2025 IMPACT FEE FACILITIES PLAN (IFFP)

prepared for SNYDERVILLE BASIN WATER RECLAMATION DISTRICT

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INTRODUCTION

This report documents research and analysis to quantify the Snyderville Basin Water Reclamation District (SBWRD) wastewater impact fee.[1] SBWRD is a Summit County Utah wastewater service provider and assesses an impact fee for wastewater collection and treatment facilities. SBWRD has collected impact fees since 1995. This report is an update of the 2022 Impact Fee Facilities Plan.

The Utah Impact Fees Act specifies two reports that make up an impact fee analysis. An Impact Fee Facilities Plan ("IFFP") which quantifies the cost of capital facilities needed to meet demand from new development, and an Impact Fee Written Analysis ("IFWA") which quantifies the amount of the impact fee and explains fee calculation methodology. This is the IFFP. The IFWA is a separate report.

An impact fee represents the cost of system capital facilities needed to meet demand from one unit of new development. This report documents research and analysis used to quantify unit cost, in a way, such that cost is proportionate to capacity demand. Impact fees include only the cost of capacity needed to meet demand from new development. Impact fees do not include non-capital costs such as operations expense or personnel cost. They do not include costs attributable to existing development such as deficiency correction or service provision upgrade. Impact fees are not assessed for facilities dedicated to one specific development (*project improvements*, as defined by the Impact Fees Act). Impact fees are assessed only for facilities that are part of the wastewater system as a whole.

This report is guided by the requirements of the Utah Impact Fees Act.[2] It is organized in such a way as to make the reasoning and analytical conclusions as intuitive as possible. One of the goals of an impact fee analysis is transparency—meaning that all the information needed to understand a particular calculation or analytical conclusion is available in the report. The requirements of the Act are highlighted in two ways—endnotes that cite the relevant paragraph of the Act, and a section at the end of the report that addresses statutory requirements in outline form.

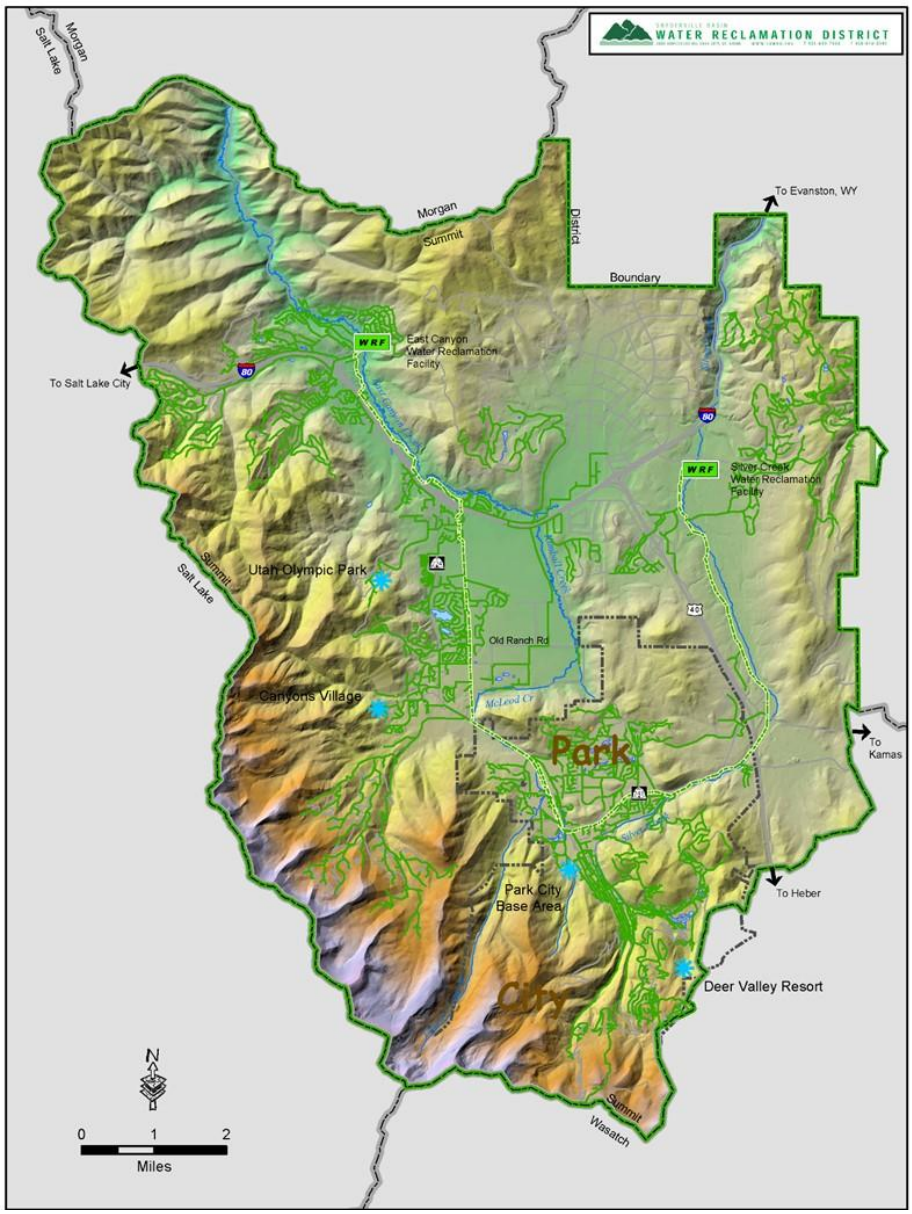
Demand from new development is referred to frequently in this report. This is a reference to capital facility capacity needed to meet demand from new development. In this analysis, demand from new development will be met by available capacity at existing facilities—capacity built in the past to meet demand from future new development—and by the expansion of the East Canyon Wastewater Reclamation Facility (ECWRF)—one of the district's two water reclamation facilities. Every capital facility has a design capacity—a specific number of units that can be served—and an impact fee represents a proportionate allocation of the cost of that capacity based on benefit received. Proportionate allocation means that the unit cost of capacity varies by property category and size according to relative system capacity demand. Proportionality is a key characteristic of an equitable impact fee.

Impact fees serve three purposes: 1) to fund capacity needed to meet demand from new development; 2) to maintain the level of service now provided (and paid for by) existing development; and 3) to enable growth to occur by making capacity available to new development, when and where it is needed. The 2025 SBWRD impact fee continues a cost-sharing system that has been in place since 1995—by means of impact fees each generation of new entrants pays for the capacity it requires, in the same way that existing development paid for its capacity.

IMPACT FEE SERVICE AREA

Following is a schematic of the impact fee service area. This is the area that will be served by the capital improvements that are the subject of this report and is the area within which SBWRD Impact fees will be assessed.

Figure 1—Service Area Map



Source—SBWRD staff, November 2024. This illustration is a schematic. The specific boundaries of the service area can be obtained from the district.

The district has chosen to implement a single impact fee service area because the wastewater system functions as a single integrated unit to provide an adequate level of service and redundancy, districtwide. Also, because all areas of the district are provided the same level of service (LOS), a single service area means that cost per RE (and the amount of the impact fee per RE) is the same, districtwide.[3]

COST OF CAPITAL FACILITIES FOR NEW DEVELOPMENT

Demand from new development will be met in two ways – by means of available existing capacity (capacity built in the past to meet demand from future new development) and by a planned 2027 capacity expansion project at the East Canyon Water Reclamation Facility (ECWRF). This impact fee is the combined unit cost (cost per residential equivalent demand unit, or RE[4]) of that capacity.

The total, attributable cost of capital facility capacity for new development is summarized below. Unit cost is calculated in the IFWA.

Table 1—Cost of Capital Facilities for New Development

COST OF CAPITAL FACILITIES FOR NEW DEVELOPMENT 2025 SBWRD Impact Fee Analysis	
Cost of Capital Facilities for New Development	
Planned Capital Facilities (IFFP)	$147,645,806
Cost of Available Existing Capacity (remaining 2015 Bond Debt Service)	$15,050,925
Interest and Cost of Issuance for Planned Future Debt	$192,357,926
Less - Impact Fee Account Beginning Balance	($11,564,181)
Less - Impact Fee Account Earned Interest	($9,587,422)
Impact Fee Account Ending Balance	$839
Net Cost of Capacity	$333,903,894

Source—*Planned Capital Facilities (IFFP)* is from the SBWRD CIP (Table 6). The *Cost of Available Existing Capacity* is remaining debt service for a 2015 bond used to fund the capacity expansion component of the 2015 SCWRF capital project. *Interest and Cost of Issuance*, *Impact Fee Account Beginning Balance* and *Impact Fee Account Earned Interest* are from the IFWA.

Planned Capital Facilities is the cost of added system capacity needed to meet demand from new development – the cost of the upcoming 2027 expansion of the East Canyon Water Reclamation Facility. This includes plant capacity and other related system improvements. The expansion is sized to meet demand from new development through 2074.[5] The cost of projects and parts of projects needed for new development is detailed in the CIP (Table 6).

The *Cost of Available Existing Capacity* is the cost of remaining debt service on a 2015 Bond used to fund the capacity expansion component of the 2015 Silver Creek Water Reclamation Facility (SCWRF) capital project. The SCWRF expansion is sized to meet demand from new development through 2074. The bond was used to fund only the added capacity, new development component of the project.

The Impact Fees Act requires that an impact fee be calculated based on "…realistic estimates"[6] of the cost of planned improvements. Projects and cost for the SBWRD IFFP derive from a structured and ongoing process of demand and capacity planning—a process undertaken by SBWRD staff together with SBWRD engineering consultants.

The Impact Fees Act describes the type of facilities, and costs, that can be included in a wastewater impact fee.[7] Eligible facilities include system improvements[8] for treatment and collection, that have a lifespan greater than 10 years. Eligible costs include land, construction, planning and engineering fees, and debt service. The *Net Cost of Capacity* in Table 1 is limited to these costs and excludes all other spending not specifically attributable to capacity expansion for new development—costs such as capital facilities

maintenance and system renewal, deficiency correction and service provision upgrade for existing development are excluded.

2025 Capacity Expansion Plan

The capacity expansion plan is summarized below. Current system capacity is 9.0 MGD. New capacity at ECWRF will add 2.5 MGD.

The district uses two measures for capacity planning-- *nominal* and *peak day* capacity. Peak day capacity is derived from nominal capacity and is calculated based on a peaking factor (1.25), and the district's level-of-service standard (320 gpd per RE). The calculation is described in the source notes to Table 3. Each of the capacity measures fill a specific role in system design and management, but both yield the same relative per unit capacity demand, and so, the same unit cost of service and the same impact fee. This analysis is based on peak day capacity demand because wastewater systems are sized and designed to meet peak demand.

Table 2—System Capacity

SYSTEM CAPACITY

2025 SBWRD Impact Fee Analysis

	Existing Capacity		Planned New Capacity	Total	Peak Day MGD
	East Canyon WRF	Silver Creek WRF	ECWRF		
	(MGD, nominal)				
Existing Capacity (year-end 2024)	5.00	4.00		9.00	11.3
Planned New Capacity			2.50	2.50	3.1
Total				11.50	14.4
Planned On-line Year			Q4 2030		

Source—SBWRD staff.

Table 3 shows the plan for utilization of existing capacity. ECWRF capacity is expected to be fully utilized by 2030. SCWRF capacity is expected to be utilized by 2059.

Table 3—Plan for Utilization of Existing Capacity

PLAN FOR UTILIZATION OF EXISTING CAPACITY

2025 SBWRD Impact Fee Analysis

	Utilization of Existing System (RE, peak day)	
	ECWRF	SCWRF
Current Demand (RE, peak day)	18,279	10,148
Current Capacity (MGD)	5.00	4.00
Peaking Factor	1.25	1.25
Peak Day Capacity (MGD)	6.25	5.00
LOS (peak day demand per RE)	320	320
Peak Day Capacity (RE)	19,531	15,625
Remaining Current Capacity ((RE)	1,253	5,477
2024	212	117
2025	193	146
2026	192	147
2027	191	147
2028	190	147
2029	189	148
2030	86	148
2031		149
2032		149
2033		149
2034		150
2035		150
2036		151
2037		151
2038		152
2039		152
2040		152
2041		153
2042		153
2043		154
2044		154
2045		154
2046		155
2047		155
2048		156
2049 to 2074		1,737
Total	1,253	5,477

Source—Current and projected future demand are from the district's growth projection (summarized in Table 17). *Current Capacity (MGD)* is from Table 2. *Peak Day Capacity (MGD)* is calculated as *Capacity (MGD)* × *Peaking Factor*. *Peaking Factor* is discussed on page 22. *Peak Day Capacity (RE)* is calculated as *Peak Day Capacity (MGD)* × 1,000,000 ÷ LOS. The LOS is 320[9] gpd per RE. *Remaining Capacity (RE)* is the difference between peak day capacity and current usage.

Table 4 shows the new development demand plan—the plan for utilization of available capacity at ECWRF and SCWRF, and the upcoming new capacity at ECWRF. The modeling assumes ECWRF capacity expansion will be on-line in 2030.

