



Capital Improvement Plan

FISCAL YEARS 2025 - 2030

Budget Committee Presentation

FLEET & EQUIPMENT

| Vehicle No. | Vehicle/ Department | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | Total |
|--------------|---------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|
| - | Water : Field Operations Truck | 67,000 | | | | | | 67,000 |
| 12 | Collections: Field Operations Vehicle | | 68,000 | | | | | 68,000 |
| 8 | Technical Services: Inspection Truck | 67,000 | | | | | | 67,000 |
| 55 | Water : Field Operations Truck | | 68,000 | | | | | 68,000 |
| 42 | Water: Backhoe | 170,000 | | | | | | 170,000 |
| 15 | Wastewater: Plant Operations Truck | | 45,000 | | | | | 45,000 |
| 16 | Wastewater: Plant Operations Truck | | 90,000 | | | | | 90,000 |
| 23 | Wastewater: Portable Generator | | | 25,000 | | | | 25,000 |
| 68 | Water: Field Operations Truck | | | 70,000 | | | | 70,000 |
| 69 | Water: Field Operations Truck | | | 89,000 | | | | 89,000 |
| 17 | Wastewater: Hydrocleaner | | | | 300,000 | | | 300,000 |
| 19 | Wastewater: TV Van | | | | | 400,000 | | 400,000 |
| 66 | Water: Kamatsu Trackhoe | | | | | | 100,000 | 100,000 |
| TOTAL | | 304,000 | 271,000 | 184,000 | 300,000 | 400,000 | 100,000 | 1,559,000 |

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| 66 | Water: Kamatsu Trackhoe | | | | | | 100,000 | 100,000 |
| TOTAL | | 304,000 | 271,000 | 184,000 | 300,000 | 400,000 | 100,000 | 1,559,000 |

DRINKING WATER PROJECTS

| Pr. No. | Project Name | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | Totals |
|---------------------|---|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|
| C-2 | Ranstad and Cinderella Courts | | 165,000 | | | | | 165,000 |
| C-3 | Marcia Court | | 200,000 | | | | | 200,000 |
| C-4 | Lisa Lane | | 340,000 | | | | | 340,000 |
| C-5 | Oatfield Road | 1,500,000 | 2,700,000 | 3,200,000 | | | | 7,400,000 |
| C-7 | Seal Coat on Valley View Reservoir Domes | | | | 200,000 | | | 200,000 |
| C-8 | View Acres Recoat Tank Exterior and Interior | | | | | 225,000 | | 225,000 |
| C-11 | SCADA System Upgrades | 50,000 | 52,000 | 53,000 | 55,000 | 56,000 | 58,000 | 324,000 |
| C-12 | Radio Telemetry Activation Study | | | 24,000 | | | | 24,000 |
| C-13 | Pressure Reducing Valve Rebuild (Every 5 years) | 25,000 | | | | | 25,000 | 50,000 |
| C-14 | Large Meter Testing and Replacement | 57,000 | 59,000 | 61,000 | 63,000 | 65,000 | 67,000 | 372,000 |
| C-15 | Vault Meter Bypass Installations | | | 129,000 | | | | 129,000 |
| C-16 | Hydrant Capital Repair and Replacement | 184,000 | | | | | | 184,000 |
| E-1 | AWIA Risk and Resilience Assessment - Update | | 50,000 | | | | | 50,000 |
| E-2 | Water System Master Plan - Update | 50,000 | 150,000 | | | | | 200,000 |
| F-2 | River Road | | | 50,000 | 2,000,000 | 2,000,000 | | 4,050,000 |
| F-3 | Vista Sunrise Court | | | | | | 125,000 | 125,000 |
| F-4 | Jennings, Colina Vista, Clayson Avenues, Emerald Drive, Colony Circle | | | | | | 1,525,000 | 1,525,000 |
| R-2 | Milwaukie-OLWSD Intertie Pump Station | | 100,000 | 4,000,000 | 4,000,000 | | | 8,100,000 |
| R-3 | Seismic Study of 24-inch Supply Line | 225,000 | | | | | | 225,000 |
| W-1 | Valley View Pole Storage Building | 200,000 | | | | | | 200,000 |
| W-2 | McLoughlin - Jennings to Arista | 250,000 | | | | | | 250,000 |
| W-3 | Water Pump Station at CRW Generator | | 225,000 | | | | | 225,000 |
| | TOTAL | 2,541,000 | 4,041,000 | 7,517,000 | 6,318,000 | 2,346,000 | 1,800,000 | 24,563,000 |

