities are regulated under a discharge authorization permit from Oregon DEQ. The existing permit expires on November 30, 2023 and requires re-application by June 1, 2023.

**CURRENT SITUATION:**

Staff have prepared the necessary submittal information and have developed specific requests for modification from the current permit in the reapplication.

**ANALYSIS:**

- A. **STRATEGIC PLAN** The proposed re-application is consistent with the Strategic Plan
- B. **FINANCIAL** The permit imposes significant obligations on the City that require considerable funding to implement over time.
- C. **TIMING** The reapplication must be submitted by June 1, 2023.
- D. **POLICY/LEGAL** The City is allowed the opportunity to request permit conditions and if Oregon DEQ does not incorporate those changes there is an appeal process that ultimately could involve legal action.

**ALTERNATIVES:**

The City must re-apply or risk losing the authorization to discharge wastewater.

**RECOMMENDATION:**

Staff recommends that the Public Works Committee recommend to the Ontario City Council the proposed NPDES Permit Application strategy as presented by staff.

**ATTACHMENTS:**

1. PWC Presentationon ReApplication



# NPDES Permit Re-Application to Oregon DEQ

Public Works Committee  
March 16, 2023



# Facility Background

- The City's wastewater treatment facility receives primarily domestic wastewater from residential and commercial sources (City population 11,300) and from the Snake River Correctional Institution (SRCI population 3,000 inmates and 1,000 staff approximately). Septage may be also received at the facility, as the permittee holds a hauled waste receiving plan, however the permittee has not been accepting hauled waste at the time of inspection. There are no known industrial categorical users contributing wastewater to the facility.



# Facility Background

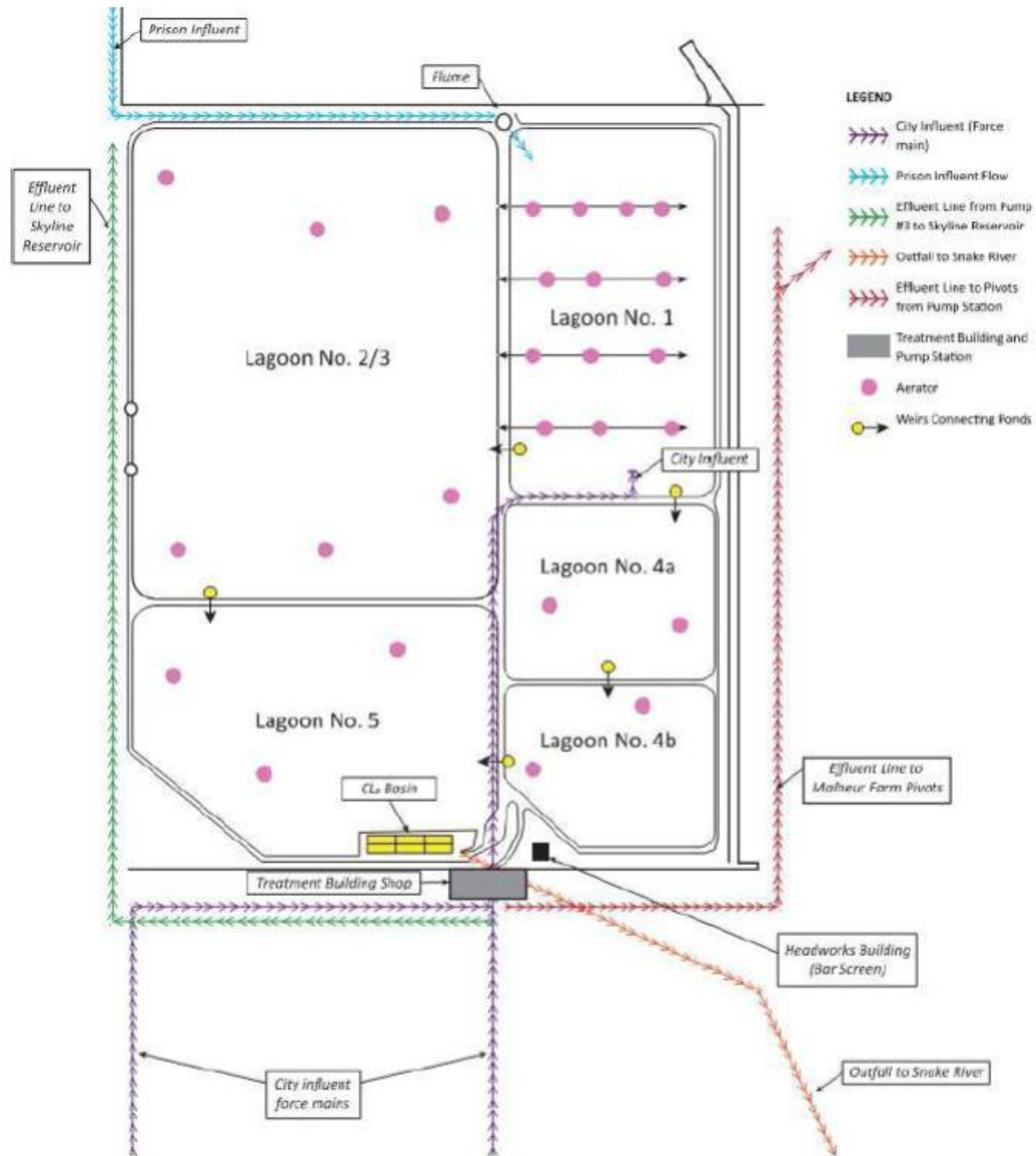
- Originally constructed in 1960, the wastewater treatment facility consisted of two facultative lagoon cells. Modifications which occurred in 1994 included: connection of SRCI's wastewater discharge to the treatment facility, enlargement of the 8th street pump station and pressure interceptor, increase in lagoon storage capacity, headworks modifications, expansion of the recycled water irrigation system, construction of a new chlorination and de-chlorination systems, and relocation of the outfall from the Malheur to the Snake River. Later, in 1996, lagoon cells #2/3 and #4B were lined with bentonite clay and the storage capacity of cell #2/3 was increased.