Table 4—New Development Demand Plan

NEW DEVELOPMENT DEMAND PLAN

2025 SBWRD Impact Fee Analysis

	ECWRF		SCWRF	Annual New Demand	System Total Demand
	Existing Capacity	New Capacity	Existing Capacity		
	Capacity Utilization (RE, peak day)				
Planned New Capacity (MGD)		2.50			
Peaking Factor		1.25			
Peak Day Capacity (MGD)		3.125			
LOS (peak day demand per RE)		320			
Peak Day Capacity (RE)		9,766			
2024					28,756
2025	193	0	146	339	29,095
2026	192	0	147	339	29,433
2027	191	0	147	338	29,772
2028	190	0	147	338	30,109
2029	189	0	148	337	30,446
2030	86	103	148	337	30,783
2031		188	149	336	31,120
2032		187	149	336	31,456
2033		186	149	336	31,792
2034		185	150	335	32,127
2035		185	150	335	32,462
2036		184	151	334	32,796
2037		183	151	334	33,130
2038		182	152	334	33,464
2039		181	152	333	33,797
2040		180	152	333	34,130
2041		180	153	332	34,462
2042		179	153	332	34,794
2043		178	154	332	35,126
2044		177	154	331	35,457
2045		176	154	331	35,788
2046		176	155	330	36,119
2047		175	155	330	36,449
2048		174	156	330	36,778
2049 to 2074		6,406	1,737	8,144	44,922
Total	1,041	9,766	5,359	16,166	
Existing Capacity	1,041		5,359	6,400	
New Capacity		9,766		9,766	

Source—*System Total Demand* is from the district's growth projection (summarized in Table 17). *Existing Capacity* is from Table 3 (2025 to 2030). ECWRF *Planned New Capacity (MGD)* is from Table 2. Peak day new capacity is calculated as planned new capacity × Peaking Factor. The peaking Factor is discussed on page 22. *Peak Day Capacity (RE)* is calculated as Peak Day Capacity (MGD) × 1,000,000 ÷ LOS. *LOS* is the per RE level of service provided to new and existing development. The LOS is 320[9] gpd per RE.

Demand from new development is 16,166 REs. 6,400 REs will use existing capacity at ECWRF and SCWRF. 9,766 REs will use new capacity at ECWRF.

Revenue Analysis and IFFP Funding Plan

The Impact Fees Act requires preparation of a revenue analysis and funding plan to demonstrate that impact fees are necessary.[10] The funding plan is detailed in the IFWA. The following, Table 5, is a summary of the plan.

Table 5—New Develoment Capital Facilities Funding Plan

NEW DEVELOPMENT CAPITAL FACILITIES FUNDING PLAN
2025 SBWRD Impact Fee Analysis

Cost of Capital Facilities for New Development		
Planned Capital Facilities (IFFP)	$147,645,806	
Cost of Available Existing Capacity (remaining 2015 Bond Debt Service)	$15,050,925	
Interest and Cost of Issuance for Planned Future Debt	$192,357,926	
Total Cost		$355,054,658
Revenue Available to Fund Capacity for New Development		
Impact Fee Account Beginning Balance	$11,564,181	
Impact Fee Account Earned Interest	$9,587,422	
Impact Fees	$333,903,894	
Impact Fee Account Ending Balance	($839)	
Total Revenue		
		$355,054,658
Net Revenue		$0

Source—IFWA Table 9, and this report Table 6 and Table 7.

Revenue and expenses in Table 5 are from the district's January 2025 financial plan. The plan projects annual financial results from operations and capital spending based on expected growth, all anticipated revenue and expenses, debt and debit service.[11]

No grants or other external funding for capacity expansion for new development are anticipated or budgeted. Small grants may be received, as has been the case in the past. These have been, and are expected to be, reimbursement for project-specific costs (not system improvements.) Sewer inspection and design fees are another small reimbursement revenue source, also project-specific. The district's primary revenue source, user fees and interest earned on the user fee account balance, is dedicated to operations, maintenance, and system renewal. User fees are set at rates sufficient to support the cost of service, but not to generate revenue to fund facilities for new development. Impact fees are therefore necessary.

TECHNICAL REFERENCE

Capital Improvement Plan (CIP)

The SBWRD CIP describes all planned capital spending—current year and projected. The CIP is summarized below and detailed by project, beginning with Table 9. The CIP is prepared by SBWRD staff and approved by the Board of Trustees as part of the annual budget process.

Table 6—Capital Improvement Plan Summary

CAPITAL IMPROVEMENT PLAN SUMMARY
SBWRD CIP 2025 to 2074 (constant $s)

	Total Planned Capital Spending (CIP)	Capacity Expansion Projects for New Development (IFFP)	Non-IFFP Projects
Treatment Facilities	$147,951,337	$126,211,700	$21,739,637
Collection Facilities	$130,622,355	$15,953,944	$114,668,411
Engineering	$4,349,927	$101,816	$4,248,111
Administration Facilities	$56,570	$19,160	$37,410
Capital Facilities Planning and Engineering	$5,359,186	$5,359,186	$0
System Renewal	$58,565,332	$0	$58,565,332
Total	$346,904,707	$147,645,806	$199,258,901

Source—Table 9 to Table 16.

In Table 6, C*apacity Expansion Projects for New Development (IFFP)* is the share of total capital spending that is attributable to capacity expansion for new development.

Capital Facilities Planning and Engineering is the cost of planning and engineering for projects for new development (IFFP projects). Planning and engineering for IFFP projects is an allowed impact fee expense.[12]

System Renewal is the cost of the district's asset management program, which serves to preserve the functional life and level of service of the existing infrastructure. System renewal is not paid for with impact fees.

The district has no service provision deficiency[13] so the CIP has no spending attributable to deficiency correction. Likewise, because new and existing development are provided the same level of service, the CIP has no spending attributable to service provision upgrade for existing development.

The CIP is calculated in constant dollar terms. For the ECWRF project, cost at the time of construction (2027 to 2030) is calculated by the project engineer, *Carollo Engineers*. The cost of other capital spending is calculated by SBWRD staff in collaboration with Carollo, and assumes future cost inflation of four percent per year (cost inflation as prescribed by Carollo Engineers).

Table 7 shows projected capital spending by year. Pre-construction work has begun, and construction is planned to occur from 2027 to 2030.

Table 7—Annual Capital Spending

ANNUAL CAPITAL SPENDING
SBWRD IFFP 2025 to 2074 (constant $s)

Year	Total Planned Capital Spending (CIP)	Capacity Expansion Projects for New Development (IFFP)	Other Non-IFFP Projects
2025	$11,626,482	$5,562,588	$6,063,894
2026	$4,285,525	$990,609	$3,294,916
2027	$34,103,822	$30,522,536	$3,581,286
2028	$39,256,111	$36,037,195	$3,218,916
2029	$33,017,725	$29,990,241	$3,027,484
2030	$31,418,259	$25,350,725	$6,067,534
2031 to 2074	$193,196,784	$19,191,912	$174,004,871
Total	$346,904,707	$147,645,806	$199,258,901

Source—SBWRD Capital Improvement Plan beginning Table 9.

Annual spending for *Capital Facilities Planning and Engineering* for IFFP projects is projected as follows:

Table 8—Impact Fee Facilities Planning & Engineering

IMPACT FEE FACILITIES PLANNING & ENGINEERING
SBWRD IFFP 2025 to 2074 (constant $s)

Year	Planning and Engineering for IFFP Projects
2025	$35,096
2026	$36,500
2027	$37,960
2028	$39,478
2029	$41,057
2030	$42,699
2031 to 2074	$5,126,397
Total	$5,359,186

Source— SBWRD Capital Improvement Plan and the January 2025 SBWRD financial plan. *Planning and Engineering* is included in *Capacity Expansion* cost, as shown in Table 7 above.

Table 9 to Table 16 show the 2025 to 2074 SBWRD CIP and IFFP. The cost of capital facilities planning and engineering, not included below, is shown in the foregoing Table 8.

Table 9—SBWRD Capital Improvement Plan

SBWRD CAPITAL IMPROVEMENT PLAN 2023 to 2032 **2027 Construction Start - Model is Solved**

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Project Description		BUILD Year	COST ESTIMATE Year	CIP (constant $s)			IFFP (constant $s)			Non-IFFP (constant $s)		
				New Const. Projects	Other Capital Projects	Total	New Const. Projects	Other Capital Projects	Total	New Const. Projects	Other Capital Projects	Total
ECWRF Related	Compacter Screws	2025	2025	$0	$20,000	$20,000	$0	$0	$0	$0	$20,000	$20,000
Facility Expansion - ECWRF Related	Phase A, Construction, Conventional 7.5 mg	**2025**	**2025**	$3,775,700	$0	$3,775,700	$3,700,186	$0	$3,700,186	$75,514	$0	$75,514
ECWRF Related	Prepurchase Rotary Solids Presses (2) Incl	2025	2025	$3,425,700	$0	$3,425,700	$616,626	$0	$616,626	$2,809,074	$0	$2,809,074
SCWRF Related	Replace Snow Mower/Blower	2025	2025	$0	$40,000	$40,000	$0	$0	$0	$0	$40,000	$40,000
ECWRF Related	Replace Vehicle V-60	2025	2025	$0	$70,000	$70,000	$0	$0	$0	$0	$70,000	$70,000
SCWRF Related	Replace Vehicle V-61	2025	2025	$0	$70,000	$70,000	$0	$0	$0	$0	$70,000	$70,000
ECWRF Related	Water Quality Studies	2025	2025	$0	$150,000	$150,000	$0	$147,000	$147,000	$0	$3,000	$3,000
ECWRF Related	Wylo Mixers (2)	2025	2025	$0	$50,000	$50,000	$0	$0	$0	$0	$50,000	$50,000
Collection System Related - replacement	4th Street	2025	2025	$0	$140,000	$140,000	$0	$0	$0	$0	$140,000	$140,000
Collection System Related - replacement	Air Relief Valves (28)	2025	2025	$0	$60,000	$60,000	$0	$9,000	$9,000	$0	$51,000	$51,000
Collection System Related - replacement	American Flag, Access Roads	2025	2025	$0	$750,000	$750,000	$0	$112,500	$112,500	$0	$637,500	$637,500
Collection System - computer related	Computer Upgrade	2025	2025	$0	$10,000	$10,000	$0	$0	$0	$0	$10,000	$10,000
Collection System Related - replacement	East Canyon Lining Project	2025	2025	$0	$7,000	$7,000	$0	$2,380	$2,380	$0	$4,620	$4,620
Collection System Related - replacement	Matterhorn Terrace	2025	2025	$0	$640,000	$640,000	$0	$320,000	$320,000	$0	$320,000	$320,000
Collection System Related - replacement	Push Camera	2025	2025	$0	$10,000	$10,000	$0	$0	$0	$0	$10,000	$10,000
Vehicles and Equipment	Replace Off Road Jetter	2025	2025	$0	$95,000	$95,000	$0	$0	$0	$0	$95,000	$95,000
Vehicles and Equipment	Replace Polaris Utility Vehicle With Trailer	2025	2025	$0	$35,000	$35,000	$0	$0	$0	$0	$35,000	$35,000
Collection System Related - replacement	Silver Creek Lining Project	2025	2025	$0	$7,000	$7,000	$0	$3,500	$3,500	$0	$3,500	$3,500
Collection System Related - rehabilitation	Summit Park #4 PS Rebuild	2025	2025	$0	$400,000	$400,000	$0	$132,000	$132,000	$0	$268,000	$268,000
Collection System Related - rehabilitation	Summit Park #6 PS, Rebuild	2025	2025	$0	$415,000	$415,000	$0	$41,500	$41,500	$0	$373,500	$373,500
Collection System Related - rehabilitation	System Renewal - Collection Projects	2025	2025	$0	$1,200,000	$1,200,000	$0	$442,800	$442,800	$0	$757,200	$757,200
Vehicles and Equipment	Replace Vehicle V-52	2025	2025	$0	$52,000	$52,000	$0	$0	$0	$0	$52,000	$52,000
Vehicles and Equipment	Replace Vehicle V-57	2025	2025	$0	$52,000	$52,000	$0	$0	$0	$0	$52,000	$52,000
Laboratory	Analytical Equipment	2026	2025	$0	$12,480	$12,480	$0	$0	$0	$0	$12,480	$12,480
SCWRF Related	Grit Cyclones	2026	2025	$0	$26,000	$26,000	$0	$0	$0	$0	$26,000	$26,000
Facility Expansion - ECWRF Related	Phase A, Construction, Conventional 7.5 mg	**2026**	**2026**	$146,240	$0	$146,240	$143,315	$0	$143,315	$2,925	$0	$2,925
Treatment Related	Pretreatment Standards	2026	2024	$0	$54,080	$54,080	$0	$0	$0	$0	$54,080	$54,080
Biosolids Handling	Replace Dump Truck V- 56	2026	2024	$0	$183,872	$183,872	$0	$0	$0	$0	$183,872	$183,872
Pretreatment	Replace Vehicle V-63	2026	2024	$0	$70,304	$70,304	$0	$0	$0	$0	$70,304	$70,304
ECWRF Related	SCADA Upgrade	2026	2024	$0	$21,632	$21,632	$0	$0	$0	$0	$21,632	$21,632
SCWRF Related	SCADA Upgrade	2026	2024	$0	$21,632	$21,632	$0	$0	$0	$0	$21,632	$21,632
ECWRF Related	Water Quality Studies	2026	2024	$0	$162,240	$162,240	$0	$155,750	$155,750	$0	$6,490	$6,490
ECWRF Related	Wylo Mixers (2)	2026	2024	$0	$54,080	$54,080	$0	$0	$0	$0	$54,080	$54,080
Computer Related	Collection Dept. Computer Upgrade	2026	2025	$0	$26,000	$26,000	$0	$0	$0	$0	$26,000	$26,000
Collection System - computer related	Computer Upgrade	2026	2025	$0	$10,400	$10,400	$0	$0	$0	$0	$10,400	$10,400
Collection System Related - replacement	Jeremy Ranch Access Roads	2026	2025	$0	$624,000	$624,000	$0	$0	$0	$0	$624,000	$624,000
Collection System Related - rehabilitation	Large Dia MH Liing	2026	2025	$0	$520,000	$520,000	$0	$52,000	$52,000	$0	$468,000	$468,000
Vehicles and Equipment	Replace Dump Truck (1)	2026	2025	$0	$124,800	$124,800	$0	$0	$0	$0	$124,800	$124,800
Vehicles and Equipment	Replace F-350 (5) Net	2026	2025	$0	$57,200	$57,200	$0	$0	$0	$0	$57,200	$57,200
Vehicles and Equipment	Replace F-550 (2) Net	2026	2025	$0	$78,000	$78,000	$0	$0	$0	$0	$78,000	$78,000
Collection System Related	Replace Off Road TV Unit	2026	2025	$0	$182,000	$182,000	$0	$0	$0	$0	$182,000	$182,000
Collection System Related	Splitter Replacement (Design)	2026	2025	$0	$78,000	$78,000	$0	$17,940	**$17,940**	$0	$60,060	$60,060
Collection System Related - rehabilitation	Spring Creek Lift Station Rebuild	2026	2025	$0	$228,800	$228,800	$0	$98,384	$98,384	$0	$130,416	$130,416
Collection System Related - rehabilitation	System Renewal - Collection Projects	2026	2025	$0	$1,352,000	$1,352,000	$0	$486,720	$486,720	$0	$865,280	$865,280
LAN Computer Related	Network Infrastructure	2026	2025	$0	$52,000	$52,000	$0	$0	$0	$0	$52,000	$52,000
Engineering Related	Replace GPS Unit	2026	2025	$0	$36,400	$36,400	$0	$0	$0	$0	$36,400	$36,400
Engineering Related	Replace Plotter	2026	2025	$0	$5,200	$5,200	$0	$0	$0	$0	$5,200	$5,200

