



SITE CONVERSION SCENARIO (example based on actual data)

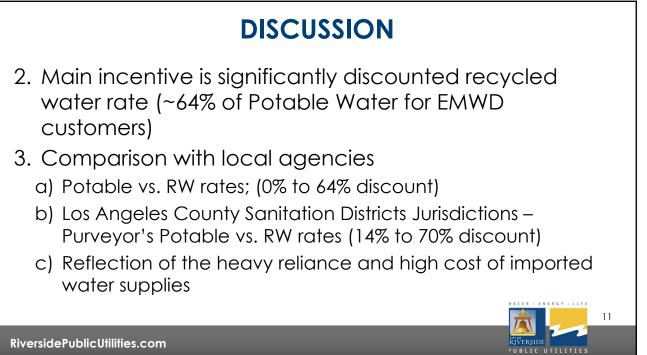
- 1. Identified usage: 3,352 ccf (11/16 11/17)
- 2. Estimated Outdoor Usage (60%): 2,011 ccf
- 3. 2-inch Service, WA-6 rate (\$1.69/ccf blended rate)

Current Usage – Potable Water Service Only

Item	Μ	onthly	A	Innual		
Meter Charge - 2-inch Potable	\$	110.68	\$	1,328.16		
Avg. Monthly Commodity Charge						
(WA-6, blended rate)	\$	472.07	\$	5,664.88		
3,352 ccf/yr x \$1.69/ccf						
	\$	582.75	\$	6,993.04	NATER ENERGY LIFE	0
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he and Peouled Water Service				
otable and Recycled Water Service	Mo	nthly	٨	nual
Meter Charge - 2-inch Potable	\$	110.68	\$	1,328.16
Meter Charge - 2-inch RW	\$	110.68	\$	1,328.16
Avg. Monthly Commodity Charge - Potable	Ŧ		Ŧ	.,020110
(WA-6, blended rate)	\$	188.86	\$	2,266.29
1,341 ccf/yr x \$1.69/ccf	т		т	_,
Avg. Monthly Commodity Charge - RW				
(WA-10)	\$	263.11	\$	3,157.27
2,011 ccf/yr x \$1.57/ccf	1			
	\$	673.32	\$	8,079.88
dditional Annual Cost to Utilize Recycled Water:				\$1,086.84

SITE CONVERSION SCENAR (continued)	lo
On-Site Conversion Cost	
Item	Estimated Cost
Site Irrigation Retrofit Plans ¹	\$26,000
Irrigation Retrofit Construction ²	\$38,200
2-inch Svc./Mtr. Installation ³	\$17,000
2-inch Backflow	\$5,000
DDW/RPU Coordination ⁴	\$3,200
	\$89,400
Cost per AF (20 yr amortization, 2,000 ccf/month) = \$89 per AF	
Notes:	
1. Per 4/24/2017 Board memo for PB/WSP contract - \$434,370 for 17 customers	
2. Aegis Engineering Management's Engineer's Estimate, July 2018	
3. 2-inch service per WSP's Initial Site Assessment in 2017	
4. Assumes 80 hours of Site Supervisor's work at \$40/hour	
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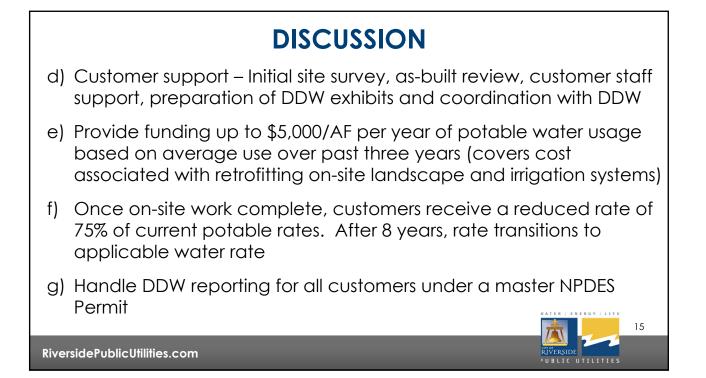
Agency	Potable Water (\$/AF)	Recycled Water (\$/AF)	Discount (%)
RPU (WA-6 vs. WA-10) ¹	\$735.49	\$683.94	7%
RPU (WA-11 vs. WA-10) ¹	\$812.81	\$683.94	16%
Eastern MWD ²	\$1,642.32	\$595.52	64%
WMWD ³	\$1,228.04	\$1,043.33	15%
Ontario ⁴	\$1,062.94	\$744.93	30%
IRWD ⁵	\$871.26	\$518.40	41%
Anaheim ⁶	\$1,568.27	\$1,568.27	0%
Corona ⁷	\$1,036.80	\$779.78	25%
Torrance	\$2,279.21	\$1,116.95	51%
San Juan Capistrano ⁸	\$2,522.30	\$1,537.77	39%
San Gabriel Valley Water Co.	\$1,521.22	\$1,293.04	15%
tes:			
2021 Blended Rates Tier 1 Potable Rate; Non-Ag Tertiary Treated Rate Tier 2 Outdoor Potable Rate Potable – Up to 15 HCF Potable Rate	5. billing is equivalent to the 7. Potable Water Budget Ro	billing is equivalent to the normal potable water rate	
Commercial/Industrial/Public Agency/Non-Res. Rate, 0-100% of Base Index Percent Usage			NATER ENERGY LIFE

