APPENDIX A

Methodology and Procedures to Implement Water System Development Charges

I. Introduction

The calculation of the water SDCs presented in this section are based on the City of Talent (City)'s fixed asset records, planning data and future capital improvements as identified in the City's water master plan, entitled "City of Talent Water Master Plan" prepared by RH2 Engineering, Inc. dated April 2019 (the "Master Plan"). Other financial and accounting information was provided by the City.

To the extent that the cost and timing of future capital improvements change, then the SDCs presented in this section should be updated to reflect the cost of these adjustments.

II. Water Equivalent Units

The number of equivalent residential units (ERUs) for the next 20 years was determined based on the planning criteria from the Master Plan. The Water Master Plan assumes that 31 equivalent residential units (ERUs) develop each year through fiscal year 2025, and 60 ERUs each year thereafter. One ERU is defined as the flow equivalent of a 5/8-inch by 3/4-inch water meter. The City currently has 3,414 ERUs.

Over the next 20 years, an additional 1,113 ERUs are anticipated. Average daily flow is 204 gallons/day/ERU average daily flow. Peak day demand per ERU was calculated by multiplying average daily flow by a peaking factor of 2.66, which is based on historic monthly water consumption. The resulting peak day flow is 542 gallons/day/ERU. Average daily water demand would increase from approximately 0.80 million gallons per day to approximately 1.06 million gallons per day.

A summary of the number of ERUs, average and peak day demands in 2018 are presented in Table 1. Details of the determination of water ERUs are provided in Exhibit 1.

Table 1 City of Talent Water Equivalent Residential Units

Description	ERUs
Equivalent Residential Units – 2018	3,414
ERU Average Day Demand	204 galls/day/ERU
ERU Peak Day Demand	542 galls/day/ERU

III. Source of Supply

The City purchases all of its water from the Medford Water Commission via the Talent-Ashland-Phoenix (TAP) transmission main. The City's cost for the TAP water mains and associated improvements are included in the calculations of the source-related reimbursement SDC.

Projects identified in the 2019 Water Master Plan are included in the improvement SDC. The calculated SDC for source-related facilities is \$1,446 per ERU. Details of the calculation are provided in Exhibit 2.

IV. Pump Stations

The City currently runs several pump station facilities to ensure adequate supply and water pressure throughout its system. Future improvements are to provide pump station upgrades for increased reliability to service growth. The cost of upgrades to existing pump stations and addition of the Railroad District Master Plan Area pump station results in an SDC for pump stations of \$1,245 per ERU. Details of the calculation are provided in Exhibit 3.

V. Distribution Storage

The City has sufficient storage capacity of 3.5 MG that will serve customers through the year 2040. The total cost of storage is \$0.86 per gallon for existing facilities and \$0.01 per gallon for the abandonment of Wagner Reservoir; applying these costs to the storage requirement per ERU of 773 gallons results in an SDC for distribution storage of \$676 per ERU. Details of the calculation are provided in Exhibit 4.

VI. Transmission & Distribution Mains

To determine the SDC for distribution, an inventory of the existing system was undertaken as well as those planned improvements are identified in the capital improvement program. These costs were subsequently divided by the total number of 2040 ERUs to determine the cost per ERU. Future capital improvements benefitting new development through 2040 and were then divided by the number of new ERUs projected over the planning horizon.

The calculated SDC for existing transmission and distribution mains is \$2,004 per ERU. For future transmission and distribution assets, the calculated SDC is \$181 per ERU. This results in a total SDC for transmission and distribution of \$2,186 per ERU. Details of the calculation are provided in Exhibit 5.

VII. Compliance Costs

As allowed under Oregon law, compliance costs were included as part of the overall SDC. The compliance costs through 2040 were estimated and divided by the total number of projected additional ERUs over the next twenty years. The calculation results in a compliance cost SDC of \$395 per ERU. Details of the analysis are provided in Exhibit 6.

VIII. Debt Service Credits

The debt service credit is included in the total reimbursement SDC calculation because future ERUs will pay the debt service for existing facilities they will benefit from in their rates. As described in the American Water Works Association M1 Manual Seventh Edition, page 340, "One approach for making revenue adjustments and to prevent double recovery of debt-related costs in calculating SDCs is to deduct the outstanding debt principal balance from the cost basis used in the calculation of the unit costs of capacity. By doing so, SDCs do not recover costs that will potentially be collected from the new customer in future water rates (i.e., debt service within the revenue requirements and user rates)."