Source—*SBWRD CIP*, from the January 2025 SBWRD financial plan.

Table 10—SBWRD Capital Improvement Plan

SBWRD CAPITAL IMPROVEMENT PLAN 2023 to 2032 **2027 Construction Start - Model is Solved**

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Project Description		BUILD Year	COST ESTIMATE Year	CIP (constant $s)			IFFP (constant $s)			Non-IFFP (constant $s)		
				New Const. Projects	Other Capital Projects	Total	New Const. Projects	Other Capital Projects	Total	New Const. Projects	Other Capital Projects	Total
Facility Expansion - ECWRF Related	Phase A, Construction, Conventional 7.5 mg	**2027**	**2027**	$29,873,510	$0	$29,873,510	$29,276,040	$0	$29,276,040	$597,470	$0	$597,470
SCWRF Related	Polaris Ranger	2027	2024	$0	$22,497	$22,497	$0	$0	$0	$0	$22,497	$22,497
Biosolids Handling	Replace Dump Truck, V-62	2027	2024	$0	$191,227	$191,227	$0	$0	$0	$0	$191,227	$191,227
ECWRF Related	Sand Filter Lift Tubes	2027	2024	$0	$35,996	$35,996	$0	$0	$0	$0	$35,996	$35,996
ECWRF Related	Super Hauler Cart	2027	2024	$0	$16,873	$16,873	$0	$0	$0	$0	$16,873	$16,873
SCWRF Related	Super Hauler Cart	2027	2024	$0	$16,873	$16,873	$0	$0	$0	$0	$16,873	$16,873
ECWRF Related	Water Quality Study	2027	2024	$0	$168,730	$168,730	$0	$161,980	$161,980	$0	$6,749	$6,749
Collection System Related - replacement	Collections Maintenance Eng. Projects	2027	2025	$0	$540,800	$540,800	$0	$194,688	$194,688	$0	$346,112	$346,112
Collection System - computer related	Computer Upgrade	2027	2025	$0	$10,816	$10,816	$0	$0	$0	$0	$10,816	$10,816
Collection System Related - rehabilitation	Promontory Asphalt	2027	2025	$0	$32,448	$32,448	$0	$0	$0	$0	$32,448	$32,448
Vehicles and Equipment	Replace F-350 (3) Net	2027	2025	$0	$59,488	$59,488	$0	$0	$0	$0	$59,488	$59,488
Collection System Related	Splitter Replacement (Construction)	2027	2025	$0	$1,514,240	$1,514,240	$0	$348,275	**$348,275**	$0	$1,165,965	$1,165,965
Collection System Related - rehabilitation	System Renewal - Collection Projects	2027	2025	$0	$1,406,080	$1,406,080	$0	$494,940	$494,940	$0	$911,140	$911,140
Engineering Related	Flow Monitoring	2027	2025	$0	$17,306	$17,306	$0	$8,653	$8,653	$0	$8,653	$8,653
LAN Computer Related	Network Infrastructure	2027	2025	$0	$32,448	$32,448	$0	$0	$0	$0	$32,448	$32,448
SCWRF Related	Chemical Alum Feed Pumps	2028	2024	$0	$21,057	$21,057	$0	$0	$0	$0	$21,057	$21,057
ECWRF Related	HVAC Mechanical	2028	2024	$0	$23,397	$23,397	$0	$0	$0	$0	$23,397	$23,397
Facility Expansion - ECWRF Related	Phase A, Construction, Conventional 7.5 mg	**2028**	**2028**	$36,023,700	$0	$36,023,700	$35,303,226	$0	$35,303,226	$720,474	$0	$720,474
Collection System Related - replacement	6" Bypass Pump & Trailer (1)	2028	2025	$0	$112,486	$112,486	$0	$0	$0	$0	$112,486	$112,486
Collection System Related - replacement	Collections Maintenance Eng. Projects	2028	2025	$0	$562,432	$562,432	$0	$192,914	$192,914	$0	$369,518	$369,518
Collection System - computer related	Computer Upgrade	2028	2025	$0	$11,249	$11,249	$0	$0	$0	$0	$11,249	$11,249
Vehicles and Equipment	Replace F-150 (1) Net	2028	2025	$0	$61,868	$61,868	$0	$0	$0	$0	$61,868	$61,868
Vehicles and Equipment	Replace F-550 (3) Net	2028	2025	$0	$84,365	$84,365	$0	$0	$0	$0	$84,365	$84,365
Vehicles and Equipment	Replace Jet Truck (1) Net	2028	2025	$0	$421,824	$421,824	$0	$0	$0	$0	$421,824	$421,824
Vehicles and Equipment	Replace TV Van	2028	2025	$0	$264,343	$264,343	$0	$0	$0	$0	$264,343	$264,343
Collection System Related - rehabilitation	System Renewal - Collection Projects	2028	2025	$0	$1,462,323	$1,462,323	$0	$501,577	$501,577	$0	$960,746	$960,746
LAN Computer Related	Network Infrastructure	2028	2025	$0	$35,996	$35,996	$0	$0	$0	$0	$35,996	$35,996
SCWRF Related	Asphalt Sealing	2029	2024	$0	$66,916	$66,916	$0	$0	$0	$0	$66,916	$66,916
ECWRF Related	GAC for Odor Control Towers	2029	2024	$0	$72,999	$72,999	$0	$0	$0	$0	$72,999	$72,999
SCWRF Related	GAC for Odor Control Towers	2029	2024	$0	$72,999	$72,999	$0	$0	$0	$0	$72,999	$72,999
ECWRF Related	Gritter Cyclone	2029	2024	$0	$30,416	$30,416	$0	$0	$0	$0	$30,416	$30,416
Facility Expansion - ECWRF Related	Phase A, Construction, Conventional 7.5 mg	**2029**	**2029**	$30,019,750	$0	$30,019,750	$29,419,355	$0	$29,419,355	$600,395	$0	$600,395
ECWRF Related	Replace Snow Mower/Blower	2029	2024	$0	$60,833	$60,833	$0	$0	$0	$0	$60,833	$60,833
SCWRF Related	Replace Vehicle V-72	2029	2024	$0	$85,166	$85,166	$0	$0	$0	$0	$85,166	$85,166
ECWRF Related	Replace Vehicle V-73	2029	2024	$0	$85,166	$85,166	$0	$0	$0	$0	$85,166	$85,166
Collection System Related - replacement	6" Bypass Pump & Trailer (2)	2029	2025	$0	$116,986	$116,986	$0	$0	$0	$0	$116,986	$116,986
Collection System - computer related	Computer Upgrade	2029	2025	$0	$11,699	$11,699	$0	$0	$0	$0	$11,699	$11,699
Collection System Related - replacement	Emerg. Bypass Trailer with Hoses	2029	2025	$0	$23,397	$23,397	$0	$0	$0	$0	$23,397	$23,397
Collection System Related - replacement	Lower Park Ave. (Design)	2029	2025	$0	$233,972	$233,972	$0	$23,397	$23,397	$0	$210,575	$210,575
Vehicles and Equipment	Replace Jet Truck (2) (net)	2029	2025	$0	$438,697	$438,697	$0	$0	$0	$0	$438,697	$438,697
Collection System Related - rehabilitation	System Renewal - Collection Projects	2029	2025	$0	$1,520,816	$1,520,816	$0	$506,432	$506,432	$0	$1,014,384	$1,014,384
Laboratory	Analytical Equipment	2030	2024	$0	$18,980	$18,980	$0	$0	$0	$0	$18,980	$18,980
SCWRF Related	CAT Loader	2030	2024	$0	$221,431	$221,431	$0	$0	$0	$0	$221,431	$221,431
Facility Expansion - ECWRF Related	Phase A, Construction, Conventional 7.5 mg	**2030**	**2030**	$24,015,800	$0	$24,015,800	$23,535,484	$0	$23,535,484	$480,316	$0	$480,316
SCWRF Related	Replace Submersible Sump Pumps	2030	2024	$0	$50,613	$50,613	$0	$0	$0	$0	$50,613	$50,613
ECWRF Related	Replace Trash Pump	2030	2024	$0	$44,286	$44,286	$0	$0	$0	$0	$44,286	$44,286
ECWRF Related	SCADA Upgrade	2030	2024	$0	$25,306	$25,306	$0	$0	$0	$0	$25,306	$25,306
SCWRF Related	SCADA Upgrade	2030	2024	$0	$25,306	$25,306	$0	$0	$0	$0	$25,306	$25,306

Source—*SBWRD CIP,* from the January 2025 SBWRD financial plan.