Purveyor	Potable Water (\$/AF)	Recycled Water (\$/AF)	Discoun (%)
ong Beach Water Department	1,488.88	821.98 - 968.34	35 – 45
City of Cerritos	1,089.00	326.70	70
City of Lakewood	1,524.60	958.32	37
Central Basin MWD	1,268.00	759.00	40
Pomona Water Department	1,271.95	589.42	47
Walnut Valley Water District	1,550.74	814.57	43
Rowland Water District	1,441.84	906.04	42
San Gabriel Valley Water Co.	1,552.65	1,065.74 - 1,319.74	15 – 31
Suburban Water Systems	1,423.98 - 1,546.38	1,210.10 - 1,297.65	15
Valencia Heights Water Co.	1,287.20 - 1,716.26	1,019.30	20-40
Valencia Water District	801.07	686.94	14



- 4. To make RW attractive to RPU customers, RW will need to be incentivized
- 5. Range of potential options other agencies are utilizing:
 - a) Discounted RW Rates
 - b) MWD On-Site Retrofit Program Up to \$195/AF for 5 years of estimated water use
 - c) Provide RW meter connection at no cost to customer; and/or discounted monthly meter charges for recycled water service

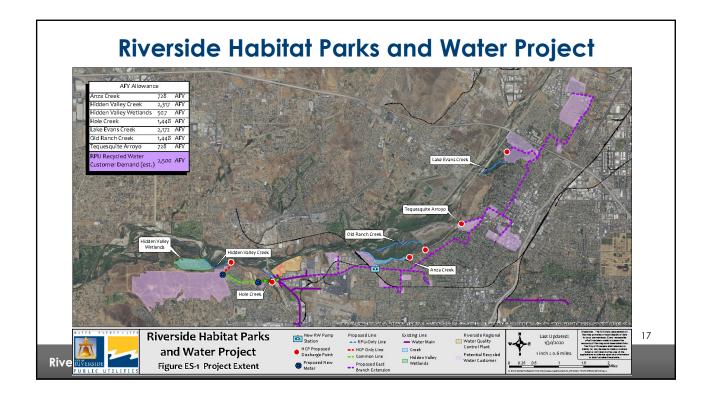


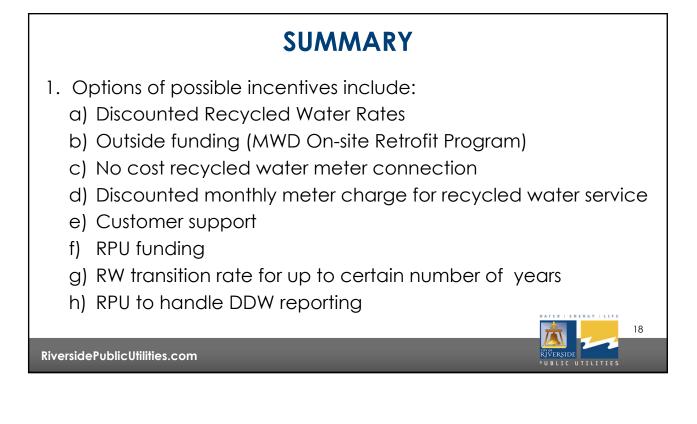


FUTURE DIRECTION OF RECYCLED WATER

- 1. Current and projected RW usage from 2020 UWMP: 141 AF (2020); 13,420 AF (2045)
- 2. Riverside Habitat Parks and Water Project Environmental uses (~9,300 AFY) and CI&I customers (2,400 AFY)
- 3. Wholesale opportunities WMWD (2,550 AFY)
- 4. Commercial and Industrial uses
- 5. Groundwater Recharge
- 6. Direct Potable Reuse (DPR)
- 7. Santa Ana River discharge (15,250 AFY Minimum)







STRATEGIC PLAN ALIGNMENT

- 1. Environmental Stewardship; High Performing Government; and Infrastructure, Mobility & Connectivity
- 2. Cross-Cutting Threads include:
 - a) Community Trust –Public discussion of recycled water conversion incentives allows for customers to be engaged and provide feedback as to what level of incentives will effectively promote the implementation of recycled water by RPU customers, thereby enhancing community trust.
 - b) Equity Although recycled water service is only initially available to commercial, industrial, and institutional customers, as the program matures, consideration will be given to expand and grow the use of recycled water within the RPU service area and make it more equitably available to all RPU customers. Initial program benefits include the use of recycled water to help keep parks, schools and open spaces greener for all of the City's residents to benefit from during times of drought and mandatory water conservation restrictions.

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STRATEGIC PLAN ALIGNMENT

- **1. Fiscal** Determining the right balance of incentives for customer site conversions ensures that the benefits of implementing recycled water at a customer's site can be realized by both RPU and the customer in a financially responsible manner.
- 2. Innovation –The implementation of recycled water is part of the 'One Water One Riverside' concept is an integrated approach to community-based water management and provides another kind of water which can be utilized by some customers to meet their needs; the use of recycled water for some customers is a creative solution that frees up potable water for others.
- **3. Sustainability & Resiliency** –The implementation of a currently under-utilized resource helps benefit all of RPU's customers by freeing up precious and limited potable water resources while also providing additional resiliency to the landscaping of City of Riverside commercial, institutional and industrial customers during periods of drought.