# Current Facility

- The current wastewater treatment facility consists of two separate headworks (municipal and SRCI influent), a five-cell stabilization with aeration lagoon system (Figure 2), chlorine contact basins, dechlorination basin, an outfall to the Snake River and two approved recycled water irrigation sites (Skyline Farm and Malheur Farm).





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# Current Facility



- The municipal influent headworks flow is measured by a parshall flume doppler sensor and contains a bar screen and conveyor system. SRCI influent flow is measured by a parshall flume doppler sensor and contains two bar screens (located at the SRCI facility).
- The lagoon cells are 18, 44, 21, 9.5, and 9 acres consecutively with most of the treatment occurring in the primary cell. The design flow-rated capacity of the facility is 3.06 million gallons per day (MGD) and the facility is currently able to meet the treatment efficiency requirements for biochemical oxygen demand, total suspended solids, pH, E. coli, and total residual chlorine as outlined in the permit.
- After chlorination with sodium hypochlorite and dechlorination treated wastewater is seasonally (November 1 – April 30) discharged to the Snake River through a 1.5-mile, 24-inch diameter outfall pipe.
- During the summer months (May 1 – October 31), the facility distributes Class D recycled water to one of the two land application sites via a center pivot irrigation system.





12-inch diameter underground pipeline conveys recycled wastewater 5.3 miles from the wastewater treatment plant to Skyline Farm, Land Application site.



