TWIN CREEKS SPECIAL SERVICE DISTRICT WATER RESERVATION RATE POLICY RESOLUTION NO. 2021-02

RECITALS

WHEREAS, the Twin Creeks Special Service District (the "Twin Creeks") is a special service district established by the County Legislative Body of Wasatch County, Utah, pursuant to the provisions of Utah law, for the purpose of providing culinary and irrigation water delivery services within the boundaries of Twin Creeks; and

WHEREAS, pursuant to those goals and policies, Twin Creeks entered into a Water Reservation Agreement with the Jordanelle Special Service District ("JSSD") in order to reserve JSSD water for future growth within Twin Creeks,

WHEREAS, Twin Creeks allows others to reserve the water that Twin Creeks reserves from JSSD; and

WHEREAS, Twin Creeks passes its cost of reserving JSSD water on to those who reserve that water from Twin Creeks; and

WHEREAS, JSSD has raised the annual cost of reserving water to \$539.44 per acre foot.

NOW, THEREFORE, the Wasatch County Council, acting as the governing board of the District, hereby adopts this resolution:

- 1. As of the effective date of this resolution, the annual fee charged for any Water Reservation Agreement executed by Twin Creeks shall be \$539.44 per acre foot of water so reserved.
 - 2. This annual rate shall remain effective until the District revises such annual fee.

Resolution 2021-02 Approved and adopted this 12th day of October, 2021.

By:

District Board Chairman

Attest:

District Transurar

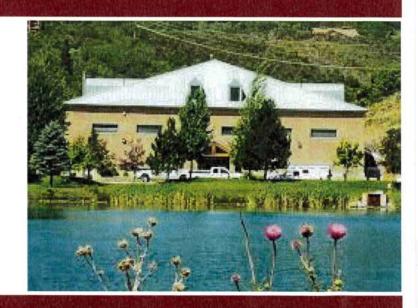
Jordanelle Special Service District





2022 Water Reservation Fee Update





Zions Public Finance, Inc. September 2021



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Water Reservation Fee Analysis Overview

Background

Zions Public Finance, Inc. has been engaged by the Jordanelle Special Service District (District) to update the Water Reservation Fee Analysis to account for the historic expenses incurred by the District to maintain reserve water supply and source capacity for the District's future property owners. The annual water reservation fee is charged to property owners within Jordanelle Special Service District, Twin Creeks Special Service District, and North Village Special Service District who wish to reserve water supply and source capacity in anticipation of future development. The District has the authority to periodically review and modify the reservation fee and plans to account for annual changes in costs.

The District must incur time and cost to keep existing water facilities in good condition and maintain owned and leased water rights for capacity for future growth including wells and the Ontario mine tunnel, which is the District's primary source of supply. The District also incurs administrative costs related to the maintenance and reservation of the water supply and water sources.

The costs included in this Reservation Fee Analysis are only O&M and supply costs and do not include capital costs to accommodate growth. Capital costs that are impact fee eligible, not considering supply costs, are included in the District's impact fee calculation. Maintenance, vehicle, equipment, or other non-impact fee eligible capital costs are included in the District's user rates and reservation fees.

Changes from Previous Water Reservation Fee Analysis

The primary change in the 2022 analysis is the shift from using the next year's budget to calculate the reservation fee to using the average of the past three year's expenses. Rather than planning around the 2022 budget, this analysis uses the average of the actual 2018-2020 O&M expenses.



Water Reservation Fee Cost Components

The water reservation fee calculation to determine the cost of maintaining and reserving water supply and capacity to serve the reserved rights is comprised of the following four components, as summarized in Appendix A:

1. Unused Capacity Acre Feet

The District has rights to a total of 12,848.29 acre feet of combined leased and owned water, as detailed in Appendix B. District Staff calculated the used water capacity amount of 1,649.23 AF, leaving 11,199.06 AF of unused capacity.

TABLE 1: ACRE FEET SUMMARY

	AF	% of Total
Total District AF	12,848.29	100.00%
Used Water Capacity AF	1,649.23	12.84%
Unused Capacity AF	11,199.06	87.16%

2. Unused Capacity Preservation (UCP) Operations & Maintenance

UCP O&M includes the District costs incurred to maintain the capacity in the sources and system for property owners with reserved rights. UCP O&M does not include the cost of the water rights, water lease payments, sewer service, service to other districts, or other water contract costs. UCP O&M also does not include the costs related to general operations or delivery of water to active users such as power supply and treatment.

