

**Table 19: Summary of Wastewater Development Fee per Equivalent Meter**

<b>Description</b>	<b>2020 Wastewater SDF</b>
Existing Backbone Facilities (1)	\$237,756,970
Scheduled Backbone Improvements (2)	70,356,507
Subtotal Backbone System	308,113,476
Contributed Capital (3)	95,198,107
Outstanding Principal in 2020 (4)	37,066,948
Subtotal Contributed Capital and Outstanding Principal	132,265,055
Net Backbone Facility Value	\$175,848,422
Total Single Family Equivalent Meters (5)	43,515
System Development Fee per Equivalent Meter (6)	\$4,050

(1) Wastewater fund assets as of 12/31/13, adjusted for anticipated asset retirement, replacement cost new using ENR-CCI index.

(2) Projected inflated CIP by function as anticipated in Fall 2014 and rate model.

(3) Existing and scheduled small local wastewater collection system pipeline value.

(4) Existing and projected principal outstanding in 2020.

(5) Existing and projected single-family residential equivalent meters in 2020.

(6) Rounded up to nearest \$10 for assessment.

## Equivalent Residential Connections

The second component is to project the equivalent single family residential connections in 2020.

The number of equivalent single family residential 5/8-inch water meters reflects two components. The first are current and projected customer accounts by meter size anticipated to be on-line in 2020. The AWWA meter capacity ratio recognizes increased water capacity of increasing water meter sizes was used to calculate equivalent meter capacity. A second factor recognizes the varying water use behaviors of multifamily, commercial and irrigation-only water customers compared to single family residential customers. The existing fees are based on a 2000 or pre-drought analysis of water use. As a result of changes to customer water use behaviors, demographics and City policies, the relationship of each customer type's 5/8-inch water meter use to the SFR 5/8-inch water meter use has changed. Tables 20 and 21 summarize the existing and updated water use by customer type and ratio to single family residential 5/8-inch customers annual and winter period water use.

**Table 20: Summary Existing and Updated Annual Water Use by Customer Type**

Customer Class	Current Fees - 2000 Study Values		Proposed Fees - 2014 Study Values	
	5/8-inch Meter Annual Water Use	Water Use Ratio to Residential	5/8-inch Meter Annual Water Use	Water Use Ratio to Residential
Residential	111.94	1.00	110.26	1.00
Multifamily	270.04	2.41	247.33	2.24
Commercial	153.47	1.37	153.13	1.39
Irrigation	252.11	2.25	276.14	2.50
Mixed Use	92.40	0.83	129.59	1.18
City	251.86	2.25	256.83	2.33

**Table 21: Summary Existing and Updated January – March Water Use by Customer Type**

Customer Class	Current Fees - 2000 Study Values		Proposed Fees - 2014 Study Values	
	5/8-inch Meter Winter Water Use (1)	Ratio to Single-Family	5/8-inch Meter Winter Water Use (1)	Ratio to Single-Family
Residential	72.00	1.00	57.12	1.00
Multifamily	211.20	2.93	196.12	3.43
Small Commercial	92.88	1.29	82.42	1.44
Mixed Use	92.88	1.29	85.00	1.49
City	92.88	1.29	70.56	1.24

(1) Annualized January through March metered water use as basis for billed sewer or winter water use.

It should be noted that irrigation-only customer water use has demonstrated the most significant changes since 2000 and the proposed fees partially phase to the updated water use compared to SFR customers of 2.50 times. 5/8-inch irrigation-only water customers used approximately 4.00 the water as a SFR 5/8-inch meter based on a relatively small number of irrigation-only customers. The City will continue to evaluate irrigation-only water use as the number of connections increase and may recommend changes to the ratio in future SDF updates.

## Water and Wastewater System Development Fees

Existing and proposed fees vary by customer type. Proposed water and wastewater SDFs reflect the fee per SFR equivalent connection adjusted by the customer type and meter size as previously discussed. The fees reflect reductions in the net system value per equivalent connection and changes to indoor and outdoor water use by customer type. The next section summarizes the assessment approach and proposed water and wastewater SDFs by customer type.

### Single Family Residential

Existing and proposed water SDFs include a non-irrigation fee component that varies by meter size and an irrigation fee component assessed per square foot of lot size. Table 22 summarizes proposed 2015 through 2020 water SDFs that phase to the calculated 2020 fee. The proposed fees