Table 11—SBWRD Capital Improvement Plan

SBWRD CAPITAL IMPROVEMENT PLAN 2023 to 2032 **2027 Construction Start - Model is Solved**

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Project Description		BUILD Year	COST ESTIMATE Year	CIP (constant $s)			IFFP (constant $s)			Non-IFFP (constant $s)		
				New Const. Projects	Other Capital Projects	Total	New Const. Projects	Other Capital Projects	Total	New Const. Projects	Other Capital Projects	Total
Collection System Related - replacement	6" Bypass Pump & Trailer (3)	2030	2025	$0	$121,665	$121,665	$0	$0	$0	$0	$121,665	$121,665
Computer Related	Collection Dept. Computer Upgrade	2030	2025	$0	$30,416	$30,416	$0	$0	$0	$0	$30,416	$30,416
Collection System Related - replacement	Collections Maintenance Eng. Projects	2030	2025	$0	$608,326	$608,326	$0	$196,489	$196,489	$0	$411,837	$411,837
Collection System - computer related	Computer Upgrade	2030	2025	$0	$12,167	$12,167	$0	$0	$0	$0	$12,167	$12,167
Collection System Related - replacement	Daly Ave.	2030	2025	$0	$1,581,649	$1,581,649	$0	$680,109	$680,109	$0	$901,540	$901,540
Collection System Related - rehabilitation	Large Dia MH Liing	2030	2025	$0	$608,326	$608,326	$0	$202,573	$202,573	$0	$405,754	$405,754
Collection System Related - replacement	Lower Park Ave. (Construction)	2030	2025	$0	$1,824,979	$1,824,979	$0	$182,498	$182,498	$0	$1,642,481	$1,642,481
Vehicles and Equipment	Replace Backhoe	2030	2025	$0	$121,665	$121,665	$0	$0	$0	$0	$121,665	$121,665
Vehicles and Equipment	Replace F-550 (1) Net	2030	2025	$0	$91,249	$91,249	$0	$0	$0	$0	$91,249	$91,249
Vehicles and Equipment	Replace Track Loader (2)	2030	2025	$0	$109,499	$109,499	$0	$0	$0	$0	$109,499	$109,499
Collection System Related - rehabilitation	System Renewal - Collection Projects	2030	2025	$0	$1,581,649	$1,581,649	$0	$510,873	$510,873	$0	$1,070,776	$1,070,776
Engineering Related	Large Format Scanner	2030	2025	$0	$24,333	$24,333	$0	$0	$0	$0	$24,333	$24,333
LAN Computer Related	Network Infrastructure	2030	2025	$0	$36,500	$36,500	$0	$0	$0	$0	$36,500	$36,500
Vehicles and Equipment	Replace Vehicle V-68	2030	2025	$0	$60,833	$60,833	$0	$0	$0	$0	$60,833	$60,833
Computer Related	Computer Upgrade	2030	2025	$0	$18,250	$18,250	$0	$0	$0	$0	$18,250	$18,250
ECWRF Related	Compactor Screws	2031	2024	$0	$26,319	$26,319	$0	$0	$0	$0	$26,319	$26,319
ECWRF Related	Golf Cart	2031	2024	$0	$13,159	$13,159	$0	$0	$0	$0	$13,159	$13,159
SCWRF Related	Replace Snow Mower/Blower	2031	2024	$0	$65,797	$65,797	$0	$0	$0	$0	$65,797	$65,797
SCWRF Related	Replace Trash Pump	2031	2024	$0	$46,058	$46,058	$0	$0	$0	$0	$46,058	$46,058
Collection System Related - replacement	Collections Maintenance Eng. Projects	2031	2025	$0	$632,660	$632,660	$0	$197,390	$197,390	$0	$435,270	$435,270
Collection System Related - replacement	Collections Maintenance Eng. Projects	2031	2024	$0	$657,966	$657,966	$0	$197,390	$197,390	$0	$460,576	$460,576
Collection System - computer related	Computer Upgrade	2031	2025	$0	$12,653	$12,653	$0	$0	$0	$0	$12,653	$12,653
Collection System Related - rehabilitation	Jeremy Ranch PS Pumps	2031	2025	$0	$695,925	$695,925	$0	$0	$0	$0	$695,925	$695,925
Collection System Related - replacement	Lower Park Ave. (Construction)	2031	2025	$0	$1,897,979	$1,897,979	$0	$189,798	$189,798	$0	$1,708,181	$1,708,181
Facility Expansion - ECWRF Related	Phase A, Construction, Conventional 7.5 mg	**2031**	**2031**	$0	$0	$0	$0	$0	$0	$0	$0	$0
Vehicles and Equipment	Replace F-350 (4) (net)	2031	2025	$0	$69,593	$69,593	$0	$0	$0	$0	$69,593	$69,593
Collection System Related - rehabilitation	System Renewal - Collection Projects	2031	2025	$0	$1,644,915	$1,644,915	$0	$513,213	$513,213	$0	$1,131,701	$1,131,701
Engineering Related	Flow Monitoring	2031	2025	$0	$20,245	$20,245	$0	$10,123	$10,123	$0	$10,123	$10,123
LAN Computer Related	Network Infrastructure	2031	2025	$0	$37,960	$37,960	$0	$0	$0	$0	$37,960	$37,960
Vehicles and Equipment	Replace Vehicle V-45	2031	2025	$0	$63,266	$63,266	$0	$0	$0	$0	$63,266	$63,266
ECWRF Related	Asphalt Sealing	2032	2024	$0	$75,271	$75,271	$0	$0	$0	$0	$75,271	$75,271
ECWRF Related	Replace Vehicle V-60	2032	2024	$0	$95,800	$95,800	$0	$0	$0	$0	$95,800	$95,800
SCWRF Related	Replace Vehicle V-61	2032	2024	$0	$95,800	$95,800	$0	$0	$0	$0	$95,800	$95,800
SCWRF Related	Sand Filter Lift Tubes	2032	2024	$0	$43,794	$43,794	$0	$0	$0	$0	$43,794	$43,794
Collection System Related - replacement	Collections Maintenance Eng. Projects	2032	2025	$0	$657,966	$657,966	$0	$197,390	$197,390	$0	$460,576	$460,576
Collection System - computer related	Computer Upgrade	2032	2025	$0	$13,159	$13,159	$0	$0	$0	$0	$13,159	$13,159
Collection System Related - rehabilitation	Park View PS Complete	2032	2025	$0	$164,491	$164,491	$0	$0	$0	$0	$164,491	$164,491
Vehicles and Equipment	Replace Dump Truck (1)	2032	2025	$0	$157,912	$157,912	$0	$0	$0	$0	$157,912	$157,912
Vehicles and Equipment	Replace F-150 (2) Net	2032	2025	$0	$72,376	$72,376	$0	$0	$0	$0	$72,376	$72,376
Vehicles and Equipment	Replace Off Road Jetter	2032	2025	$0	$98,695	$98,695	$0	$0	$0	$0	$98,695	$98,695
Collection System Related - rehabilitation	System Renewal - Collection Projects	2032	2025	$0	$1,710,711	$1,710,711	$0	$513,213	$513,213	$0	$1,197,498	$1,197,498
LAN Computer Related	Network Infrastructure	2032	2025	$0	$65,797	$65,797	$0	$0	$0	$0	$65,797	$65,797
Engineering Related	Replace GPS Unit	2032	2025	$0	$46,058	$46,058	$0	$0	$0	$0	$46,058	$46,058
Engineering Related	Replace Plotter	2032	2025	$0	$13,159	$13,159	$0	$0	$0	$0	$13,159	$13,159
Vehicles and Equipment	Replace Vehicle V-52	2032	2025	$0	$65,797	$65,797	$0	$0	$0	$0	$65,797	$65,797
Laboratory	Analytical Equipment	2033	2024	$0	$17,080	$17,080	$0	$0	$0	$0	$17,080	$17,080
ECWRF Related	Chemical Tanks (4) #1-4	2033	2024	$0	$56,932	$56,932	$0	$0	$0	$0	$56,932	$56,932
Collection System Related - replacement	25' Low Flatbed Trailer	2033	2025	$0	$35,583	$35,583	$0	$0	$0	$0	$35,583	$35,583

Source—*SBWRD CIP*, from the January 2025 SBWRD financial plan.

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Table 12—SBWRD Capital Improvement Plan

SBWRD CAPITAL IMPROVEMENT PLAN 2023 to 2032 **2027 Construction Start - Model is Solved**

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Project Description		BUILD Year	COST ESTIMATE Year	CIP (constant $s)			IFFP (constant $s)			Non-IFFP (constant $s)		
				New Const. Projects	Other Capital Projects	Total	New Const. Projects	Other Capital Projects	Total	New Const. Projects	Other Capital Projects	Total
Collection System - computer related	Computer Upgrade	2033	2025	$0	$13,686	$13,686	$0	$0	$0	$0	$13,686	$13,686
Collection System Related - rehabilitation	Promontory #1 PS Complete	2033	2025	$0	$615,856	$615,856	$0	$0	$0	$0	$615,856	$615,856
Collection System Related - rehabilitation	Swede Alley Rehab/ Transit Center Renbuild	2033	2025	$0	$2,189,710	$2,189,710	$0	$284,662	$284,662	$0	$1,905,048	$1,905,048
Collection System Related - rehabilitation	System Renewal - Collection Projects	2033	2025	$0	$1,779,140	$1,779,140	$0	$492,822	$492,822	$0	$1,286,318	$1,286,318
LAN Computer Related	Network Infrastructure	2033	2025	$0	$41,057	$41,057	$0	$0	$0	$0	$41,057	$41,057
Vehicles and Equipment	Replace Vehicle V-57	2033	2025	$0	$68,428	$68,428	$0	$0	$0	$0	$68,428	$68,428
Vehicles and Equipment	Replace Vehicle V-26	2033	2025	$0	$38,320	$38,320	$0	$19,160	$19,160	$0	$19,160	$19,160
ECWRF Related	GAC for Odor Control Towers	2034	2024	$0	$88,815	$88,815	$0	$0	$0	$0	$88,815	$88,815
ECWRF Related	GAC for Odor Control Towers	2034	2024	$0	$88,815	$88,815	$0	$0	$0	$0	$88,815	$88,815
SCWRF Related	GAC for Odor Control Towers	2034	2024	$0	$88,815	$88,815	$0	$0	$0	$0	$88,815	$88,815
SCWRF Related	Grit Removal Equipment (2)	2034	2024	$0	$296,049	$296,049	$0	$82,006	$82,006	$0	$214,043	$214,043
SCWRF Related	HW HVAC - may Not Be Needed	2034	2024	$0	$148,024	$148,024	$0	$0	$0	$0	$148,024	$148,024
ECWRF Related	Post Aerator - May Not Be Needed	2034	2024	$0	$35,526	$35,526	$0	$0	$0	$0	$35,526	$35,526
Biosolids Handling	Replace Dump Truck V-62	2034	2024	$0	$251,642	$251,642	$0	$0	$0	$0	$251,642	$251,642
Biosolids Handling	SC Solids Bldg HVAC	2034	2024	$0	$148,024	$148,024	$0	$41,003	$41,003	$0	$107,022	$107,022
ECWRF Related	SCADA Upgrade	2034	2024	$0	$29,605	$29,605	$0	$0	$0	$0	$29,605	$29,605
SCWRF Related	SCADA Upgrade	2034	2024	$0	$29,605	$29,605	$0	$0	$0	$0	$29,605	$29,605
Collection System Related - replacement	Collections Maintenance Eng. Projects	2034	2025	$0	$711,656	$711,656	$0	$197,129	$197,129	$0	$514,527	$514,527
Collection System - computer related	Computer Upgrade	2034	2025	$0	$14,233	$14,233	$0	$0	$0	$0	$14,233	$14,233
Collection System Related - rehabilitation	Promontory #2 PS Complete	2034	2025	$0	$341,595	$341,595	$0	$0	$0	$0	$341,595	$341,595
Collection System Related - rehabilitation	Pump Station SCADA Upgrade	2034	2025	$0	$142,331	$142,331	$0	$0	$0	$0	$142,331	$142,331
Vehicles and Equipment	Replace F-350 (1) (net)	2034	2025	$0	$78,282	$78,282	$0	$0	$0	$0	$78,282	$78,282
Vehicles and Equipment	Replace F-350 (2) net	2034	2025	$0	$78,282	$78,282	$0	$0	$0	$0	$78,282	$78,282
Vehicles and Equipment	Replace F-550 (2) Net	2034	2025	$0	$106,748	$106,748	$0	$0	$0	$0	$106,748	$106,748
Vehicles and Equipment	Replace Jet Truck (1) Net	2034	2025	$0	$533,742	$533,742	$0	$0	$0	$0	$533,742	$533,742
Collection System Related	Replace Off Road TV Unit	2034	2025	$0	$249,080	$249,080	$0	$0	$0	$0	$249,080	$249,080
Collection System Related - rehabilitation	System Renewal - Collection Projects	2034	2025	$0	$1,850,305	$1,850,305	$0	$512,535	$512,535	$0	$1,337,771	$1,337,771
LAN Computer Related	Network Infrastructure	2034	2025	$0	$45,546	$45,546	$0	$0	$0	$0	$45,546	$45,546
SCWRF Related	Asphalt Sealing	2035	2024	$0	$61,578	$61,578	$0	$0	$0	$0	$61,578	$61,578
Plant Upgrade	EDC and PFAS Removal	2035	2024	$10,776,178	$0	$10,776,178	$2,989,032	$0	**$2,989,032**	$7,787,146	$0	$7,787,146
ECWRF Related	Influent Pumps #1-6	2035	2024	$0	$138,551	$138,551	$0	$0	$0	$0	$138,551	$138,551
Biosolids Handling	Replace Dump Truck V- 75	2035	2024	$0	$261,707	$261,707	$0	$0	$0	$0	$261,707	$261,707
SCWRF Related	Replace Loader	2035	2024	$0	$269,404	$269,404	$0	$0	$0	$0	$269,404	$269,404
Pretreatment	Replace Vehicle V-63	2035	2024	$0	$92,367	$92,367	$0	$0	$0	$0	$92,367	$92,367
ECWRF Related	Step Screens #1 & #2 Mechanical	2035	2024	$0	$384,864	$384,864	$0	$101,989	$101,989	$0	$282,875	$282,875
ECWRF Related	Step Screens #3 Mechanical	2035	2024	$0	$200,129	$200,129	$0	$53,034	$53,034	$0	$147,095	$147,095
ECWRF Related	VFD's - 100 HP (1)	2035	2024	$0	$38,486	$38,486	$0	$0	$0	$0	$38,486	$38,486
ECWRF Related	VFD's - 20 HP (4)	2035	2024	$0	$49,263	$49,263	$0	$0	$0	$0	$49,263	$49,263
Vehicles and Equipment	Replace Jet Truck (2) Net	2035	2025	$0	$555,092	$555,092	$0	$0	$0	$0	$555,092	$555,092
Vehicles and Equipment	Replace Polaris Utility Vehicle with Trailer	2035	2025	$0	$51,809	$51,809	$0	$0	$0	$0	$51,809	$51,809
Vehicles and Equipment	Replace Track Loader (1)	2035	2025	$0	$133,222	$133,222	$0	$0	$0	$0	$133,222	$133,222
Collection System Related - rehabilitation	Summit Park #4 PS Pumps	2035	2025	$0	$148,024	$148,024	$0	$14,802	$14,802	$0	$133,222	$133,222
Collection System Related - rehabilitation	Summit Park #6 PS Pumps	2035	2025	$0	$148,024	$148,024	$0	$14,802	$14,802	$0	$133,222	$133,222
Collection System Related - rehabilitation	System Renewal - Collection Projects	2035	2025	$0	$1,924,318	$1,924,318	$0	$509,944	$509,944	$0	$1,414,373	$1,414,373
Engineering Related	Flow Monitoring	2035	2025	$0	$23,684	$23,684	$0	$11,842	$11,842	$0	$11,842	$11,842
ECWRF Related	Compactor Mechanical	2036	2024	$0	$416,268	$416,268	$0	$105,316	$105,316	$0	$310,952	$310,952
ECWRF Related	Fork Lift	2036	2024	$0	$144,093	$144,093	$0	$0	$0	$0	$144,093	$144,093
ECWRF Related	Grinder Mechanical	2036	2024	$0	$41,627	$41,627	$0	$0	$0	$0	$41,627	$41,627