District staff reports that \$3,542,633, of the District's three-year average annual expenses are related to UCP O&M, as shown in Appendix C. This cost, divided by the total remaining 11,199.06 AF, results in a fee of \$316.33.

TABLE 2: UNUSED CAPACITY PRESERVATION NON-SUPPLY O&M EXPENSE

	Non-Supply O&M Expense ¹	Cost per Unused Capacity AF
Water	\$1,785,134	\$159.40
Water Treatment Plant	\$1,757,499	\$156.93
Total Non-Supply O&M Allocated to UCP	\$3,542,633	\$316.33

Supply O&M – Lease Expense

The District leases 11,132.75 acre-feet of water from various sources. Lease payments are made each year. District staff calculated a three-year average leased cost of \$2,517,159, as shown in Appendix B.

TABLE 3: LEASED WATER O&M EXPENSE

	Leased Water O&M Expense	Total District AF	Leased O&M Expense Cost per AF
Annual Supply Expense	\$2,517,159	12,848.29	\$195.91



4. Supply O&M - Owned Water

The District owns water rights equal to 1,715.54 acre-feet. While the District owns the rights, the District incurs annual operational expenses and debt service payments to maintain the owned and leased water rights. The annual expenses include payments on bonds which were taken to pay for the purchase of the water rights. Additionally, a portion of the District supply-related operational costs, including a portion of salaries and wages, are used to maintain the water rights and the points of diversion for those rights, primarily the Ontario Tunnel. Appendix B lists the District owned water rights and the three-year average costs associated with each right. The costs associated with the District owned water rights and their source of supply is \$349,348.

TABLE 4: OWNED WATER O&M EXPENSE

	Owned Water O&M Expense	Total District AF	Owned O&M Expense Cost per AF
Annual Supply Expense	\$349,348	12,848.29	\$27.19

The combined budgeted cost of water supply for leased and owned rights is \$2,866,507. The portion of the annual water reservation fee attributed to the combined cost of water supply is \$223.10. The cost of maintaining the water rights and their source of supply are not part of the District's impact fee.

TABLE 5: SUMMARY OF LEASED AND OWNED WATER

	Owned Shares	Leased Shares	Totals
Annual Supply Expense	\$349,348	\$2,517,159	\$2,866,507
JSSD Supplies (AF)	1,715.54	11,132.75	12,848.29
Average Annual Cost per AF			\$223.10



Recommended Water Preservation Fee Structure

The District's costs to maintain and preserve the water supply and sources for the reserved rights is \$539.44 per acre-foot. The following table is a schedule of the cost breakdown by category and the current recommended annual water reservation fee per acre-foot of water.

TABLE 6: WATER RESERVATION FEE CALCULATION PER AF

	Water Reservation	AF Provided	Cost per AF
Unused Capacity Preservation O&M	\$3,542,633	11,199.06	\$316.33
Supply O&M – Lease Expense	\$2,517,159	12,848.29	\$195.91
Supply O&M – Owned Water	\$349,348	12,848.29	\$27.19
2022 Water Reservation Fee per AF			\$539.44



Appendix A – Water Reservation Fee Summary

	А	В	С		D	Е		F	
1	Acre Feet Summary								1
2		AF	% of Total						2
3	Total AF	12,848.29	100.00%]					3
4	District Usage	1,649.23	12.84%						4
5	Unused Capacity AF	11,199.06	87.16%						5
6									6
7									7
8	Water Reservation Fee	Calculation	per AF						8
9				Res	Water ervation (\$)	AF Provided		Cost per Af	9
10	Unused Capacity Preserva	ation O&M ¹		\$	3,542,633	11,199.06	\$	316.33	10
11	Supply O&M - Lease Expe	ense ²			2,517,159	12,848.29	\$	195.91	11
12	Supply O&M - Owned ²				349,348	12,848.29	\$	27.19	12
13	2022 Water Reservation F	ee per Af					\$	539.43	13
14	Unused Capacity Preserva estimated to be reasonab						199)	. This is	14
15	Supply O&M is divided by								15
16									16
					D	_			