The City currently has two outstanding bond issues. While it is likely that future bond issues will be necessary for implementation of the City's long-term capital improvement plan, timing and amounts of those bond issues are not yet known.

The debt service credit is applied to the combined system reimbursement SDC fee (source, pumping, storage, transmission and distribution SDC fee components together). It is therefore appropriate that only a portion of the total outstanding principal be applied in the calculation. In the determination of the debt service credit, outstanding principal for the two existing bond issues was allocated to future ERUs to determine the portion of outstanding principal benefitting future users of the water system. This portion of outstanding principal, calculated to be 17% of the total, was then divided by the number of anticipated ERUs that will develop in the City until all debt service has been retired (the period during which future users will pay for the debt service in rates). A debt service credit of \$762 per ERU is applied to the total water SDCs. Details of the calculation are provided in Exhibit 7.

IX. Total Water System Development Charge

The calculated water SDC per ERU (5/8" x ¾" meter) is \$5,185. The SDCs for larger meter sizes are determined by multiplying the SDC for a 5/8"x ¾" meter by AWWA's weighting factors. The weighting factors are based on AWWA safe operating capacities for displacement type meters for meters 2" and smaller, and compound type meters for meters 3" and larger to reflect the costs incurred by the City in providing water service. Details of the total water SDCs for the City are provided in Table 2 and Exhibit 8. The charge is weighted by meter size to account for the capacity requirements of the customer.

Table 2
City of Talent
Calculated Water System Development Charges

Fee Component	SDC Fee Calculation
Source	\$1,446
Pumping	\$1,245
Storage	\$676
Trans. & Distr.	\$2,186
Compliance	\$395
Debt Service Credit	- \$762
Total	\$5,185 per ERU

Meter Size	Meter Capacity Ratio	Water SDC
3/4" x 5/8"	1.0	\$5,185
1"	2.5	\$12,964
1.5"	5.0	\$25,926
2"	8.0	\$41,483
3"	16.0	\$82,967
4"	25.0	\$129,635
6"	50.0	\$259,271
8"	80.0	\$414,832
10"	115.0	\$596,324

The detail of the calculation of the reimbursement fee and improvement fee components is provided in Table 3.

Table 3
City of Talent
Water System Development Charge Summary

Fee Component	Reimbursement	Improvement	Total
Source	\$1,396	\$50	\$1,446
Pumping	\$138	\$1,107	\$1,245
Storage	\$667	\$8	\$676
Trans. & Distr.	\$2,004	\$181	\$2,186
Compliance	\$0	\$395	\$395
Debt Service Credits	-\$762	\$0	-\$762
Total	\$3,443	\$1,742	\$5,185

X. Summary

The 2019 water SDC calculations are based on the engineering design criteria of the City's water system, estimated current costs of existing assets, estimated future capital improvements costs through 2040 and "generally accepted" ratemaking principles. The calculated 2019 water SDCs are presented in Exhibit 8. The current 2018 water SDCs are presented in Exhibit 9.

EXHIBITS

WATER SYSTEM DEVELOPMENT CHARGES

EXHIBIT 1	Determination of ERUs
EXHIBIT 2	Source-Related Plant SDC
EXHIBIT 3	Pump Stations SDC
EXHIBIT 4	Storage Plant SDC
EXHIBIT 5	Transmission and Distribution Plant SDC
EXHIBIT 6	Water Compliance Costs
EXHIBIT 7	Water Credit for Debt Service Payments
EXHIBIT 8	Proposed 2019 Water SDCs