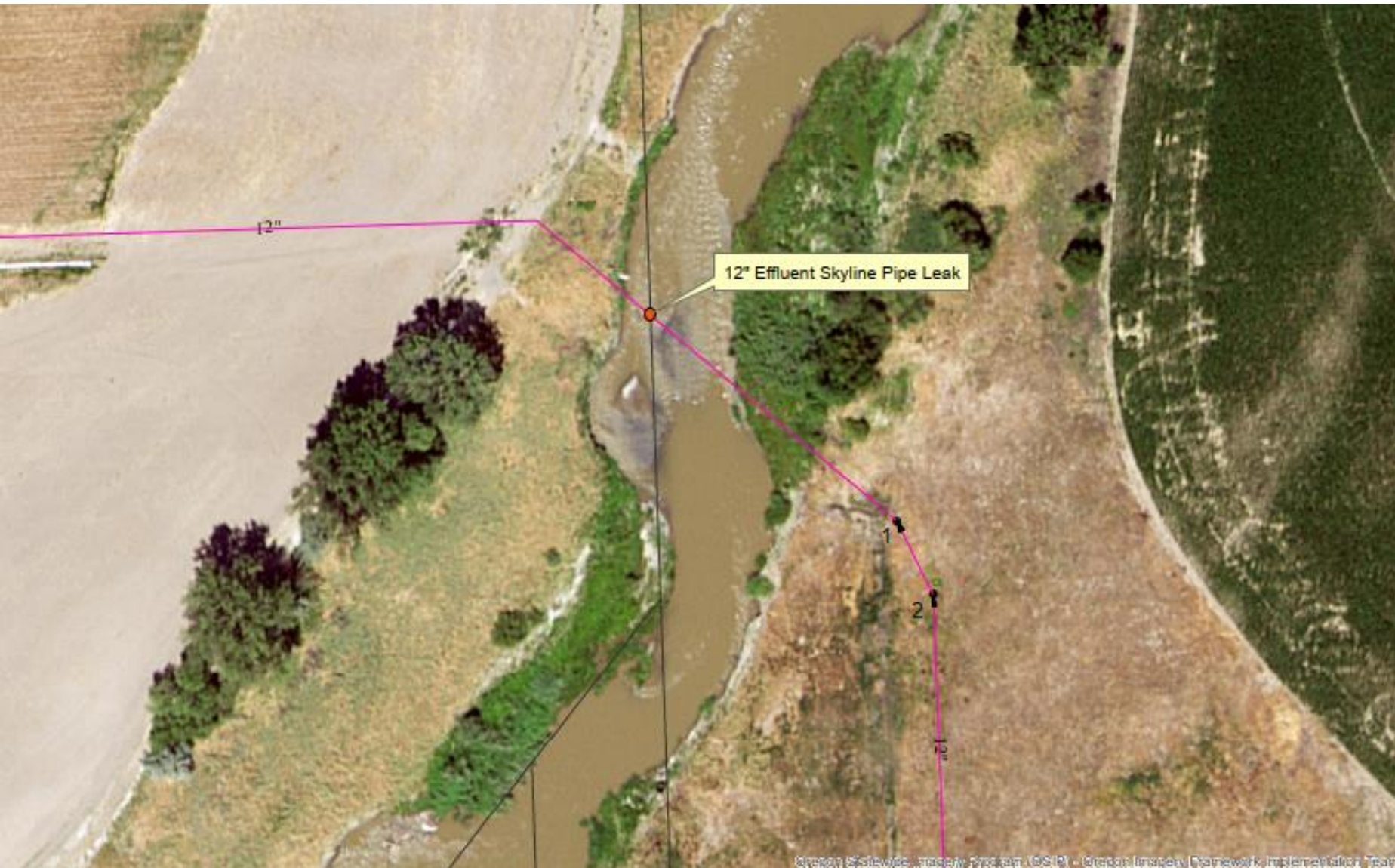
# Current Facility



- Skyline Farms reservoir for recycled water supply storage is constructed as an earth fill embankment using native soils obtained from a borrow area at the site. The design capacity of the reservoir is 63 million gallons plus the 100-year storm event. A 60-mil high-density polyethylene liner underlain by a geotextile fabric provides lining of the reservoir.
- Access to the reservoir is restricted to City personnel and the land application site operator. The reservoir is designed with an emergency spillway. In the event of either overtopping or an embankment breach, water would likely wash out Heinz Road and then enter a drainage channel that generally flows northeast. The closest residence to the reservoir site in the direction of the drainage channel is approximately 2 miles away. It is unlikely that any damage to structures other than Heinz Road.
- Skyline Farm has six pivots totaling approximately 352 irrigated acres located within the 520-acre parcel. The infrastructure at Skyline Farm consists of a pump house, two dedicated pumps and one standby pump, an inline booster pump to the upper three pivots, monitoring, metering, and control equipment to allow for the independent operation of each pivot. Flow metering and monitoring allows tracking and recording of both application rates and total flow application.



# Skyline Pipeline Leak September 3, 2022





Leak discovered on Saturday September 3, 2022  
Jacobs staff were able to shut-off the line within  
hours of discovery.





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# Skyline Pipeline Leak Response



- Immediate notification to Oregon DEQ as required by the NPDES Permit;
- Inquires made with US Army Corps of Engineers to confirm exemption to conduct emergency repair work under the federal 404 program;
- Inquires made with Oregon Department of Lands to acquire emergency authorization permit to conduct emergency repair work;
- Request of Warrington Construction to divert efforts from the current SRCI pipeline work to Emergency Pipeline Repair work;
- Work completed in 30 days for cost less than \$50,000.
- Ongoing discussions with DEQ regarding whether or not the City exercised “reasonable control” over operations prior to the event.