DRINKING WATER PROJECTS

| Pr. No. | Project Name | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | Totals |
|--------------|---|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|
| C-2 | Ranstad and Cinderella Courts | | 165,000 | | | | | 165,000 |
| C-3 | Marcia Court | | 200,000 | | | | | 200,000 |
| C-4 | Lisa Lane | | 340,000 | | | | | 340,000 |
| C-5 | Oatfield Road | 1,500,000 | 2,700,000 | 3,200,000 | | | | 7,400,000 |
| C-7 | Seal Coat on Valley View Reservoir Domes | | | | 200,000 | | | 200,000 |
| C-8 | View Acres Recoat Tank Exterior and Interior | | | | | 225,000 | | 225,000 |
| C-11 | SCADA System Upgrades | 50,000 | 52,000 | 53,000 | 55,000 | 56,000 | 58,000 | 324,000 |
| C-12 | Radio Telemetry Activation Study | | | 24,000 | | | | 24,000 |
| C-13 | Pressure Reducing Valve Rebuild (Every 5 years) | 25,000 | | | | | 25,000 | 50,000 |
| C-14 | Large Meter Testing and Replacement | 57,000 | 59,000 | 61,000 | 63,000 | 65,000 | 67,000 | 372,000 |
| C-15 | Vault Meter Bypass Installations | | | 129,000 | | | | 129,000 |
| C-16 | Hydrant Capital Repair and Replacement | 184,000 | | | | | | 184,000 |
| E-1 | AWIA Risk and Resilience Assessment - Update | | 50,000 | | | | | 50,000 |
| E-2 | Water System Master Plan - Update | 50,000 | 150,000 | | | | | 200,000 |
| F-2 | River Road | | | 50,000 | 2,000,000 | 2,000,000 | | 4,050,000 |
| F-3 | Vista Sunrise Court | | | | | | 125,000 | 125,000 |
| F-4 | Jennings, Colina Vista, Clayson Avenues, Emerald Drive, Colony Circle | | | | | | 1,525,000 | 1,525,000 |
| R-2 | Milwaukie-OLWSD Intertie Pump Station | | 100,000 | 4,000,000 | 4,000,000 | | | 8,100,000 |
| R-3 | Seismic Study of 24-inch Supply Line | 225,000 | | | | | | 225,000 |
| W-1 | Valley View Pole Storage Building | 200,000 | | | | | | 200,000 |
| W-2 | McLoughlin - Jennings to Arista | 250,000 | | | | | | 250,000 |
| W-3 | Water Pump Station at CRW Generator | | 225,000 | | | | | 225,000 |
| TOTAL | | 2,541,000 | 4,041,000 | 7,517,000 | 6,318,000 | 2,346,000 | 1,800,000 | 24,563,000 |

DRINKING WATER HIGHLIGHT

SE Oatfield Rd Waterline Replacement

DESCRIPTION:

Replacing 16,000 feet of aging and undersized pipes.

BENEFIT:

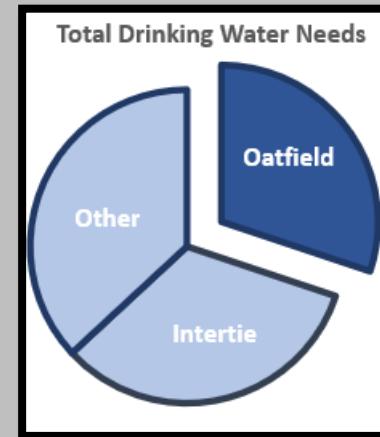
- Provide more resilient infrastructure
- Higher supply for fire needs and future growth

BUDGET:

Total Project Cost: \$7,400,000

EXPENSES

| FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | TOTAL (in CIP) |
|-----------|-----------|-----------|------|------|------|-------------------|
| 1,500,000 | 2,700,000 | 3,200,000 | - | - | - | 7,400,000 |



DRINKING WATER HIGHLIGHT

Oak Lodge/Milwaukie Intertie

DESCRIPTION:

Construct pump station and pipe connection between Oak Lodge and Milwaukie's distribution systems.