EXHIBIT 9 Adopted 2018 Water SDCs

Exhibit 1 Determination of ERUs

		Annual		
	Average #	Additional	Avg. Daily	Max. Daily
Year	of ERUs	ERUs	Demand	Demand
			mgd	mgd
Avg. GPD per ERU (per 201	9 Water Master	Plan)	204	
Peak GPD per ERU (per 201	9 Water Master	Plan)		542
2018	3,414		0.80	2.12
2019	3,445	31	0.81	2.14
2020	3,475	31	0.81	2.16
2021	3,506	31	0.82	2.18
2022	3,537	31	0.83	2.20
2023	3,568	31	0.84	2.22
2024	3,598	31	0.84	2.24
2025	3,629	31	0.85	2.26
2026	3,689	60	0.86	2.30
2027	3,749	60	0.88	2.33
2028	3,809	60	0.89	2.37
2029	3,868	60	0.91	2.41
2030	3,928	60	0.92	2.44
2031	3,988	60	0.93	2.48
2032	4,048	60	0.95	2.52
2033	4,108	60	0.96	2.56
2034	4,168	60	0.98	2.59
2035	4,228	60	0.99	2.63
2036	4,288	60	1.00	2.67
2037	4,347	60	1.02	2.70
2038	4,407	60	1.03	2.74
2039	4,467	60	1.05	2.78
2040	4,527	60	1.06	2.82
Additional ERUs / Water	Demand	1,113	0.26	0.69

Source: City of Talent 2018 Water Master Plan Update.

Exhibit 2 Source-Related Plant SDC

Water Supply Assets	2004 Cost	2019 Cost [1]	Percent SDC Eligible	2019 Total SDC Eligible Costs
	Cost Increase	1.53		
TAR Improvements	¢E 611 600	\$8,633,609	100%	¢0 622 600
TAP Improvements TAP Capacity (gpd)	\$5,644,688	38,033,009	100%	\$8,633,609 3.35
Cost per Gallon				\$2.58
Use per ERU (maximum gallons per day)				541.62
Reimbursement Fee per ERU				\$1,396
Master Plan Projects		Through 2040		
S-1 Telemetry Mapping		\$14,000	50%	\$7,000
S-2 Update SCADA system		\$100,000	50%	\$50,000
S-3 Backup generator at Talent BPS		\$178,000	50%	\$89,000
S-4 Addition of third pump at Talent BPS		\$115,000	100%	\$115,000
S-5 Addition of temporary small pump at Talent E	BPS	\$50,000	100%	\$50,000
S-6 Relocate TAP pipeline for ODOT bridge project	t in Phoenix	\$100,000	0%	\$0
Subtotal Master Plan Projects		\$557,000	56%	\$311,000
TAP Capacity (gpd)				3.35
Cost per Gallon				\$0.09
Use per ERU (maximum gallons per day)				541.62
Total 2019 Improvement Fee per ERU				\$50
2019 Calculated Supply SDC Fee				
Reimbursement Fee				\$1,396
Improvement Fee				\$50
Total 2019 Supply Fee per ERU				\$1,446
Source: Ordinance #730 and RH2 Engineering, November 201	.8.			source
[1] Costs increased by the ENR CCI:	Nov-04	Nov-18		
	7,312	11,184		

Exhibit 3 Pump Stations SDC

			Percent SDC	2019 Total SDC Eligible
Pump Station Assets	2004 Cost	2019 Cost	Eligible	Costs
		[1]		
	Cost increase	1.53		
Assets Built before 2004	\$95,918	\$146,708	100%	\$146,708
Assets Built since 2004				
Main Booster PS Upgrade	\$300,000	\$458,853	100%	\$458,853
Variable Speed Drives for PS	\$25,000	\$38,238	50%	\$19,119
Subtotal Assets Built since 2004	\$325,000	\$497,091	96%	\$477,972
Total Existing Pump Station Assets	\$420,918	\$643,798	97%	\$624,680
2040 ERUs				4,527
Pump Station Reimbursement Fee per	ERU			\$138
Master Plan Project Number		Through 2040		
PS-2 Railroad District Master Plan Are	a BPS	\$1,232,000	100%	\$1,232,000
Additional ERUs				1,113
Pump Station Improvement Fee per El	RU			\$1,107
2019 Calculated Pump Station SDC Fee				
Reimbursement Fee				\$138
Improvement Fee				\$1,107
Total 2019 Pump Station Fee per ERU	J			\$1,245
Source: Ordinance #730 and RH2 Engineering, N	lovember 2018.			pump
[1] Costs increased by the ENR CCI:	Nov-04	Nov-18		
•	7,312	11,184		