# NPDES Permit Background

- NPDES permit #101633 was issued to the City of Ontario on January 10, 2019. The permit will expire on November 30, 2023. The City must submit a renewal application by June 1, 2023.
- The permit has been modified three times. The first (minor) modification provided an update to land use information in the permit and fact sheet and was issued on June 1, 2019. The second (minor) modification updated Schedule A, Table A2 to remove interim ammonia limits and updated Schedule C, Table C-1 to remove interim ammonia limits and was issued on October 1, 2020. The third (major) modification was requested on May 1, 2021 by the permittee to remove the interim total inorganic arsenic and final limits for ammonia. Additionally, an update to the Recycled Water Use Plan was approved and submitted for public notice. The third modification was issued on December 10, 2021.

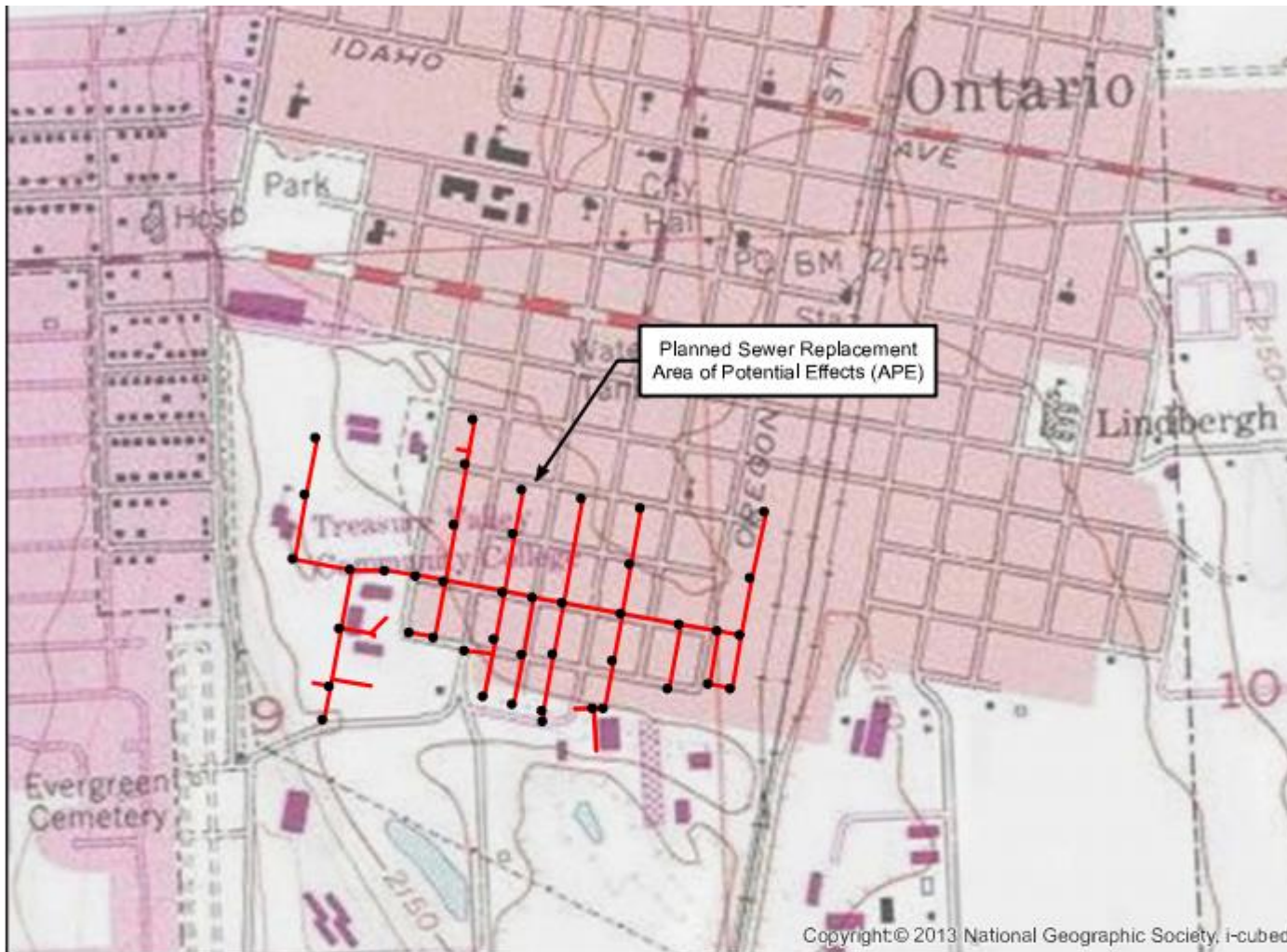


