

Overview of WA-3, WA-9 and WA-8 Water Rate Classes

Riverside Public Utilities Department

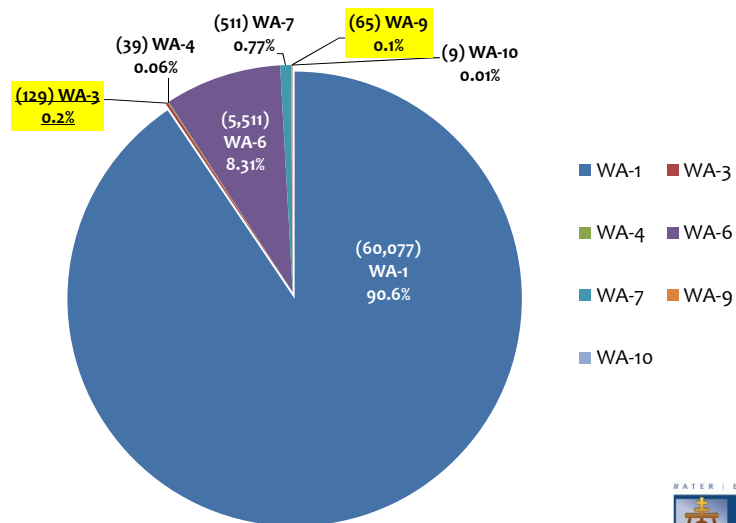
Ag Water Rates Task Force
May 24, 2018

RiversidePublicUtilities.com



1

Overall Water Customer Rate Class Distribution



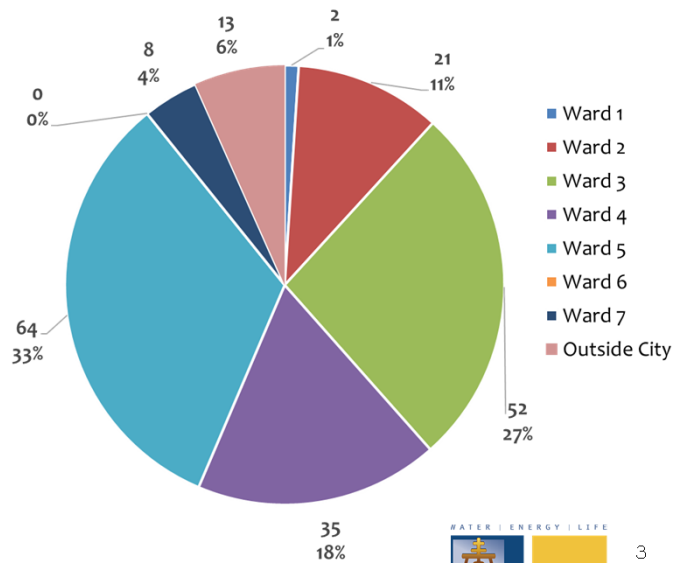
RiversidePublicUtilities.com



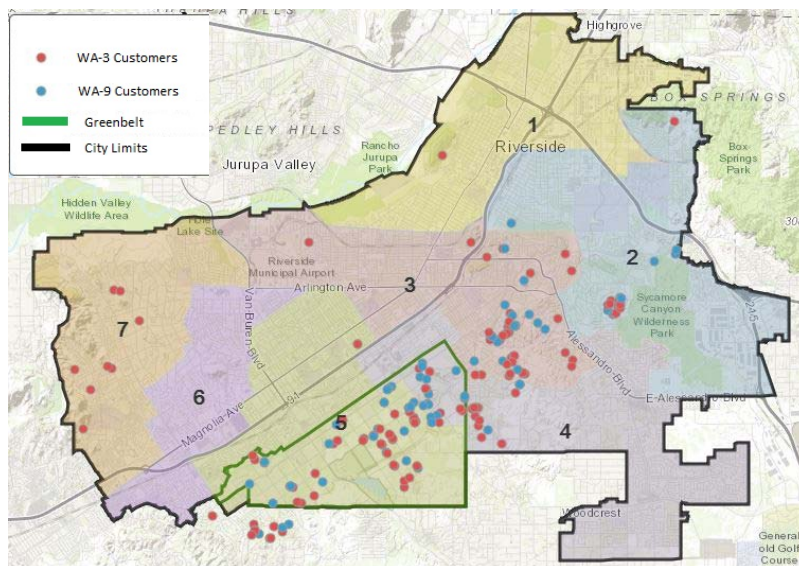
2

WA-3 / WA-9 Rate Class Statistics

1. 194 total customers
2. 129 WA-3 (66%)
3. 65 WA-9 (34%)
4. 0.3% of water customers



WA-3 / WA-9 Customer Distribution Map



81 in Greenbelt
100 outside Greenbelt
13 outside City limits

WA-3 / WA-9 Meter Size Distribution

WA-3 / WA-9 Customer Meter Size Distribution				
Meter size	# of WA-3 Customers per Size	# of WA-9 Customers per Size	Total Customers per Size	% of Total Customer Class
5/8"	-	1	1	0.52%
3/4"	15	13	28	14.43%
1"	89	41	130	67.01%
1.5"	15	3	18	9.28%
2"	10	6	16	8.25%
4"	-	1	1	0.52%
Totals	129	65	194	100%

Current WA-3 / WA-9 / WA-8 Rate Class Tariffs

Comparison of Existing WA-3 and WA-9 to WA-8 Water Rates					
	Ag WA-3 \$/CCF		Ag WA-9 \$/CCF		Gage (Ag) ^{npb} WA-8 \$/CCF ^{FY17}
First 100	\$0.81	First 15	\$0.91	First 156	\$0.1869
> 100	\$1.26	16-60	\$1.58	Second 156	\$0.433
All w/o res	\$1.26	> 60 w/res	\$1.07	> 312	\$0.866
		All w/o res	\$1.07	^{FY17} Denotes costs for FY 16/17	
* WA-3 minimum charge CCF allowance must be satisfied before variable CCF quantity rates apply				^{npb} Denotes non-potable gravity flow water WA-8 \$/CCF rate established by dividing Gage's operational costs by MID delivered	