Appendix B - Leased/Owned Supply O&M Detail

Sources	Owned/Leased	AF		Supply	Cost/AF	Owned		vned	Leased	L	eased
		STATE OF THE		Cost ¹		Water (AF)	C	ost	Water (AF)		Cost
Ontario Drain Tunnel	1	700.00		250 204	K-TH-M6		4	Mas.	700.00	4	200.00
leaver & Shingle Creek	Leased	700.00	\$	250,294	- 1		\$		700.00	55	250,294
alt Lake City Public Utilities	Leased	1,647.77		519,093				1.5	1,647.77		519,093
/IWD of SL & Sandy	Leased	3,295.55		104,232	1	2000			3,295.55		104,232
District's Ontario Tunnel Rights/Kee	t Owned	883.97				883.97					
Nine Costs							_				
JSSD Labor	Leased	3.5		419,672		**					419,672
Expenses	Leased			263,484	- 1			9.70	(0)		263,484
Capital Outlay	Leased	1+1		775A 75175A 75175				560	240		134
Depreciation	Leased	-		94,871			_	9.53			94,871
ntario Drain Tunnel Totals		6,527.30	\$	1,651,648	253.04	883.97	\$	-	5,643.32	\$1	,651,648
eservoir											3000
/CSSA#1 Contract 2018	Leased		*	275 450	7 7 7 7 7 7		\$			^	275 450
			\$	375,458			5	*		\$	375,458
CSSA#1 Contract 2 and M&I Delive eservoir Totals	Leased	1,816.00	\$	188,880 564,338	310.76	-	\$	-	1,816.00	\$	188,880 564,338
eservoir rotais		1,810.00	3	304,336	310.76		3	-	1,816.00	Þ	304,330
gricultural		R STIVE	100	3,36			10	1000	ALC: PROVIDE		ing co
upplemental irrigation	Leased	(4)			3		\$			\$	y.
UP supplemental	Leased	-		-							
gricultural Totals		2,500.00	\$	-	-		\$		2,500.00	\$	8
orth Field Irrigation				11.000	ALC: NO	- 1 T	4		1800		*
/illiam McNaughton	Leased	-	\$	41,022		,	\$		-	\$	41,022
orth Field	Leased			1,080					5#S		1,080
ost Hollow	Leased	-		76,684	*			-			76,684
eil P Probst	Leased			60,372		-		(+)			60,372
orth Field Irrigation Totals		757.26	\$	179,158	236.59	-	\$	-	757.26	\$	179,158
standar Indention			200				200		10.447.5		
ktension Irrigation	Leaned	50.00		15 400				155	60.00		45.400
ohn W. Lloyd Family Trust	Leased	60.00	\$	15,480	0		\$	-	60.00	\$	15,480
ktension/ Lost Acres	Leased	230.70		79,636	1			ः	230.70		79,636
ktension Irrigation Totals		290.70	\$	95,116	327.20		\$	-	290.70	\$	95,116
mpanogos Irrigation	The San			No. of		L WILLIAM	-	Son 1	0.53	100	NET !
mpanogos (2009 Bonds)	Owned	81.00	\$	741	9.15	81.00	\$	741	1.7	\$	
outh Kamas Irrigation					12500	100					
ssessment Expense	Owned		\$	31,572	-	V.387373	-845	31,572			
outh Kamas Irrigation (2003 Bonds)	Owned	660.56		317,035		660.56		7,035	-		
outh Kamas Irrigation Totals		660.56	\$	348,607	527.74	660.56	34	18,607		_	
ervices		Tana and time	104	orth America	decide 5 mil	JOSEPH MATERIAL PROPERTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PA	30	CONTRACT.		1150	0.15.00
tate Engineer/ Division of Water Ri	Leased		\$	777			\$			\$	777
tate Engineery Division of Water in	Leasea		~	- ///			7	_		7	7.7.
/ell	The state of the state of						201	No. of the		300	
rancis Smith	Leased	50.45	\$	13,016	258.00	-	\$		50.45	\$	13,016
/ayne Foy	Leased	75.02		13,106	-			-	75.02	\$	13,100
SSD WRF Site	Owned	90.00		-	-	90.00		-			, , , ,
eer Crest Well	Leased		1					-	-		
Vell Totals		215		26,122	258.00	90			125		26,122
otal Average		12,848.29	\$		\$ 223.10	1,715.54	\$34	19,348	11,132.75	\$2	
Costs include an inflation factor based	on the average Con		_				_			, , ,	, , , , , ,
	Owned Shares			Totals							
SSD Supplies (AF)	1,715.54	11,132.75		12,848.29							
	\$ 349,348	\$ 2,517,159	0.00	2,866,507							