# NPDES Permit Key Accomplishments since 2019



- Completed biosolids removal from Cell 1 in the Fall of 2020 (\$1.5 M);
- Completed Outfall Diffuser Design and obtained necessary permitting(\$0.55M);
- Completed CCTV Inspection of Entire Collection System (\$0.35M);
- Initiated Facility Plan in Fall of 2022 (\$0.25M);
- Identified 32 Sewer Only Customers and are making plans to remove customers with water supply concentrations of arsenic that exceed the final effluent limit for arsenic;
- Completed 11,000 feet of sewer line replacement in the highest priority area in 2022/23 with CDBG funds and City funds (\$2.99M).





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#### LEGEND

- Area of Potential Effects (APE)
- Manholes in APE

0 1,000  
Feet

0 300  
Meters



#### Notes:

1. APE contains 11,700 linear feet of sewer lines and 43 manholes.
2. Topo map is from the United States Geologic Survey (USGS).





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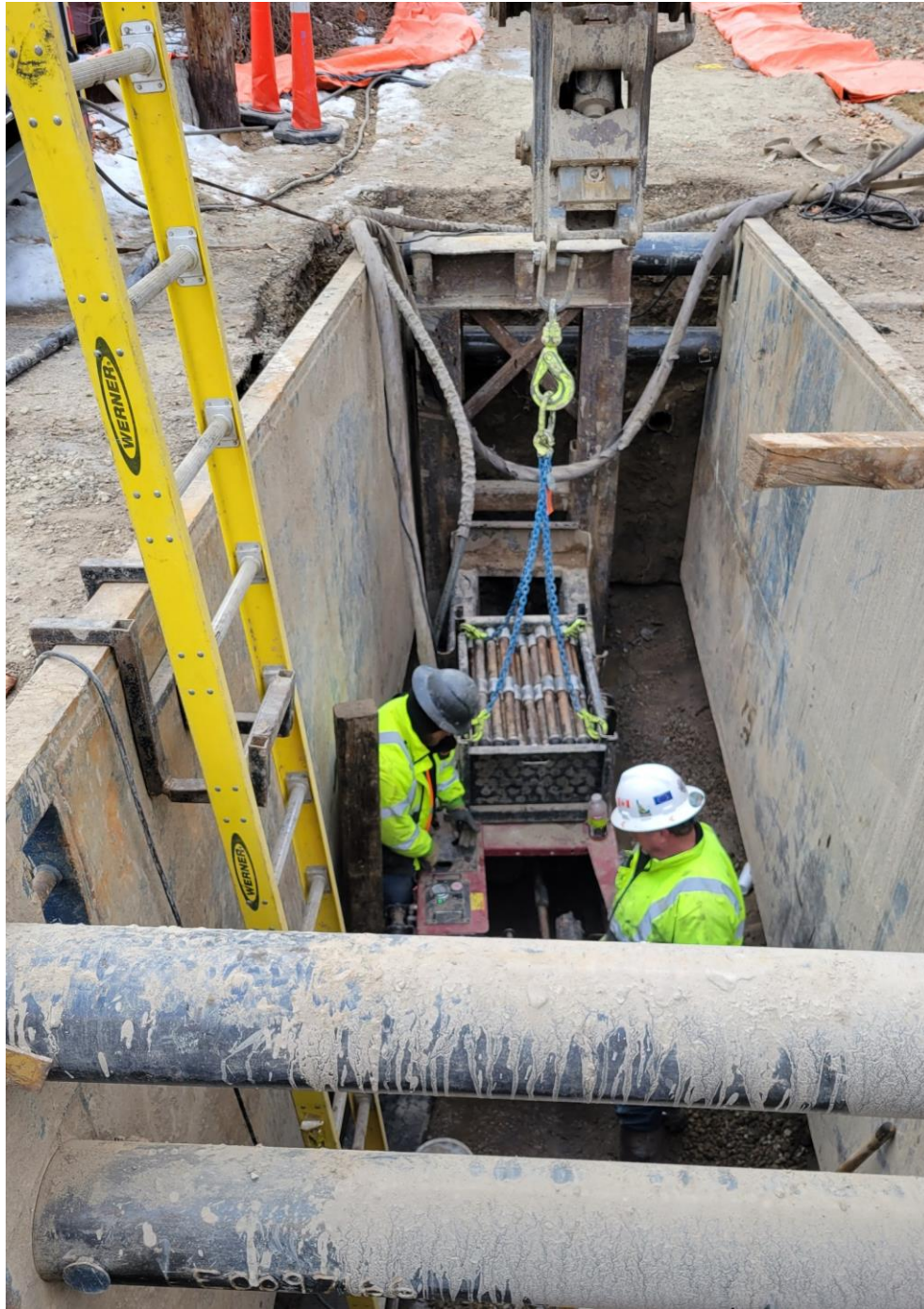
Upstream MH No: AMH 'E14-18'

