

## SOURCES AND USES OF FUNDS

City of Tacoma - Wastewater Utility  
Sewer Revenue Bonds, Series 2018  
Final Numbers

Sources:	Sewer Revenue Bonds, 2018 (Wastewater I)	Sewer Revenue Bonds, 2018 (Wastewater II)	Sewer Revenue Bonds, 2018 (Surface Water I)	Sewer Revenue Bonds, 2018 (Surface Water II)	Total
Bond Proceeds:					
Par Amount	43,460,000.00	6,115,000.00	26,930,000.00	24,440,000.00	100,945,000.00
Net Premium/OID	1,996,145.15	762,808.45	1,236,523.75	3,048,764.60	7,044,241.95
	45,456,145.15	6,877,808.45	28,166,523.75	27,488,764.60	107,989,241.95
Uses:					
Project Fund Deposits:					
Project Fund	45,172,190.90	6,836,398.51	27,990,553.12	27,327,404.36	107,326,546.89
Delivery Date Expenses:					
Cost of Issuance	135,993.70	19,134.87	84,268.53	76,476.93	315,874.03
Underwriter's Discount	148,695.91	20,922.12	92,139.46	83,620.05	345,377.54
	284,689.61	40,056.99	176,407.99	160,096.98	661,251.57
Other Uses of Funds:					
Additional Proceeds	(735.36)	1,352.95	(437.36)	1,263.26	1,443.49
	45,456,145.15	6,877,808.45	28,166,523.75	27,488,764.60	107,989,241.95

## BOND SUMMARY STATISTICS

City of Tacoma - Wastewater Utility  
Sewer Revenue Bonds, Series 2018  
Final Numbers

Dated Date	11/28/2018
Delivery Date	11/28/2018
First Coupon	06/01/2019
Last Maturity	12/01/2048
Arbitrage Yield	3.601521%
True Interest Cost (TIC)	3.748871%
Net Interest Cost (NIC)	3.908377%
All-In TIC	3.776228%
Average Coupon	4.334513%
Average Life (years)	15.573
Weighted Average Maturity (years)	15.217
Duration of Issue (years)	10.952
Par Amount	100,945,000.00
Bond Proceeds	107,989,241.95
Total Interest	68,138,593.33
Net Interest	61,439,728.92
Total Debt Service	169,083,593.33
Maximum Annual Debt Service	8,256,200.00
Average Annual Debt Service	5,634,554.62
Underwriter's Fees (per \$1000)	
Average Takedown	3.000000
Other Fee	0.421443
Total Underwriter's Discount	3.421443
Bid Price	106.636153

Bond Component	Par Value	Price	Average Coupon	Average Life	PV of 1 bp change
Bond Component	70,700,000.00	109.037	4.350%	10.865	55,861.85
2043 Term Bond	10,780,000.00	110.702	5.000%	23.856	9,486.40
2048 Term Bond	19,465,000.00	97.438	4.000%	28.086	32,506.55
	100,945,000.00			15.573	97,854.80

	TIC	All-In TIC	Arbitrage Yield
Par Value	100,945,000.00	100,945,000.00	100,945,000.00
+ Accrued Interest			
+ Premium (Discount)	7,044,241.95	7,044,241.95	7,044,241.95
- Underwriter's Discount	(345,377.54)	(345,377.54)	
- Cost of Issuance Expense		(315,874.03)	
- Other Amounts			
Target Value	107,643,864.41	107,327,990.38	107,989,241.95
Target Date	11/28/2018	11/28/2018	11/28/2018
Yield	3.748871%	3.776228%	3.601521%

## BOND SUMMARY STATISTICS

City of Tacoma - Wastewater Utility  
Sewer Revenue Bonds, 2018 (Wastewater I)

Dated Date	11/28/2018
Delivery Date	11/28/2018
First Coupon	06/01/2019
Last Maturity	12/01/2048
Arbitrage Yield	3.601521%
True Interest Cost (TIC)	3.938663%
Net Interest Cost (NIC)	4.043187%
All-In TIC	3.963441%
Average Coupon	4.273153%
Average Life (years)	18.485
Weighted Average Maturity (years)	18.175
Duration of Issue (years)	12.381
Par Amount	43,460,000.00
Bond Proceeds	45,456,145.15
Total Interest	34,328,678.33
Net Interest	32,481,229.09
Total Debt Service	77,788,678.33
Maximum Annual Debt Service	2,703,100.00
Average Annual Debt Service	2,592,235.88
Underwriter's Fees (per \$1000)	
Average Takedown	3.000000
Other Fee	0.421443
Total Underwriter's Discount	3.421443
Bid Price	104.250919