Exhibit 4 Storage Plant SDC

Cost Increase 1.53 Belmont 1 \$1,176,717 \$1,799,801 100% Assets Built Since 2004 1.5 MG Reservoir \$1,500,000 \$2,294,266 50% Rapp Rd (pipeline - new tank) \$96,000 \$146,833 50% Subtotal Assets Built Since 2004 \$1,596,000 \$2,441,099 50%	2019 Total SDC Eligible Costs	Percent SDC Eligible	2019 Cost [1]	2004 Cost	ts
Assets Built Since 2004 1.5 MG Reservoir \$1,500,000 \$2,294,266 50% Rapp Rd (pipeline - new tank) \$96,000 \$146,833 50% Subtotal Assets Built Since 2004 \$1,596,000 \$2,441,099 50% Total Existing Storage Facilities \$2,772,717 \$4,240,899 71% 2040 Storage Capacity (mgd) Calculated Storage Reimbursement Fee per Gallon Storage Requirement per ERU Storage Reimbursement Fee per ERU Master Plan and Other Future Projects Abandon Wagner Reservoir \$50,000 \$76,000 50% Total Master Plan and Other Future Projects Year 2040 Storage Capacity (mgd) Calculated Storage Improvement Fee per Gallon Storage Requirement per ERU Storage Requirement per ERU Storage Improvement Fee per ERU 2019 Calculated Storage SDC Fee Reimbursement Fee Improvement Fee				Cost Increase	
1.5 MG Reservoir \$1,500,000 \$2,294,266 50% Rapp Rd (pipeline - new tank) \$96,000 \$146,833 50% Subtotal Assets Built Since 2004 \$1,596,000 \$2,441,099 50% Total Existing Storage Facilities \$2,772,717 \$4,240,899 71% 2040 Storage Capacity (mgd) Calculated Storage Reimbursement Fee per Gallon Storage Requirement per ERU Storage Reimbursement Fee per ERU Master Plan and Other Future Projects \$50,000 \$76,000 50% Total Master Plan and Other Future Projects Year 2040 Storage Capacity (mgd) Calculated Storage Improvement Fee per Gallon Storage Requirement per ERU Storage Requirement per ERU Storage Improvement Fee per ERU 2019 Calculated Storage SDC Fee Reimbursement Fee Improvement Fee	\$1,799,801	100%	\$1,799,801	\$1,176,717	
Rapp Rd (pipeline - new tank) \$96,000 \$146,833 50% Subtotal Assets Built Since 2004 \$1,596,000 \$2,441,099 50% Total Existing Storage Facilities \$2,772,717 \$4,240,899 71% 2040 Storage Capacity (mgd) Calculated Storage Reimbursement Fee per Gallon Storage Requirement per ERU Storage Reimbursement Fee per ERU Master Plan and Other Future Projects					Since 2004
Rapp Rd (pipeline - new tank) \$96,000 \$146,833 50% Subtotal Assets Built Since 2004 \$1,596,000 \$2,441,099 50% Total Existing Storage Facilities \$2,772,717 \$4,240,899 71% 2040 Storage Capacity (mgd) Calculated Storage Reimbursement Fee per Gallon Storage Requirement per ERU Storage Reimbursement Fee per ERU Master Plan and Other Future Projects	\$1,147,133	50%	\$2,294,266	\$1,500,000	servoir
Subtotal Assets Built Since 2004 \$1,596,000 \$2,441,099 50% Total Existing Storage Facilities \$2,772,717 \$4,240,899 71% 2040 Storage Capacity (mgd) Calculated Storage Reimbursement Fee per Gallon Storage Requirement per ERU Storage Reimbursement Fee per ERU Master Plan and Other Future Projects Through 2040 Abandon Wagner Reservoir \$50,000 \$76,000 50% Total Master Plan and Other Future Projects Year 2040 Storage Capacity (mgd) Calculated Storage Improvement Fee per Gallon Storage Requirement per ERU Storage Improvement Fee per ERU 2019 Calculated Storage SDC Fee Reimbursement Fee Improvement Fee	\$73,416	50%		\$96,000	peline - new tank)
2040 Storage Capacity (mgd) Calculated Storage Reimbursement Fee per Gallon Storage Requirement per ERU Storage Reimbursement Fee per ERU Master Plan and Other Future Projects Through 2040 Abandon Wagner Reservoir \$50,000 \$76,000 50% Total Master Plan and Other Future Projects Year 2040 Storage Capacity (mgd) Calculated Storage Improvement Fee per Gallon Storage Requirement per ERU Storage Improvement Fee per ERU 2019 Calculated Storage SDC Fee Reimbursement Fee Improvement Fee	\$1,220,549	50%			
