



**City of Henderson
2024 - 2029 Capital Improvement Program
Planned Project Costs by Program**

| Program Category | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years | Total |
|--|-----------|-----------|-----------|---------|-----------|-----------|--------------|------------|
| Expenditure | | | | | | | | |
| Utilities | | | | | | | | |
| Wastewater Services | | | | | | | | |
| U0024 - SEWER MAIN R&R - MAGIC WAY TO CENTER ST | 2,325,000 | 7,025,000 | 7,025,000 | - | - | - | - | 16,375,000 |
| U0025 - WRF SOLIDS CONTACT CLARIFIERS 1 & 2 | - | - | - | 50,000 | 2,760,000 | - | - | 2,810,000 |
| U0032 - STEPHANIE LIFT STATION EXPANSION/UPGRADE | 2,319,213 | 8,258,736 | - | - | - | - | - | 10,577,949 |
| U0035 - WRF SECONDARY CLARIFIERS 1, 2, & 3 | - | - | - | 100,000 | 1,775,000 | 355,000 | - | 2,230,000 |
| U0116 - RR-18 RESERVOIR REHABILITATION | - | - | - | - | 100,000 | 1,692,500 | - | 1,792,500 |
| U0127 - WRF WEST CHEMICAL BLDG ELEC & BLDG REHAB | 1,037,428 | 2,767,471 | 922,491 | - | - | - | - | 4,727,390 |
| U0147 - SWRF SHADE STRUCTURE | 521,361 | - | - | - | - | - | - | 521,361 |
| U0148 - WRF CAMPUS STRUCTURE MODIFICATIONS | - | 85,187 | 160,123 | - | - | - | - | 245,310 |
| U0150 - SWRF MEMBRANE REPLACEMENT | 1,863,232 | 1,499,653 | - | - | - | - | 654,155 | 4,017,040 |
| U0153 - LLV LIFT STATION 27 IMPROVEMENTS | 6,436,344 | 3,568,612 | - | - | - | - | - | 10,004,956 |
| U0165 - WRF PHASE 4 IMPROVEMENTS | 2,634,037 | 2,634,037 | 1,317,019 | - | - | - | - | 6,585,093 |
| U0183 - SWRF CIRCUIT BREAKER TESTING FACILITY | - | 83,200 | 124,800 | - | - | - | - | 208,000 |
| U0184 - RECLAIMED WATER ROFC POWER SUPPLY | 98,389 | - | - | - | - | - | - | 98,389 |
| U0188 - SWRF BLDG CLIMATE CONTROL AUTOMATION UPGRADE | - | - | 354,650 | - | - | - | - | 354,650 |
| U0190 - EAST SIDE SEWER INTERCEPTOR-PHASE 1 | 2,408,622 | 875,862 | - | - | - | - | - | 3,284,484 |
| U0191 - EAST SIDE SEWER INTERCEPTOR-PHASE 2 | 663,750 | 1,531,132 | 3,929,647 | 327,471 | - | - | - | 6,452,000 |



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|---|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|--------------|
| U0192 - EAST SIDE SEWER INTERCEPTOR-PHASE 3 | 103,650 | 479,125 | 1,333,725 | 1,916,500 | - | - | - | 3,833,000 |
| U0197 - WRF BUILDING C REMODEL | 873,958 | - | - | - | - | - | - | 873,958 |
| U0203 - STEPHANIE STREET RECLAIMED WATERLINE IMPROVEMENTS | 442,353 | 3,749,074 | 7,128,276 | - | - | - | - | 11,319,703 |
| U0220 - SVR CONNECTION TO CADENCE | 261,629 | - | - | - | - | - | - | 261,629 |
| U0231 - SEWER MAIN R&R PROGRAM - PHASE 2 | 1,527,173 | 1,018,115 | - | - | - | - | - | 2,545,288 |
| U0232 - SEWER MAIN R&R PROGRAM - PHASE 3 | 410,410 | 410,410 | 5,069,280 | - | - | - | - | 5,890,100 |
| U0233 - SEWER MAIN R&R PROGRAM - PHASE 4 | - | 350,350 | 350,350 | 4,331,600 | 5,032,300 | - | - | 10,064,600 |
| U0234 - SEWER MAIN R&R PROGRAM - PHASE 5 | - | - | - | - | 115,692 | 274,154 | 1,110,154 | 1,500,000 |
| U0241 - WRF PHASE 4 CONSTRUCTION PKG #1 IMPROVEMENTS | 554,183 | 1,108,367 | 554,183 | - | - | - | - | 2,216,733 |
| U0242 - WRF PHASE 4 CONSTRUCTION PKG #2 IMPROVEMENTS | 1,524,004 | 3,048,008 | 1,524,004 | - | - | - | - | 6,096,016 |
| U0243 - WRF PHASE 4 CONSTRUCTION PKG #3 IMPROVEMENTS | 18,488,893 | 64,711,126 | 9,244,447 | - | - | - | - | 92,444,466 |
| U0244 - PITTMAN WASH SEWER ACCESS AND PROTECTION | 560,000 | 560,000 | 9,780,000 | - | - | - | - | 10,900,000 |
| U0247 - VALLE VERDE AT PITTMAN WASH SEWER REPLACEMENT | 146,972 | 848,043 | 1,669,839 | - | - | - | - | 2,664,854 |
| U0256 - LAKE LAS VEGAS SEWER MAIN R&R | 130,547 | 313,313 | 4,269,851 | 2,125,289 | - | - | - | 6,839,000 |
| U0259 - WRF WEST DITCH 1&2 MAJOR UPGRADE | - | - | - | - | - | - | 516,667 | 516,667 |
| U0260 - WRF SOLIDS CONTACT CLARIFIERS 3 - 4 | - | - | - | 88,654 | 487,596 | 2,431,731 | 729,519 | 3,737,500 |
| U0261 - EAST SOLIDS POLYMER PUMP SKID REPLACEMENTS | 42,200 | 125,800 | 138,000 | - | - | - | - | 306,000 |
| U0263 - WRF SECONDARY CLARIFIERS 4-6 | - | 98,243 | 1,138,219 | 1,068,056 | - | - | - | 2,304,518 |



**City of Henderson
2024 - 2029 Capital Improvement Program
Planned Project Costs by Program**

| Program Category | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years | Total |
|---|-------------------|--------------------|-------------------|-------------------|-------------------|------------------|---------------------|--------------------|
| U0271 - LANDER AND OLSEN LIFT STATION BACKUP POWER GENERATORS RENEWAL | - | 70,220 | 386,480 | - | - | - | - | 456,700 |
| UE028 - Field CCTV Truck | - | - | - | 560,000 | - | - | - | 560,000 |
| UE029 - UPGRADES TO REFRESH PROGRAM | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | - | - | - | 4,000,000 |
| Total Expenses / Expenditure | 46,373,348 | 106,219,084 | 57,420,384 | 11,567,570 | 10,270,588 | 4,753,385 | 3,010,495 | 239,614,854 |
| Water Services | | | | | | | | |
| U0058 - PS-03A UPGRADES | 378,980 | 677,263 | - | - | - | - | - | 1,056,243 |
| U0067 - LLV RAW WATER SCADA IMPROVEMENTS | - | 62,222 | 467,903 | - | - | - | - | 530,125 |
| U0092 - R-4 RESERVOIR REHABILITATION | - | - | 80,000 | 1,182,500 | - | - | - | 1,262,500 |
| U0095 - R-12 RESERVOIR REHABILITATION | - | 237,600 | 2,270,630 | - | - | - | - | 2,508,230 |
| U0110 - R-5 RESERVOIR REHABILITATION | - | - | - | 60,000 | 915,000 | - | - | 975,000 |
| U0111 - R-6 RESERVOIR REHABILITATION | - | 120,000 | 1,720,000 | - | - | - | - | 1,840,000 |
| U0114 - R-20A RESERVOIR REHABILITATION | 197,900 | 1,916,364 | - | - | - | - | - | 2,114,264 |
| U0137 - R-1877A RESERVOIR | 1,457,647 | 7,351,765 | 3,063,235 | - | - | - | - | 11,872,647 |
| U0145 - R-11 RESERVOIR REHABILITATION | - | - | - | - | - | 250,000 | 4,825,000 | 5,075,000 |
| U0146 - R-15A RESERVOIR REHABILITATION | - | - | - | - | 38,700 | 262,578 | - | 301,278 |
| U0151 - PS-21N DECOMMISSIONING | - | 115,000 | 780,000 | - | - | - | - | 895,000 |
| U0156 - 1840 PZ VALVE INSTALLATIONS | - | - | 60,000 | 1,557,500 | - | - | - | 1,617,500 |
| U0157 - ADVANCED METERING INFRASTRUCTURE (AMI) | 14,166,627 | 16,841,412 | 13,930,235 | 11,019,056 | - | - | - | 55,957,330 |
| U0176 - WTP RAW WATER CHEMICAL ADDITION IMPROVEMENTS | - | - | - | - | - | - | 1,410,000 | 1,410,000 |
| U0194 - PS-12 REPLACEMENT | - | - | - | - | 155,077 | 516,923 | 4,608,000 | 5,280,000 |



City of Henderson 2024 - 2029 Capital Improvement Program Planned Project Costs by Program

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|--|-----------|-----------|-----------|-----------|-----------|-----------|--------------|------------|
| U0195 - MACDONALD HIGHLANDS EAST PUMPS | 202,115 | 724,114 | - | - | - | - | - | 926,229 |
| U0198 - R-13B 2MG RESERVOIR & P-13C | 5,070,326 | 4,370,264 | - | - | - | - | - | 9,440,590 |
| U0201 - SUNRIDGE HEIGHTS HEA ONSITE WATERLINE IMPROVEMENTS | 2,703,838 | - | - | - | - | - | - | 2,703,838 |
| U0205 - PUMP STATION 12 | 303,323 | - | - | - | - | - | - | 303,323 |
| U0208 - SITE 2 UPGRADES REDESIGN | 168,904 | 3,347,133 | 4,005,749 | 668,966 | - | - | - | 8,190,752 |
| U0210 - AVAR UPGRADE PROGRAM | 1,136,645 | 113,478 | - | - | - | - | - | 1,250,123 |
| U0216 - EASTERN-HORIZON RIDGE TO SUN CITY LATERALS | 209,050 | 38,010 | - | - | - | - | - | 247,060 |
| U0224 - CADENCE LS OVERSIZE | 3,115,333 | - | - | - | - | - | - | 3,115,333 |
| U0225 - VAN WAGENEN ST - GREENWAY TO LAKE MEAD | 16,557 | - | - | - | - | - | - | 16,557 |
| U0236 - R-02 RESERVOIR REHABILITATION | - | - | - | - | - | - | 3,375,000 | 3,375,000 |
| U0237 - R-01A RESERVOIR REHABILITATION | - | - | - | - | - | 250,000 | 3,980,000 | 4,230,000 |
| U0239 - R-33 5.0 MG RESERVOIR | - | - | - | - | - | - | 16,123,699 | 16,123,699 |
| U0240 - SERVICE LINE REPLACEMENT PROGRAM - PHASE 2 | 1,696,269 | 234,375 | - | - | - | - | - | 1,930,644 |
| U0245 - TRANSMISSION MAIN FROM R-33 | - | - | 226,154 | 1,243,846 | 3,092,308 | 4,638,462 | 2,319,231 | 11,520,001 |
| U0255 - FCS-19 & 30-INCH TM | - | - | - | - | - | 5,758,600 | 16,222,500 | 21,981,100 |
| U0257 - PUMP STATION ROOF SAFETY IMPROVEMENTS | 193,000 | 1,247,000 | - | - | - | - | - | 1,440,000 |
| U0265 - HORIZON LATERAL NORTH SITE 17 YARD PIPING IMPROVEMENTS | - | - | - | - | - | - | 348,400 | 348,400 |
| U0266 - HORIZON LATERAL SITE 36 YARD PIPING IMPROVEMENTS | - | - | - | - | 193,556 | 564,119 | 682,125 | 1,439,800 |
| U0267 - HORIZON LATERAL 2500 PZ TRANSMISSION-NSC | - | - | - | 433,417 | 495,333 | 6,216,146 | 565,104 | 7,710,000 |
| U0268 - HORIZON LATERAL 2720 PZ TRANSMISSION TO R-33 | - | - | - | 694,792 | 972,708 | 6,779,559 | 15,722,941 | 24,170,000 |



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|---|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| U0270 - PUMP STATION 16 MOTOR CONTROL CENTER UPGRADE | - | 95,570 | 503,217 | 55,913 | - | - | - | 654,700 |
| U0701 - R-36A 5.0 MG RESERVOIR | 3,192,450 | - | - | - | - | - | - | 3,192,450 |
| U0703 - 2630 42-INCH WEST HENDERSON TRANSMISSION MAIN | 8,289,798 | 17,103,531 | - | - | - | - | - | 25,393,329 |
| U0704 - R-42 5.0 MG RESERVOIR | 6,594,622 | 13,988,903 | - | - | - | - | - | 20,583,525 |
| U0705 - PZ 2760 36-in WEST TRANSMISSION MAIN | - | - | - | 460,308 | 540,956 | 3,039,158 | 1,519,578 | 5,560,000 |
| U0706 - R-43 4.0 MG RESERVOIR PZ 2760 | - | - | - | 998,334 | 1,459,555 | 7,930,666 | 3,304,445 | 13,693,000 |
| U9424a - SERVICE LINE REPLACEMENT PROGRAM | 4,750,000 | 5,000,000 | 7,000,000 | 7,000,000 | 7,000,000 | 7,000,000 | 21,000,000 | 58,750,000 |
| U9429W - UTILITY FACILITY OVERSIZING PROGRAM-WATER | 500,000 | 500,000 | 500,000 | 500,000 | 500,000 | 500,000 | 1,500,000 | 4,500,000 |
| UE004 - Field Backhoe-3rd PDM Crew | - | 250,000 | - | - | - | - | - | 250,000 |
| UE006 - Field Dump Truck-3rd PDM Crew | - | - | 350,000 | - | - | - | - | 350,000 |
| UE026 - Field Service Truck-3rd PDM Crew | - | 350,000 | - | - | - | - | - | 350,000 |
| UE027 - Field Excavator Vactor-3rd PDM crew | 575,000 | - | - | - | - | - | - | 575,000 |
| Total Expenses / Expenditure | 54,918,384 | 74,684,004 | 34,957,123 | 25,874,632 | 15,363,193 | 43,706,211 | 97,506,023 | 347,009,570 |
| Wastewater and Water Services | | | | | | | | |
| U0026 - TOWNSITE UTILITY REPLACEMENT PHASE 4 | 6,007,664 | 3,595,357 | - | - | - | - | - | 9,603,021 |
| U0037 - UTILITY SITE SECURITY IMPROVEMENTS | 572,549 | 624,599 | 260,250 | - | - | - | - | 1,457,398 |
| U0074 - TOWNSITE UTILITY REPLACEMENT PHASE 5 | 3,748,891 | 8,869,248 | - | - | - | - | - | 12,618,139 |
| U0143 - RADIO REPEATER POWER & COMMUNICATION | 438,166 | - | - | - | - | - | - | 438,166 |
| U0144 - DUS CENTRALIZED WAREHOUSE | 50,000 | 600,000 | 1,488,889 | 3,333,333 | 277,777 | - | - | 5,749,999 |
| U0160 - LAB EXPANSION | - | 186,448 | 261,028 | 3,427,272 | 1,142,424 | - | - | 5,017,172 |