BENEFIT:

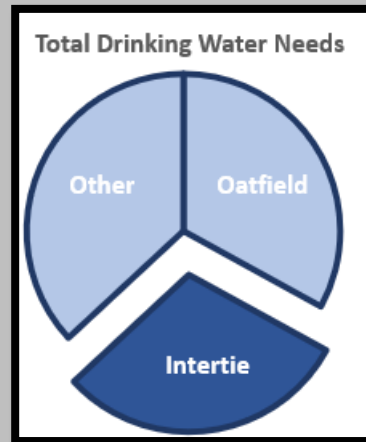
- Provide more resilient infrastructure

BUDGET:

Total Project Cost: \$8,100,000

EXPENSES

| FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | TOTAL (in CIP) |
|------|---------|-----------|-----------|------|------|-------------------|
| - | 100,000 | 4,000,000 | 4,000,000 | - | - | 8,100,000 |



WASTEWATER PROJECTS - COLLECTIONS

| Pr. No. | Project Name | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | Totals |
|--------------|----------------------------------|------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|
| C-1 | Lift Station 5 Basin RDII | 2,000,000 | 2,050,000 | | | | | 4,050,000 |
| C-2 | Lift Station 2 Basin RDII | 500,000 | 3,000,000 | 2,500,000 | | | | 6,000,000 |
| C-3 | Lift Station 6 Basin RDII | 83,000 | 500,000 | | | | | 583,000 |
| C-4 | Influent Lift Station Basin RDII | 1,220,000 | 250,000 | 3,300,000 | 3,650,000 | | | 8,420,000 |
| C-5 | Lift Station 4 Basin RDII | | 50,000 | 192,000 | | | | 242,000 |
| C-8 | Trunk Main A Upsizing | | | | 1,450,000 | 6,700,000 | 5,300,000 | 13,450,000 |
| C-9 | Trunk Main B Upsizing | | | | | 1,286,000 | 4,664,000 | 5,950,000 |
| C-10 | Trunk Main 2A Upsizing | | | | | | 194,000 | 194,000 |
| C-14 | Lateral Repair Program | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 600,000 |
| C-15 | Boardman Sewer Line Replacement | 630,000 | | | | | | 630,000 |
| C-16 | LS3 Construction | 50,000 | | 300,000 | 1,000,000 | 1,000,000 | | 2,350,000 |
| C-17 | Manhole Repair Program | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 600,000 |
| C-18 | Mainline Repair Program | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 600,000 |
| TOTAL | | 4,783,000 | 6,150,000 | 6,592,000 | 6,400,000 | 9,286,000 | 10,458,000 | 43,669,000 |

WASTEWATER PROJECTS - COLLECTIONS

| Pr. No. | Project Name | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | Totals |
|--------------|----------------------------------|------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|
| C-1 | Lift Station 5 Basin RDII | 2,000,000 | 2,050,000 | | | | | 4,050,000 |
| C-2 | Lift Station 2 Basin RDII | 500,000 | 3,000,000 | 2,500,000 | | | | 6,000,000 |
| C-3 | Lift Station 6 Basin RDII | 83,000 | 500,000 | | | | | 583,000 |
| C-4 | Influent Lift Station Basin RDII | 1,220,000 | 250,000 | 3,300,000 | 3,650,000 | | | 8,420,000 |
| C-5 | Lift Station 4 Basin RDII | | 50,000 | 192,000 | | | | 242,000 |
| C-8 | Trunk Main A Upsizing | | | | 1,450,000 | 6,700,000 | 5,300,000 | 13,450,000 |
| C-9 | Trunk Main B Upsizing | | | | | 1,286,000 | 4,664,000 | 5,950,000 |
| C-10 | Trunk Main 2A Upsizing | | | | | | 194,000 | 194,000 |
| C-14 | Lateral Repair Program | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 600,000 |
| C-15 | Boardman Sewer Line Replacement | 630,000 | | | | | | 630,000 |
| C-16 | LS3 Construction | 50,000 | | 300,000 | 1,000,000 | 1,000,000 | | 2,350,000 |
| C-17 | Manhole Repair Program | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 600,000 |
| C-18 | Mainline Repair Program | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 600,000 |
| TOTAL | | 4,783,000 | 6,150,000 | 6,592,000 | 6,400,000 | 9,286,000 | 10,458,000 | 43,669,000 |

WASTEWATER COLLECTIONS HIGHLIGHT

Inflow and Infiltration Reduction

DESCRIPTION:

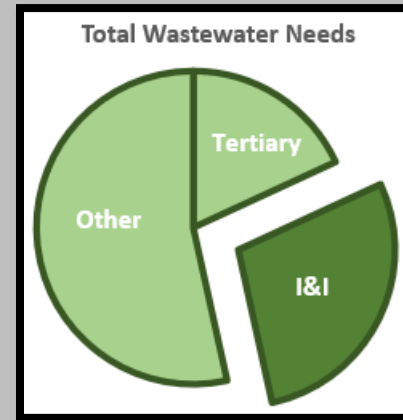
Repairing aging and damaged wastewater pipes to reduce the amount of rain and ground water entering the collections system.