Bond Component	Par Value	Price	Average Coupon	Average Life	PV of 1 bp change
Bond Component	24,790,000.00	106.421	4.198%	12.390	20,004.25
2043 Term Bond	6,655,000.00	110.702	5.000%	23.856	5,856.40
2048 Term Bond	12,015,000.00	97.438	4.000%	28.085	20,065.05
	43,460,000.00			18.485	45,925.70

	TIC	All-In TIC	Arbitrage Yield
Par Value	43,460,000.00	43,460,000.00	43,460,000.00
+ Accrued Interest			
+ Premium (Discount)	1,996,145.15	1,996,145.15	1,996,145.15
- Underwriter's Discount	(148,695.91)	(148,695.91)	
- Cost of Issuance Expense		(135,993.70)	
- Other Amounts			
Target Value	45,307,449.24	45,171,455.54	45,456,145.15
Target Date	11/28/2018	11/28/2018	11/28/2018
Yield	3.938663%	3.963441%	3.601521%

## BOND SUMMARY STATISTICS

City of Tacoma - Wastewater Utility  
Sewer Revenue Bonds, 2018 (Wastewater II)

Dated Date	11/28/2018
Delivery Date	11/28/2018
First Coupon	06/01/2019
Last Maturity	12/01/2031
Arbitrage Yield	3.601521%
True Interest Cost (TIC)	3.038727%
Net Interest Cost (NIC)	3.260457%
All-In TIC	3.076962%
Average Coupon	4.629606%
Average Life (years)	8.861
Weighted Average Maturity (years)	8.876
Duration of Issue (years)	7.423
Par Amount	6,115,000.00
Bond Proceeds	6,877,808.45
Total Interest	2,508,596.25
Net Interest	1,766,709.92
Total Debt Service	8,623,596.25
Maximum Annual Debt Service	777,000.00
Average Annual Debt Service	662,928.60
Underwriter's Fees (per \$1000)	
Average Takedown	3.000000
Other Fee	0.421442
Total Underwriter's Discount	3.421442
Bid Price	112.132238

Bond Component	Par Value	Price	Average Coupon	Average Life	PV of 1 bp change
Bond Component	6,115,000.00	112.474	4.630%	8.861	4,696.15
	6,115,000.00			8.861	4,696.15

	TIC	All-In TIC	Arbitrage Yield
Par Value	6,115,000.00	6,115,000.00	6,115,000.00
+ Accrued Interest			
+ Premium (Discount)	762,808.45	762,808.45	762,808.45
- Underwriter's Discount	(20,922.12)	(20,922.12)	
- Cost of Issuance Expense		(19,134.87)	
- Other Amounts			
Target Value	6,856,886.33	6,837,751.46	6,877,808.45
Target Date	11/28/2018	11/28/2018	11/28/2018
Yield	3.038727%	3.076962%	3.601521%

## BOND SUMMARY STATISTICS

City of Tacoma - Wastewater Utility  
Sewer Revenue Bonds, 2018 (Surface Water I)

Dated Date	11/28/2018
Delivery Date	11/28/2018
First Coupon	06/01/2019
Last Maturity	12/01/2048
Arbitrage Yield	3.601521%
True Interest Cost (TIC)	3.938800%
Net Interest Cost (NIC)	4.043280%
All-In TIC	3.963576%
Average Coupon	4.273131%
Average Life (years)	18.488
Weighted Average Maturity (years)	18.178
Duration of Issue (years)	12.382
Par Amount	26,930,000.00
Bond Proceeds	28,166,523.75
Total Interest	21,275,041.25
Net Interest	20,130,656.96
Total Debt Service	48,205,041.25
Maximum Annual Debt Service	1,676,050.00
Average Annual Debt Service	1,606,388.49
Underwriter's Fees (per \$1000)	
Average Takedown	3.000000
Other Fee	0.421443
Total Underwriter's Discount	3.421443
Bid Price	104.249477

Bond Component	Par Value	Price	Average Coupon	Average Life	PV of 1 bp change
Bond Component	15,355,000.00	106.421	4.198%	12.389	12,390.40
2043 Term Bond	4,125,000.00	110.702	5.000%	23.856	3,630.00
2048 Term Bond	7,450,000.00	97.438	4.000%	28.087	12,441.50
	26,930,000.00			18.488	28,461.90