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|--|-------------------|-------------------|------------------|-------------------|------------------|-------------------|-------------------|-------------------|
| U0187 - SCADA RADIO SITES BACKUP ELEC POWER IMPROVEMENTS | - | 110,934 | 310,266 | - | - | - | - | 421,200 |
| U0196 - LAB REMODEL | 189,783 | 187,815 | - | - | - | - | - | 377,598 |
| U0229 - SUNRIDGE HEIGHTS - SEVEN HILLS TO HORIZON RIDGE | 57,363 | 4,781 | - | - | - | - | - | 62,144 |
| U0246 - CUSTOMER INFORMATION SYSTEM (CIS) REPLACEMENT | - | - | 485,000 | 485,000 | 2,255,556 | 9,022,222 | 9,022,222 | 21,270,000 |
| U0248 - UTILITY INFRASTRUCTURE ROADWAY IMPROVEMENTS | 255,000 | 255,000 | 255,000 | 255,000 | 255,000 | - | - | 1,275,000 |
| U0248a - UTILITY INFRASTRUCTURE ROADWAY IMPROVEMENTS | 850,000 | 850,000 | 850,000 | 850,000 | 850,000 | 850,000 | 2,550,000 | 7,650,000 |
| U0250 - PECOS ROAD: I-215 TO WINDMILL AVAR UPGRADE | 124,852 | - | - | - | - | - | - | 124,852 |
| U0258 - MEDECO ACCESS CONTROL | 45,150 | - | - | - | - | - | - | 45,150 |
| U0262 - BM RECLAIMED WATER SUPPLY TO CADENCE CENTRAL PARK | 161,412 | 264,491 | - | - | - | - | - | 425,903 |
| U0264 - LAB OFFICE AREA AND CONFERENCE ROOM REMODEL | 483,300 | 392,700 | - | - | - | - | - | 876,000 |
| U0272 - DUS SCADA NETWORK SWITCHES RENEWAL | 80,500 | 425,250 | 47,250 | - | - | - | - | 553,000 |
| U9056a - ON-CALL CONSTRUCTION | 546,250 | 546,250 | 546,250 | 546,250 | 546,250 | 546,250 | 1,092,500 | 4,370,000 |
| U9106 - ON-CALL PAVEMENT PATCHING | 1,650,152 | - | - | - | - | - | - | 1,650,152 |
| U9427 - PAVEMENT PATCHING PROGRAM | 1,534,000 | 1,534,000 | 1,534,000 | 1,534,000 | 1,534,000 | 1,534,000 | 4,602,000 | 13,806,000 |
| U9429S - UTILITY FACILITY OVERSIZING PROGRAM-SEWER | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 400,000 | 1,000,000 |
| U9513a - SCADA COMPONENT REPLACEMENT PROGRAM | 150,000 | 150,000 | 150,000 | 150,000 | 150,000 | 150,000 | 450,000 | 1,350,000 |
| U9599a - HVAC REPLACEMENT PROGRAM | 250,000 | 250,000 | 250,000 | 250,000 | 250,000 | 250,000 | 1,000,000 | 2,500,000 |
| Total Expenses / Expenditure | 17,295,032 | 18,946,873 | 6,537,933 | 10,930,855 | 7,361,007 | 12,452,472 | 19,116,722 | 92,640,894 |



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|--|----------------------|----------------------|---------------------|---------------------|---------------------|---------------------|----------------------|----------------------|
| Utility Program Services | | | | | | | | |
| U9054 - WASTEWATER COLLECTION MASTER PLAN UPDATE | 565,217 | - | - | - | - | - | - | 565,217 |
| U9421 - RESERVOIR REHAB & SURGE TANK ASSESSMENT PROGRAM | 578,298 | 578,298 | 433,723 | - | - | - | - | 1,590,319 |
| U9598a - INDUSTRIAL COATING & PAINTING | 500,000 | - | - | - | - | - | - | 500,000 |
| Total Expenses / Expenditure | 1,643,515 | 578,298 | 433,723 | - | - | - | - | 2,655,536 |
| Total Utilities | 120,230,279 | 200,428,259 | 99,349,163 | 48,373,057 | 32,994,788 | 60,912,068 | 119,633,240 | 681,920,854 |
| Total Expenditure | \$120,230,279 | \$200,428,259 | \$99,349,163 | \$48,373,057 | \$32,994,788 | \$60,912,068 | \$119,633,240 | \$681,920,854 |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0024 - SEWER MAIN R&R - MAGIC WAY TO CENTER ST

| | | | |
|--------------------|---------------------|------------------------|--|
| Sub Program | Wastewater Services | Department | CAP-3700 - Wastewater - Utility Services |
| Start Date | 2023-07-01 | Completion Date | 2026-03-31 |
| Manager | Bryan Mortensen | Project Status | Planned |

Description Rehabilitate 5 miles of existing RCP pipe with diameters ranging from 15-in to 24-inch; relining of 54 existing MH's with epoxy coating; and manhole relining.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------------|------------------|------------------|------------------|------|------|------|--------------|
| Wastewater Rehab & Replacement | 2,325,000 | 7,025,000 | 7,025,000 | - | - | - | - |
| Total Expenditure | 2,325,000 | 7,025,000 | 7,025,000 | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|------|------|------|------|------|------|--------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0025 - WRF SOLIDS CONTACT CLARIFIERS 1 & 2

| | | | |
|--------------------|---------------------|------------------------|--|
| Sub Program | Wastewater Services | Department | CAP-3700 - Wastewater - Utility Services |
| Start Date | 2026-07-01 | Completion Date | 2028-06-30 |
| Manager | Brian Carlson | Project Status | Planned |

Description Procure and replace all metal components in Solids Contact Clarifiers (SCC) No. 1 and No. 2.

Note: Project will be re-evaluated with the WW TF & EM MP and should be one of the first projects, along with U0035-WRF Secondary Clarifiers 1 & 2 started upon completion of WRF Phase 4.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------------|-------------|-------------|-------------|---------------|------------------|-------------|---------------------|
| Wastewater Rehab & Replacement | - | - | - | 50,000 | 2,760,000 | - | - |
| Total Expenditure | - | - | - | 50,000 | 2,760,000 | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0032 - STEPHANIE LIFT STATION EXPANSION/UPGRADE

| | | | |
|--------------------|---------------------|------------------------|--|
| Sub Program | Wastewater Services | Department | CAP-3700 - Wastewater - Utility Services |
| Start Date | 2016-05-01 | Completion Date | 2025-06-30 |
| Manager | Gregory Radig | Project Status | Active |

Description Design and construct modifications to increase capacity from 1.22 to 2.98; replace the existing pump room, wet well and force main; and install odor control equipment improvements.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--|------------------|------------------|------|------|------|------|--------------|
| Wastewater Development Enterprise Fund | 2,319,213 | 8,258,736 | - | - | - | - | - |
| Total Expenditure | 2,319,213 | 8,258,736 | - | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|------|------|------|------|------|------|--------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0035 - WRF SECONDARY CLARIFIERS 1, 2, & 3

| | | | |
|--------------------|---------------------|------------------------|--|
| Sub Program | Wastewater Services | Department | CAP-3700 - Wastewater - Utility Services |
| Start Date | 2026-07-01 | Completion Date | 2028-11-30 |
| Manager | Brian Carlson | Project Status | Planned |

Description The project includes replacement of all metal components in Clarifiers No. 1-3; procurement and installation of equipment to upgrade from conventional to spiral sludge plows; modifications to allow use of brushes for cleaning; as-needed repairs to the concrete basins; and as-needed coating applications to metal and concrete components.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------------|------|------|------|----------------|------------------|----------------|--------------|
| Wastewater Rehab & Replacement | - | - | - | 100,000 | 1,775,000 | 355,000 | - |
| Total Expenditure | - | - | - | 100,000 | 1,775,000 | 355,000 | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|------|------|------|------|------|------|--------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0116 - RR-18 RESERVOIR REHABILITATION

| | | | |
|--------------------|---------------------|------------------------|--|
| Sub Program | Wastewater Services | Department | CAP-3700 - Wastewater - Utility Services |
| Start Date | 2027-07-01 | Completion Date | 2029-06-30 |
| Manager | Victoria Underwood | Project Status | Planned |

Description Rehabilitate reservoir RR18 (1.5 MG), including minor repairs, and recoating/resurfacing of the reservoir.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------------|-------------|-------------|-------------|-------------|----------------|------------------|---------------------|
| Wastewater Rehab & Replacement | - | - | - | - | 100,000 | 1,692,500 | - |
| Total Expenditure | - | - | - | - | 100,000 | 1,692,500 | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0127 - WRF WEST CHEMICAL BLDG ELEC & BLDG REHAB

| | | | |
|--------------------|---------------------|------------------------|--|
| Sub Program | Wastewater Services | Department | CAP-3700 - Wastewater - Utility Services |
| Start Date | 2020-04-01 | Completion Date | 2025-10-31 |
| Manager | Brittany Radke | Project Status | Active |

Description Design and construct a new electrical building west of the existing Chemical building with new electrical panels and gear to provide power to the unit processes in this area of the West Plant and include new conduit to terminal points. Also, design and construct new chemical building designed for the current and future plant operation and chemical use for the West Plant.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------------|------------------|------------------|----------------|-------------|-------------|-------------|---------------------|
| Wastewater Rehab & Replacement | 1,037,428 | 2,767,471 | 922,491 | - | - | - | - |
| Total Expenditure | 1,037,428 | 2,767,471 | 922,491 | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0147 - SWRF SHADE STRUCTURE

| | | | |
|--------------------|---------------------|------------------------|--|
| Sub Program | Wastewater Services | Department | CAP-3700 - Wastewater - Utility Services |
| Start Date | 2020-10-01 | Completion Date | 2023-12-31 |
| Manager | Erwin Secundo | Project Status | Active |

Description This project includes a 58' x 128' shade structure for Membrane Train Structure at the Southwest Water Reclamation Facility (SWRF). This will extend the useful life of the membrane.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------------|----------------|------|------|------|------|------|--------------|
| Wastewater Improvement Bond | 521,361 | - | - | - | - | - | - |
| Total Expenditure | 521,361 | - | - | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|------|------|------|------|------|------|--------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0148 - WRF CAMPUS STRUCTURE MODIFICATIONS

| | | | |
|--------------------|---------------------|------------------------|--|
| Sub Program | Wastewater Services | Department | CAP-3700 - Wastewater - Utility Services |
| Start Date | 2024-07-01 | Completion Date | 2026-02-28 |
| Manager | Adrian Edwards | Project Status | Planned |

Description Relocate the communication infrastructure from WRF Bldg Q to Hydrant Shop, including fiber optic cabling, network switches, and communications for west gate controller and cameras. Since the communication infrastructure between IT and SCADA are intertwined in the project area, this project can be consolidated with a project to relocate the IT systems for reduction of overall cost.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------------|-------------|---------------|----------------|-------------|-------------|-------------|---------------------|
| Wastewater Improvement Bond | - | 85,187 | 160,123 | - | - | - | - |
| Total Expenditure | - | 85,187 | 160,123 | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0150 - SWRF MEMBRANE REPLACEMENT

| | | | |
|--------------------|---------------------|------------------------|--|
| Sub Program | Wastewater Services | Department | CAP-3700 - Wastewater - Utility Services |
| Start Date | 2022-04-01 | Completion Date | 2030-06-30 |
| Manager | MaryAnn Stone | Project Status | Active |

Description This project includes the purchase and replacement of 40 membrane filter cassettes at the Southwest Water Reclamation Facility (SWRF). Replacement is being staggered to replace Trains 1, 2, and 7 in the first year, Trains 3, 6, 8 in the second, and Trains 4 and 5 in the third year.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------------|------------------|------------------|------|------|------|------|----------------|
| Wastewater Rehab & Replacement | 1,863,232 | 1,499,653 | - | - | - | - | 654,155 |
| Total Expenditure | 1,863,232 | 1,499,653 | - | - | - | - | 654,155 |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|------|------|------|------|------|------|--------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0153 - LLV LIFT STATION 27 IMPROVEMENTS

| | | | |
|--------------------|---------------------|------------------------|--|
| Sub Program | Wastewater Services | Department | CAP-3700 - Wastewater - Utility Services |
| Start Date | 2018-01-01 | Completion Date | 2025-06-30 |
| Manager | Gregory Radig | Project Status | Active |