BENEFIT:

- Reduction in wastewater volume entering the treatment plant.
- Reduced staff time for clearing pipes of debris.

BUDGET:

Total Project Cost: \$19,295,000



EXPENSES

| FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | TOTAL (in CIP) |
|-----------|-----------|-----------|-----------|-----------|------|-------------------|
| 3,803,000 | 5,850,000 | 5,992,000 | 4,000,000 | 3,650,000 | - | 19,295,000 |

WASTEWATER PROJECTS - TREATMENT

| Pr. No. | Project Name | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | Totals |
|---------|---|------------------|------------------|------------------|------------------|------------------|----------------|-------------------|
| T-1 | Aeration Instrumentation & Controls | | | | 40,000 | 300,000 | | 340,000 |
| T-2 | Chemical Feed Systems | | | | 20,000 | 140,000 | | 160,000 |
| T-3 | Replace Aeration Blowers | | 325,000 | | | | | 325,000 |
| T-4 | Replace Aeration Basin Diffusers | | | | 20,000 | 150,000 | | 170,000 |
| T-5 | Replace Mixers | | | | 140,000 | 1,160,000 | | 1,300,000 |
| T-6 | Replace Internal Mixed Liquor Recycle Piping | | | | 80,000 | 320,000 | 320,000 | 720,000 |
| T-7 | Replace 3 Internal Mixed Liquor Recycle Pumps | | | | 30,000 | 210,000 | | 240,000 |
| T-8 | Foam Management/ Wasting Facility | | | | 20,000 | 150,000 | | 170,000 |
| T-9 | Secondary Clarifier 1 and 2 Refurbishment | | 2,000,000 | 2,000,000 | | | | 4,000,000 |
| T-11 | Aeration Basin Baffle Walls | | 30,000 | 230,000 | | | | 260,000 |
| T-12 | Tertiary Treatment at WWTP | 6,615,000 | 5,680,000 | | | | | 12,295,000 |
| T-14 | UV Disinfection Rehabilitation | | 125,000 | 525,000 | 550,000 | | | 1,200,000 |
| T-15 | UV Disinfection Equipment Replacement | 32,000 | 33,000 | 34,000 | 35,000 | 36,000 | 25,000 | 195,000 |
| T-16 | Influent Lift Station Reconstruction | | 125,000 | 527,000 | 542,000 | | | 1,194,000 |
| T-23 | Plant Air-line Inspection | 89,000 | | | | | | 89,000 |
| T-24 | GBT Refurbishment | | 250,000 | | | | | 250,000 |
| T-25 | TWAS Pump Replacement | | 75,000 | | | | | 75,000 |
| T-29 | Motor Control (VFD) Replacement | 37,000 | 38,000 | 39,000 | 500,000 | 42,000 | | 656,000 |
| T-30 | Plant Drain Pump Replacement | | 137,000 | | | | | 137,000 |
| P-1 | Wastewater Master Plan Update | | | 440,000 | | | | 440,000 |
| | TOTAL | 6,773,000 | 8,818,000 | 3,795,000 | 1,977,000 | 2,508,000 | 345,000 | 24,216,000 |

WASTEWATER PROJECTS - TREATMENT

| Pr. No. | Project Name | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | Totals |
|--------------|---|------------------|------------------|------------------|------------------|------------------|----------------|-------------------|
| T-1 | Aeration Instrumentation & Controls | | | | 40,000 | 300,000 | | 340,000 |
| T-2 | Chemical Feed Systems | | | | 20,000 | 140,000 | | 160,000 |
| T-3 | Replace Aeration Blowers | | 325,000 | | | | | 325,000 |
| T-4 | Replace Aeration Basin Diffusers | | | | 20,000 | 150,000 | | 170,000 |
| T-5 | Replace Mixers | | | | 140,000 | 1,160,000 | | 1,300,000 |
| T-6 | Replace Internal Mixed Liquor Recycle Piping | | | | 80,000 | 320,000 | 320,000 | 720,000 |
| T-7 | Replace 3 Internal Mixed Liquor Recycle Pumps | | | | 30,000 | 210,000 | | 240,000 |
| T-8 | Foam Management/ Wasting Facility | | | | 20,000 | 150,000 | | 170,000 |
| T-9 | Secondary Clarifier 1 and 2 Refurbishment | | 2,000,000 | 2,000,000 | | | | 4,000,000 |
| T-11 | Aeration Basin Baffle Walls | | 30,000 | 230,000 | | | | 260,000 |
| T-12 | Tertiary Treatment at WWTP | 6,615,000 | 5,680,000 | | | | | 12,295,000 |
| T-14 | UV Disinfection Rehabilitation | | 125,000 | 525,000 | 550,000 | | | 1,200,000 |
| T-15 | UV Disinfection Equipment Replacement | 32,000 | 33,000 | 34,000 | 35,000 | 36,000 | 25,000 | 195,000 |
| T-16 | Influent Lift Station Reconstruction | | 125,000 | 527,000 | 542,000 | | | 1,194,000 |
| T-23 | Plant Air-line Inspection | 89,000 | | | | | | 89,000 |
| T-24 | GBT Refurbishment | | 250,000 | | | | | 250,000 |
| T-25 | TWAS Pump Replacement | | 75,000 | | | | | 75,000 |
| T-29 | Motor Control (VFD) Replacement | 37,000 | 38,000 | 39,000 | 500,000 | 42,000 | | 656,000 |
| T-30 | Plant Drain Pump Replacement | | 137,000 | | | | | 137,000 |
| P-1 | Wastewater Master Plan Update | | | 440,000 | | | | 440,000 |
| TOTAL | | 6,773,000 | 8,818,000 | 3,795,000 | 1,977,000 | 2,508,000 | 345,000 | 24,216,000 |