	TIC	All-In TIC	Arbitrage Yield
Par Value	26,930,000.00	26,930,000.00	26,930,000.00
+ Accrued Interest			
+ Premium (Discount)	1,236,523.75	1,236,523.75	1,236,523.75
- Underwriter's Discount	(92,139.46)	(92,139.46)	
- Cost of Issuance Expense		(84,268.53)	
- Other Amounts			
Target Value	28,074,384.29	27,990,115.76	28,166,523.75
Target Date	11/28/2018	11/28/2018	11/28/2018
Yield	3.938800%	3.963576%	3.601521%

## BOND SUMMARY STATISTICS

City of Tacoma - Wastewater Utility  
Sewer Revenue Bonds, 2018 (Surface Water II)

Dated Date	11/28/2018
Delivery Date	11/28/2018
First Coupon	06/01/2019
Last Maturity	12/01/2031
Arbitrage Yield	3.601521%
True Interest Cost (TIC)	3.038640%
Net Interest Cost (NIC)	3.260309%
All-In TIC	3.076873%
Average Coupon	4.629393%
Average Life (years)	8.862
Weighted Average Maturity (years)	8.876
Duration of Issue (years)	7.423
Par Amount	24,440,000.00
Bond Proceeds	27,488,764.60
Total Interest	10,026,277.50
Net Interest	7,061,132.95
Total Debt Service	34,466,277.50
Maximum Annual Debt Service	3,102,850.00
Average Annual Debt Service	2,649,553.68
Underwriter's Fees (per \$1000)	
Average Takedown	3.000000
Other Fee	0.421442
Total Underwriter's Discount	3.421442
Bid Price	112.132343

Bond Component	Par Value	Price	Average Coupon	Average Life	PV of 1 bp change
Bond Component	24,440,000.00	112.474	4.629%	8.862	18,771.05
	24,440,000.00			8.862	18,771.05

	TIC	All-In TIC	Arbitrage Yield
Par Value	24,440,000.00	24,440,000.00	24,440,000.00
+ Accrued Interest			
+ Premium (Discount)	3,048,764.60	3,048,764.60	3,048,764.60
- Underwriter's Discount	(83,620.05)	(83,620.05)	
- Cost of Issuance Expense		(76,476.93)	
- Other Amounts			
Target Value	27,405,144.55	27,328,667.62	27,488,764.60
Target Date	11/28/2018	11/28/2018	11/28/2018
Yield	3.038640%	3.076873%	3.601521%

BOND PRICING

City of Tacoma - Wastewater Utility  
Sewer Revenue Bonds, Series 2018  
Final Numbers

Bond Component	Maturity Date	Amount	Rate	Yield	Price	Yield to Maturity	Call Date	Call Price	Premium (-Discount)
Bond Component:									
	12/01/2019	1,375,000	3.000%	1.970%	101.023				14,066.25
	12/01/2020	1,455,000	4.000%	2.130%	103.657				53,209.35
	12/01/2021	1,510,000	3.000%	2.240%	102.198				33,189.80
	12/01/2022	3,975,000	3.000%	2.320%	102.588				102,873.00
	12/01/2023	4,105,000	5.000%	2.400%	112.200				500,810.00
	12/01/2024	4,305,000	5.000%	2.490%	113.926				599,514.30
	12/01/2025	4,515,000	5.000%	2.600%	115.285				690,117.75
	12/01/2026	4,740,000	5.000%	2.700%	116.464				780,393.60
	12/01/2027	4,980,000	5.000%	2.810%	117.322				862,635.60
	12/01/2028	5,235,000	5.000%	2.910%	118.033				944,027.55
	12/01/2029	5,485,000	4.000%	3.160%	107.159 C	3.222%	12/01/2028	100.000	392,671.15
	12/01/2030	5,715,000	4.000%	3.280%	106.100 C	3.378%	12/01/2028	100.000	348,615.00
	12/01/2031	5,940,000	5.000%	3.200%	115.311 C	3.523%	12/01/2028	100.000	909,473.40
	12/01/2032	1,310,000	4.000%	3.500%	104.190 C	3.616%	12/01/2028	100.000	54,889.00
	12/01/2033	1,365,000	4.000%	3.620%	103.166 C	3.723%	12/01/2028	100.000	43,215.90
	12/01/2034	1,420,000	4.000%	3.720%	102.321 C	3.805%	12/01/2028	100.000	32,958.20
	12/01/2035	1,475,000	4.000%	3.820%	101.485 C	3.880%	12/01/2028	100.000	21,903.75
	12/01/2036	1,535,000	4.000%	3.870%	101.069 C	3.917%	12/01/2028	100.000	16,409.15
	12/01/2037	2,645,000	4.000%	3.960%	100.327 C	3.975%	12/01/2028	100.000	8,649.15
	12/01/2038	2,755,000	4.000%	3.990%	100.081 C	3.994%	12/01/2028	100.000	2,231.55
	12/01/2039	2,860,000	4.000%	4.020%	99.717				(8,093.80)
	12/01/2040	2,000,000	4.000%	4.050%	99.275				(14,500.00)
		<u>70,700,000</u>							<u>6,389,259.65</u>
2043 Term Bond:									
	12/01/2040	980,000	5.000%	3.710%	110.702 C	4.297%	12/01/2028	100.000	104,879.60
	12/01/2041	3,110,000	5.000%	3.710%	110.702 C	4.297%	12/01/2028	100.000	332,832.20
	12/01/2042	3,265,000	5.000%	3.710%	110.702 C	4.297%	12/01/2028	100.000	349,420.30
	12/01/2043	3,425,000	5.000%	3.710%	110.702 C	4.297%	12/01/2028	100.000	366,543.50
		<u>10,780,000</u>							<u>1,153,675.60</u>
2048 Term Bond:									
	12/01/2044	3,595,000	4.000%	4.150%	97.438				(92,103.90)