Source—*SBWRD CIP*, from the January 2025 SBWRD financial plan.

Table 13—SBWRD Capital Improvement Plan

SBWRD CAPITAL IMPROVEMENT PLAN 2023 to 2032 **2027 Construction Start - Model is Solved**

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Project Description		BUILD Year	COST ESTIMATE Year	CIP (constant $s)			IFFP (constant $s)			Non-IFFP (constant $s)		
				New Const. Projects	Other Capital Projects	Total	New Const. Projects	Other Capital Projects	Total	New Const. Projects	Other Capital Projects	Total
SCWRF Related	Grit Cyclones and Volute	2036	2024	$0	$40,026	$40,026	$0	$0	$0	$0	$40,026	$40,026
ECWRF Related	HVAC Mechanical RAS/WAS Bldg	2036	2024	$0	$20,813	$20,813	$0	$0	$0	$0	$20,813	$20,813
Biosolids Handling	Replace Dump Truck V- 22	2036	2024	$0	$272,175	$272,175	$0	$0	$0	$0	$272,175	$272,175
Collection System Related - replacement	Collections Maintenance Eng. Projects	2036	2025	$0	$769,727	$769,727	$0	$194,741	$194,741	$0	$574,986	$574,986
Vehicles and Equipment	Replace F-150 (1) Net	2036	2025	$0	$84,670	$84,670	$0	$0	$0	$0	$84,670	$84,670
Vehicles and Equipment	Replace F-350 (5) Net	2036	2025	$0	$84,670	$84,670	$0	$0	$0	$0	$84,670	$84,670
Vehicles and Equipment	Replace F-550 (3) Net	2036	2025	$0	$115,459	$115,459	$0	$0	$0	$0	$115,459	$115,459
Vehicles and Equipment	Replace TV Van	2036	2025	$0	$361,772	$361,772	$0	$0	$0	$0	$361,772	$361,772
Collection System Related - rehabilitation	Spring Creek Lift Station Pumps	2036	2025	$0	$107,762	$107,762	$0	$46,338	$46,338	$0	$61,424	$61,424
Collection System Related - rehabilitation	System Renewal - Collection Projects	2036	2025	$0	$2,001,290	$2,001,290	$0	$506,326	$506,326	$0	$1,494,964	$1,494,964
LAN Computer Related	Network Infrastructure	2036	2025	$0	$46,184	$46,184	$0	$0	$0	$0	$46,184	$46,184
Collection System Related - rehabilitation	Promontory #5 PS Complete	2037	2025	$0	$552,356	$552,356	$0	$27,618	$27,618	$0	$524,738	$524,738
Collection System Related - rehabilitation	Promontory Asphalt	2037	2025	$0	$80,052	$80,052	$0	$0	$0	$0	$80,052	$80,052
Collection System Related	Replace F-350 (3) net	2037	2025	$0	$88,057	$88,057	$0	$0	$0	$0	$88,057	$88,057
Engineering Related	Large Format Scanner	2037	2025	$0	$32,021	$32,021	$0	$0	$0	$0	$32,021	$32,021
LAN Computer Related	Network Infrastructure	2037	2025	$0	$48,031	$48,031	$0	$0	$0	$0	$48,031	$48,031
ECWRF Related	Aerators (2) #5-6 Rebuild	2038	2024	$0	$207,801	$207,801	$0	$45,301	$45,301	$0	$162,501	$162,501
SCWRF Related	Aerators (4) #1-4 Rebuild	2038	2024	$0	$415,602	$415,602	$0	$95,173	$95,173	$0	$320,429	$320,429
ECWRF Related	Permeate Pumps (4)	2038	2024	$0	$103,901	$103,901	$0	$0	$0	$0	$103,901	$103,901
ECWRF Related	SCADA Upgrade	2038	2024	$0	$34,634	$34,634	$0	$0	$0	$0	$34,634	$34,634
SCWRF Related	SCADA Upgrade	2038	2024	$0	$173,168	$173,168	$0	$39,655	$39,655	$0	$133,512	$133,512
ECWRF Related	VFD's - 100 HP (1)	2038	2024	$0	$43,292	$43,292	$0	$0	$0	$0	$43,292	$43,292
ECWRF Related	VFD's - 20 HP (10)	2038	2024	$0	$138,534	$138,534	$0	$0	$0	$0	$138,534	$138,534
Computer Related	Collection Dept. Computer Upgrade	2038	2025	$0	$41,627	$41,627	$0	$0	$0	$0	$41,627	$41,627
Collection System Related - replacement	Collections Maintenance Eng. Projects	2038	2025	$0	$832,537	$832,537	$0	$190,651	$190,651	$0	$641,886	$641,886
Collection System Related - rehabilitation	Promontory #4 PS Complete	2038	2025	$0	$457,895	$457,895	$0	$22,895	$22,895	$0	$435,000	$435,000
Vehicles and Equipment	Replace F-550 (1) Net	2038	2025	$0	$124,881	$124,881	$0	$0	$0	$0	$124,881	$124,881
Collection System Related - rehabilitation	System Renewal - Collection Projects	2038	2025	$0	$2,164,596	$2,164,596	$0	$495,692	$495,692	$0	$1,668,903	$1,668,903
LAN Computer Related	Network Infrastructure	2038	2025	$0	$83,254	$83,254	$0	$0	$0	$0	$83,254	$83,254
Engineering Related	Replace GPS Unit	2038	2025	$0	$58,278	$58,278	$0	$0	$0	$0	$58,278	$58,278
ECWRF Related	GAC for Odor Control Towers	2039	2024	$0	$90,047	$90,047	$0	$0	$0	$0	$90,047	$90,047
SCWRF Related	GAC for Odor Control Towers	2039	2024	$0	$90,047	$90,047	$0	$0	$0	$0	$90,047	$90,047
SCWRF Related	Generator (1) #1	2039	2024	$0	$450,236	$450,236	$0	$98,151	$98,151	$0	$352,084	$352,084
ECWRF Related	Grit Cyclones and Volute	2039	2024	$0	$45,024	$45,024	$0	$0	$0	$0	$45,024	$45,024
SCWRF Related	HW Screens & Conveyors (2)	2039	2024	$0	$468,245	$468,245	$0	$102,077	$102,077	$0	$366,168	$366,168
SCWRF Related	Influent Pumps (4)	2039	2024	$0	$108,057	$108,057	$0	$0	$0	$0	$108,057	$108,057
SCWRF Related	Replace Snow Mower/Blower	2039	2024	$0	$72,038	$72,038	$0	$0	$0	$0	$72,038	$72,038
SCWRF Related	Replace Vehicle V-37	2039	2024	$0	$126,066	$126,066	$0	$0	$0	$0	$126,066	$126,066
ECWRF Related	Replace Vehicle V-38	2039	2024	$0	$126,066	$126,066	$0	$0	$0	$0	$126,066	$126,066
SCWRF Related	VFD's - 100 HP (1)	2039	2024	$0	$45,024	$45,024	$0	$0	$0	$0	$45,024	$45,024
SCWRF Related	VFD's - 20 HP (10)	2039	2024	$0	$144,075	$144,075	$0	$0	$0	$0	$144,075	$144,075
Collection System Related - replacement	22' Tiltbed Trailer	2039	2025	$0	$27,707	$27,707	$0	$0	$0	$0	$27,707	$27,707
Collection System Related - replacement	Emerg. Bypass Trailer with Hoses	2039	2025	$0	$34,634	$34,634	$0	$0	$0	$0	$34,634	$34,634
Collection System Related - rehabilitation	Promontory #3 PS Complete	2039	2025	$0	$476,211	$476,211	$0	$23,811	$23,811	$0	$452,400	$452,400
Engineering Related	Flow Monitoring	2039	2025	$0	$27,707	$27,707	$0	$13,853	$13,853	$0	$13,853	$13,853
LAN Computer Related	Network Infrastructure	2039	2025	$0	$51,950	$51,950	$0	$0	$0	$0	$51,950	$51,950
Vehicles and Equipment	Replace Vehicle V-45	2039	2025	$0	$86,584	$86,584	$0	$0	$0	$0	$86,584	$86,584
Vehicles and Equipment	Replace Vehicle V-68	2039	2025	$0	$86,584	$86,584	$0	$0	$0	$0	$86,584	$86,584

Source—*SBWRD CIP,* from the January 2025 SBWRD financial plan.

Table 14—SBWRD Capital Improvement Plan

SBWRD CAPITAL IMPROVEMENT PLAN 2023 to 2032 **2027 Construction Start - Model is Solved**