WASTEWATER TREATMENT HIGHLIGHT

Tertiary Treatment

DESCRIPTION:

Construction of a tertiary filtration building at the treatment plant in response to stricter treatment requirements.

BENEFIT:

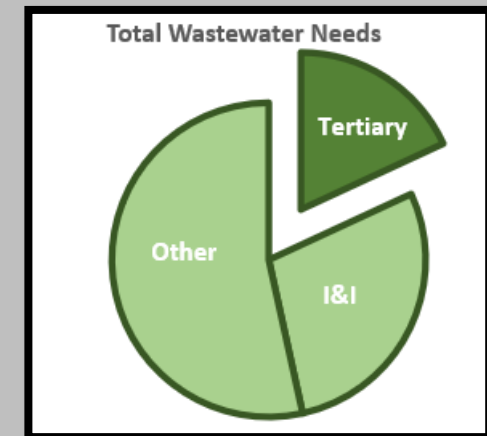
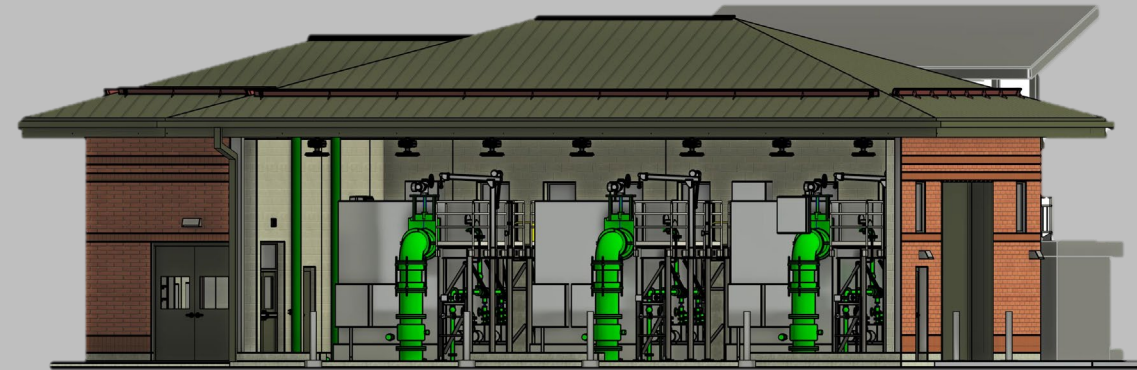
- Reduction in fines from DEQ
- Cleaner wastewater entering the Willamette River.

BUDGET:

Total Project Cost: \$12,295,000

EXPENSES

| FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | TOTAL (in CIP) |
|-----------|-----------|------|------|------|------|-------------------|
| 6,615,000 | 5,680,000 | - | - | - | - | 12,295,000 |



WATERSHED PROTECTION HIGHLIGHT

Boardman and Arista Flooding Study

DESCRIPTION:

A detailed study and analysis of Boardman Creek at Arista Dr. is necessary to determine engineering solutions to ongoing flooding.

BENEFIT:

- Establishing a cost-effective solution to reduce localized flooding.

BUDGET:

Total Project Cost: \$300,000

EXPENSES

| FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | TOTAL (in CIP) |
|---------|------|------|------|------|------|-------------------|
| 300,000 | - | - | - | - | - | 300,000 |



OVERVIEW

Fiscal Years 2025-2030 Capital Needs



Questions?