BOND PRICING

City of Tacoma - Wastewater Utility  
Sewer Revenue Bonds, Series 2018  
Final Numbers

Bond Component	Maturity Date	Amount	Rate	Yield	Price	Yield to Maturity	Call Date	Call Price	Premium (-Discount)
2048 Term Bond:									
	12/01/2045	3,740,000	4.000%	4.150%	97.438				(95,818.80)
	12/01/2046	3,890,000	4.000%	4.150%	97.438				(99,661.80)
	12/01/2047	4,040,000	4.000%	4.150%	97.438				(103,504.80)
	12/01/2048	4,200,000	4.000%	4.150%	97.438				(107,604.00)
		<u>19,465,000</u>							<u>(498,693.30)</u>
		100,945,000							7,044,241.95

Dated Date	11/28/2018	
Delivery Date	11/28/2018	
First Coupon	06/01/2019	
Par Amount	100,945,000.00	
Premium	7,044,241.95	
Production	107,989,241.95	106.978297%
Underwriter's Discount	(345,377.54)	(0.342144%)
Purchase Price	107,643,864.41	106.636153%
Accrued Interest		
Net Proceeds	107,643,864.41	



## BOND DEBT SERVICE

City of Tacoma - Wastewater Utility  
Sewer Revenue Bonds, Series 2018  
Final Numbers

Dated Date            11/28/2018  
Delivery Date        11/28/2018

Period Ending	Principal	Coupon	Interest	Debt Service
12/01/2019	1,375,000	3.000%	4,451,993.33	5,826,993.33
12/01/2020	1,455,000	4.000%	4,373,950.00	5,828,950.00
12/01/2021	1,510,000	3.000%	4,315,750.00	5,825,750.00
12/01/2022	3,975,000	3.000%	4,270,450.00	8,245,450.00
12/01/2023	4,105,000	5.000%	4,151,200.00	8,256,200.00
12/01/2024	4,305,000	5.000%	3,945,950.00	8,250,950.00
12/01/2025	4,515,000	5.000%	3,730,700.00	8,245,700.00
12/01/2026	4,740,000	5.000%	3,504,950.00	8,244,950.00
12/01/2027	4,980,000	5.000%	3,267,950.00	8,247,950.00
12/01/2028	5,235,000	5.000%	3,018,950.00	8,253,950.00
12/01/2029	5,485,000	4.000%	2,757,200.00	8,242,200.00
12/01/2030	5,715,000	4.000%	2,537,800.00	8,252,800.00
12/01/2031	5,940,000	5.000%	2,309,200.00	8,249,200.00
12/01/2032	1,310,000	4.000%	2,012,200.00	3,322,200.00
12/01/2033	1,365,000	4.000%	1,959,800.00	3,324,800.00
12/01/2034	1,420,000	4.000%	1,905,200.00	3,325,200.00
12/01/2035	1,475,000	4.000%	1,848,400.00	3,323,400.00
12/01/2036	1,535,000	4.000%	1,789,400.00	3,324,400.00
12/01/2037	2,645,000	4.000%	1,728,000.00	4,373,000.00
12/01/2038	2,755,000	4.000%	1,622,200.00	4,377,200.00
12/01/2039	2,860,000	4.000%	1,512,000.00	4,372,000.00
12/01/2040	2,980,000	** %	1,397,600.00	4,377,600.00
12/01/2041	3,110,000	5.000%	1,268,600.00	4,378,600.00
12/01/2042	3,265,000	5.000%	1,113,100.00	4,378,100.00
12/01/2043	3,425,000	5.000%	949,850.00	4,374,850.00
12/01/2044	3,595,000	4.000%	778,600.00	4,373,600.00
12/01/2045	3,740,000	4.000%	634,800.00	4,374,800.00
12/01/2046	3,890,000	4.000%	485,200.00	4,375,200.00
12/01/2047	4,040,000	4.000%	329,600.00	4,369,600.00
12/01/2048	4,200,000	4.000%	168,000.00	4,368,000.00
	100,945,000		68,138,593.33	169,083,593.33