Appendix C - Summary of Expenses

A	alu Oga	В	C	1110	D
Unused Capacity Preservation Non-Sup		M Expense	UCP AF %		JCP O&M
Water	\$	2,048,021	87.16%	\$	1,785,134
Water Treatment Plant		2,016,317	87.16%		1,757,499
Total Non-Supply O&M Allocated to UCP				\$	3,542,633

EXPENSE DETAIL (2018 - 2020 Average)

8		3 Year Average Historic Expenses		st to Other tricts/SAAs	Water ¹		Sewer and WRF		WTP ¹		Mine		Total
9 SALARIES	& WAGES	\$ 2,166,973	\$	505,054	\$ 690,260	\$	308,757	\$	406,126	\$	283,518	s	2,193,715
10 PAYROLL T	TAXES	154,306		36,997	49,344	1	21,097	1	28,900	1	19,877	7.	156,214
11 WORKERS	COMPENSATION	26,263		-	6,713	3	7,150		2,574	1	10,052		26,489
12 EMPLOYEE	BENEFITS	326,513		81,310	105,182	2	43,544		53,689		46,663		330,388
13 STATE RET	IREMENT	466,136		111,753	149,135	5	63,356		88,117		59,563		471,922
14 TRAVEL		16,190		1,826	6,276	5	3,969		3,331		788		16,190
15 TRAINING	/CONF	20,806	1	1,918	9,903	3	3,480		4,431	ļ	1,074		20,806
16 UTILITIES		823,001	1	584	349,928	3	139,649		271,959	1	69,314		831,434
17 BAD DEBT		735		-	444		290						735
18 PHONES		37,079		1,953	7,411		8,697		10,619		8,398		37,079
19 LEGAL FEE	S	122,427		-	63,048	3	24,466		26,420		8,493		122,427
20 JSSD WAT	ER EXPENSE	1,540,566		19	1,540,566	5	8 4						1,540,566
21 BANK CHA	RGES	2,193			1,730		191		206		66		2,193
22 POSTAGE		1,712		493	495	5	225		287		213		1.712
23 EQUIPMEN	IT	121,029		10,985	34,174	ı	44,115		19,749		12,006		121,029
24 REPAIRS A	ND MAINT.	232,558		52	76,348	3	95,141		48,321		12,697		232,558
25 SUPPLIES		691,285		26,847	218,063	3	37,533		367,657		41,185		691,285
26 SERVICES		750,016		19,263	179,438	3	286,567	100	242,529		22,219		750,016
27 INSURANC	E	256,293		:-	124,122		76,678		46,656		11,353		258,809
28 VEHICLE EX	(PENSE	76,043		2,862	20,753	3	19,950		25,879		6,600		76,043
29 LEASE PRIN	ICIPAL Debt Service	104,028.96			29,607		64,904	4			9,517		104,029
30 2003AB CC	P Debt Service	317,035		3-	317,035	5	14		A				317,035
31 R&R FUND	DEPRECIATION EXPENSE	2,141,752	1	19	1,037,244		640,771		368,866		94,871		2,141,752
32 2009/2019	WATER REVENUE BOND INTEREST	10,145			10,145						- 4		10,145
33		10,405,085	\$	801,897	\$ 5,027,362	\$	1,890,530	\$	2,016,317	\$	718,466	\$	10,454,572

¹The water and WTP costs associated with salaries and wages include the District's annual cost-of-living adjustment and the WTP utilities and insurance expenses include an inflation factor

Expense Category	Expense	% of Total Budget
Cost to Other Districts/SAAs	\$ 801,897	7.71%
Water	5,027,362	48.32%
Sewer and WRF	1,890,530	18.17%
Water Treatment Plant	2,016,317	19.38%
Mine	718,466	6.90%
Project Totals	\$ 10,454,572	100.48%