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Project Description		BUILD Year	COST ESTIMATE Year	CIP (constant $s)			IFFP (constant $s)			Non-IFFP (constant $s)		
				New Const. Projects	Other Capital Projects	Total	New Const. Projects	Other Capital Projects	Total	New Const. Projects	Other Capital Projects	Total
Laboratory	Analytical Equipment	2040	2024	$0	$22,476	$22,476	$0	$0	$0	$0	$22,476	$22,476
Biosolids Handling	Replace Dump Truck V-36	2040	2024	$0	$318,407	$318,407	$0	$0	$0	$0	$318,407	$318,407
Collection System Related - replacement	Collections Maintenance Eng. Projects	2040	2025	$0	$900,472	$900,472	$0	$185,497	$185,497	$0	$714,975	$714,975
Collection System Related - replacement	Push Camera	2040	2025	$0	$10,000	$10,000	$0	$0	$0	$0	$10,000	$10,000
Vehicles and Equipment	Replace Dump Truck (1)	2040	2025	$0	$216,113	$216,113	$0	$0	$0	$0	$216,113	$216,113
Vehicles and Equipment	Replace F-150 (2) Net	2040	2025	$0	$99,052	$99,052	$0	$0	$0	$0	$99,052	$99,052
Vehicles and Equipment	Replace Jet Truck (1) Net	2040	2025	$0	$675,354	$675,354	$0	$0	$0	$0	$675,354	$675,354
Vehicles and Equipment	Replace Track Loader (2)	2040	2025	$0	$162,085	$162,085	$0	$0	$0	$0	$162,085	$162,085
Collection System Related - rehabilitation	System Renewal - Collection Projects	2040	2025	$0	$2,341,227	$2,341,227	$0	$482,293	$482,293	$0	$1,858,934	$1,858,934
LAN Computer Related	Network Infrastructure	2040	2025	$0	$57,630	$57,630	$0	$0	$0	$0	$57,630	$57,630
Engineering Related	Replace Plotter	2040	2025	$0	$18,009	$18,009	$0	$0	$0	$0	$18,009	$18,009
Vehicles and Equipment	Replace Vehicle V-52	2040	2025	$0	$90,047	$90,047	$0	$0	$0	$0	$90,047	$90,047
ECWRF Related	Replace Forklift	2041	2024	$0	$58,437	$58,437	$0	$0	$0	$0	$58,437	$58,437
ECWRF Related	Replace Snow Mower/Blower	2041	2024	$0	$77,916	$77,916	$0	$0	$0	$0	$77,916	$77,916
Vehicles and Equipment	Replace F-350 (4) Net	2041	2025	$0	$103,014	$103,014	$0	$0	$0	$0	$103,014	$103,014
Vehicles and Equipment	Replace Jet Truck (2) Net	2041	2025	$0	$702,368	$702,368	$0	$0	$0	$0	$702,368	$702,368
Vehicles and Equipment	Replace Vehicle V-57	2041	2025	$0	$93,649	$93,649	$0	$0	$0	$0	$93,649	$93,649
Computer Related	Collection Dept. Computer Upgrade	2042	2025	$0	$48,698	$48,698	$0	$0	$0	$0	$48,698	$48,698
Collection System Related - replacement	Collections Maintenance Eng. Projects	2042	2025	$0	$973,950	$973,950	$0	$178,233	$178,233	$0	$795,717	$795,717
Collection System Related	Replace Off Road TV Unit	2042	2025	$0	$340,883	$340,883	$0	$0	$0	$0	$340,883	$340,883
Vehicles and Equipment	Replace TV Van	2042	2025	$0	$457,757	$457,757	$0	$0	$0	$0	$457,757	$457,757
Vehicles and Equipment	ReplaceF-550 (2) Net	2042	2025	$0	$146,093	$146,093	$0	$0	$0	$0	$146,093	$146,093
Collection System Related - rehabilitation	System Renewal - Collection Projects	2042	2025	$0	$2,532,271	$2,532,271	$0	$463,406	$463,406	$0	$2,068,865	$2,068,865
LAN Computer Related	Network Infrastructure	2042	2025	$0	$58,437	$58,437	$0	$0	$0	$0	$58,437	$58,437
Collection System Related - replacement	6" Bypass Pump & Trailer (1)	2043	2025	$0	$202,582	$202,582	$0	$0	$0	$0	$202,582	$202,582
Collection System Related - replacement	6" Bypass Pump & Trailer (2)	2043	2025	$0	$202,582	$202,582	$0	$0	$0	$0	$202,582	$202,582
Collection System Related - replacement	6" Bypass Pump & Trailer (3)	2043	2025	$0	$202,582	$202,582	$0	$0	$0	$0	$202,582	$202,582
Engineering Related	Flow Monitoring	2043	2025	$0	$32,413	$32,413	$0	$16,207	$16,207	$0	$16,207	$16,207
LAN Computer Related	Network Infrastructure	2043	2025	$0	$60,774	$60,774	$0	$0	$0	$0	$60,774	$60,774
Collection System Related - replacement	Collections Maintenance Eng. Projects	2044	2025	$0	$1,053,425	$1,053,425	$0	$169,601	$169,601	$0	$883,823	$883,823
Collection System Related - rehabilitation	Park View PS	2044	2025	$0	$31,603	$31,603	$0	$0	$0	$0	$31,603	$31,603
Collection System Related - rehabilitation	Promontory #3 PS Pumps	2044	2025	$0	$305,493	$305,493	$0	$0	$0	$0	$305,493	$305,493
Collection System Related	Replace F-150 (1) Net	2044	2025	$0	$115,877	$115,877	$0	$0	$0	$0	$115,877	$115,877
Vehicles and Equipment	Replace F-350 (1) net	2044	2025	$0	$115,877	$115,877	$0	$0	$0	$0	$115,877	$115,877
Vehicles and Equipment	Replace F-350 (2) Net	2044	2025	$0	$115,877	$115,877	$0	$0	$0	$0	$115,877	$115,877
Vehicles and Equipment	Replace F-550 (3) Net	2044	2025	$0	$158,014	$158,014	$0	$0	$0	$0	$158,014	$158,014
Collection System Related - rehabilitation	System Renewal - Collection Projects	2044	2025	$0	$2,738,904	$2,738,904	$0	$440,964	$440,964	$0	$2,297,940	$2,297,940
LAN Computer Related	Network Infrastructure	2044	2025	$0	$105,342	$105,342	$0	$0	$0	$0	$105,342	$105,342
Engineering Related	Replace GPS Unit	2044	2025	$0	$73,740	$73,740	$0	$0	$0	$0	$73,740	$73,740
Vehicles and Equipment	Replace Off Road Jetter	2045	2025	$0	$208,157	$208,157	$0	$0	$0	$0	$208,157	$208,157
Vehicles and Equipment	Replace Polaris Utility Vehicle with Trailer	2045	2025	$0	$76,689	$76,689	$0	$0	$0	$0	$76,689	$76,689
Vehicles and Equipment	Replace Track Loader (1)	2045	2025	$0	$197,201	$197,201	$0	$0	$0	$0	$197,201	$197,201
Collection System Related - rehabilitation	Summit Park #4 PS Rebuild	2045	2025	$0	$876,449	$876,449	$0	$0	$0	$0	$876,449	$876,449
Collection System Related - rehabilitation	Summit Park #6 PS, Rebuild	2045	2025	$0	$876,449	$876,449	$0	$0	$0	$0	$876,449	$876,449
Collection System Related - rehabilitation	Trunk Line Support Facility Rebuild	2045	2025	$0	$383,447	$383,447	$0	$57,517	$57,517	$0	$325,930	$325,930
Engineering Related	Large Format Scanner	2045	2025	$0	$43,822	$43,822	$0	$0	$0	$0	$43,822	$43,822
LAN Computer Related	Network Infrastructure	2045	2025	$0	$65,734	$65,734	$0	$0	$0	$0	$65,734	$65,734
Computer Related	Collection Dept. Computer Upgrade	2046	2025	$0	$22,788	$22,788	$0	$0	$0	$0	$22,788	$22,788

Source—*SBWRD CIP*, from the January 2025 SBWRD financial plan.

Table 15—SBWRD Capital Improvement Plan

SBWRD CAPITAL IMPROVEMENT PLAN 2023 to 2032 **2027 Construction Start - Model is Solved**

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Project Description		BUILD Year	COST ESTIMATE Year	CIP (constant $s)			IFFP (constant $s)			Non-IFFP (constant $s)		
				New Const. Projects	Other Capital Projects	Total	New Const. Projects	Other Capital Projects	Total	New Const. Projects	Other Capital Projects	Total
Collection System Related - replacement	Collections Maintenance Eng. Projects	2046	2025	$0	$1,139,384	$1,139,384	$0	$158,374	$158,374	$0	$981,010	$981,010
Vehicles and Equipment	Replace F-350 (5) Net	2046	2025	$0	$125,332	$125,332	$0	$0	$0	$0	$125,332	$125,332
Vehicles and Equipment	Replace F-550 (1) Net	2046	2025	$0	$170,908	$170,908	$0	$0	$0	$0	$170,908	$170,908
Vehicles and Equipment	Replace Jet Truck (1) Net	2046	2025	$0	$854,538	$854,538	$0	$0	$0	$0	$854,538	$854,538
Collection System Related - rehabilitation	Spring Creek Lift Station Rebuild	2046	2025	$0	$501,329	$501,329	$0	$0	$0	$0	$501,329	$501,329
Collection System Related - rehabilitation	System Renewal - Collection Projects	2046	2025	$0	$2,962,398	$2,962,398	$0	$411,773	$411,773	$0	$2,550,625	$2,550,625
LAN Computer Related	Network Infrastructure	2046	2025	$0	$72,921	$72,921	$0	$0	$0	$0	$72,921	$72,921
Computer Related	Collection Dept. Computer Upgrade	2047	2025	$0	$23,699	$23,699	$0	$0	$0	$0	$23,699	$23,699
Collection System Related - rehabilitation	Promontory Asphalt	2047	2025	$0	$71,098	$71,098	$0	$0	$0	$0	$71,098	$71,098
Vehicles and Equipment	Replace F-350 (3) Net	2047	2025	$0	$130,346	$130,346	$0	$0	$0	$0	$130,346	$130,346
Vehicles and Equipment	Replace Jet Truck (2) Net	2047	2025	$0	$888,720	$888,720	$0	$0	$0	$0	$888,720	$888,720
Engineering Related	Flow Monitoring	2047	2025	$0	$37,919	$37,919	$0	$18,959	$18,959	$0	$18,959	$18,959
LAN Computer Related	Network Infrastructure	2047	2025	$0	$71,098	$71,098	$0	$0	$0	$0	$71,098	$71,098
Vehicles and Equipment	Replace Vehicle V-45	2047	2025	$0	$118,496	$118,496	$0	$0	$0	$0	$118,496	$118,496
Vehicles and Equipment	Replace Vehicle V-68	2047	2025	$0	$118,496	$118,496	$0	$0	$0	$0	$118,496	$118,496
Vehicles and Equipment		2048	2025	$0	$579,208	$579,208	$0	$0	$0	$0	$579,208	$579,208
Collection System Related - replacement	25' Low Flatbed Trailer	2048	2025	$0	$64,083	$64,083	$0	$0	$0	$0	$64,083	$64,083
Collection System Related - replacement	Collections Maintenance Eng. Projects	2048	2025	$0	$1,232,358	$1,232,358	$0	$144,186	$144,186	$0	$1,088,172	$1,088,172
Collection System Related - rehabilitation	Promontory #1 PS Pumps	2048	2025	$0	$172,530	$172,530	$0	$0	$0	$0	$172,530	$172,530
Vehicles and Equipment	Replace Dump Truck (1)	2048	2025	$0	$295,766	$295,766	$0	$0	$0	$0	$295,766	$295,766
Collection System Related	Replace F-150 (2) Net	2048	2025	$0	$135,559	$135,559	$0	$0	$0	$0	$135,559	$135,559
Vehicles and Equipment	Replace Off Road Jetter	2048	2025	$0	$184,854	$184,854	$0	$0	$0	$0	$184,854	$184,854
Collection System Related - rehabilitation	System Renewal - Collection Projects	2048	2025	$0	$3,204,130	$3,204,130	$0	$374,883	$374,883	$0	$2,829,247	$2,829,247
LAN Computer Related	Network Infrastructure	2048	2025	$0	$73,941	$73,941	$0	$0	$0	$0	$73,941	$73,941
Engineering Related	Replace Plotter	2048	2025	$0	$24,647	$24,647	$0	$0	$0	$0	$24,647	$24,647
Vehicles and Equipment	Replace Vehicle V-52	2048	2025	$0	$123,236	$123,236	$0	$0	$0	$0	$123,236	$123,236
Collection System Related - rehabilitation	Promontory #2 PS Pumps	2049	2025	$0	$243,514	$243,514	$0	$0	$0	$0	$243,514	$243,514
Collection System Related - rehabilitation	Pump Station SCADA Upgrade	2049	2025	$0	$256,330	$256,330	$0	$27,171	$27,171	$0	$229,159	$229,159
LAN Computer Related	Network Infrastructure	2049	2025	$0	$76,899	$76,899	$0	$0	$0	$0	$76,899	$76,899
Vehicles and Equipment	Replace Vehicle V-57	2049	2025	$0	$128,165	$128,165	$0	$0	$0	$0	$128,165	$128,165
Computer Related	Collection Dept. Computer Upgrade	2050	2025	$0	$66,646	$66,646	$0	$0	$0	$0	$66,646	$66,646
Collection System Related - replacement	Collection System Shop	2050	2025	$2,665,836	$0	$2,665,836	$255,920	$0	$255,920	$2,409,916	$0	$2,409,916
Collection System Related - replacement	Collections Maintenance Eng. Projects	2050	2025	$0	$1,332,918	$1,332,918	$0	$127,960	$127,960	$0	$1,204,958	$1,204,958
Collection System Related - rehabilitation	Jeremy Ranch PS Complete Rebuild	2050	2025	$0	$1,466,210	$1,466,210	$0	$0	$0	$0	$1,466,210	$1,466,210
Vehicles and Equipment	Replace Backhoe	2050	2025	$0	$266,584	$266,584	$0	$0	$0	$0	$266,584	$266,584
Vehicles and Equipment	Replace F-550 (2) Net	2050	2025	$0	$199,938	$199,938	$0	$0	$0	$0	$199,938	$199,938
Collection System Related	Replace Off Road TV Unit	2050	2025	$0	$466,521	$466,521	$0	$0	$0	$0	$466,521	$466,521
Vehicles and Equipment	Replace Track Loader (2)	2050	2025	$0	$239,925	$239,925	$0	$0	$0	$0	$239,925	$239,925
Collection System Related - rehabilitation	System Renewal - Collection Projects	2050	2025	$0	$3,465,587	$3,465,587	$0	$332,696	$332,696	$0	$3,132,891	$3,132,891
Engineering Related	Replace GPS Unit	2050	2025	$0	$93,304	$93,304	$0	$0	$0	$0	$93,304	$93,304
LAN Computer Related		2050	2025	$0	$133,292	$133,292	$0	$0	$0	$0	$133,292	$133,292
Collection System Related - rehabilitation	Promontory #4 PS Pumps	2051	2025	$0	$485,182	$485,182	$0	$0	$0	$0	$485,182	$485,182
Vehicles and Equipment	Replace F-350 (4) Net	2051	2025	$0	$152,486	$152,486	$0	$0	$0	$0	$152,486	$152,486
Engineering Related	Flow Monitoring	2051	2025	$0	$44,360	$44,360	$0	$22,180	$22,180	$0	$22,180	$22,180
LAN Computer Related	Network Infrastructure	2051	2025	$0	$88,719	$88,719	$0	$0	$0	$0	$88,719	$88,719
Collection System Related - replacement	Collections Maintenance Eng. Projects	2052	2025	$0	$1,441,684	$1,441,684	$0	$108,126	$108,126	$0	$1,333,558	$1,333,558
Collection System Related - rehabilitation	Park View PS Pumps	2052	2025	$0	$43,251	$43,251	$0	$18,598	$18,598	$0	$24,653	$24,653
Collection System Related - rehabilitation	Promontory #5 PS Pumps	2052	2025	$0	$634,341	$634,341	$0	$0	$0	$0	$634,341	$634,341

Source—*SBWRD CIP*, from the January 2025 SBWRD financial plan.