2040 Storage Capacity (mgd) Calculated Storage Reimbursement Fee per Gallon Storage Requirement per ERU Storage Reimbursement Fee per ERU Master Plan and Other Future Projects Through 2040 Abandon Wagner Reservoir \$50,000 \$76,000 50% Total Master Plan and Other Future Projects Year 2040 Storage Capacity (mgd) Calculated Storage Improvement Fee per Gallon Storage Requirement per ERU Storage Improvement Fee per ERU 2019 Calculated Storage SDC Fee Reimbursement Fee Improvement Fee	\$3,020,350	71%	\$4,240,899	\$2,772,717	g Storage Facilities
Storage Requirement per ERU Master Plan and Other Future Projects Abandon Wagner Reservoir Total Master Plan and Other Future Projects Year 2040 Storage Capacity (mgd) Calculated Storage Improvement Fee per Gallon Storage Requirement per ERU Storage Improvement Fee per ERU 2019 Calculated Storage SDC Fee Reimbursement Fee Improvement Fee	3.5				e Capacity (mgd)
Master Plan and Other Future Projects Abandon Wagner Reservoir Total Master Plan and Other Future Projects Year 2040 Storage Capacity (mgd) Calculated Storage Improvement Fee per Gallon Storage Requirement per ERU Storage Improvement Fee per ERU 2019 Calculated Storage SDC Fee Reimbursement Fee Improvement Fee	\$0.86			per Gallon	torage Reimbursement Fe
Master Plan and Other Future Projects Abandon Wagner Reservoir \$50,000 \$76,000 50% Total Master Plan and Other Future Projects Year 2040 Storage Capacity (mgd) Calculated Storage Improvement Fee per Gallon Storage Requirement per ERU Storage Improvement Fee per ERU 2019 Calculated Storage SDC Fee Reimbursement Fee Improvement Fee	773				uirement per ERU
Abandon Wagner Reservoir \$50,000 \$76,000 50% Total Master Plan and Other Future Projects Year 2040 Storage Capacity (mgd) Calculated Storage Improvement Fee per Gallon Storage Requirement per ERU Storage Improvement Fee per ERU 2019 Calculated Storage SDC Fee Reimbursement Fee Improvement Fee	\$667				nbursement Fee per ERU
Abandon Wagner Reservoir \$50,000 \$76,000 50% Total Master Plan and Other Future Projects Year 2040 Storage Capacity (mgd) Calculated Storage Improvement Fee per Gallon Storage Requirement per ERU Storage Improvement Fee per ERU 2019 Calculated Storage SDC Fee Reimbursement Fee Improvement Fee					
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Year 2040 Storage Capacity (mgd) Calculated Storage Improvement Fee per Gallon Storage Requirement per ERU Storage Improvement Fee per ERU 2019 Calculated Storage SDC Fee Reimbursement Fee Improvement Fee	\$38,000	50%	\$76,000		-
Calculated Storage Improvement Fee per Gallon Storage Requirement per ERU Storage Improvement Fee per ERU 2019 Calculated Storage SDC Fee Reimbursement Fee Improvement Fee	\$38,000			ojects	
Storage Requirement per ERU Storage Improvement Fee per ERU 2019 Calculated Storage SDC Fee Reimbursement Fee Improvement Fee	3.5 \$0.01			er Gallon	
Storage Improvement Fee per ERU 2019 Calculated Storage SDC Fee Reimbursement Fee Improvement Fee	,				
2019 Calculated Storage SDC Fee Reimbursement Fee Improvement Fee	773				•
Reimbursement Fee Improvement Fee	\$8				ovement Fee per ERU
Reimbursement Fee Improvement Fee					to d Chausana CDC Face
Improvement Fee	\$667				
·	\$667 \$8				
	\$6 76				
Sources Ordinance #720 and BH2 Engineering November 2019	_1			wombor 2019	on #720 and BU2 Fraincasing N
Source: Ordinance #730 and RH2 Engineering, November 2018.	store		N : 40		
[1] Costs increased by the ENR CCI: Nov-04 Nov-18 7,312 11,184					ased by the ENR CCI:

Exhibit 5 Water Transmission and Distribution SDC

Transmission Assets 2004 Cost [1]	Eligible	SDC Eligible Costs
Transmission & Distribution Facilities Built Prior to 2004 \$5,224,912 \$7,991,557 Facilities Built Since 2004 N. Pacific Hwy \$184,690 \$282,485 N. Pacific Hwy - Suncrest Rd \$11,360 \$17,375	100%	
Facilities Built Since 2004 N. Pacific Hwy \$184,690 \$282,485 N. Pacific Hwy - Suncrest Rd \$11,360 \$17,375	100%	
N. Pacific Hwy \$184,690 \$282,485 N. Pacific Hwy - Suncrest Rd \$11,360 \$17,375		\$7,991,557
N. Pacific Hwy - Suncrest Rd \$11,360 \$17,375		
•	56%	\$158,192
Rapp Rd \$103,200 \$157.845	100%	\$17,375
	75%	\$118,384
N. Pacific Hwy @ Rapp Rd \$3,600 \$5,506	56%	\$3,083
Lithia Way & Creel Rd \$3,600 \$5,506	75%	\$4,130
Talent Ave (Creel Rd - Joy Dr) \$40,800 \$62,404	44%	\$27,458
Talent Ave (Rapp Rd) \$29,600 \$45,274	44%	\$19,920
Creel Rd (Talent Ave - Lithia Way) \$52,000 \$79,535	44%	\$34,995
Gibson St (Colver Rd) \$41,600 \$63,628	75%	\$47,721
Front St RR Xing \$65,250 \$99,801	100%	\$99,801
Connection to Deborah Dr \$9,600 \$14,683	100%	\$14,683
SE Road Project (Rapp Rd) \$288,640 \$441,478	100%	\$441,478
West St resize - 4" to 8" \$30,840 \$47,170	50%	\$23,585
Wagner St - 8" D.I. pipe \$56,141 \$85,868	50%	\$42,934
	50%	\$27,242
Gibson Neighborhood Improvements \$35,622 \$54,484 Subtotal Facilities Built since 2004 \$956,543 \$1,463,042	74%	\$1,080,981
		_
(·, · , · ·)	96%	\$9,072,539
2040 ERUs Reimbursement Fee per ERU		4,527 \$2,004
Master Plan Project Number Through 2040		
P-1 Fire Flow Improvements: Various low priority pipe		
through improvements for increased fire flow criteria or future fire flow		
P-7 deficiencies. To be addressed as development occurs or as pipe		
needs replacement. \$728,500	0%	\$0
T-1a W Valley View Road Transmission Line: Relocate existing pipe in		
truck stop property north of Valley View \$146,000	0%	\$0
T-1b W Valley View Road Transmission Line: Install pipe in Valley View		
Road and Wagner Creek crossing \$95,000	0%	\$0
T-1c W Valley View Road Transmission Line: Install pipe from Valley		
View Rd along west side of Wagner Creek and tie into existing		\$0
· = ·	0%	
View Rd along west side of Wagner Creek and tie into existing pipe in Hwy 99 \$279,000	0%	
View Rd along west side of Wagner Creek and tie into existing pipe in Hwy 99 \$279,000	0% 100%	\$202,000
View Rd along west side of Wagner Creek and tie into existing pipe in Hwy 99 \$279,000 T-2 Gateway Pipeline: Connect pipe in Gangnes Rd to pipe in the		\$202,000
View Rd along west side of Wagner Creek and tie into existing pipe in Hwy 99 \$279,000 T-2 Gateway Pipeline: Connect pipe in Gangnes Rd to pipe in the Roundabout with 8-in DI pipe. \$202,000		\$202,000 \$0
View Rd along west side of Wagner Creek and tie into existing pipe in Hwy 99 \$279,000 T-2 Gateway Pipeline: Connect pipe in Gangnes Rd to pipe in the Roundabout with 8-in DI pipe. \$202,000 T-3 2nd St and Bain St Pipelines: Connect Main St. to Bain St on 2nd.	100%	
View Rd along west side of Wagner Creek and tie into existing pipe in Hwy 99 \$279,000 T-2 Gateway Pipeline: Connect pipe in Gangnes Rd to pipe in the Roundabout with 8-in DI pipe. \$202,000 T-3 2nd St and Bain St Pipelines: Connect Main St. to Bain St on 2nd. Connect 1st St to Wagner St on Bain St with 8-in DI pipe. \$322,000	100%	\$0 \$202,000
View Rd along west side of Wagner Creek and tie into existing pipe in Hwy 99 \$279,000 T-2 Gateway Pipeline: Connect pipe in Gangnes Rd to pipe in the Roundabout with 8-in DI pipe. \$202,000 T-3 2nd St and Bain St Pipelines: Connect Main St. to Bain St on 2nd. Connect 1st St to Wagner St on Bain St with 8-in DI pipe. \$322,000 Total Master Plan Pipelines \$1,772,500	100%	\$0