Description Design and construct a new lift station within the existing LS-27 site, demolishing the existing LS-27 that was constructed in 1995, and constructing a new redundant sewer force main to the existing gravity sewer, junction structure, emergency vault, gas vapor air treatment, and associated appurtenances within the Lake Las Vegas South Shore community.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------------|------------------|------------------|-------------|-------------|-------------|-------------|---------------------|
| Wastewater Improvement Bond | 6,436,344 | 3,568,612 | - | - | - | - | - |
| Total Expenditure | 6,436,344 | 3,568,612 | - | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0165 - WRF PHASE 4 IMPROVEMENTS

| | | | |
|--------------------|---------------------|------------------------|--|
| Sub Program | Wastewater Services | Department | CAP-3700 - Wastewater - Utility Services |
| Start Date | 2019-05-01 | Completion Date | 2025-12-31 |
| Manager | Michael Larson | Project Status | Active |

Description Design elements for three (3) construction packages generally include the following:
 Package 1 – miscellaneous improvements/replacements to the Waste Activated Sludge Confluence structure, west potable water supply pipeline, cathodic protection device, SWRF Bypass, potable to reclaimed connection, and Grit Line;
 Package 2 – Headworks improvements to the grit/scum system, accessibility/lifting, screening washer, compaction and scum concentrator upgrades, and screen system replacements,
 Package 3 – Influent Pump Station upgrade and a new 1.6 MG Equalization Basin, addition of a VFA Fermenter, East Blower upgrades, a new 8 MGD BNR Basin, 125-ft radius clarifier, =secondary phosphorus removal evaluation, and Tertiary Filtration upgrades, East Solids PLC upgrades, and utility water system evaluation.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------------|------------------|------------------|------------------|------|------|------|--------------|
| Wastewater Improvement Bond | 2,634,037 | 2,634,037 | 1,317,019 | - | - | - | - |
| Total Expenditure | 2,634,037 | 2,634,037 | 1,317,019 | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|------|------|------|------|------|------|--------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0183 - SWRF CIRCUIT BREAKER TESTING FACILITY

| | | | |
|--------------------|---------------------|------------------------|--|
| Sub Program | Wastewater Services | Department | CAP-3700 - Wastewater - Utility Services |
| Start Date | 2024-07-01 | Completion Date | 2025-12-31 |
| Manager | Clifford Clark | Project Status | Planned |

Description This project includes the purchase and installation of a pre-engineered metal building, work benches, lighting, outlets, and electrical power service equipment for a primary high current injection tester. This will be used as a workshop for large circuit breaker testing and other general electrical maintenance work. It will be installed in the available unused area of the Blower Building at the SWRF.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------------|-------------|---------------|----------------|-------------|-------------|-------------|---------------------|
| Wastewater Improvement Bond | - | 83,200 | 124,800 | - | - | - | - |
| Total Expenditure | - | 83,200 | 124,800 | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | 525 | 540 | 556 | 2,397 |
| Services and Supplies | - | - | - | 502 | 509 | 517 | 2,148 |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0184 - RECLAIMED WATER ROFC POWER SUPPLY

| | | | |
|--------------------|---------------------|------------------------|--|
| Sub Program | Wastewater Services | Department | CAP-3700 - Wastewater - Utility Services |
| Start Date | 2020-07-01 | Completion Date | 2023-08-31 |
| Manager | Erwin Secundo | Project Status | Active |

Description The design and installation of electrical equipment for powering the Reclaimed Water ROFC stations at Country Club and Sun City directly from NV Energy. Abandon in-place existing DUS power cabling between these stations and Site 20.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------------|---------------|----------|----------|----------|----------|----------|--------------|
| Wastewater Improvement Bond | 98,389 | - | - | - | - | - | - |
| Total Expenditure | 98,389 | - | - | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|------|------|------|------|------|------|--------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0188 - SWRF BLDG CLIMATE CONTROL AUTOMATION UPGRADE

| | | | |
|--------------------|---------------------|------------------------|--|
| Sub Program | Wastewater Services | Department | CAP-3700 - Wastewater - Utility Services |
| Start Date | 2025-07-01 | Completion Date | 2026-03-31 |
| Manager | Clifford Clark | Project Status | Planned |

Description Design, purchase, and install new climate control (HVAC) automation system for the buildings at the SWRF plant.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------------|-------------|-------------|----------------|-------------|-------------|-------------|---------------------|
| Wastewater Rehab & Replacement | - | - | 354,650 | - | - | - | - |
| Total Expenditure | - | - | 354,650 | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | 1,533 | 1,579 | 1,626 | 7,007 |
| Services and Supplies | - | - | - | 1,467 | 1,489 | 1,511 | 6,275 |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0190 - EAST SIDE SEWER INTERCEPTOR-PHASE 1

| | | | |
|--------------------|---------------------|------------------------|--|
| Sub Program | Wastewater Services | Department | CAP-3700 - Wastewater - Utility Services |
| Start Date | 2020-07-01 | Completion Date | 2024-10-31 |
| Manager | Michael Warnick | Project Status | Active |

Description Design and construction to replace approximately 6,500 feet of 8-inch and 10-inch sewer line in Conestoga Way and Dawson Avenue with 15-inch sewer main.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------------|------------------|----------------|------|------|------|------|--------------|
| Wastewater Rehab & Replacement | 2,375,758 | 863,912 | - | - | - | - | - |
| Water Rehab & Replacement | 32,864 | 11,950 | - | - | - | - | - |
| Total Expenditure | 2,408,622 | 875,862 | - | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|------|------|------|------|------|------|--------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0191 - EAST SIDE SEWER INTERCEPTOR-PHASE 2

| | | | |
|--------------------|---------------------|------------------------|--|
| Sub Program | Wastewater Services | Department | CAP-3700 - Wastewater - Utility Services |
| Start Date | 2023-07-01 | Completion Date | 2026-12-31 |
| Manager | Suzanne Trabia | Project Status | Planned |

Description Design and construct 4,850 feet of 24-inch sewer in Pueblo Boulevard, 2,475 feet of 27-inch sewer in Warm Springs Road, and 1,650 feet of 30-inch sewer in Center Street, connecting at Pueblo Boulevard and Burkholder Road to Cadence Sewer Interceptor at Center Street and Lake Mead Drive.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--|----------------|------------------|------------------|----------------|------|------|--------------|
| Wastewater Development Enterprise Fund | 663,750 | 1,531,132 | 3,929,647 | 327,471 | - | - | - |
| Total Expenditure | 663,750 | 1,531,132 | 3,929,647 | 327,471 | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|------|------|------|------|------|------|--------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0192 - EAST SIDE SEWER INTERCEPTOR-PHASE 3

| | | | |
|--------------------|---------------------|------------------------|--|
| Sub Program | Wastewater Services | Department | CAP-3700 - Wastewater - Utility Services |
| Start Date | 2023-07-01 | Completion Date | 2026-11-30 |
| Manager | Maylinn Rosales | Project Status | Planned |

Description Design and construct 7,225 feet of 18-inch sewer from Paradise Hills Drive to Mission Drive in the Union Pacific Railroad (UPRR) right-of-way and 6,800 feet of 21-inch sewer from Mission Drive to Equestrian Drive in the UPRR right-of-way and to Boulder Highway to connect to the existing 24-inch sewer near Horizon Drive.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--|----------------|----------------|------------------|------------------|------|------|--------------|
| Wastewater Development Enterprise Fund | 103,650 | 479,125 | 1,333,725 | 1,916,500 | - | - | - |
| Total Expenditure | 103,650 | 479,125 | 1,333,725 | 1,916,500 | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|------|------|------|------|--------|--------|--------------|
| Salaries and Benefits | - | - | - | - | 16,381 | 35,574 | 36,641 |
| Services and Supplies | - | - | - | - | 8,191 | 15,817 | 16,055 |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0197 - WRF BUILDING C REMODEL

| | | | |
|--------------------|---------------------|------------------------|--|
| Sub Program | Wastewater Services | Department | CAP-3700 - Wastewater - Utility Services |
| Start Date | 2023-07-01 Michael | Completion Date | 2024-06-30 |
| Manager | Larson | Project Status | Planned |

Description Remodel and upgrade of the Water Reclamation Building C that includes reconfiguration of office layout to provide additional workspace and conference room, and upgrades to current City standards.

Office layout for the 5 offices and a conference room includes: Relocating the workstations from the room off of the open office area in order to locate a conference room here. Renovation of the existing open office, 1 office and reception area to accommodate the 5 offices and reception area; Reduction in the size of the kitchen; and Misc. flooring in the kitchen, offices and hallway areas due to the relocation of walls.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------------|----------------|----------|----------|----------|----------|----------|--------------|
| Wastewater Improvement Bond | 873,958 | - | - | - | - | - | - |
| Total Expenditure | 873,958 | - | - | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|------|------|------|------|------|------|--------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0203 - STEPHANIE STREET RECLAIMED WATERLINE IMPROVEMENTS

| | | | |
|--------------------|---------------------|------------------------|--|
| Sub Program | Wastewater Services | Department | CAP-3700 - Wastewater - Utility Services |
| Start Date | 2020-02-01 | Completion Date | 2026-04-30 |
| Manager | Brittany Radke | Project Status | Active |

Description Design and construct the rehabilitation of Green Valley Force Main (GVFM) with 20-inchy Primus Liner trenchless liner, from the intersection of Stephanie Street and Galleria Drive to the intersection of Windmill Parkway and Valle Verde Drive (17,500 linear feet). The Green Valley Intermediate Pumping Station.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------------|----------------|------------------|------------------|------|------|------|--------------|
| Wastewater Rehab & Replacement | 442,353 | 3,749,074 | 7,128,276 | - | - | - | - |
| Total Expenditure | 442,353 | 3,749,074 | 7,128,276 | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|------|------|------|------|------|------|--------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0220 - SVR CONNECTION TO CADENCE

| | | | |
|--------------------|---------------------|------------------------|--|
| Sub Program | Wastewater Services | Department | CAP-3700 - Wastewater - Utility Services |
| Start Date | 2021-01-01 | Completion Date | 2024-05-31 |
| Manager | Gregory Radig | Project Status | Active |

Description Design and construction of approximately 150 linear feet of 12-inch sewer pipe across Weisner Way, connect to manhole, and decommission the South Valley Ranch Lift Station.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------|----------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Water Improvement Bonds | 261,629 | - | - | - | - | - | - |
| Total Expenditure | 261,629 | - | - | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0231 - SEWER MAIN R&R PROGRAM - PHASE 2

| | | | |
|--------------------|---------------------|------------------------|--|
| Sub Program | Wastewater Services | Department | CAP-3700 - Wastewater - Utility Services |
| Start Date | 2022-01-01 | Completion Date | 2025-02-28 |
| Manager | Brittany Radke | Project Status | Active |

Description R&R for existing sewer mains. Improvements include repairs and replacement of aging and failing infrastructure.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------------|------------------|------------------|-------------|-------------|-------------|-------------|---------------------|
| Wastewater Rehab & Replacement | 1,527,173 | 1,018,115 | - | - | - | - | - |
| Total Expenditure | 1,527,173 | 1,018,115 | - | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0232 - SEWER MAIN R&R PROGRAM - PHASE 3

| | | | |
|--------------------|---------------------|------------------------|--|
| Sub Program | Wastewater Services | Department | CAP-3700 - Wastewater - Utility Services |
| Start Date | 2023-07-01 | Completion Date | 2026-06-30 |
| Manager | Erwin Secundo | Project Status | Planned |

Description R&R for existing sewer mains. Improvements include repairs and replacement of aging and failing infrastructure.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------------|----------------|----------------|------------------|------|------|------|--------------|
| Wastewater Rehab & Replacement | 410,410 | 410,410 | 5,069,280 | - | - | - | - |
| Total Expenditure | 410,410 | 410,410 | 5,069,280 | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|------|------|------|------|------|------|--------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0233 - SEWER MAIN R&R PROGRAM - PHASE 4

| | | | |
|--------------------|---------------------|------------------------|--|
| Sub Program | Wastewater Services | Department | CAP-3700 - Wastewater - Utility Services |
| Start Date | 2024-07-01 | Completion Date | 2027-09-30 |
| Manager | Bryan Mortensen | Project Status | Planned |

Description R&R for existing sewer mains. Improvements include repairs and replacement of aging and failing infrastructure.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------------|-------------|----------------|----------------|------------------|------------------|-------------|---------------------|
| Wastewater Rehab & Replacement | - | 350,350 | 350,350 | 4,331,600 | 5,032,300 | - | - |
| Total Expenditure | - | 350,350 | 350,350 | 4,331,600 | 5,032,300 | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0234 - SEWER MAIN R&R PROGRAM - PHASE 5

| | | | |
|--------------------|---------------------|------------------------|--|
| Sub Program | Wastewater Services | Department | CAP-3700 - Wastewater - Utility Services |
| Start Date | 2027-07-01 | Completion Date | 2030-09-30 |
| Manager | Suzanne Trabia | Project Status | Planned |

Description R&R for existing sewer mains. Improvements include repairs and replacement of aging and failing infrastructure.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------------|-------------|-------------|-------------|-------------|----------------|----------------|---------------------|
| Wastewater Rehab & Replacement | - | - | - | - | 115,692 | 274,154 | 1,110,154 |
| Total Expenditure | - | - | - | - | 115,692 | 274,154 | 1,110,154 |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0241 - WRF PHASE 4 CONSTRUCTION PKG #1 IMPROVEMENTS

| | | | |
|--------------------|---------------------|------------------------|--|
| Sub Program | Wastewater Services | Department | CAP-3700 - Wastewater - Utility Services |
| Start Date | 2019-05-01 | Completion Date | 2025-12-31 |
| Manager | Michael Larson | Project Status | Active |