Table 16—SBWRD Capital Improvement Plan

SBWRD CAPITAL IMPROVEMENT PLAN 2023 to 2032 **2027 Construction Start - Model is Solved**

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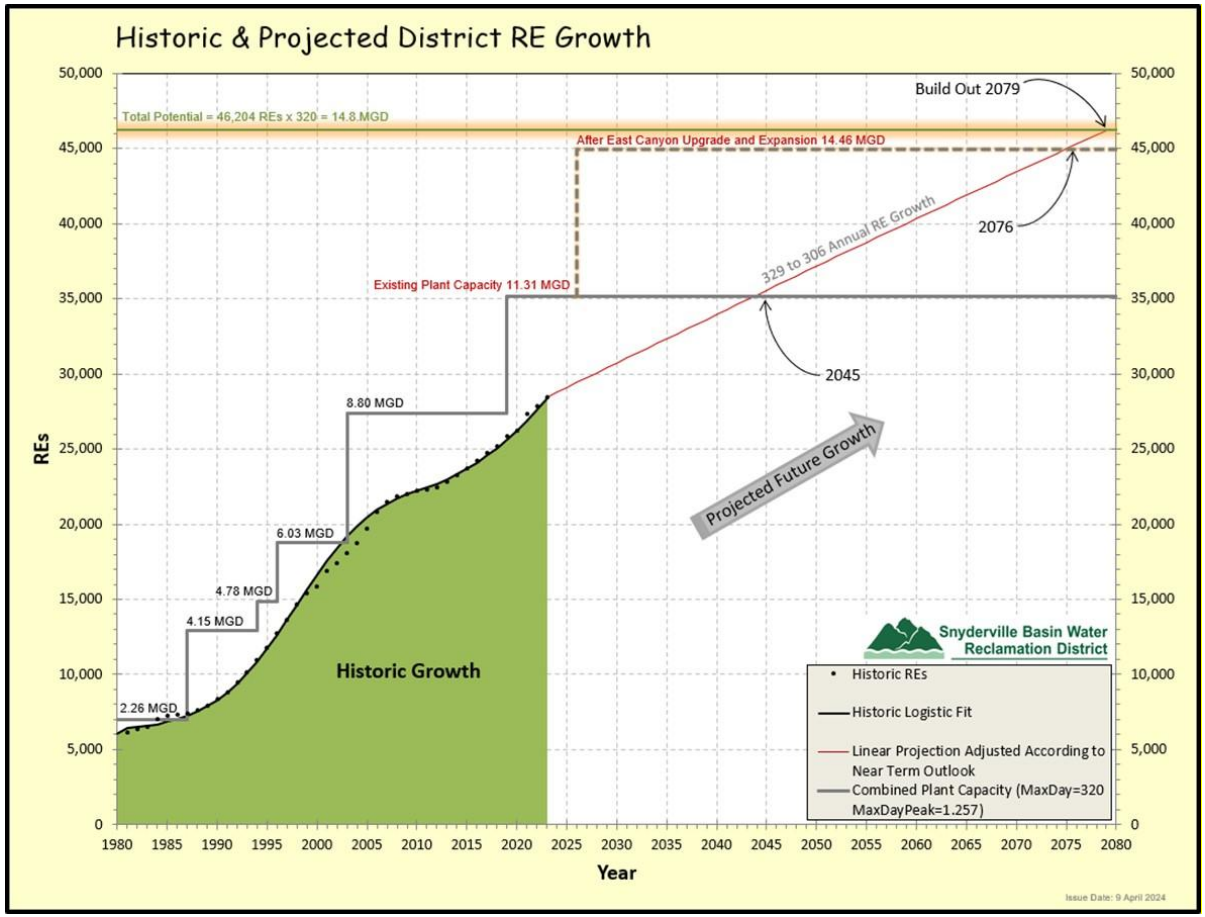
Project Description		BUILD Year	COST ESTIMATE Year	CIP (constant $s)			IFFP (constant $s)			Non-IFFP (constant $s)		
				New Const. Projects	Other Capital Projects	Total	New Const. Projects	Other Capital Projects	Total	New Const. Projects	Other Capital Projects	Total
Collection System Related	Replace F-150 (1) Net	2052	2025	$0	$158,585	$158,585	$0	$0	$0	$0	$158,585	$158,585
Vehicles and Equipment	Replace F-550 (3) Net	2052	2025	$0	$216,253	$216,253	$0	$0	$0	$0	$216,253	$216,253
Vehicles and Equipment	Replace Jet Truck (1) Net	2052	2025	$0	$1,081,263	$1,081,263	$0	$0	$0	$0	$1,081,263	$1,081,263
Collection System Related - rehabilitation	System Renewal - Collection Projects	2052	2025	$0	$3,748,379	$3,748,379	$0	$281,128	$281,128	$0	$3,467,251	$3,467,251
LAN Computer Related	Network Infrastructure	2052	2025	$0	$86,501	$86,501	$0	$0	$0	$0	$86,501	$86,501
Vehicles and Equipment	Replace Jet Truck (2) Net	2053	2025	$0	$1,124,514	$1,124,514	$0	$0	$0	$0	$1,124,514	$1,124,514
Engineering Related	Large Format Scanner	2053	2025	$0	$59,974	$59,974	$0	$0	$0	$0	$59,974	$59,974
LAN Computer Related	Network Infrastructure	2053	2025	$0	$89,961	$89,961	$0	$0	$0	$0	$89,961	$89,961
Collection System Related - replacement	22' Tiltbed Trailer	2054	2025	$0	$49,898	$49,898	$0	$0	$0	$0	$49,898	$49,898
Computer Related	Collection Dept. Computer Upgrade	2054	2025	$0	$77,966	$77,966	$0	$0	$0	$0	$77,966	$77,966
Collection System Related - replacement	Collections Maintenance Eng. Projects	2054	2025	$0	$1,559,326	$1,559,326	$0	$85,763	$85,763	$0	$1,473,563	$1,473,563
Vehicles and Equipment	Replace F-350 (1) net	2054	2025	$0	$171,526	$171,526	$0	$0	$0	$0	$171,526	$171,526
Vehicles and Equipment	Replace F-350 (2) Net	2054	2025	$0	$171,526	$171,526	$0	$0	$0	$0	$171,526	$171,526
Vehicles and Equipment	Replace F-550 (1) Net	2054	2025	$0	$233,899	$233,899	$0	$0	$0	$0	$233,899	$233,899
Collection System Related - rehabilitation	System Renewal - Collection Projects	2054	2025	$0	$4,054,247	$4,054,247	$0	$222,984	$222,984	$0	$3,831,263	$3,831,263
LAN Computer Related	Network Infrastructure	2054	2025	$0	$93,560	$93,560	$0	$0	$0	$0	$93,560	$93,560
Collection System Related - replacement	Push Camera	2055	2025	$0	$32,434	$32,434	$0	$0	$0	$0	$32,434	$32,434
Vehicles and Equipment	Replace Polaris Utility Vehicle With Trailer	2055	2025	$0	$113,519	$113,519	$0	$0	$0	$0	$113,519	$113,519
Vehicles and Equipment	Replace Track Loader (1)	2055	2025	$0	$291,906	$291,906	$0	$0	$0	$0	$291,906	$291,906
Collection System Related - rehabilitation	Summit Park #4 PS Rebuild	2055	2025	$0	$324,340	$324,340	$0	$0	$0	$0	$324,340	$324,340
Collection System Related - rehabilitation	Summit Park #6 PS, Rebuild	2055	2025	$0	$324,340	$324,340	$0	$0	$0	$0	$324,340	$324,340
LAN Computer Related	Network Infrastructure	2055	2025	$0	$97,302	$97,302	$0	$0	$0	$0	$97,302	$97,302
Vehicles and Equipment	Replace Vehicle V-45	2055	2025	$0	$162,170	$162,170	$0	$0	$0	$0	$162,170	$162,170
Vehicles and Equipment	Replace Vehicle V-68	2055	2025	$0	$162,170	$162,170	$0	$0	$0	$0	$162,170	$162,170
Collection System Related - replacement	Collections Maintenance Eng. Projects	2056	2025	$0	$1,686,567	$1,686,567	$0	$60,716	$60,716	$0	$1,625,850	$1,625,850
Vehicles and Equipment	Replace F-350 (5) Net	2056	2025	$0	$185,522	$185,522	$0	$0	$0	$0	$185,522	$185,522
Collection System Related - rehabilitation	System Renewal - Collection Projects	2056	2025	$0	$4,385,073	$4,385,073	$0	$157,863	$157,863	$0	$4,227,211	$4,227,211
LAN Computer Related	Network Infrastructure	2056	2025	$0	$101,194	$101,194	$0	$0	$0	$0	$101,194	$101,194
Computer Related	Collection Dept. Computer Upgrade	2057	2025	$0	$35,081	$35,081	$0	$0	$0	$0	$35,081	$35,081
Vehicles and Equipment	Replace F-350 (3) Net	2057	2025	$0	$192,943	$192,943	$0	$0	$0	$0	$192,943	$192,943
Vehicles and Equipment	Replace Vehicle V-57	2057	2025	$0	$175,403	$175,403	$0	$0	$0	$0	$175,403	$175,403
Computer Related	Collection Dept. Computer Upgrade	2058	2025	$0	$36,484	$36,484	$0	$0	$0	$0	$36,484	$36,484
Collection System Related - replacement	Collections Maintenance Eng. Projects	2058	2025	$0	$1,824,191	$1,824,191	$0	$31,011	$31,011	$0	$1,793,179	$1,793,179
Vehicles and Equipment	Replace F-550 (2) Net	2058	2025	$0	$273,629	$273,629	$0	$0	$0	$0	$273,629	$273,629
Collection System Related - rehabilitation	System Renewal - Collection Projects	2058	2025	$0	$4,742,895	$4,742,895	$0	$80,629	$80,629	$0	$4,662,266	$4,662,266
Collection System Related - replacement	Collections Maintenance Eng. Projects	2060	2025	$0	$1,973,044	$1,973,044	$0	$0	$0	$0	$1,973,044	$1,973,044
Vehicles and Equipment	Replace F-550 (3) Net	2060	2025	$0	$295,957	$295,957	$0	$0	$0	$0	$295,957	$295,957
Vehicles and Equipment	Replace Track Loader (2)	2060	2025	$0	$355,148	$355,148	$0	$0	$0	$0	$355,148	$355,148
Collection System Related - rehabilitation	System Renewal - Collection Projects	2060	2025	$0	$5,129,916	$5,129,916	$0	$0	$0	$0	$5,129,916	$5,129,916
Collection System Related - rehabilitation	Park View PS Complete	2072	2025	$0	$789,727	$789,727	$0	$0	$0	$0	$789,727	$789,727

Source—*SBWRD CIP*, from the January 2025 SBWRD financial plan.

Capacity Demand Projection

Figure 2 illustrates the district's growth and capacity demand plan. The calculation methodology and the estimating assumptions are described on page 20.

Figure 2—Growth and Capacity Expansion – Actual and Projected



Source—SBWRD staff.

Annual new system capacity demand is summarized below.

Table 17—Projected Growth & Capacity Demand—2025 to 2074

PROJECTED GROWTH & CAPACITY DEMAND (REs)

2025 SBWRD Impact Fee Analysis

	Capacity Demand (RE)		
	Total	New Development	
2024	28,756		
2025	29,095	339	
2026	29,433	339	
2027	29,772	338	
2028	30,109	338	
2029	30,446	337	
2030	30,783	337	
2031	31,120	336	
2032	31,456	336	
2033	31,792	336	
2034	32,127	335	
2035	32,462	335	
2036	32,796	334	
2037	33,130	334	
2038	33,464	334	
2039	33,797	333	
2040	34,130	333	
2041	34,462	332	
2042	34,794	332	
2043	35,126	332	
2044	35,457	331	
2045	35,788	331	
2046	36,119	330	
2047	36,449	330	
2048	36,778	330	
2074	44,922	8,144	(2049 to 2074)
Total		16,166	

Source—SBWRD staff

Growth Projection Methodology

The following, prepared by SBWRD staff, is a discussion of modeling assumptions and methodology that underlie the growth projection and capacity expansion plan shown in Figure 2 and Table 17.