## BOND DEBT SERVICE BREAKDOWN

City of Tacoma - Wastewater Utility  
Sewer Revenue Bonds, Series 2018  
Final Numbers

Period Ending	Sewer Revenue Bonds, 2018 (Wastewater I)	Sewer Revenue Bonds, 2018 (Wastewater II)	Sewer Revenue Bonds, 2018 (Surface Water I)	Sewer Revenue Bonds, 2018 (Surface Water II)	Total
12/01/2019	2,702,878.33	288,896.25	1,675,541.25	1,159,677.50	5,826,993.33
12/01/2020	2,702,500.00	291,400.00	1,675,500.00	1,159,550.00	5,828,950.00
12/01/2021	2,702,700.00	291,000.00	1,673,900.00	1,158,150.00	5,825,750.00
12/01/2022	2,700,550.00	775,700.00	1,672,100.00	3,097,100.00	8,245,450.00
12/01/2023	2,702,650.00	775,850.00	1,674,850.00	3,102,850.00	8,256,200.00
12/01/2024	2,699,650.00	775,350.00	1,675,100.00	3,100,850.00	8,250,950.00
12/01/2025	2,699,400.00	773,600.00	1,673,850.00	3,098,850.00	8,245,700.00
12/01/2026	2,701,650.00	775,600.00	1,671,100.00	3,096,600.00	8,244,950.00
12/01/2027	2,701,150.00	776,100.00	1,671,850.00	3,098,850.00	8,247,950.00
12/01/2028	2,702,900.00	775,100.00	1,675,850.00	3,100,100.00	8,253,950.00
12/01/2029	2,701,650.00	772,600.00	1,672,850.00	3,095,100.00	8,242,200.00
12/01/2030	2,700,250.00	775,400.00	1,676,050.00	3,101,100.00	8,252,800.00
12/01/2031	2,701,850.00	777,000.00	1,672,850.00	3,097,500.00	8,249,200.00
12/01/2032	2,052,350.00		1,269,850.00		3,322,200.00
12/01/2033	2,054,950.00		1,269,850.00		3,324,800.00
12/01/2034	2,051,150.00		1,274,050.00		3,325,200.00
12/01/2035	2,051,150.00		1,272,250.00		3,323,400.00
12/01/2036	2,054,750.00		1,269,650.00		3,324,400.00
12/01/2037	2,701,750.00		1,671,250.00		4,373,000.00
12/01/2038	2,701,350.00		1,675,850.00		4,377,200.00
12/01/2039	2,698,350.00		1,673,650.00		4,372,000.00
12/01/2040	2,702,750.00		1,674,850.00		4,377,600.00
12/01/2041	2,703,100.00		1,675,500.00		4,378,600.00
12/01/2042	2,702,100.00		1,676,000.00		4,378,100.00
12/01/2043	2,701,350.00		1,673,500.00		4,374,850.00
12/01/2044	2,700,600.00		1,673,000.00		4,373,600.00
12/01/2045	2,701,800.00		1,673,000.00		4,374,800.00
12/01/2046	2,699,400.00		1,675,800.00		4,375,200.00
12/01/2047	2,698,400.00		1,671,200.00		4,369,600.00
12/01/2048	2,693,600.00		1,674,400.00		4,368,000.00
	77,788,678.33	8,623,596.25	48,205,041.25	34,466,277.50	169,083,593.33