Description Construct improvements at the Kurt R. Segler Water Reclamation Facility that include replacement of the cathodic protection device and grit line.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------------|----------------|------------------|----------------|------|------|------|--------------|
| Wastewater Improvement Bond | 554,183 | 1,108,367 | 554,183 | - | - | - | - |
| Total Expenditure | 554,183 | 1,108,367 | 554,183 | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|------|------|------|------|------|------|--------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0242 - WRF PHASE 4 CONSTRUCTION PKG #2 IMPROVEMENTS

| | | | |
|--------------------|---------------------|------------------------|--|
| Sub Program | Wastewater Services | Department | CAP-3700 - Wastewater - Utility Services |
| Start Date | 2019-05-01 | Completion Date | 2025-12-31 |
| Manager | Michael Larson | Project Status | Active |

Description Construct improvements at the Kurt R. Segler Water Reclamation Facility that include grit/scum and maintenance accessibility/lifting improvements, upgrades to the vacuum system and the screening washer, compaction, and grit wash systems; and replacement/upgrade of four screen systems.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------------|------------------|------------------|------------------|------|------|------|--------------|
| Wastewater Improvement Bond | 1,524,004 | 3,048,008 | 1,524,004 | - | - | - | - |
| Total Expenditure | 1,524,004 | 3,048,008 | 1,524,004 | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|------|------|------|------|------|------|--------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0243 - WRF PHASE 4 CONSTRUCTION PKG #3 IMPROVEMENTS

| | | | |
|--------------------|---------------------|------------------------|--|
| Sub Program | Wastewater Services | Department | CAP-3700 - Wastewater - Utility Services |
| Start Date | 2019-05-01 | Completion Date | 2025-12-31 |
| Manager | Michael Larson | Project Status | Active |

Description Construct improvements at the Kurt R. Segler Water Reclamation Facility (KRSWRF) that include upgrades to the Influent Pump Station at the Headworks; Secondary Treatment work includes VFA Fermenter, addition of an 12 MGD BNR Basin and appurtenances, East Blower upgrades, and addition of a Final Clarifier; Tertiary Treatment improvements to secondary phosphorus removal, filtration, and East Solids PLC upgrades; and at Tertiary Treatments; and evaluation of the KRSWRF Utility Water distribution system hydraulic model.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------------|-------------------|-------------------|------------------|------|------|------|--------------|
| Wastewater Improvement Bond | 18,488,893 | 64,711,126 | 9,244,447 | - | - | - | - |
| Total Expenditure | 18,488,893 | 64,711,126 | 9,244,447 | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|------|------|------|------|------|------|--------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0244 - PITTMAN WASH SEWER ACCESS AND PROTECTION

| | | | |
|--------------------|---------------------|------------------------|--|
| Sub Program | Wastewater Services | Department | CAP-3700 - Wastewater - Utility Services |
| Start Date | 2023-07-01 | Completion Date | 2026-06-30 |
| Manager | Michael Larson | Project Status | Planned |

Description Create permanent access to the Pittman wash sewer between Green Valley Pkwy and Valle Verde Dr. Install protection for existing 21-inch and 8-inch sewer to prevent erosion around pipe which may include additional concrete caps or control structures or rip rap.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------------|----------------|----------------|------------------|-------------|-------------|-------------|---------------------|
| Wastewater Improvement Bond | 560,000 | 560,000 | 9,780,000 | - | - | - | - |
| Total Expenditure | 560,000 | 560,000 | 9,780,000 | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0247 - VALLE VERDE AT PITTMAN WASH SEWER REPLACEMENT

| | | | |
|--------------------|---------------------|------------------------|--|
| Sub Program | Wastewater Services | Department | CAP-3700 - Wastewater - Utility Services |
| Start Date | 2022-04-01 | Completion Date | 2025-08-30 |
| Manager | Brittany Radke | Project Status | Active |

Description Replace 105 linear feet of 18-inch sewer main under bridge and concrete apron at Valle Verde and the Pittman Wash crossing. Project will include bypass pumping and may include directional boring methods for the installation of the new sewer main.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------------|----------------|----------------|------------------|-------------|-------------|-------------|---------------------|
| Wastewater Rehab & Replacement | 146,972 | 848,043 | 1,669,839 | - | - | - | - |
| Total Expenditure | 146,972 | 848,043 | 1,669,839 | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0256 - LAKE LAS VEGAS SEWER MAIN R&R

| | | | |
|--------------------|---------------------|------------------------|--|
| Sub Program | Wastewater Services | Department | CAP-3700 - Wastewater - Utility Services |
| Start Date | 2023-07-01 | Completion Date | 2026-09-30 |
| Manager | Victoria Underwood | Project Status | Planned |

Description Replacement of 1620 linear feet of 15" sewer main and 7 MHs along Grand Corniche Drive near the golf course and relining 22 MH's with epoxy coating along Montelago Boulevard, Grand Corniche Drive, Rue Mediterra Drive, and near the golf course.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------------|----------------|----------------|------------------|------------------|------|------|--------------|
| Wastewater Improvement Bond | 130,547 | 313,313 | 4,269,851 | 2,125,289 | - | - | - |
| Total Expenditure | 130,547 | 313,313 | 4,269,851 | 2,125,289 | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|------|------|------|------|------|------|--------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0259 - WRF WEST DITCH 1&2 MAJOR UPGRADE

| | | | |
|--------------------|---------------------|------------------------|--|
| Sub Program | Wastewater Services | Department | CAP-3700 - Wastewater - Utility Services |
| Start Date | 2031-11-01 | Completion Date | 2035-06-30 |
| Manager | Victoria Underwood | Project Status | Planned |

Description Intensive rehabilitation/modification of the two 12-mdg modified oxidation ditches including concrete structure repair and concrete structure coating. Evaluation of mixing methods. Replacement of existing mixers on decks with new technology. Replacement of ceramic diffuser headers. Modify/increase the MLR pump opening.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Wastewater Rehab & Replacement | - | - | - | - | - | - | 516,667 |
| Total Expenditure | - | - | - | - | - | - | 516,667 |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0260 - WRF SOLIDS CONTACT CLARIFIERS 3 - 4

| | | | |
|--------------------|---------------------|------------------------|--|
| Sub Program | Wastewater Services | Department | CAP-3700 - Wastewater - Utility Services |
| Start Date | 2026-11-01 | Completion Date | 2029-12-31 |
| Manager | Victoria Underwood | Project Status | Planned |

Description Procure and replace all metal components in Solids Contact Clarifiers (SCC) No. 3-4.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------------|-------------|-------------|-------------|---------------|----------------|------------------|---------------------|
| Wastewater Rehab & Replacement | - | - | - | 88,654 | 487,596 | 2,431,731 | 729,519 |
| Total Expenditure | - | - | - | 88,654 | 487,596 | 2,431,731 | 729,519 |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0261 - EAST SOLIDS POLYMER PUMP SKID REPLACEMENTS

| | | | |
|--------------------|---------------------|------------------------|--|
| Sub Program | Wastewater Services | Department | CAP-3700 - Wastewater - Utility Services |
| Start Date | 2023-09-01 | Completion Date | 2026-06-30 |
| Manager | Brian Carlson | Project Status | Planned |

Description Replacement of the five polymer feed systems in East Solids. This project will mainly be an equipment purchase plus installation costs. PLC upgrades and new conduit will be needed for these pumps.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------------|---------------|----------------|----------------|------|------|------|--------------|
| Wastewater Rehab & Replacement | 42,200 | 125,800 | 138,000 | - | - | - | - |
| Total Expenditure | 42,200 | 125,800 | 138,000 | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|------|------|------|------|------|------|--------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0263 - WRF SECONDARY CLARIFIERS 4-6

| | | | |
|--------------------|---------------------|------------------------|--|
| Sub Program | Wastewater Services | Department | CAP-3700 - Wastewater - Utility Services |
| Start Date | 2025-05-01 | Completion Date | 2027-06-30 |
| Manager | Victoria Underwood | Project Status | Planned |

Description Replace the effluent weirs and scum baffles for Clarifiers No. 4-6 with RFP components. Clarifiers 4-6 mechanical components to be recoated. Evaluate extent of concrete repair and rehabilitate where needed. Coat concrete interior of all clarifier basins. Clarifier 4 modifications to add brush cleaning system.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------|------|---------------|------------------|------------------|------|------|--------------|
| Wastewater - Operating | - | 98,243 | 1,138,219 | 1,068,056 | - | - | - |
| Total Expenditure | - | 98,243 | 1,138,219 | 1,068,056 | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|------|------|------|------|------|------|--------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0271 - LANDER AND OLSEN LIFT STATION BACKUP POWER GENERATORS RENEWAL

| | | | |
|--------------------|---------------------|------------------------|--|
| Sub Program | Wastewater Services | Department | CAP-3700 - Wastewater - Utility Services |
| Start Date | 2024-07-01 | Completion Date | 2026-06-30 |
| Manager | Victoria Underwood | Project Status | Planned |

Description The design, purchase, and installation of new backup diesel standby power generators and automatic transfer switches at sewage lift stations Lander and Olsen. Preliminary sizing for reliable LS pump starting operation would be 100 kW for Lander and 150 kW for Olsen.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------------|-------------|---------------|----------------|-------------|-------------|-------------|---------------------|
| Wastewater Rehab & Replacement | - | 70,220 | 386,480 | - | - | - | - |
| Total Expenditure | - | 70,220 | 386,480 | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

UE028 - Field CCTV Truck

| | | | |
|--------------------|---------------------|------------------------|--|
| Sub Program | Wastewater Services | Department | CAP-3700 - Wastewater - Utility Services |
| Start Date | 2026-07-01 | Completion Date | 2027-06-30 |
| Manager | Cliff Clark | Project Status | Planned |

Description Valve Exercise truck with Mini Vac.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------|-------------|-------------|-------------|----------------|-------------|-------------|---------------------|
| Wastewater - Operating | - | - | - | 560,000 | - | - | - |
| Total Expenditure | - | - | - | 560,000 | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

UE029 - UPGRADES TO REFRESH PROGRAM

| | | | |
|--------------------|---------------------|------------------------|--|
| Sub Program | Wastewater Services | Department | CAP-3700 - Wastewater - Utility Services |
| Start Date | 2023-07-01 | Completion Date | 2027-06-30 |
| Manager | Cliff Clark | Project Status | Planned |

Description Upgrades to refresh program.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------|------------------|------------------|------------------|------------------|------|------|--------------|
| Wastewater - Operating | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | - | - | - |
| Total Expenditure | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|------|------|------|------|------|------|--------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0058 - PS-03A UPGRADES

| | | | |
|--------------------|----------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2021-07-01 | Completion Date | 2025-05-31 |
| Manager | Erwin Secundo | Project Status | Active |

Description Install additional 3rd pump and motor assembly on the pump skid, along with new main water mag flow meter, transmitter, power quality meter for SCADA connection, and PLC hardware upgrade. Install safety improvements for pump maintenance access and confirm surge tank size for 3rd pump.

This project includes the addition of a third pump assembly PA-03 to PS-03A. Also included is the addition of a new VFD and associated controls and instrumentation as well as replacement of the existing VDF's on PA- 02 & PA-01. Install 3rd pump and motor assembly on the pump skid, new main water mag flow meter and transmitter, new power quality meter for construction on SCADA, new PLC hardware upgrade.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------|----------------|----------------|------|------|------|------|--------------|
| Bond Proceeds - Water | 378,980 | 677,263 | - | - | - | - | - |
| Total Expenditure | 378,980 | 677,263 | - | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|------|------|------|------|------|------|--------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0067 - LLV RAW WATER SCADA IMPROVEMENTS

| | | | |
|--------------------|----------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2024-08-01 | Completion Date | 2026-06-30 |
| Manager | Clifford Clark | Project Status | Planned |

Description Evaluate existing SCADA system consisting of the raw lake fill sleeve valve, Southshore lake water pumping station and raw water flow control valve, raw water waterfall flow control valve, upgraded Falls golf course raw water flow control valve, and any future components; and design and install communication and control of the Lake Las Vegas Raw Water and Lake Water systems.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|---------------------------|-------------|---------------|----------------|-------------|-------------|-------------|---------------------|
| Water Rehab & Replacement | - | 62,222 | 467,903 | - | - | - | - |
| Total Expenditure | - | 62,222 | 467,903 | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | 338 | 1,612 | 1,661 | 3,473 |
| Services and Supplies | - | - | - | 225 | 984 | 999 | 2,043 |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0092 - R-4 RESERVOIR REHABILITATION

| | | | |
|--------------------|-----------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2026-06-01 | Completion Date | 2027-06-30 |
| Manager | Brian Mortensen | Project Status | Planned |

Description Rehabilitate reservoir 4 (1 MG) including upgrades to overflow device, restoration of drainage facilities, minor repairs, and recoating/resurfacing of the reservoir.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|---------------------------|-------------|-------------|---------------|------------------|-------------|-------------|---------------------|
| Water Rehab & Replacement | - | - | 80,000 | 1,182,500 | - | - | - |
| Total Expenditure | - | - | 80,000 | 1,182,500 | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0095 - R-12 RESERVOIR REHABILITATION

| | | | |
|--------------------|--------------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2024-09-01 | Completion Date | 2026-06-30 |
| Manager | Victoria Underwood | Project Status | Planned |

Description Rehabilitate reservoir R-12 (3 MG) , including upgrades to the existing overflow device, minor repairs, and recoating/resurfacing the reservoir.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|---------------------------|-------------|----------------|------------------|-------------|-------------|-------------|---------------------|
| Water Rehab & Replacement | - | 237,600 | 2,270,630 | - | - | - | - |
| Total Expenditure | - | 237,600 | 2,270,630 | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0110 - R-5 RESERVOIR REHABILITATION

| | | | |
|--------------------|-----------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2026-07-01 | Completion Date | 2028-06-30 |
| Manager | Bryan Mortensen | Project Status | Planned |

Description Rehabilitate reservoir 5 (.75 MG), perform minor repairs, recoat/resurface the reservoir, modify drainage facilities, and provide a security cage for the overflow headwall.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|---------------------------|-------------|-------------|-------------|---------------|----------------|-------------|---------------------|
| Water Rehab & Replacement | - | - | - | 60,000 | 915,000 | - | - |
| Total Expenditure | - | - | - | 60,000 | 915,000 | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0111 - R-6 RESERVOIR REHABILITATION

| | | | |
|--------------------|--------------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2024-07-01 | Completion Date | 2026-06-30 |
| Manager | Victoria Underwood | Project Status | Planned |