View Rd along west side of Wagner Creek and tie into existing pipe in Hwy 99 \$279,000 T-2 Gateway Pipeline: Connect pipe in Gangnes Rd to pipe in the Roundabout with 8-in DI pipe. \$202,000 T-3 2nd St and Bain St Pipelines: Connect Main St. to Bain St on 2nd. Connect 1st St to Wagner St on Bain St with 8-in DI pipe. \$322,000 Total Master Plan Pipelines \$1,772,500 Additional ERUs Improvement Fee per ERU	100%	\$0 \$202,000 1,113
View Rd along west side of Wagner Creek and tie into existing pipe in Hwy 99 \$279,000 T-2 Gateway Pipeline: Connect pipe in Gangnes Rd to pipe in the Roundabout with 8-in DI pipe. \$202,000 T-3 2nd St and Bain St Pipelines: Connect Main St. to Bain St on 2nd. Connect 1st St to Wagner St on Bain St with 8-in DI pipe. \$322,000 Total Master Plan Pipelines \$1,772,500 Additional ERUs Improvement Fee per ERU 2019 Calculated Transmission and Distribution SDC Fee	100%	\$0 \$202,000 1,113 \$181
View Rd along west side of Wagner Creek and tie into existing pipe in Hwy 99 \$279,000 T-2 Gateway Pipeline: Connect pipe in Gangnes Rd to pipe in the Roundabout with 8-in DI pipe. \$202,000 T-3 2nd St and Bain St Pipelines: Connect Main St. to Bain St on 2nd. Connect 1st St to Wagner St on Bain St with 8-in DI pipe. \$322,000 Total Master Plan Pipelines \$1,772,500 Additional ERUs Improvement Fee per ERU 2019 Calculated Transmission and Distribution SDC Fee Reimbursement Fee	100%	\$0 \$202,000 1,113 \$181 \$2,004
View Rd along west side of Wagner Creek and tie into existing pipe in Hwy 99 \$279,000 T-2 Gateway Pipeline: Connect pipe in Gangnes Rd to pipe in the Roundabout with 8-in DI pipe. \$202,000 T-3 2nd St and Bain St Pipelines: Connect Main St. to Bain St on 2nd. Connect 1st St to Wagner St on Bain St with 8-in DI pipe. \$322,000 Total Master Plan Pipelines \$1,772,500 Additional ERUs Improvement Fee per ERU 2019 Calculated Transmission and Distribution SDC Fee	100%	\$0 \$202,000 1,113 \$181
View Rd along west side of Wagner Creek and tie into existing pipe in Hwy 99 \$279,000 T-2 Gateway Pipeline: Connect pipe in Gangnes Rd to pipe in the Roundabout with 8-in DI pipe. \$202,000 T-3 2nd St and Bain St Pipelines: Connect Main St. to Bain St on 2nd. Connect 1st St to Wagner St on Bain St with 8-in DI pipe. \$322,000 Total Master Plan Pipelines \$1,772,500 Additional ERUs Improvement Fee per ERU 2019 Calculated Transmission and Distribution SDC Fee Reimbursement Fee Improvement Fee Total 2019 Transmission and Distribution Fee per ERU	100%	\$0 \$202,000 1,113 \$181 \$2,004 \$181 \$2,186
View Rd along west side of Wagner Creek and tie into existing pipe in Hwy 99 \$279,000 T-2 Gateway Pipeline: Connect pipe in Gangnes Rd to pipe in the Roundabout with 8-in DI pipe. \$202,000 T-3 2nd St and Bain St Pipelines: Connect Main St. to Bain St on 2nd. Connect 1st St to Wagner St on Bain St with 8-in DI pipe. \$322,000 Total Master Plan Pipelines \$1,772,500 Additional ERUs Improvement Fee per ERU 2019 Calculated Transmission and Distribution SDC Fee Reimbursement Fee Improvement Fee Total 2019 Transmission and Distribution Fee per ERU Source: Ordinance #730 and RH2 Engineering, November 2018.	100%	\$0 \$202,000 1,113 \$181 \$2,004 \$181
View Rd along west side of Wagner Creek and tie into existing pipe in Hwy 99 \$279,000 T-2 Gateway Pipeline: Connect pipe in Gangnes Rd to pipe in the Roundabout with 8-in DI pipe. \$202,000 T-3 2nd St and Bain St Pipelines: Connect Main St. to Bain St on 2nd. Connect 1st St to Wagner St on Bain St with 8-in DI pipe. \$322,000 Total Master Plan Pipelines \$1,772,500 Additional ERUs Improvement Fee per ERU 2019 Calculated Transmission and Distribution SDC Fee Reimbursement Fee Improvement Fee Total 2019 Transmission and Distribution Fee per ERU	100%	\$0 \$202,000 1,113 \$181 \$2,004 \$181 \$2,186