## BOND DEBT SERVICE

City of Tacoma - Wastewater Utility  
Sewer Revenue Bonds, 2018 (Wastewater I)

Dated Date 11/28/2018  
Delivery Date 11/28/2018

Period Ending	Principal	Coupon	Interest	Debt Service
12/01/2019	830,000	3.000%	1,872,878.33	2,702,878.33
12/01/2020	870,000	4.000%	1,832,500.00	2,702,500.00
12/01/2021	905,000	3.000%	1,797,700.00	2,702,700.00
12/01/2022	930,000	3.000%	1,770,550.00	2,700,550.00
12/01/2023	960,000	5.000%	1,742,650.00	2,702,650.00
12/01/2024	1,005,000	5.000%	1,694,650.00	2,699,650.00
12/01/2025	1,055,000	5.000%	1,644,400.00	2,699,400.00
12/01/2026	1,110,000	5.000%	1,591,650.00	2,701,650.00
12/01/2027	1,165,000	5.000%	1,536,150.00	2,701,150.00
12/01/2028	1,225,000	5.000%	1,477,900.00	2,702,900.00
12/01/2029	1,285,000	4.000%	1,416,650.00	2,701,650.00
12/01/2030	1,335,000	4.000%	1,365,250.00	2,700,250.00
12/01/2031	1,390,000	5.000%	1,311,850.00	2,701,850.00
12/01/2032	810,000	4.000%	1,242,350.00	2,052,350.00
12/01/2033	845,000	4.000%	1,209,950.00	2,054,950.00
12/01/2034	875,000	4.000%	1,176,150.00	2,051,150.00
12/01/2035	910,000	4.000%	1,141,150.00	2,051,150.00
12/01/2036	950,000	4.000%	1,104,750.00	2,054,750.00
12/01/2037	1,635,000	4.000%	1,066,750.00	2,701,750.00
12/01/2038	1,700,000	4.000%	1,001,350.00	2,701,350.00
12/01/2039	1,765,000	4.000%	933,350.00	2,698,350.00
12/01/2040	1,840,000	** %	862,750.00	2,702,750.00
12/01/2041	1,920,000	5.000%	783,100.00	2,703,100.00
12/01/2042	2,015,000	5.000%	687,100.00	2,702,100.00
12/01/2043	2,115,000	5.000%	586,350.00	2,701,350.00
12/01/2044	2,220,000	4.000%	480,600.00	2,700,600.00
12/01/2045	2,310,000	4.000%	391,800.00	2,701,800.00
12/01/2046	2,400,000	4.000%	299,400.00	2,699,400.00
12/01/2047	2,495,000	4.000%	203,400.00	2,698,400.00
12/01/2048	2,590,000	4.000%	103,600.00	2,693,600.00
	43,460,000		34,328,678.33	77,788,678.33

## BOND DEBT SERVICE

City of Tacoma - Wastewater Utility  
Sewer Revenue Bonds, 2018 (Wastewater II)

Dated Date 11/28/2018  
Delivery Date 11/28/2018

Period Ending	Principal	Coupon	Interest	Debt Service
12/01/2019	5,000	3.000%	283,896.25	288,896.25
12/01/2020	10,000	4.000%	281,400.00	291,400.00
12/01/2021	10,000	3.000%	281,000.00	291,000.00
12/01/2022	495,000	3.000%	280,700.00	775,700.00
12/01/2023	510,000	5.000%	265,850.00	775,850.00
12/01/2024	535,000	5.000%	240,350.00	775,350.00
12/01/2025	560,000	5.000%	213,600.00	773,600.00
12/01/2026	590,000	5.000%	185,600.00	775,600.00
12/01/2027	620,000	5.000%	156,100.00	776,100.00
12/01/2028	650,000	5.000%	125,100.00	775,100.00
12/01/2029	680,000	4.000%	92,600.00	772,600.00
12/01/2030	710,000	4.000%	65,400.00	775,400.00
12/01/2031	740,000	5.000%	37,000.00	777,000.00
	6,115,000		2,508,596.25	8,623,596.25

## BOND DEBT SERVICE

City of Tacoma - Wastewater Utility  
Sewer Revenue Bonds, 2018 (Surface Water I)