Downstream MH No: AMH 'E14-13'

ONTARIO SANITARY SEWER PROJECT -AMH 'E14-18'-AMH 'E14-13'-













## CDBG Sewer Line Replacement Project Results

Arsenic Concentration in collection system before the project:  
10 parts per billion

Arsenic Concentration in collection system after the project:  
2 parts per billion



# NPDES Permit Key Compliance Deadlines in the Future



- Complete new outfall diffuser construction by September 1, 2023;
- Facility Plan Outline to DEQ by May 1, 2024 and completion of Facility Plan by May 1, 2029;
- New Facility Monitoring Plan by May 1, 2024;
- Annual Progress Reporting for Arsenic Removal 2022-2030;
- Complete Arsenic Treatment System Final Design by October 1, 2030;
- Notice of Bid Award by January 1, 2031;
- Construction complete by January 1, 2034;
- Final compliance with effluent limit for Arsenic and Hydrogen Sulfide by November 1, 2034.



# NPDES Permit Compliance Strategy

- Wastewater Treatment technology to remove arsenic has both a high capital and high operating costs that exceed the affordability of the community;
- With over 57.88% of the population being Low and Moderate Income and 88.1% of the population in an Underserved Community Census tract, the current residential wastewater rate structure of \$52.24 per month for 7,500 gallons of service is at the limit of affordability;
- With compliant water supply ( $<2.1$  ug/L) and no residential, commercial and industrial sources of arsenic, the NPDES compliance strategy is source identification and removal in the collection system;
- The timeline for compliance must align with efforts to bring the entire flow of the Snake River into compliance (both Idaho and Oregon).



# NPDES Permit Compliance Strategy

- An extreme low flow for the Snake River at the point of compliance is 5,000 cfs;
- The current NPDES permit authorized flow volume of 4.72cfs (well above current actual discharge volumes of 2.4 cfs) represents less than 0.1% of the flow volume in the Snake River at the extreme low flow condition;
- Current concentrations of arsenic in the Snake River at the point of compliance in Ontario range from 4-6 ug/L;
- Efforts and expenditures by the City of Ontario to comply with the final effluent limit of 2.1 ug/l for arsenic ahead of watershed-wide efforts to come into compliance will not have a measurable effect on arsenic levels in the Snake River and can cause economic harm to the citizens of Ontario.



# Arsenic Water Quality Compliance status in Idaho



- Idaho just completed a multi-year study of arsenic exposure and toxicity and is proposing a concentration of 4.3 ug/L as the standard for arsenic in the Snake River;
- Standard must be approved by the legislature this session and if approved will be forwarded to EPA Region 10 for review and approval;
- Idaho must come up with a plan to meet Oregon's standard of 2.1 ug/L at the state line;
- Given the flow rate and current concentrations, attainment of the standard will be decades away;
- Oregon DEQ must take this condition into consideration when acting on the Ontario NPDES Permit.



# Arsenic Water Quality Compliance status in Oregon



- Oregon DEQ has not initiated efforts to develop a TMDL for arsenic as required under the Clean Water Act for the Snake River and its tributaries;
- Absent a TMDL, efforts to reduce non-point sources of arsenic in Oregon will be delayed until such time that a framework can be defined to implement a set of actions that will insure attainment of the water quality standard.



# City of Ontario NPDES Permit Issuance Requests

- Engage the Regional Solutions Team to maximize grant funding opportunities;
- Extend arsenic and hydrogen sulfide compliance deadlines to 2045 to allow for the replacement of 10,000 to 15,000 feet of sewer line every 2-3 years;
- Acknowledge that compliance will be through source identification and removal not installation of new technology.



# Questions or Comments?