Description Rehabilitate reservoir R-6 (1.5 MG) including minor repairs and recoat/resurface the reservoir.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|---------------------------|-------------|----------------|------------------|-------------|-------------|-------------|---------------------|
| Water Rehab & Replacement | - | 120,000 | 1,720,000 | - | - | - | - |
| Total Expenditure | - | 120,000 | 1,720,000 | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0114 - R-20A RESERVOIR REHABILITATION

| | | | |
|--------------------|--------------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2023-07-01 | Completion Date | 2025-06-30 |
| Manager | Victoria Underwood | Project Status | Planned |

Description Rehabilitate reservoir 20A (2 MG), including minor repairs/upgrades and recoating/resurfacing, and a mixer for water quality improvement.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|---------------------------|----------------|------------------|-------------|-------------|-------------|-------------|---------------------|
| Water Rehab & Replacement | 197,900 | 1,916,364 | - | - | - | - | - |
| Total Expenditure | 197,900 | 1,916,364 | - | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0137 - R-1877A RESERVOIR

| | | | |
|--------------------|----------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2021-07-01 | Completion Date | 2025-11-30 |
| Manager | Bonnie Croft | Project Status | Active |

Description A 5.5 million gallon concrete storage reservoir to serve the east part of Pressure Zone 1877, which includes a major portion of the on-going Cadence development. In accordance with the approved Master Plan and Development Agreement, the City will fund the design and construction of the 1877 Zone Reservoir, a 4.5 MG above-grade concrete reservoir on APN 16033801017.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------------------|------------------|------------------|------------------|-------------|-------------|-------------|---------------------|
| Water Development Enterprise Fund | 1,457,647 | 7,351,765 | 3,063,235 | - | - | - | - |
| Total Expenditure | 1,457,647 | 7,351,765 | 3,063,235 | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0145 - R-11 RESERVOIR REHABILITATION

| | | | |
|--------------------|--------------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2028-07-01 | Completion Date | 2030-06-30 |
| Manager | Victoria Underwood | Project Status | Planned |

Description Rehabilitation of the existing 5 MG steel reservoir R-11, including recoating interior and exterior surfaces.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|---------------------------|-------------|-------------|-------------|-------------|-------------|----------------|---------------------|
| Water Rehab & Replacement | - | - | - | - | - | 250,000 | 4,825,000 |
| Total Expenditure | - | - | - | - | - | 250,000 | 4,825,000 |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0146 - R-15A RESERVOIR REHABILITATION

| | | | |
|--------------------|--------------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2027-09-01 | Completion Date | 2029-05-31 |
| Manager | Victoria Underwood | Project Status | Planned |

Description Rehabilitation of the existing .25 MG steel reservoir R-15A.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|---------------------------|------|------|------|------|---------------|----------------|--------------|
| Water Rehab & Replacement | - | - | - | - | 38,700 | 262,578 | - |
| Total Expenditure | - | - | - | - | 38,700 | 262,578 | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|------|------|------|------|------|------|--------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0151 - PS-21N DECOMMISSIONING

| | | | |
|--------------------|-----------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2024-07-01 | Completion Date | 2026-05-31 |
| Manager | Bryan Mortensen | Project Status | Planned |

Description Demolish and remove signage, landscaping, structural building/vaults, mechanical, electrical and telemetry equipment for PS-21N. Cut/cap and abandon in place approximately 700 linear feet of 16-inch pipeline.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------|-------------|----------------|----------------|-------------|-------------|-------------|---------------------|
| Water Improvement Bonds | - | 115,000 | 780,000 | - | - | - | - |
| Total Expenditure | - | 115,000 | 780,000 | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0156 - 1840 PZ VALVE INSTALLATIONS

| | | | |
|--------------------|-----------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2026-02-01 | Completion Date | 2027-06-30 |
| Manager | Bryan Mortensen | Project Status | Planned |

Description Install three 30-inch butterfly valves on the 1840 Pressure Zone 30-inch steel transmission main from R-11.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------|------|------|---------------|------------------|------|------|--------------|
| Water Improvement Bonds | - | - | 60,000 | 1,557,500 | - | - | - |
| Total Expenditure | - | - | 60,000 | 1,557,500 | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|------|------|------|------|------|------|--------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0157 - ADVANCED METERING INFRASTRUCTURE (AMI)

| | | | |
|--------------------|---------------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2022-05-01 | Completion Date | 2027-06-30 |
| Manager | Jennifer Rosenbusch | Project Status | Active |

Description Purchase and installation of water meters, meter interface units (MIU), infrastructure, and hardware and software systems necessary to communicate water consumption data from MUI to City billing system and meter data management (MDM) systems.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------|-------------------|-------------------|-------------------|-------------------|-------------|-------------|---------------------|
| Water Improvement Bonds | 14,166,627 | 16,841,412 | 13,930,235 | 11,019,056 | - | - | - |
| Total Expenditure | 14,166,627 | 16,841,412 | 13,930,235 | 11,019,056 | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | 78,865 | 193,988 | 405,608 |
| Services and Supplies | - | - | - | - | 52,577 | 116,704 | 238,685 |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0176 - WTP RAW WATER CHEMICAL ADDITION IMPROVEMENTS

| | | | |
|--------------------|-----------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2029-07-01 | Completion Date | 2031-06-30 |
| Manager | Bryan Mortensen | Project Status | Planned |

Description Design and installation of a vault, chemical injection equipment and 1000 sf storage chemical feed facility of pH adjustments at the WTP near the existing Raw Water Sampling Vault.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Water Improvement Bonds | - | - | - | - | - | - | 1,410,000 |
| Total Expenditure | - | - | - | - | - | - | 1,410,000 |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | 12,763 |
| Services and Supplies | - | - | - | - | - | - | 5,592 |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0194 - PS-12 REPLACEMENT

| | | | |
|--------------------|-----------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2027-07-01 | Completion Date | 2031-04-30 |
| Manager | Brian Mortensen | Project Status | Planned |

Description Design and construct 8.5 MGD Pumping Station to replace the existing station, adjacent to the existing station. Station includes 3 duty pumps, 1 standby pump for a total of 7900 gpm to meet 18-hour per day pumping. Station will be enclosed in an estimated 70x30 CMU building with an electrical room. Site piping will be installed to reconnect to existing suction and discharge piping.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------|-------------|-------------|-------------|-------------|----------------|----------------|---------------------|
| Water Improvement Bonds | - | - | - | - | 155,077 | 516,923 | 4,608,000 |
| Total Expenditure | - | - | - | - | 155,077 | 516,923 | 4,608,000 |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0195 - MACDONALD HIGHLANDS EAST PUMPS

| | | | |
|--------------------|-----------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2023-02-01 | Completion Date | 2025-04-30 |
| Manager | Maylinn Rosales | Project Status | Active |

Description Upgrade existing pumps to increase capacity and meet the planned demands. Pump capacities will be increased to PS-06 to 2,870 gpm, PS-13A to 1,325 gpm and PS-27 to 560 gpm.

Design and construct a new 1,200-gpm pumping station to deliver water to the R-28 reservoir. Construct building to include space for future PS-13C serving most of Ascaya. Construct 2,200 feet of 12-inch transmission pipe from PS-13D to the upstream (2760 Pressure Zone) side of PRV-124 in Dragon Ridge Drive.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------|----------------|----------------|-------------|-------------|-------------|-------------|---------------------|
| Water Improvement Bonds | 202,115 | 724,114 | - | - | - | - | - |
| Total Expenditure | 202,115 | 724,114 | - | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0198 - R-13B 2MG RESERVOIR & P-13C

| | | | |
|--------------------|----------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2020-01-01 | Completion Date | 2025-05-31 |
| Manager | Brittany Radke | Project Status | Active |

Description The scope of the project is to construct a new 2 MG reservoir, R13-B. It also includes the construction of all site piping, grading, drainage, property & right of way acquisition, electrical, Scada/control, entitlement, and all other related work and appurtenances that are typically associated with this type of construction. The existing reservoirs and pump station will remain in service during construction.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------|------------------|------------------|-------------|-------------|-------------|-------------|---------------------|
| Water Improvement Bonds | 5,070,326 | 4,370,264 | - | - | - | - | - |
| Total Expenditure | 5,070,326 | 4,370,264 | - | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0201 - SUNRIDGE HEIGHTS HEA ONSITE WATERLINE IMPROVEMENTS

| | | | |
|--------------------|----------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2020-06-01 | Completion Date | 2023-10-31 |
| Manager | Suzanne Trabia | Project Status | Active |

Description This project will include abandoning approximately 2,500 linear feet of 12-inch water main and associated apparatuses and installation of approximately 5,400 linear feet of new 16-inch Polyvinyl Chloride (PVC) water main within Clark County Department of Aviation property. The new 16-inch water main will connect to the Sunridge Heights Parkway Phase 2A project awarded for construction on February 4, 2020.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------|------------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Bond Proceeds - Water | 2,703,838 | - | - | - | - | - | - |
| Total Expenditure | 2,703,838 | - | - | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0205 - PUMP STATION 12

| | | | |
|--------------------|----------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2022-03-01 | Completion Date | 2023-09-30 |
| Manager | Trevor Ross | Project Status | Active |

Description Replacement of two (2) existing pumping units; and 50% of the surge tank improvements, magnetic meter, meter vault, valve vault, yard piping, R07 valve modification and building ventilation louver. Items that are based on percentage of cost will be split between Developer and City based on the percentage of cost determined by the ratio of cost identified Developer work to total cost of awarded bid or the ratio of cost identified City work to total cost of awarded bid.

Project Forecast

| Funding Source | <u>2024</u> | <u>2025</u> | <u>2026</u> | <u>2027</u> | <u>2028</u> | <u>2029</u> | <u>Future Years</u> |
|--------------------------|----------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Bond Proceeds - Water | 303,323 | - | - | - | - | - | - |
| Total Expenditure | 303,323 | - | - | - | - | - | - |

Operating Impact

| Description | <u>2024</u> | <u>2025</u> | <u>2026</u> | <u>2027</u> | <u>2028</u> | <u>2029</u> | <u>Future Years</u> |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0208 - SITE 2 UPGRADES REDESIGN

| | | | |
|--------------------|----------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2020-04-01 | Completion Date | 2027-02-28 |
| Manager | Erwin Secundo | Project Status | Active |

Description Prepare construction documents to redesign PS 2 with an 8MGD firm capacity. Scope includes combining PS and Electrical building; surge analysis; single surge tank; single flowmeter; NV Energy electrical design; 1/2 street improvements on Mona Lane; on-site storm drain improvements; re-grading and retaining walls where necessary.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|---------------------------|----------------|------------------|------------------|----------------|------|------|--------------|
| Water Rehab & Replacement | 168,904 | 3,347,133 | 4,005,749 | 668,966 | - | - | - |
| Total Expenditure | 168,904 | 3,347,133 | 4,005,749 | 668,966 | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|------|------|------|------|------|------|--------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0210 - AVAR UPGRADE PROGRAM

| | | | |
|--------------------|----------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2020-07-01 | Completion Date | 2024-07-31 |
| Manager | Michael Larson | Project Status | Active |

Description Design and install necessary Air Vacuum Air Relief (AVAR) valve installations and associated improvements at approximately 23 identified locations Citywide. Work may include removal/replacement of sidewalk/roadways, landscaping repairs, etc.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|---------------------------|------------------|----------------|-------------|-------------|-------------|-------------|---------------------|
| Water Rehab & Replacement | 1,136,645 | 113,478 | - | - | - | - | - |
| Total Expenditure | 1,136,645 | 113,478 | - | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0216 - EASTERN-HORIZON RIDGE TO SUN CITY LATERALS

| | | | |
|--------------------|-----------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2020-12-01 | Completion Date | 2024-08-31 |
| Manager | Maylinn Rosales | Project Status | Active |

Description Design and construct the upgrade to UDACS/ADA standards and/or replacement/relocation of approximately five (5) AVARs and 12 poly laterals.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|---------------------------|----------------|---------------|------|------|------|------|--------------|
| Water Rehab & Replacement | 209,050 | 38,010 | - | - | - | - | - |
| Total Expenditure | 209,050 | 38,010 | - | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|------|------|------|------|------|------|--------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0224 - CADENCE LS OVERSIZE

| | | | |
|--------------------|-----------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2022-12-01 | Completion Date | 2024-03-31 |
| Manager | Maylinn Rosales | Project Status | Active |

Description Cadence LS will serve Parcel A and the area currently served by South Valley Ranch LS. Design peak flow is 2.08 MGD. SVR-LS will be decommissioned (see separate CIP project). This project will be designed and constructed by the developer. City will fund the oversizing portion, including LS and collector main oversizing. "Temporary" sewer east of the LS may be abandoned or left in place after Cadence LS is operational. Tuscany LS is undergoing improvements for odor issues. Development Agreement will be modified to reflect cost sharing between city and developer.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------------------|------------------|----------|----------|----------|----------|----------|--------------|
| Water Development Enterprise Fund | 3,115,333 | - | - | - | - | - | - |
| Total Expenditure | 3,115,333 | - | - | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|------|------|------|------|------|------|--------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0225 - VAN WAGENEN ST - GREENWAY TO LAKE MEAD

| | | | |
|--------------------|-----------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2020-07-01 | Completion Date | 2024-01-31 |
| Manager | Maylinn Rosales | Project Status | Active |

Description Poly service laterals, various sizes, to be replaced and meter boxes brought up to current standards: (1)-3/4", (1)-1", (1)-1 1/2", (5)-2". 8-inch gate valve (GV) to be replaced with current city standard installation.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|---------------------------|---------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Water Rehab & Replacement | 16,557 | - | - | - | - | - | - |
| Total Expenditure | 16,557 | - | - | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0236 - R-02 RESERVOIR REHABILITATION

| | | | |
|--------------------|--------------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2029-07-01 | Completion Date | 2031-08-31 |
| Manager | Victoria Underwood | Project Status | Planned |