Exhibit 6 Water Compliance Costs

2019 Cost	Percent SDC Eligible	2019 Total SDC Eligible Costs
Through 2040		
\$200,000	100%	\$200,000
\$80,000	100%	\$80,000
\$20,000	47%	\$9,400
\$150,000	100%	\$150,000
\$450,000	98%	\$439,400
		1,113
		\$395
	Through 2040 \$200,000 \$80,000 \$20,000 \$150,000	\$DC Eligible Through 2040 \$200,000 100% \$80,000 100% \$20,000 47% \$150,000 100%

Source: Ordinance #730 and RH2 Engineering, November 2018.

comp

Exhibit 7 Water Credit for Debt Service

Item	Calculation
LOCAP Principal OECD Principal	\$2,930,000 \$940,319
Total Outstanding Principal	\$3,870,319
Allocation to Future ERUs (see below)	17%
Future ERU Portion of Outstanding Principal	\$665,862
Growth in ERUs until Debt Retirement (2036) Credit for Debt Service per ERU	874 \$762

Fee Component	Reimbursement Fee per ERU	Growth in ERUs	Reimbursement Fees	Total Reimbursement Costs
Source	\$1,396	874	\$1,219,331	\$8,633,609
Pumping	\$138	874	\$120,539	\$624,680
Storage	\$667	874	\$582,809	\$3,020,350
Transmission & Distribution	\$2,004	874	\$1,750,644	\$9,072,539
Total	\$4,205		\$3,673,323	\$21,351,177
Share of Reimbursement Cos	17%			

Source: Ordinance #730 and City debt schedules provided November 2018.

sdc debt

Exhibit 8 Proposed 2019 Water SDCs

Fee	Fee Portion per ERU			
Component	Reimbursement	Improvement	Total Fee	
Source	\$1,396	\$50	\$1,446	
Pumping	\$138	\$1,107	\$1,245	
Storage	\$667	\$8	\$676	
Transmission & Distribution	\$2,004	\$181	\$2,186	
Compliance Costs	\$0	\$395	\$395	
Debt Service Credit	(\$762)	\$0	(\$762)	
Total Fee	\$3,443	\$1,742	\$5,185	
Percentage of Total Fee	66%	34%		

Source: City of Talent 2018 Water Master Plan Update and HEC.

Meter Size	Ratio	Water SDC
3/4" x 5/8"	1.0	\$5,185
1"	2.5	\$12,964
1.5"	5.0	\$25,927
2"	8.0	\$41,483
3"	16.0	\$82,967
4"	25.0	\$129,635
6"	50.0	\$259,271
8"	80.0	\$414,833
10"	115.0	\$596,324

Exhibit 9 Adopted 2018 Water SDCs

Meter Size	Reimbursement Fee	Improvement Fee	Ratio	Water SDC Effective March 1, 2018
	75%	25%		
3/4" x 5/8"	\$2,406	\$815	1.0	\$3,221
1"	\$6,017	\$2,037	2.5	\$8,054
1.5"	\$12,033	\$4,074	5.0	\$16,107
2"	\$19,253	\$6,518	8.0	\$25,771
3"	\$38,507	\$13,036	16.0	\$51,543
4"	\$60,167	\$20,368	25.0	\$80,535
6"	\$120,335	\$40,736	50.0	\$161,071
8"	\$192,536	\$65,177	80.0	\$257,713
10"	\$276,772	\$93,692	115.0	\$370,464

Source: City of Talent, November 2018.

curr sdc

Note: The SDC schedule was adopted at one-half the calculated fees.