Dated Date 11/28/2018  
Delivery Date 11/28/2018

Period Ending	Principal	Coupon	Interest	Debt Service
12/01/2019	515,000	3.000%	1,160,541.25	1,675,541.25
12/01/2020	540,000	4.000%	1,135,500.00	1,675,500.00
12/01/2021	560,000	3.000%	1,113,900.00	1,673,900.00
12/01/2022	575,000	3.000%	1,097,100.00	1,672,100.00
12/01/2023	595,000	5.000%	1,079,850.00	1,674,850.00
12/01/2024	625,000	5.000%	1,050,100.00	1,675,100.00
12/01/2025	655,000	5.000%	1,018,850.00	1,673,850.00
12/01/2026	685,000	5.000%	986,100.00	1,671,100.00
12/01/2027	720,000	5.000%	951,850.00	1,671,850.00
12/01/2028	760,000	5.000%	915,850.00	1,675,850.00
12/01/2029	795,000	4.000%	877,850.00	1,672,850.00
12/01/2030	830,000	4.000%	846,050.00	1,676,050.00
12/01/2031	860,000	5.000%	812,850.00	1,672,850.00
12/01/2032	500,000	4.000%	769,850.00	1,269,850.00
12/01/2033	520,000	4.000%	749,850.00	1,269,850.00
12/01/2034	545,000	4.000%	729,050.00	1,274,050.00
12/01/2035	565,000	4.000%	707,250.00	1,272,250.00
12/01/2036	585,000	4.000%	684,650.00	1,269,650.00
12/01/2037	1,010,000	4.000%	661,250.00	1,671,250.00
12/01/2038	1,055,000	4.000%	620,850.00	1,675,850.00
12/01/2039	1,095,000	4.000%	578,650.00	1,673,650.00
12/01/2040	1,140,000	** %	534,850.00	1,674,850.00
12/01/2041	1,190,000	5.000%	485,500.00	1,675,500.00
12/01/2042	1,250,000	5.000%	426,000.00	1,676,000.00
12/01/2043	1,310,000	5.000%	363,500.00	1,673,500.00
12/01/2044	1,375,000	4.000%	298,000.00	1,673,000.00
12/01/2045	1,430,000	4.000%	243,000.00	1,673,000.00
12/01/2046	1,490,000	4.000%	185,800.00	1,675,800.00
12/01/2047	1,545,000	4.000%	126,200.00	1,671,200.00
12/01/2048	1,610,000	4.000%	64,400.00	1,674,400.00
	26,930,000		21,275,041.25	48,205,041.25

## BOND DEBT SERVICE

City of Tacoma - Wastewater Utility  
Sewer Revenue Bonds, 2018 (Surface Water II)

Dated Date 11/28/2018  
Delivery Date 11/28/2018

Period Ending	Principal	Coupon	Interest	Debt Service
12/01/2019	25,000	3.000%	1,134,677.50	1,159,677.50
12/01/2020	35,000	4.000%	1,124,550.00	1,159,550.00
12/01/2021	35,000	3.000%	1,123,150.00	1,158,150.00
12/01/2022	1,975,000	3.000%	1,122,100.00	3,097,100.00
12/01/2023	2,040,000	5.000%	1,062,850.00	3,102,850.00
12/01/2024	2,140,000	5.000%	960,850.00	3,100,850.00
12/01/2025	2,245,000	5.000%	853,850.00	3,098,850.00
12/01/2026	2,355,000	5.000%	741,600.00	3,096,600.00
12/01/2027	2,475,000	5.000%	623,850.00	3,098,850.00
12/01/2028	2,600,000	5.000%	500,100.00	3,100,100.00
12/01/2029	2,725,000	4.000%	370,100.00	3,095,100.00
12/01/2030	2,840,000	4.000%	261,100.00	3,101,100.00
12/01/2031	2,950,000	5.000%	147,500.00	3,097,500.00
	24,440,000		10,026,277.50	34,466,277.50

## UNDERWRITER'S DISCOUNT

City of Tacoma - Wastewater Utility  
Sewer Revenue Bonds, Series 2018  
Final Numbers

Underwriter's Discount	\$/1000	Amount
Average Takedown	3.00000	302,835.00
Underwriter's Counsel	0.19813	20,000.00
CUSIP Fees	0.01017	1,026.50
DTC	0.00793	800.00
IPREO	0.07654	7,725.93
Day Loan	0.02962	2,990.11
Out of Pocket	0.09906	10,000.00
	3.42144	345,377.54

## COST OF ISSUANCE

City of Tacoma - Wastewater Utility  
Sewer Revenue Bonds, Series 2018  
Final Numbers