Meter size	Minimum Charge		Per Meter / Month		Monthly Charge
5/8"	97.75*		\$7.35	**	\$29.16
3/4"	97.75*		\$7.35	***	\$9.92
1"	97.75*		\$12.21	****	\$0.1264 x CCF
1.5"	97.75*		\$24.45		
2"	97.75*		\$39.09		** Min charge for WA-8
3"	97.75*		\$73.29		= (156 CCF x acreage x \$0.1869)
4"	136.18*		\$122.15		(1 acre in this example)
6"	292.37*		\$244.33		
8"	490.85*		\$390.91		***WA-8 Min customer charge
					****WA-8 Transportation charge = (\$0.1264 / CCF delivered)

WA-3: Irrigation Metered Service

1. Established 1976 to encourage preservation of citrus heritage and groves
2. Applicability
 - a. Potable, pressurized water service
 - b. $\frac{3}{4}$ -acre or larger including either irrigated groves of at least 75 trees, commercial farming, or use of pasture
 - c. Allowed residences with “nominal” ornamental landscaping
 - d. Also applicable to governmental-owned parks

WA-3: Irrigation Metered Service

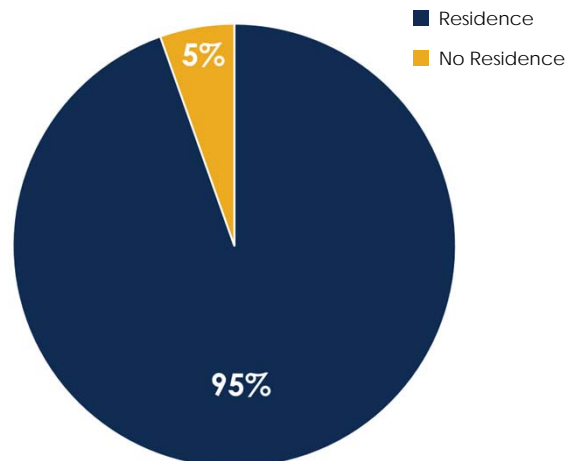
3. Implementation Challenges:
 - a. Loose definition of “groves” allowed grapevines, eucalyptus and palm trees to qualify
 - b. No “clustering” requirement
 - c. Allows large lots with lush, non-agricultural landscapes
 - d. Does not encourage efficient water use
 - e. Higher than average use observed compared to similarly sized properties on other applicable rates
 - f. Some properties no longer meet requirements