Modeling assumptions and methodology used by the Snyderville Basin Water Reclamation District to predict future demand for service

The Snyderville Basin Water Reclamation District expects to expand and upgrade the district's wastewater reclamation facilities and collection system to accommodate future increases in wastewater volumes due to service area population and visitation growth.

1. The Park City area is a destination mountain resort community that attracts a visitor and seasonal worker population that varies seasonally and annually. In addition, the area supports a growing base population that consists of a bedroom community that commutes to and from nearby towns, including Salt Lake City, for work; full-time residents who live and work in the area; and full-time retired and part-time residents. About 62 percent of the homes within the district are second homes. Development growth within the district is correlated with both regional population growth and visitation. Although development growth, measured by REs (Residential Equivalents), will, at times, correlate with the regional population growth of the Wasatch Front and Back, RE growth within the District's service area will generally be less than regional population growth because (a) development and visitation growth will be slowed by unpredictable economic downturns, such as occurred during the economic downturn of December 2007—June 2009 (the great recession) and the COVID-19 pandemic of 2020, while regional population growth will continue to grow, (b) water conservation will reduce per capita consumption and (c) development growth will be constrained over the long run by the potential for development (availability and desirability of remaining land).

2. The potential for development is based on current master planning (primarily from Snyderville Basin Planning Commission and Developer information) and land use zoning densities designated by Summit County and Park City.

3. The growth curve used is the district's best professional assessment under current and anticipated future conditions. Given the recent acceleration, and anticipated deceleration, of growth due to: (1) the ups and downs of COVID-19, (2) a shift to remote work that has increased the desirability to live in Park City and (3) the potential for a near- to intermediate-term economic recession/slowdown, the District is not currently using an objective statistical model that depends on a static growth paradigm for estimating future growth as in the past. The formal logistic model that was used in the past requires a more predictable growth pattern based on exponential growth, which the district does not expect for the next five to ten years. Instead, the District used actual growth for the eight years prior to, and through, 2023 to generate a conservative estimate for 2024, with a linear decline (i.e., damping, described in 4 below) applied after that, all the way through to build out, in 2079 to account for expected slowing of growth due to the long-term effects of availability and desirability of dwindling land supply. Year 2021 was excluded because it was considerably larger (outlier of 1086 REs) than the eight year's trend through 2023. Year 2024 was fixed at 329 REs, with gradual decreases beginning in 2025 that includes the steady linear decline.

4. The damping begins in 2025 with an estimated annual growth decline from 329 REs to 327.8 REs. The damping continues through to projected build out in 2079. In addition to the damping, the growth rates at East Canyon and Silver Creek must be modified, linearly, to match the change in current percent compositions to what they are projected to be at build out in 2079. Specifically,

the area above the splitter currently comprises 25.2% of REs. In 2079 the area above the splitter is projected to decline to 20.4%. East Canyon, below the splitter, currently comprises 51.7% and is projected to decline to 49.5%. Silver Creek, below the splitter, is currently at 23.1% and is projected to increase to 30.1%.

5. It is important to note that the validity of the growth model is dependent on the above stated assumptions and must be modified as conditions require. For example, any annexation(s) to the district or fundamental change in zoning will require modifications to the growth model. Other significant events, such as economic down turns, changes in water availability or change in Park City area appeal, perhaps due to competition from another nearby resort/bedroom community or change in perception due to some unanticipated event, would require model modifications.

Impact Fee for Public Schools, Private and Charter Schools (collectively "Schools")

The foregoing capacity demand projection includes not only residential and commercial demand, but also demand from schools – public schools, private and charter schools. Table 18 details schools demand – past number of REs and impact fees paid, and projected future demand, to the extent known. The estimate of future added capacity demand from schools is incomplete. It does not show all likely future demand because many schools have not communicated their construction and expansion plans to the district. The list will be updated, and the actual cost of school capacity demand estimated again, as information becomes available. Any additional capacity demand from schools will increase capital spending as it is now projected.

Table 18—Schools Impact Fees

PUBLIC, PRIVATE AND CHARTER SCHOOLS - SBWRD CAPACITY DEMAND
Existing and Known Future SBWRD Capacity Demand (REs)

School Name	Impact Fees Paid in the Past			Known Future REs
	Amount	Date Paid	REs	
Park City High School			0.50	
			20.79	4.00
	$69,638	6/20/2023	5.29	
	$502	6/20/2003	0.10	
Treasure Mountain Junior High School			7.40	1.50
	$502	6/20/2003	0.10	
Ecker Hill Middle School			48.40	10.00
	$113,999	8/28/2003	22.70	
Jeremy Ranch Elementary	waived		5.10	1.00
	$18,287	6/13/2022	1.66	
Bus Garage	$12,600	10/7/1999	2.80	0.50
			7.00	
Trailside Elementary	$12,000	5/29/2001	2.50	1.00
	$17,476	not paid yet	1.30	
McPolin Elementary			8.00	1.50
Parley's Park Elementary			5.68	1.00
	$16,275	2/7/2000	3.50	
	$7,797	1/25/2024	0.58	
Park City School District Admin Building	$13,020	3/17/1997	3.10	0.50
	($4,934)	10/8/1999	(1.10)	
Park City Learning Center			0.67	
Weilenmann School of Discovery (Charter)	$22,586	12/28/2009	3.58	1.00
Silver Summit Academy (South Summit)	$4,874	6/14/2002	1.00	0.50
	$7,028	11/10/2017	0.88	
	$5,361	6/14/2002	1.10	0.50
Vacant Parcel				5.00
Vacant Parcel				5.00
Vacatnt Parcel (South Summit)				4.00
Total	$317,011		153	37
Future Impact Fee Revenue				
2025 Impact Fee (Q3)				13,772
Total Future Revenue				$509,559

Source—SBWRD staff

In addition to public schools, private schools have the potential to present demand for added system capacity. There are a significant number of private schools in the district, and as the district is notified of their expansion plans, and as new private schools are brought on line, capital spending and the cost of the IFFP will increase.

Table 19—Private Schools Within the SBWRD Service Area

PRIVATE SCHOOLS IN SBWRD SERVICE AREA 2025 SBWRD Impact Fee Analysis	
School Name	
1	The Winter Sports School
2	Park City Day School
3	SAIL Academy
4	Park City Montessori
5	Telos Classical Academy
6	Another Way School
7	Creekside Kids Academy
8	The PEEK Program
9	Soaring Wings International Montessori School
10	Little Miners Montessori
11	Open Air Art Space, LLC
12	The Shining Stars School

Source—SBWRD staff

As shown in Table 18, schools have in the past paid $317,011 in impact fees. In the future they are planned, at a minimum, to pay $509,559.[14] School impact fees offset the cost of added schools capacity demand in the same way that residential and commercial impact fees offset the cost of their new demand. New capacity for schools cannot be funded by other new development. Impact fee law requires that any unit (RE) of new development pay no more than its proportionate share of the cost of requisite new capacity. New school capacity directly results in a need for additional system improvements for which the impact fee is imposed; and the impact fee is calculated to cover only the school's proportionate share of the cost of those additional system improvements. A subsidy to schools would be disproportionate, and is not allowed. If schools do not pay their fair share, the district must charge that cost to existing system users. This is inequitable because existing users paid for their capacity, by means of past impact fees. If the cost of capacity for schools is shifted to existing users, the method would be to implement an additional line item on the monthly sewer bill. The line item would necessarily identify the cost as capacity used by, but not paid for, by schools.

System Level of Service Standard

LOS refers to the system service standard. The SBWRD service standard is the same for existing users and new development. The LOS is expressed as capacity demand per RE, and is 320 gpd per RE, peak day.[15] Peak Day is used to quantify the standard because wastewater systems are sized based on peak demand. The LOS of 320 gpd is derived from actual capacity per unit demand, measured over a period of the last 24 years.[9]

System capacity (summarized in Table 2) is calculated as the product of nominal capacity and a peaking factor of 1.25. The peaking factor is an engineered design parameter that allows for the system to meet demand higher than nominal capacity, during temporary periods of higher than normal demand.

REQUIRED PROVISIONS OF AN IFFP

The Impact Fees Act requires that certain criteria be considered in an IFFP.[16] The criteria are addressed in the foregoing analysis, and are restated here in context of the Act, for convenience.

Identify the existing level of service (LOS) [17]—The LOS is 320 gpd per RE peak day demand. The LOS is discussed in the sections *2025 Capacity Expansion Plan* on page 4 and *Level of Service Standard* on page 22.

Establish a proposed level of service[18]—the proposed LOS is the same as the current LOS—320 GPD per RE peak day demand. The section *2025 Capacity Expansion Plan* on page 4 and *Level of Service Standard* on page 22 include a discussion of the proposed LOS.

Identify any existing available capacity[19]—existing facilities (ECWRF and SCWRF) have available capacity, built in the past to meet demand from future new development. Existing capacity will meet about 40% of new demand (6,400 out of a total of 16,166 new development REs). The capacity analysis is detailed in Table 4 on page 6.

Identify the demands placed on existing public facilities by new development[20]—total demand from new development is 16,166 REs. 6,400 REs will use existing capacity. The remainder, 9,766 REs, will use upcoming new capacity at ECWRF. Demand from new development is detailed in Table 4 on page 6.

Identify the means by which demand from new development will be accommodated[21]—demand from new development will be met in two ways: 1) 2.5 MGD capacity expansion at ECWRF; and 2), use of available capacity at both the ECWRF and SCWRF facilities. This is detailed in Table 4 on page 6

LIST OF ABBREVIATIONS

IFFP—Impact Fee Facilities Plan

IFWA—Impact Fee Written Analysis

RE—Residential Equivalent unit of capacity demand

LOS—Level of Service standard

CIP—Capital Improvement Plan

MGD—million gallons per day (system capacity).

gpd—gallons per day (demand per RE)

ENDNOTES

[1] This analysis is based on demand planning, financial analysis and estimating assumptions provided by SBWRD staff. This includes revenue, expenses, debt, capital spending, and the new development share of capital spending, by project.

[2] U.C.A §11-36a.

[3] Delineation of an impact fee service area is governed by U.C.A. §11-36a-102(19) and 11-36a-402(1)(a).

[4] System capacity, and the amount of the impact fee, are calculated in terms of residential equivalent (RE) demand units. The SBWRD *Impact Fee Enactment* defines an RE. One RE means a residential unit with three living sections, that has 320 gpd peak day system capacity demand. The impact fee for a residential unit with three living sections is the impact fee for one RE. 320 gpd per RE peak day capacity demand is the district's demand planning standard and is the LOS used to calculate impact fees. Capacity demand is based on average demand by property category, because impact fee calculation is held to a standard of average, rather than case specific analysis.

[5] 2074 is the year of 100% capacity utilization for the subject capital facilities including available existing and new capacity.

[6] U.C.A §11-36a-305 (2).

[7] Allowable capital improvements are defined by U.C.A §11-36a-102(17)(b). Minimum lifespan of the facilities is from U.C.A §11-36a-102(17). Allowable costs are from U.C.A §11-36a-305.

[8] System improvements are defined by the Impact Fees Act—U.C.A §11-36a-102(24). System improvements are capital facilities that provide service to the impact fee service area. This is as distinct from project improvements, which provide service to a particular new development.

[9] The LOS is peak day demand actual demand, measured over a period of the last 24 years. Measured demand is 322.55 gpd per RE. The district uses an LOS and capacity planning standard of 320 gpd per RE. This analysis uses the same standard to calculate the impact fee. The district uses a fixed, 320 gpd planning standard because it is consistent with actual measured demand, and allows for consistent capacity analysis and demand planning across time.

[10] U.C.A. §11-36a-302(2) and (3)—The local political subdivision "…shall generally consider all revenue sources including...grants, bonds, interfund loans, impact fees, and dedications…" and may only impose impact fees when the "…plan for financing system improvements establishes that impact fees are necessary to maintain a proposed level of service…". The SBWRD proposed level of service is the same as the existing level of service.

[11] SBWRD financial plan, January 2025.

[12] Expenses allowed by the Impact Fees Act U.C.A. §11-36a-305(1).

[13] The district employs an asset management plan known as GASB 34, that funds a capital facility maintenance program. This maintains the capital facilities at a consistent performance standard, and mitigates any service provision deficiency.

[14] This amount is understated because all projects are not known, and because the calculation is based on the 2025 impact fee, which is lower than the fee that will be charged at the time the projects are started.

[15] The district uses peak day and average demand (maximum 30-day demand) for capacity planning. Both are based on actual measured demand over a period of the last 24 years. This is standard engineering design practice for wastewater systems.

[16] U.C.A. §11-36a-302(1)(a)

[17] U.C.A. §11-36a-302(1)(a)(i)

[18] U.C.A. §11-36a-302(1)(a)(ii)

[19] U.C.A. §11-36a-302(1)(a)(iii)

[20] U.C.A. §11-36a-302(1)(a)(iv)

[21] U.C.A. §11-36a-302(1)(a)(v)-