Cost of Issuance	\$/1000	Amount
Bond Counsel	0.65103	65,717.78
Disclosure Counsel	0.14860	15,000.00
Financial Advisor	0.60663	61,236.25
Moody's	0.54485	55,000.00
S&P	0.51513	52,000.00
Fitch	0.52504	53,000.00
Printing & Mailing	0.01902	1,920.00
Roadshow	0.01981	2,000.00
Miscellaneous	0.09906	10,000.00
	3.12917	315,874.03



## AGGREGATE DEBT SERVICE

City of Tacoma - Wastewater Utility  
Sewer Revenue Bonds, Series 2018  
Final Numbers

Period Ending	Sewer Revenue Bonds, 2018 (Wastewater I)	Sewer Revenue Bonds, 2018 (Wastewater II)	Sewer Revenue Bonds, 2018 (Surface Water I)	Sewer Revenue Bonds, 2018 (Surface Water II)	Parity Debt Service	Aggregate Debt Service
12/01/2018					8,035,912.50	8,035,912.50
12/01/2019	2,702,878.33	288,896.25	1,675,541.25	1,159,677.50	11,030,675.00	16,857,668.33
12/01/2020	2,702,500.00	291,400.00	1,675,500.00	1,159,550.00	11,036,625.00	16,865,575.00
12/01/2021	2,702,700.00	291,000.00	1,673,900.00	1,158,150.00	11,037,575.00	16,863,325.00
12/01/2022	2,700,550.00	775,700.00	1,672,100.00	3,097,100.00	8,261,687.50	16,507,137.50
12/01/2023	2,702,650.00	775,850.00	1,674,850.00	3,102,850.00	8,260,637.50	16,516,837.50
12/01/2024	2,699,650.00	775,350.00	1,675,100.00	3,100,850.00	8,253,437.50	16,504,387.50
12/01/2025	2,699,400.00	773,600.00	1,673,850.00	3,098,850.00	8,257,562.50	16,503,262.50
12/01/2026	2,701,650.00	775,600.00	1,671,100.00	3,096,600.00	8,265,100.00	16,510,050.00
12/01/2027	2,701,150.00	776,100.00	1,671,850.00	3,098,850.00	8,253,487.50	16,501,437.50
12/01/2028	2,702,900.00	775,100.00	1,675,850.00	3,100,100.00	8,262,537.50	16,516,487.50
12/01/2029	2,701,650.00	772,600.00	1,672,850.00	3,095,100.00	8,253,625.00	16,495,825.00
12/01/2030	2,700,250.00	775,400.00	1,676,050.00	3,101,100.00	8,253,550.00	16,506,350.00
12/01/2031	2,701,850.00	777,000.00	1,672,850.00	3,097,500.00	8,255,050.00	16,504,250.00
12/01/2032	2,052,350.00		1,269,850.00		13,182,625.00	16,504,825.00
12/01/2033	2,054,950.00		1,269,850.00		13,180,437.50	16,505,237.50
12/01/2034	2,051,150.00		1,274,050.00		13,180,400.00	16,505,600.00
12/01/2035	2,051,150.00		1,272,250.00		13,179,525.00	16,502,925.00
12/01/2036	2,054,750.00		1,269,650.00		13,172,200.00	16,496,600.00
12/01/2037	2,701,750.00		1,671,250.00		6,178,400.00	10,551,400.00
12/01/2038	2,701,350.00		1,675,850.00		6,176,200.00	10,553,400.00
12/01/2039	2,698,350.00		1,673,650.00		4,086,400.00	8,458,400.00
12/01/2040	2,702,750.00		1,674,850.00		4,087,200.00	8,464,800.00
12/01/2041	2,703,100.00		1,675,500.00		4,088,000.00	8,466,600.00
12/01/2042	2,702,100.00		1,676,000.00		4,088,600.00	8,466,700.00
12/01/2043	2,701,350.00		1,673,500.00		4,088,800.00	8,463,650.00
12/01/2044	2,700,600.00		1,673,000.00		4,088,400.00	8,462,000.00
12/01/2045	2,701,800.00		1,673,000.00		4,087,200.00	8,462,000.00
12/01/2046	2,699,400.00		1,675,800.00			4,375,200.00
12/01/2047	2,698,400.00		1,671,200.00			4,369,600.00
12/01/2048	2,693,600.00		1,674,400.00			4,368,000.00
	77,788,678.33	8,623,596.25	48,205,041.25	34,466,277.50	230,581,850.00	399,665,443.33