Description Project includes the rehabilitation of Reservoir 02 (3.0 MG) including the recoating of the surface as well as upgrades to the existing overflow devices and minor repairs.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|---------------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Water Rehab & Replacement | - | - | - | - | - | - | 3,375,000 |
| Total Expenditure | - | - | - | - | - | - | 3,375,000 |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0237 - R-01A RESERVOIR REHABILITATION

| | | | |
|--------------------|----------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2028-09-01 | Completion Date | 2030-08-31 |
| Manager | Gregory Sutter | Project Status | Planned |

Description Project includes the rehabilitation of Reservoir 1A (3.75 MG) including the recoating of the surface as well as upgrades to the existing overflow devices and minor repairs.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|---------------------------|-------------|-------------|-------------|-------------|-------------|----------------|---------------------|
| Water Rehab & Replacement | - | - | - | - | - | 250,000 | 3,980,000 |
| Total Expenditure | - | - | - | - | - | 250,000 | 3,980,000 |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0239 - R-33 5.0 MG RESERVOIR

| | | | |
|--------------------|----------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2029-07-01 | Completion Date | 2030-04-30 |
| Manager | Gregory Sutter | Project Status | Planned |

Description Design and construct 5 MG concrete reservoir southwest of NSC along with site improvements. Receiving reservoir for future City of Henderson transmission main from future Southern Nevada Water Authority "Paradise Hills Booster Pumping Station" off of the Horizon Lateral.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Water Development Enterprise Fund | - | - | - | - | - | - | 16,123,699 |
| Total Expenditure | - | - | - | - | - | - | 16,123,699 |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0240 - SERVICE LINE REPLACEMENT PROGRAM - PHASE 2

| | | | |
|--------------------|------------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2022-02-01 | Completion Date | 2025-03-31 |
| Manager | Dustin Salisbury | Project Status | Active |

Description Replacement of approximately 311 water service laterals for select neighborhoods where the lines have reached the end of useful life. The laterals are located in the Green Valley South and Green Valley North neighborhoods. This scope includes design of lateral replacements, excavation, removal, install, backfill for replacement of service lines 3/4 - 2" in diameter from the water main to the meter.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|---------------------------|------------------|----------------|-------------|-------------|-------------|-------------|---------------------|
| Water Rehab & Replacement | 1,696,269 | 234,375 | - | - | - | - | - |
| Total Expenditure | 1,696,269 | 234,375 | - | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0245 - TRANSMISSION MAIN FROM R-33

| | | | |
|--------------------|----------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2025-11-01 | Completion Date | 2030-05-31 |
| Manager | Sharla Gibson | Project Status | Planned |

Description Design and construct approx. 8,500 LF of 24" and 16" pipeline with Pressure Reducing Valve from Future R-33 to the intersection of College Drive and Paradise Hills Drive.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------------------|-------------|-------------|----------------|------------------|------------------|------------------|---------------------|
| Water Development Enterprise Fund | - | - | 226,154 | 1,243,846 | 3,092,308 | 4,638,462 | 2,319,231 |
| Total Expenditure | - | - | 226,154 | 1,243,846 | 3,092,308 | 4,638,462 | 2,319,231 |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0255 - FCS-19 & 30-INCH TM

| | | | |
|--------------------|--------------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2029-04-01 | Completion Date | 2040-04-30 |
| Manager | Victoria Underwood | Project Status | Planned |

Description Design and construct 20" flow control valve station ("FCS-19") and 7,420 LF of 30-inch transmission main in the Anthem Parkway corridor from Site 19 to the intersection of Anthem Parkway and Sun City Anthem Drive.

Design and construct 30 MGD flow control facility at Site #19 and 6,100 LF of 30-in diameter transmission main from P-19A to Eastern Avenue and Sun City Anthem Drive.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------------------|------|------|------|------|------|------------------|-------------------|
| Water Development Enterprise Fund | - | - | - | - | - | 5,758,600 | 16,222,500 |
| Total Expenditure | - | - | - | - | - | 5,758,600 | 16,222,500 |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|------|------|------|------|------|------|--------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0257 - PUMP STATION ROOF SAFETY IMPROVEMENTS

| | | | |
|--------------------|----------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2023-06-01 | Completion Date | 2025-06-30 |
| Manager | Erwin Secundo | Project Status | Active |

Description There are 20 pump station sites with building that lack safety provisions. These pump station buildings have been designed so that pumps must be lifted vertically, through the roof, using a crane for removal. There are roof hatches above every pump that must be removed so that the pumps can be accessed. Operations must walk along angled roofs to access these hatches without fall protection safety provisions. The hatches are heavy metal and must be manually lifted away from the opening.

Pump stations currently identified: 4, 8A, 13A, 14A, 17, 18, 19, 19A, 20, 21S, 23, 24, 25, 27, 29, 31, 36, 40 GVIPS.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------|----------------|------------------|------|------|------|------|--------------|
| Water Improvement Bonds | 193,000 | 1,247,000 | - | - | - | - | - |
| Total Expenditure | 193,000 | 1,247,000 | - | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|------|------|------|------|------|------|--------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0265 - HORIZON LATERAL NORTH SITE 17 YARD PIPING IMPROVEMENTS

| | | | |
|--------------------|----------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2029-10-01 | Completion Date | 2030-03-31 |
| Manager | Sharla Gibson | Project Status | Planned |

Description Design and construct yard piping, valves, and controls to receive water from FUTURE SNWA ROFC off FUTURE Horizon Lateral co-located with Site 17.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Water Fund - Operating | - | - | - | - | - | - | 348,400 |
| Total Expenditure | - | - | - | - | - | - | 348,400 |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0266 - HORIZON LATERAL SITE 36 YARD PIPING IMPROVEMENTS

| | | | |
|--------------------|----------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2027-07-01 | Completion Date | 2030-03-31 |
| Manager | Sharla Gibson | Project Status | Planned |

Description Design and construct yard piping, valves, and controls to receive water at Site 36 via the proposed Southern Nevada Water Authority Inspirada ROFCS.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------|------|------|------|------|----------------|----------------|----------------|
| Water Improvement Bonds | - | - | - | - | 193,556 | 564,119 | 682,125 |
| Total Expenditure | - | - | - | - | 193,556 | 564,119 | 682,125 |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|------|------|------|------|------|------|--------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0267 - HORIZON LATERAL 2500 PZ TRANSMISSION-NSC

| | | | |
|--------------------|----------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2026-07-01 | Completion Date | 2030-06-30 |
| Manager | Gregory Sutter | Project Status | Planned |

Description Design and construct 36- & 16-inch transmission mains to convey 38 MGD of potable water from the future Southern Nevada Water Authority ROFC to Paradise Hills Dr & College Dr to 2500 PZ, with a connection to the 16-inch PZ 2500 waterline in Paradise Hills Drive near Nevada State College.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------|-------------|-------------|-------------|----------------|----------------|------------------|---------------------|
| Water Improvement Bonds | - | - | - | 433,417 | 495,333 | 6,216,146 | 565,104 |
| Total Expenditure | - | - | - | 433,417 | 495,333 | 6,216,146 | 565,104 |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0268 - HORIZON LATERAL 2720 PZ TRANSMISSION TO R-33

| | | | |
|--------------------|----------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2026-09-01 | Completion Date | 2030-05-31 |
| Manager | Sharla Gibson | Project Status | Planned |

Description Design and construct 36-inch transmission main to convey water pumped from future Southern Nevada Water Authority "Paradise Hills Booster Pumping Station" to future City of Henderson receiving reservoir R-33. Approximate alignment and length to be determined.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------|------|------|------|----------------|----------------|------------------|-------------------|
| Water Improvement Bonds | - | - | - | 694,792 | 972,708 | 6,779,559 | 15,722,941 |
| Total Expenditure | - | - | - | 694,792 | 972,708 | 6,779,559 | 15,722,941 |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|------|------|------|------|------|------|--------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0270 - PUMP STATION 16 MOTOR CONTROL CENTER UPGRADE

| | | | |
|--------------------|--------------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2024-07-01 | Completion Date | 2026-11-30 |
| Manager | Victoria Underwood | Project Status | Planned |

Description Design, purchase, and install new motor control center for the potable water Pump Station 16. This includes the overall MCC enclosure and bus structure; motor starters, motor protection relays, circuit breakers, and low voltage transformer, distribution panel, power quality monitor, and transient voltage suppression. These assets are packaged in an engineered MCC assembly and are proposed to be renewed in a combined project herein.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|---------------------------|-------------|---------------|----------------|---------------|-------------|-------------|---------------------|
| Water Rehab & Replacement | - | 95,570 | 503,217 | 55,913 | - | - | - |
| Total Expenditure | - | 95,570 | 503,217 | 55,913 | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0701 - R-36A 5.0 MG RESERVOIR

| | | | |
|--------------------|------------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2018-07-01 | Completion Date | 2023-11-30 |
| Manager | Dustin Salisbury | Project Status | Active |

Description Design and construction of the 5.0 MG Reservoir 36A of Phase A of West Henderson Phase 1 2760 PZ Backbone Water System.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------------------|------------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Water Development Enterprise Fund | 1,112,384 | - | - | - | - | - | - |
| Water Improvement Bonds | 2,080,066 | - | - | - | - | - | - |
| Total Expenditure | 3,192,450 | - | - | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0703 - 2630 42-INCH WEST HENDERSON TRANSMISSION MAIN

| | | | |
|--------------------|----------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2020-04-01 | Completion Date | 2025-05-31 |
| Manager | Gregory Radig | Project Status | Active |

Description Design and construct 15,000 lf of 36-in; 3600 lf of 24-in DIP water main in Casa Del Sol; 3,700 lf of fiber optic conduit; and associated project appurtenances.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------------------|------------------|-------------------|------|------|------|------|--------------|
| Water Development Enterprise Fund | 8,289,798 | 17,103,531 | - | - | - | - | - |
| Total Expenditure | 8,289,798 | 17,103,531 | - | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|------|------|------|------|------|------|--------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0704 - R-42 5.0 MG RESERVOIR

| | | | |
|--------------------|----------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2020-06-01 | Completion Date | 2025-05-31 |
| Manager | Gregory Radig | Project Status | Active |

Description Design and construction of the 5.0 MG Reservoir 42A of West Henderson Phase 1 2630 PZ Backbone Water System, including a pressure reducing station from 2760 PZ to 2630 PZ.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------|------------------|-------------------|-------------|-------------|-------------|-------------|---------------------|
| Bond Proceeds - Water | 6,594,622 | 13,988,903 | - | - | - | - | - |
| Total Expenditure | 6,594,622 | 13,988,903 | - | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0705 - PZ 2760 36-in WEST TRANSMISSION MAIN

| | | | |
|--------------------|--------------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2026-07-01 | Completion Date | 2030-04-30 |
| Manager | Victoria Underwood | Project Status | Planned |

Description Design and construct approximately 6000 LF 36-inch transmission main to flow 25 MGD from R-43 (GHL 2630).
West Henderson Reliability infrastructure for Zones 2630 and 2760.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------|-------------|-------------|-------------|----------------|----------------|------------------|---------------------|
| Bond Proceeds - Water | - | - | - | 460,308 | 540,956 | 3,039,158 | 1,519,578 |
| Total Expenditure | - | - | - | 460,308 | 540,956 | 3,039,158 | 1,519,578 |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | 26,530 |
| Services and Supplies | - | - | - | - | - | - | 13,265 |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0706 - R-43 4.0 MG RESERVOIR PZ 2760

| | | | |
|--------------------|----------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2026-07-01 | Completion Date | 2030-02-28 |
| Manager | Sharla Gibson | Project Status | Planned |

Description Design and construct a 4.0 MG concrete reservoir at Site #43 in West Henderson.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------------------|-------------|-------------|-------------|----------------|------------------|------------------|---------------------|
| Water Development Enterprise Fund | - | - | - | 648,917 | 948,711 | 5,154,933 | 2,147,889 |
| Water Improvement Bonds | - | - | - | 349,417 | 510,844 | 2,775,733 | 1,156,556 |
| Total Expenditure | - | - | - | 998,334 | 1,459,555 | 7,930,666 | 3,304,445 |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | 47,139 |
| Services and Supplies | - | - | - | - | - | - | 23,569 |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U9424a - SERVICE LINE REPLACEMENT PROGRAM

| | | | |
|--------------------|----------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2020-07-01 | Completion Date | 2030-06-30 |
| Manager | Troy Lomprey | Project Status | Active |

Description Replace water service laterals for select neighborhoods where the lines have reached the end of useful life. The scope of work includes, excavation, removal, installation, backfill for replacement of service lines diameters 3/4" to 2" from the water main to the meter.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------|------------------|------------------|------------------|------------------|------------------|------------------|---------------------|
| Water Fund - Operating | 4,750,000 | 5,000,000 | 7,000,000 | 7,000,000 | 7,000,000 | 7,000,000 | 21,000,000 |
| Total Expenditure | 4,750,000 | 5,000,000 | 7,000,000 | 7,000,000 | 7,000,000 | 7,000,000 | 21,000,000 |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U9429W - UTILITY FACILITY OVERSIZING PROGRAM-WATER

| | | | |
|--------------------|-----------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2023-07-01 | Completion Date | 2032-06-30 |
| Manager | Maylinn Rosales | Project Status | Planned |

Description This program provides a mechanism to compensate developers "today" for the oversizing of their infrastructure to accommodate anticipated capacity needs in the future. The program entails the developer (via their Developer Agreement) constructing utility infrastructure, i.e., mains, to accommodate future growth in the area and for the City to compensate the developer the difference between construction of the infrastructure required by the development and the cost to construct the infrastructure required by the City.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Water Development Enterprise Fund | 500,000 | 500,000 | 500,000 | 500,000 | 500,000 | 500,000 | 1,500,000 |
| Total Expenditure | 500,000 | 500,000 | 500,000 | 500,000 | 500,000 | 500,000 | 1,500,000 |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|------|------|------|------|------|------|--------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