WA-3: Irrigation Metered Service

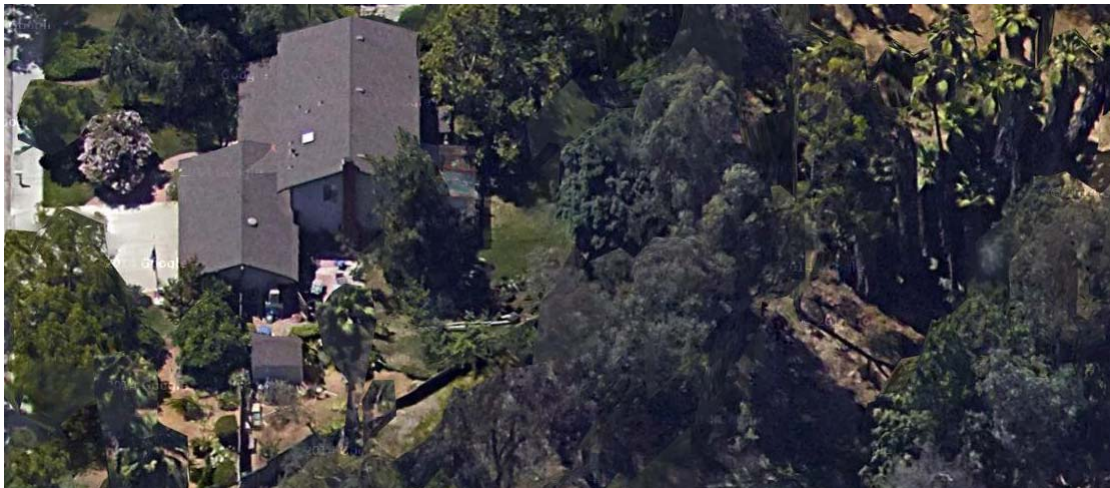
4. 2003: Closed to new customers (238 at the time)
5. 2004: City Council rejected staff proposal to transition WA-3 customers to WA-9

WA-3 Customer Class Composition

1. 129 total customers
2. 122 (95%) with residences
3. 7 (5%) without residences
4. 44 (34%) in Greenbelt
5. 75 (58%) outside Greenbelt
6. 10 (8%) outside City limits



WA-3 Customer



WA-3 Customer



WA-3 Customer



WA-9: Grove Preservation Service

1. Established 2003 to encourage preservation of fruit groves, citrus heritage
2. Comparison to WA-3:
 - a. Decreased tier CCF volume allotments
 - b. Established monthly fixed customer charge by meter size

WA-9: Grove Preservation Service

3. Applicability

- a. Potable, pressurized water service
- b. "Cluster" of 75+ qualifying trees (edible fruits/nuts)
- c. Inside Greenbelt:
 - i. $\frac{3}{4}$ -acre or larger
 - ii. Wholesale nurseries under 20 acres required to plant 2 rows citrus (Victoria Avenue: 3 rows) along street frontage