UE004 - Field Backhoe-3rd PDM Crew

| | | | |
|--------------------|----------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2024-07-01 | Completion Date | 2025-06-30 |
| Manager | Troy Lomprey | Project Status | Planned |

Description Backhoe - Additional PDM Water Service Repl Crew.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------|-------------|----------------|-------------|-------------|-------------|-------------|---------------------|
| Water Improvement Bonds | - | 250,000 | - | - | - | - | - |
| Total Expenditure | - | 250,000 | - | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

UE006 - Field Dump Truck-3rd PDM Crew

| | | | |
|--------------------|----------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2025-07-01 | Completion Date | 2026-06-30 |
| Manager | Troy Lomprey | Project Status | Planned |

Description Service Truck - Second PDM crew.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------|-------------|-------------|----------------|-------------|-------------|-------------|---------------------|
| Water Improvement Bonds | - | - | 350,000 | - | - | - | - |
| Total Expenditure | - | - | 350,000 | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

UE026 - Field Service Truck-3rd PDM Crew

| | | | |
|--------------------|----------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2024-07-01 | Completion Date | 2025-06-30 |
| Manager | Troy Lomprey | Project Status | Planned |

Description Service Body Crew Cab with Crane.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------|----------|----------------|----------|----------|----------|----------|--------------|
| Water Improvement Bonds | - | 350,000 | - | - | - | - | - |
| Total Expenditure | - | 350,000 | - | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|------|------|------|------|------|------|--------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

UE027 - Field Excavator Vactor-3rd PDM crew

| | | | |
|--------------------|----------------|------------------------|-------------------------------------|
| Sub Program | Water Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2023-07-01 | Completion Date | 2024-06-30 |
| Manager | Troy Lomprey | Project Status | Planned |

Description Service Body Vehicle for USSE.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------|----------------|------|------|------|------|------|--------------|
| Water Fund - Operating | 575,000 | - | - | - | - | - | - |
| Total Expenditure | 575,000 | - | - | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|------|------|------|------|------|------|--------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0026 - TOWNSITE UTILITY REPLACEMENT PHASE 4

| | | | |
|--------------------|-------------------------------|------------------------|--|
| Sub Program | Wastewater and Water Services | Department | CAP-3600/3700 - Split Water and Wastewater |
| Start Date | 2019-07-01 | Completion Date | 2024-12-31 |
| Manager | Michael Larson | Project Status | Active |

Description This is phase number 4 of a 5-phase project initiated to upgrade the existing sewer and water system in the Townsite area. This phase includes the replacement/relocation of utility mains varying in size as well as relocation of various private laterals. This phase also includes the installation of piping to complete a Townsite pressure zone loop as well as various sidewalk and ADA pedestrian access improvements.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------------|------------------|------------------|-------------|-------------|-------------|-------------|---------------------|
| Wastewater Rehab & Replacement | 2,380,564 | 1,426,905 | - | - | - | - | - |
| Water Rehab & Replacement | 3,627,100 | 2,168,452 | - | - | - | - | - |
| Total Expenditure | 6,007,664 | 3,595,357 | - | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0037 - UTILITY SITE SECURITY IMPROVEMENTS

| | | | |
|--------------------|-------------------------------|------------------------|--|
| Sub Program | Wastewater and Water Services | Department | CAP-3600/3700 - Split Water and Wastewater |
| Start Date | 2021-07-01 | Completion Date | 2025-12-31 |
| Manager | Joyce Mallari | Project Status | Active |

Description Design and construct site security improvements including approximately 8,500 lf perimeter 8-ft block wall with top-mounted wrought iron prods at the Kurt R. Segler Water Reclamation Facility that will match the existing wall to the south of the USSB and surround the existing mechanical plant process and the area designated for future plant expansion. Video surveillance equipment including camera, fiber lines and other associated hardware at WRF, SWRF and WTP.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------------|----------------|----------------|----------------|-------------|-------------|-------------|---------------------|
| Wastewater Improvement Bond | 572,549 | 624,599 | 260,250 | - | - | - | - |
| Total Expenditure | 572,549 | 624,599 | 260,250 | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | 1,641 | 5,541 | 5,708 | 24,595 |
| Services and Supplies | - | - | - | 821 | 2,613 | 2,652 | 11,012 |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0074 - TOWNSITE UTILITY REPLACEMENT PHASE 5

| | | | |
|--------------------|-------------------------------|------------------------|--|
| Sub Program | Wastewater and Water Services | Department | CAP-3600/3700 - Split Water and Wastewater |
| Start Date | 2020-12-01 | Completion Date | 2025-04-30 |
| Manager | Michael Larson | Project Status | Active |

Description The ultimate water system in this phase will consist of the abandonment of 4,816-feet of water ranging from 3-inches to 12-inches in diameter. This phase will also consist of the installation of 4,108-feet of 8-inch water and 706-feet of 12-inch water. This will require 120 lateral connections to be reconnected. The ultimate sewer system will consist of the abandonment of 7,584-feet of sewer ranging from 6-inch to 8-inch in diameter and the installation of 7,749-feet of 8-inch sewer. This will require 44 parcels to relocate lateral connections from the backyard to the front yard and 137 lateral connections to be reconnected. Refer to Figure 10 for the ultimate water system phasing and Figure 11 for the ultimate sewer system phasing.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------------|------------------|------------------|------|------|------|------|--------------|
| Wastewater Rehab & Replacement | 2,509,729 | 5,940,706 | - | - | - | - | - |
| Water Rehab & Replacement | 1,239,162 | 2,928,542 | - | - | - | - | - |
| Total Expenditure | 3,748,891 | 8,869,248 | - | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|------|------|------|------|------|------|--------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0143 - RADIO REPEATER POWER & COMMUNICATION

| | | | |
|--------------------|-------------------------------|------------------------|--|
| Sub Program | Wastewater and Water Services | Department | CAP-3600/3700 - Split Water and Wastewater |
| Start Date | 2018-04-01 | Completion Date | 2023-12-31 |
| Manager | Gregory Radig | Project Status | Active |

Description Design and construction for new service, conduits, pull boxes, cables, backup generator and all associated apparatus to decrease service interruptions.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------------|----------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Wastewater Rehab & Replacement | 219,050 | - | - | - | - | - | - |
| Water Improvement Bonds | 219,116 | - | - | - | - | - | - |
| Total Expenditure | 438,166 | - | - | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0144 - DUS CENTRALIZED WAREHOUSE

| | | | |
|--------------------|-------------------------------|------------------------|--|
| Sub Program | Wastewater and Water Services | Department | CAP-3600/3700 - Split Water and Wastewater |
| Start Date | 2023-12-01 | Completion Date | 2027-11-30 |
| Manager | Victoria Underwood | Project Status | Planned |

Description Design and construct 25,000 sq ft building to accommodate warehouse and office space to centralize and secure the \$6.1 million in Department of Utilities Services operations, maintenance and support inventory.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------------|---------------|----------------|------------------|------------------|----------------|-------------|---------------------|
| Wastewater Improvement Bond | 15,000 | 180,000 | 446,667 | 1,000,000 | 83,333 | - | - |
| Water Improvement Bonds | 35,000 | 420,000 | 1,042,222 | 2,333,333 | 194,444 | - | - |
| Total Expenditure | 50,000 | 600,000 | 1,488,889 | 3,333,333 | 277,777 | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | 2,777 | 80,879 |
| Services and Supplies | - | - | - | - | - | 2,777 | 73,453 |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0160 - LAB EXPANSION

| | | | |
|--------------------|-------------------------------|------------------------|--|
| Sub Program | Wastewater and Water Services | Department | CAP-3600/3700 - Split Water and Wastewater |
| Start Date | 2024-07-01 | Completion Date | 2028-02-29 |
| Manager | Dana LaRance | Project Status | Planned |

Description The project will expand the existing laboratory in Building B at the Water Reclamation Facility (WRF) by 2,400 square feet providing much needed analytical benchtop space and storage. HVAC loads will need to be evaluated for expansion and for existing structure.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------------|------|----------------|----------------|------------------|------------------|------|--------------|
| Wastewater Improvement Bond | - | 93,224 | 130,514 | 1,713,636 | 571,212 | - | - |
| Water Improvement Bonds | - | 93,224 | 130,514 | 1,713,636 | 571,212 | - | - |
| Total Expenditure | - | 186,448 | 261,028 | 3,427,272 | 1,142,424 | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|------|------|------|------|------|----------|--------------|
| Salaries and Benefits | ! | ! | ! | ! | ! | % ž* &' | %&(žS+, |
| Services and Supplies | ! | ! | ! | ! | ! | , ž- %&' |) *ž' (& |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0187 - SCADA RADIO SITES BACKUP ELEC POWER IMPROVEMENTS

| | | | |
|--------------------|-------------------------------|------------------------|--|
| Sub Program | Wastewater and Water Services | Department | CAP-3600/3700 - Split Water and Wastewater |
| Start Date | 2024-10-01 | Completion Date | 2026-06-30 |
| Manager | Suzanne Trabia | Project Status | Planned |

Description The project includes the design, purchase, and install of diesel fueled backup electrical power generators at critical SCADA radio hub Sites: 11, 16, 20 and 37.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------------|----------|----------------|----------------|----------|----------|----------|--------------|
| Wastewater Improvement Bond | - | 55,467 | 155,133 | - | - | - | - |
| Water Improvement Bonds | - | 55,467 | 155,133 | - | - | - | - |
| Total Expenditure | - | 110,934 | 310,266 | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|------|------|------|------|------|------|--------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0196 - LAB REMODEL

| | | | |
|--------------------|-------------------------------|------------------------|--|
| Sub Program | Wastewater and Water Services | Department | CAP-3600/3700 - Split Water and Wastewater |
| Start Date | 2021-07-01 | Completion Date | 2024-12-31 |
| Manager | Michael Larson | Project Status | Active |

Description Repurpose the existing storage room to add bench top testing space, workstations, and a fume hood. The project may included the removal of old storage racks, installation of new cabinets and counters along the exterior walls with the addition of a sink and a drain, removal of the existing pony wall, installation of cabinets and counter space in the middle of the room, the installation of a fume hood, the addition of electrical outlets and/or circuits along with networking capabilities, the current refrigerator and ice machine should be left in this space.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------------|----------------|----------------|-------------|-------------|-------------|-------------|---------------------|
| Wastewater Improvement Bond | 94,921 | 93,922 | - | - | - | - | - |
| Water Improvement Bonds | 94,862 | 93,893 | - | - | - | - | - |
| Total Expenditure | 189,783 | 187,815 | - | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0229 - SUNRIDGE HEIGHTS - SEVEN HILLS TO HORIZON RIDGE

| | | | |
|--------------------|-------------------------------|------------------------|--|
| Sub Program | Wastewater and Water Services | Department | CAP-3600/3700 - Split Water and Wastewater |
| Start Date | 2021-09-01 | Completion Date | 2024-07-31 |
| Manager | Bonnie Croft | Project Status | Active |

Description Rehabilitation/replacement/relocation of water and sewer roadway infrastructure including sewer manholes and Air Vacuum Air Relief (AVAR).

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------------|---------------|--------------|-------------|-------------|-------------|-------------|---------------------|
| Wastewater Rehab & Replacement | 34,102 | 2,842 | - | - | - | - | - |
| Water Rehab & Replacement | 23,261 | 1,939 | - | - | - | - | - |
| Total Expenditure | 57,363 | 4,781 | - | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0246 - CUSTOMER INFORMATION SYSTEM (CIS) REPLACEMENT

| | | | |
|--------------------|-------------------------------|------------------------|--|
| Sub Program | Wastewater and Water Services | Department | CAP-3600/3700 - Split Water and Wastewater |
| Start Date | 2025-07-01 | Completion Date | 2030-10-31 |
| Manager | Jennifer Rosenbusch | Project Status | Planned |

Description Procure technology solutions to modernize our CIS solution(s).

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------|-------------|-------------|----------------|----------------|------------------|------------------|---------------------|
| Wastewater - Operating | - | - | 169,750 | 169,750 | 902,223 | 3,608,889 | 3,608,888 |
| Water Fund - Operating | - | - | 315,250 | 315,250 | 1,353,333 | 5,413,333 | 5,413,334 |
| Total Expenditure | - | - | 485,000 | 485,000 | 2,255,556 | 9,022,222 | 9,022,222 |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0248 - UTILITY INFRASTRUCTURE ROADWAY IMPROVEMENTS

| | | | |
|--------------------|-------------------------------|------------------------|--|
| Sub Program | Wastewater and Water Services | Department | CAP-3600/3700 - Split Water and Wastewater |
| Start Date | 2022-07-01 | Completion Date | 2028-06-30 |
| Manager | Michelle Martinez | Project Status | Active |

Description Water and Sewer utility infrastructure replacement, repairs, and/or improvements coordinated with and incorporated into Public Works roadway improvement projects that have either reached the end of their useful life, require replacement to bring the asset to code, or other necessary improvements that could otherwise violate the 5-year no-cut policy if postponed. Includes water/sewer mains and manholes, water service lines, meters, vaults, AVARs, gate valves, hydrants, irrigation valves/boxes, and other associated appurtenances.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------------|----------------|----------------|----------------|----------------|----------------|-------------|---------------------|
| Wastewater Rehab & Replacement | 255,000 | 255,000 | 255,000 | 255,000 | 255,000 | - | - |
| Total Expenditure | 255,000 | 255,000 | 255,000 | 255,000 | 255,000 | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0248a - UTILITY INFRASTRUCTURE ROADWAY IMPROVEMENTS

| | | | |
|--------------------|-------------------------------|------------------------|--|
| Sub Program | Wastewater and Water Services | Department | CAP-3600/3700 - Split Water and Wastewater |
| Start Date | 2022-07-01 | Completion Date | 2032-06-30 |
| Manager | Michelle Martinez | Project Status | Active |

Description Water and Sewer utility infrastructure replacement, repairs, and/or improvements coordinated with and incorporated into Public Works roadway improvement projects that have either reached the end of their useful life, require replacement to bring the asset to code, or other necessary improvements that could otherwise violate the 5-year no-cut policy if postponed. Includes water/sewer mains and manholes, water service lines, meters, vaults, AVARs, gate valves, hydrants, irrigation valves/boxes, and other associated appurtenances.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------------|
| Wastewater Rehab & Replacement | 255,000 | 255,000 | 255,000 | 255,000 | 255,000 | 255,000 | 765,000 |
| Water Rehab & Replacement | 595,000 | 595,000 | 595,000 | 595,000 | 595,000 | 595,000 | 1,785,000 |
| Total Expenditure | 850,000 | 850,000 | 850,000 | 850,000 | 850,000 | 850,000 | 2,550,000 |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0250 - PECOS ROAD: I-215 TO WINDMILL AVAR UPGRADE

| | | | |
|--------------------|-------------------------------|------------------------|--|
| Sub Program | Wastewater and Water Services | Department | CAP-3600/3700 - Split Water and Wastewater |
| Start Date | 2020-06-01 | Completion Date | 2023-09-30 |
| Manager | Bonnie Croft | Project Status | Active |

Description Upgrade AVAR (Air Vacuum Air Release) assemblies at approximately 27 locations throughout the City.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------------|----------------|------|------|------|------|------|--------------|
| Wastewater Rehab & Replacement | 3,582 | - | - | - | - | - | - |
| Water Rehab & Replacement | 121,270 | - | - | - | - | - | - |
| Total Expenditure | 124,852 | - | - | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|------|------|------|------|------|------|--------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0258 - MEDECO ACCESS CONTROL

| | | | |
|--------------------|-------------------------------|------------------------|--|
| Sub Program | Wastewater and Water Services | Department | CAP-3600/3700 - Split Water and Wastewater |
| Start Date | 2023-01-01 | Completion Date | 2023-11-30 |
| Manager | Joyce Mallari | Project Status | Active |

Description The project includes removing and replacing all existing tumblers in facilities, site entry pad locks with MEDECO intelligent electronic key access control system. To support alignment with ANSI/ASCE/EWRI 57-10 security standards assisting with continuing to grow the Utility Security Strategic plan.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------------|---------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Wastewater Improvement Bond | 22,575 | - | - | - | - | - | - |
| Water Improvement Bonds | 22,575 | - | - | - | - | - | - |
| Total Expenditure | 45,150 | - | - | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0262 - BM RECLAIMED WATER SUPPLY TO CADENCE CENTRAL PARK

| | | | |
|--------------------|-------------------------------|------------------------|--|
| Sub Program | Wastewater and Water Services | Department | CAP-3600/3700 - Split Water and Wastewater |
| Start Date | 2023-07-01 | Completion Date | 2025-06-30 |
| Manager | Brian Carlson | Project Status | Planned |

Description Modify the Black Mountain Reclaimed Water System for the capability to supply the Cadence Central Park with 0.3 MGD max day (60 MG per year) of reclaimed water. The proposed method is the interconnection of the Green Valley Reclaimed Water System to Black Mountain at the GV/BM PS to use the volume and elevation head from RR-16 to supply Cadence. This project includes at least: engineering and design of interconnection piping; integration of radio communications to a new Cadence ROFC (ROFC and site comms are by Cadence); design and testing of system control changes; consideration if a new surge analysis is required and perform, if necessary; update plan drawings for systems (piping/civil/controls); develop documentation for system operations (O&Ms).

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--|----------------|----------------|------|------|------|------|--------------|
| Wastewater Development Enterprise Fund | 161,412 | 264,491 | - | - | - | - | - |
| Total Expenditure | 161,412 | 264,491 | - | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|------|------|------|------|------|------|--------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0264 - LAB OFFICE AREA AND CONFERENCE ROOM REMODEL

| | | | |
|--------------------|-------------------------------|------------------------|--|
| Sub Program | Wastewater and Water Services | Department | CAP-3600/3700 - Split Water and Wastewater |
| Start Date | 2023-07-01 | Completion Date | 2024-09-30 |
| Manager | Dana LaRance | Project Status | Planned |

Description Remodel the office area at the Water Quality Laboratory to add two private offices for Laboratory Supervisors and repurpose filing area as staff cubicle area and potential training room. Remove bulky shelving and furniture in the conference room and replace with more compact furniture to make better use of the space. Specific project details are described in the Leo A Daly report (phase 3 and 5) and may also be included in the overall City space needs assessment.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------------|----------------|----------------|-------------|-------------|-------------|-------------|---------------------|
| Wastewater Rehab & Replacement | 241,650 | 196,350 | - | - | - | - | - |
| Water Rehab & Replacement | 241,650 | 196,350 | - | - | - | - | - |
| Total Expenditure | 483,300 | 392,700 | - | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U0272 - DUS SCADA NETWORK SWITCHES RENEWAL

| | | | |
|--------------------|-------------------------------|------------------------|--|
| Sub Program | Wastewater and Water Services | Department | CAP-3600/3700 - Split Water and Wastewater |
| Start Date | 2024-06-01 | Completion Date | 2026-06-30 |
| Manager | Clifford Clark | Project Status | Planned |

Description The purchase and installation of new Department of Utilities Services (DUS) SCADA network switches as renewal for obsolete CISCO model Catalyst 6500 units. This includes 2 switches to be installed as renewal units in exiting network operation and one unit as a spare. This project is for the purchase only of the new switches with DUS SCADA personnel installing. Only supplemental professional services needed will be switch programming.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|---------------------------|---------------|----------------|---------------|-------------|-------------|-------------|---------------------|
| Water Rehab & Replacement | 80,500 | 425,250 | 47,250 | - | - | - | - |
| Total Expenditure | 80,500 | 425,250 | 47,250 | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U9056a - ON-CALL CONSTRUCTION

| | | | |
|--------------------|-------------------------------|------------------------|--|
| Sub Program | Wastewater and Water Services | Department | CAP-3600/3700 - Split Water and Wastewater |
| Start Date | 2020-07-01 | Completion Date | 2031-06-30 |
| Manager | Trevor Ross | Project Status | Active |

Description Task Order based on-call construction on an as-needed basis.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------------|
| Wastewater Rehab & Replacement | 273,125 | 273,125 | 273,125 | 273,125 | 273,125 | 273,125 | 546,250 |
| Water Rehab & Replacement | 273,125 | 273,125 | 273,125 | 273,125 | 273,125 | 273,125 | 546,250 |
| Total Expenditure | 546,250 | 546,250 | 546,250 | 546,250 | 546,250 | 546,250 | 1,092,500 |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U9106 - ON-CALL PAVEMENT PATCHING

| | | | |
|--------------------|-------------------------------|------------------------|--|
| Sub Program | Wastewater and Water Services | Department | CAP-3600/3700 - Split Water and Wastewater |
| Start Date | 2019-12-01 | Completion Date | 2024-02-29 |
| Manager | Michelle Martinez | Project Status | Active |

Description Pavement patching related to utility service repairs performed on an as-needed basis.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------|------------------|------|------|------|------|------|--------------|
| Wastewater - Operating | 81,268 | - | - | - | - | - | - |
| Water Fund - Operating | 1,568,884 | - | - | - | - | - | - |
| Total Expenditure | 1,650,152 | - | - | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|------|------|------|------|------|------|--------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U9427 - PAVEMENT PATCHING PROGRAM

| | | | |
|--------------------|-------------------------------|------------------------|--|
| Sub Program | Wastewater and Water Services | Department | CAP-3600/3700 - Split Water and Wastewater |
| Start Date | 2023-07-01 | Completion Date | 2032-06-30 |
| Manager | Michelle Martinez | Project Status | Planned |

Description Surface repairs associated with replacement of water service laterals, water and sewer main repairs, or other excavations due to corrective work on the distribution or collection system. The scope of surface restoration includes AC pavement, concrete, base materials, lane markings, valve and manhole collars.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Wastewater Rehab & Replacement | 153,400 | 153,400 | 153,400 | 153,400 | 153,400 | 153,400 | 460,200 |
| Water Rehab & Replacement | 1,380,600 | 1,380,600 | 1,380,600 | 1,380,600 | 1,380,600 | 1,380,600 | 4,141,800 |
| Total Expenditure | 1,534,000 | 1,534,000 | 1,534,000 | 1,534,000 | 1,534,000 | 1,534,000 | 4,602,000 |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|------|------|------|------|------|------|--------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U9429S - UTILITY FACILITY OVERSIZING PROGRAM-SEWER

| | | | |
|--------------------|-------------------------------|------------------------|--|
| Sub Program | Wastewater and Water Services | Department | CAP-3700 - Wastewater - Utility Services |
| Start Date | 2023-07-01 | Completion Date | 2032-06-30 |
| Manager | Maylinn Rosales | Project Status | Planned |

Description This program provides a mechanism to compensate developers today for the oversizing of their infrastructure to accommodate anticipated capacity needs in the future. The program entails the developer (via their Developer Agreement) constructing utility infrastructure, i.e., mains, to accommodate future growth in the area and for the City to compensate the developer the difference between construction of the infrastructure required by the development and the cost to construct the infrastructure required by the City.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Wastewater Development Enterprise Fund | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 400,000 |
| Total Expenditure | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 400,000 |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|------|------|------|------|------|------|--------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U9513a - SCADA COMPONENT REPLACEMENT PROGRAM

| | | | |
|--------------------|-------------------------------|------------------------|--|
| Sub Program | Wastewater and Water Services | Department | CAP-3600/3700 - Split Water and Wastewater |
| Start Date | 2023-07-01 | Completion Date | 2033-06-30 |
| Manager | Clifford Clark | Project Status | Planned |

Description Annual replacement of SCADA servers and Cisco network switches.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------------|
| Wastewater - Operating | 60,000 | 60,000 | 60,000 | 60,000 | 60,000 | 60,000 | 180,000 |
| Water Fund - Operating | 90,000 | 90,000 | 90,000 | 90,000 | 90,000 | 90,000 | 270,000 |
| Total Expenditure | 150,000 | 150,000 | 150,000 | 150,000 | 150,000 | 150,000 | 450,000 |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U9599a - HVAC REPLACEMENT PROGRAM

| | | | |
|--------------------|-------------------------------|------------------------|--|
| Sub Program | Wastewater and Water Services | Department | CAP-3600/3700 - Split Water and Wastewater |
| Start Date | 2023-07-01 | Completion Date | 2033-06-30 |
| Manager | Clifford Clark | Project Status | Planned |

Description Annual Capital Improvement Plan (CIP) program to replace HVAC equipment that has passed its serviceable life, and is in need of in-kind replacement. These funds will purchase equipment and supplies needed for installation. Labor will be performed in-house by Electrical Services.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Wastewater Rehab & Replacement | 125,000 | 125,000 | 125,000 | 125,000 | 125,000 | 125,000 | 500,000 |
| Water Rehab & Replacement | 125,000 | 125,000 | 125,000 | 125,000 | 125,000 | 125,000 | 500,000 |
| Total Expenditure | 250,000 | 250,000 | 250,000 | 250,000 | 250,000 | 250,000 | 1,000,000 |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|------|------|------|------|------|------|--------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U9054 - WASTEWATER COLLECTION MASTER PLAN UPDATE

| | | | |
|--------------------|--------------------------|------------------------|--|
| Sub Program | Utility Program Services | Department | CAP-3700 - Wastewater - Utility Services |
| Start Date | 2022-01-01 | Completion Date | 2024-04-30 |
| Manager | Sharla Gibson | Project Status | Active |

Description City-wide Wastewater Master Plan Update. It will comprehensively assess the capacity of the existing wastewater collection system and determine the necessary infrastructure improvements to meet future growth.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------|----------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Wastewater - Operating | 565,217 | - | - | - | - | - | - |
| Total Expenditure | 565,217 | - | - | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U9421 - RESERVOIR REHAB & SURGE TANK ASSESSMENT PROGRAM

| | | | |
|--------------------|--------------------------|------------------------|-------------------------------------|
| Sub Program | Utility Program Services | Department | CAP-3600 - Water - Utility Services |
| Start Date | 2022-07-01 | Completion Date | 2026-06-30 |
| Manager | Erwin Secundo | Project Status | Active |

Description Reservoir Rehabilitation Program provides engineering services that will include out-of-service structural and coating inspections, condition assessments, construction documents for rehabilitation and improvements, and structural evaluations of steel or concrete potable and non-potable reservoirs.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|---------------------------|----------------|----------------|----------------|-------------|-------------|-------------|---------------------|
| Water Rehab & Replacement | 578,298 | 578,298 | 433,723 | - | - | - | - |
| Total Expenditure | 578,298 | 578,298 | 433,723 | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |



City of Henderson 2024-2029 Capital Improvement Plan Project Summary

U9598a - INDUSTRIAL COATING & PAINTING

| | | | |
|--------------------|--------------------------|------------------------|--|
| Sub Program | Utility Program Services | Department | CAP-3600/3700 - Split Water and Wastewater |
| Start Date | 2022-07-01 | Completion Date | 2024-06-30 |
| Manager | Adrian Edwards | Project Status | Active |

Description This Annual Industrial Coating and Painting Contract would cover the needs of DUS for specialty industrial coatings and painting. The contract would include the surface preparation, abrasive blasting, pressure washing, spot preparation, solvent cleaning, priming, intermediate coat application and finish coat application in accordance with DUS specifications.

Project Forecast

| Funding Source | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|--------------------------|----------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Wastewater - Operating | 250,000 | - | - | - | - | - | - |
| Water Fund - Operating | 250,000 | - | - | - | - | - | - |
| Total Expenditure | 500,000 | - | - | - | - | - | - |

Operating Impact

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | Future Years |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Salaries and Benefits | - | - | - | - | - | - | - |
| Services and Supplies | - | - | - | - | - | - | - |