WA-9: Grove Preservation Service

3. Applicability (cont'd)

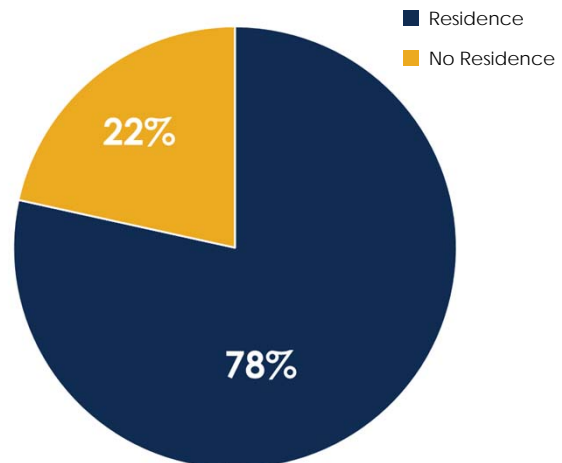
- d. Outside Greenbelt:
 - i. 5-acre or larger
 - ii. Dedicated irrigation meter for fruit/nut trees
- e. "Nominal" ornamental landscaping cannot be more than
 - i. $\frac{1}{4}$ -acre or 5% of total acreage
- f. Also applicable to governmental-owned parks that include a qualifying grove

WA-9: Grove Preservation Service

4. 2009: Closed to new customers outside the Greenbelt
 - a. Exceptions:
 - i. > 5 acres planted with fruit or nut trees, and/or
 - ii. No residence served by meter

WA-9 Customer Class Composition

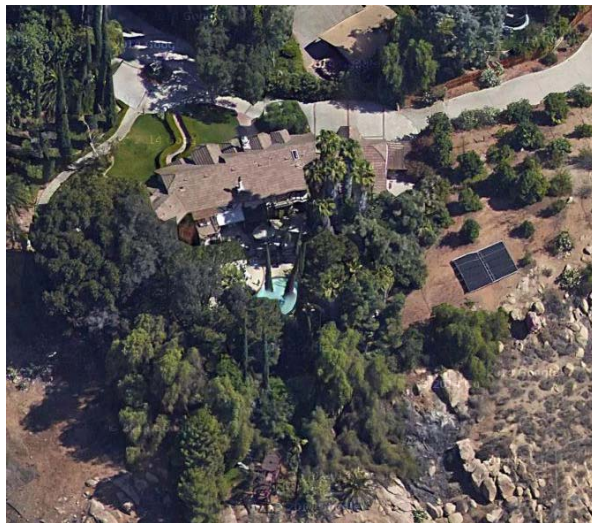
1. 65 total WA-9 customers
2. 51 (78%) with residences
3. 14 (22%) without residences
4. 37 (53%) in Greenbelt
5. 25 (43%) outside Greenbelt
6. 3 (4%) outside City limits



WA-9 Customer



WA-9 Customer



WA-9 Customer



WA-8: Greenbelt Irrigation Service

1. Established 1993
2. Provides access to Gage water
3. Measure C (1987): *"Insure that the Gage Canal water is reserved for agricultural use as the highest priority"*
4. Greenbelt Flowage Agreement (1993): Allows Gage service to properties not previously served by Gage, at owners' expense
5. Known as "Greenbelt Contract" customer

WA-8: Greenbelt Irrigation Service

6. Applicability

- a. Non-potable, unpressurized, gravity-flow water
- b. Pre-existing or new canal connection
- c. Exclusively for agricultural use
- d. Requires forced sprinkler irrigation system (no furrows)
- e. Typically requires a pond, pump and filtration system
- f. Requires backflow device if potable water onsite
- g. Requires coordination/scheduling with Gage Canal Co.

WA-8: Greenbelt Irrigation Service

- 7. Customer receives water delivery equivalent of 2 shares (or 156 CCF) per acre, per month
- 8. Gage Canal Co. delivers water and reports in MIDs
- 9. RPU converts MIDs to CCF and bills customer
- 10. Cost: \$0.1869 – \$0.866/CCF, plus \$9.92 monthly fee, and \$0.1264 per CCF delivered transportation charge
- 11. Monthly minimum charge (156 CCF x acreage x \$0.1869/CCF)

WA-8 Customer Class Composition

1. 9 total WA-8 customers
2. All in Greenbelt
3. Requests for WA-8 service received periodically
4. Biggest challenge is delivery infrastructure

Recommendation

That the Ag Water Rates Task Force receive and file this report.