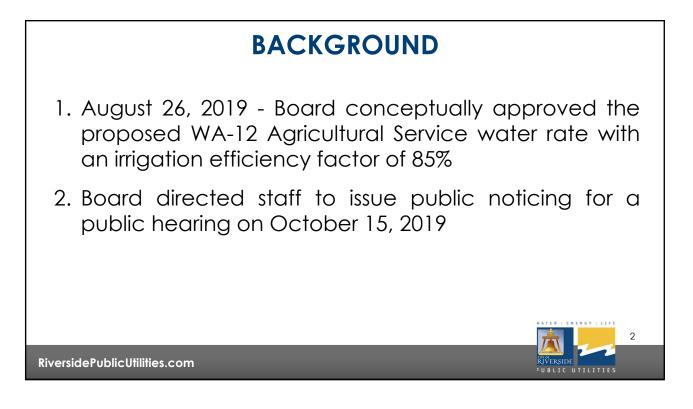
BLIC UTILITIES



JOINT PUBLIC HEARING FOR THE PROPOSED WA-12 AGRICULTURAL SERVICE WATER RATE SCHEDULE

Public Utilities Department

City Council and Board of Public Utilities October 15, 2019



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BLIC UTILITIES

REVISIONS TO WA-12 RATE SCHEDULE SINCE AUGUST 26, 2019 RPU BOARD MEETING

- 1. Revised allocation formula to include specific irrigation efficiency factor of (1/.85), or 85%
- 2. Added definition for Irrigation Efficiency (IE)
- 3. Added clarifying language to Definitions 1. b for properties receiving Gage Canal water



WA-12 RATE SCHEDULE TIER STRUCTURES

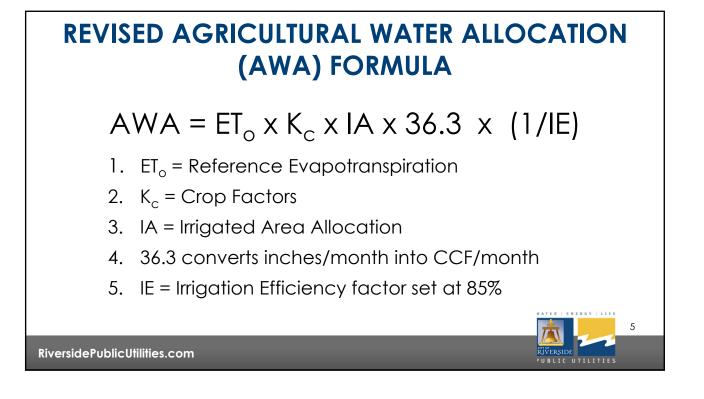
WA-12 (with residence)

Tier 1 – 0 to 9 CCF	Charged equivalent to WA-1A Tier 1
Tier 2 – Water Allocation	Calculated based on tree or crop needs
Tier 3 – up to next 26 CCF; > (Tier 1 + Tier 2)	Charged equivalent to WA-1A Tier 2
Tier 4 – All CCF usage; > (Tier 1 + Tier 2 + Tier 3)	Charged equivalent to WA-1A Tier 3

WA-12 (without residence)

Tier 1 – Water Allocation	Calculated based on tree or crop needs
Tier 2 – All CCF usage; > Tier 1	Charged equivalent to WA-6
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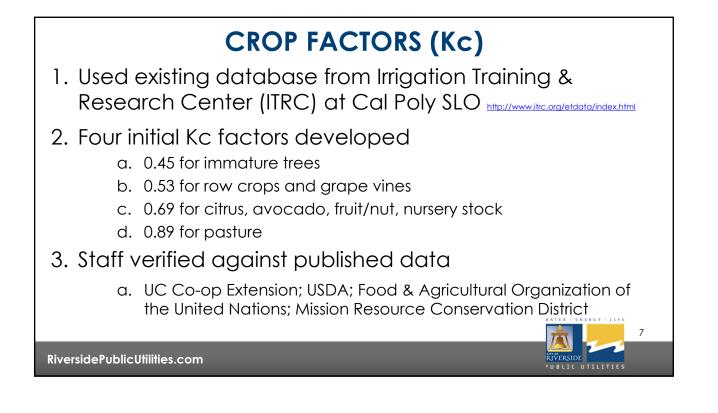




REFERENCE EVAPOTRANSPIRATION RATE (ETo)

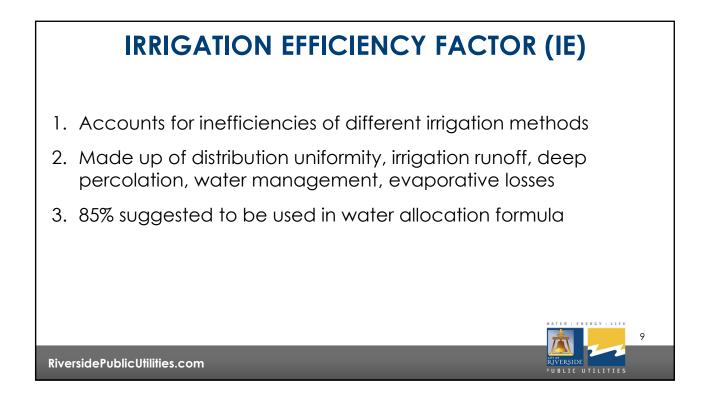
- 1. The amount of water required to maintain cool season grass of 4" 7" tall (reference crop)
- 2. Varies due to location, wind, humidity and temperature
- 3. Higher in summer, lower in winter
- 4. Rolling 15 year monthly average of ETo
 - a. Using CIMIS station #44 located at UCR
 - b. Average updated annually
 - c. Riverside in CIMIS Zone 6







- 1. Two approaches of area allocation for qualifying crops:
 - a. Measured planted area allocation for Orchards, row crops, nursery stock, vineyards, pasture
 - b. Fixed area allocation for individually planted trees or grape vines; 400 square feet per tree; 100 square feet per grape vine
- 2. Verified by physical onsite inspection, parcel map, aerial photos
- 3. Irrigated Area Allocation (IA) is lesser of the two
- 4. Excludes buildings, roads, pathways, hardscapes, landscaping, ornamental turf, and fallow areas





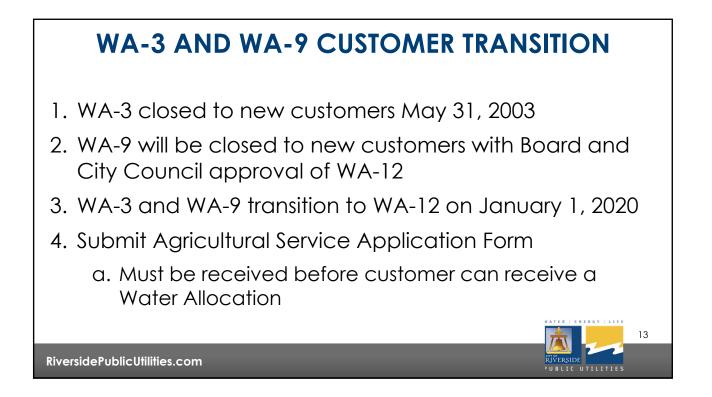
EXAMPLE WA-3 CUSTOMER WATER ALLOCATION

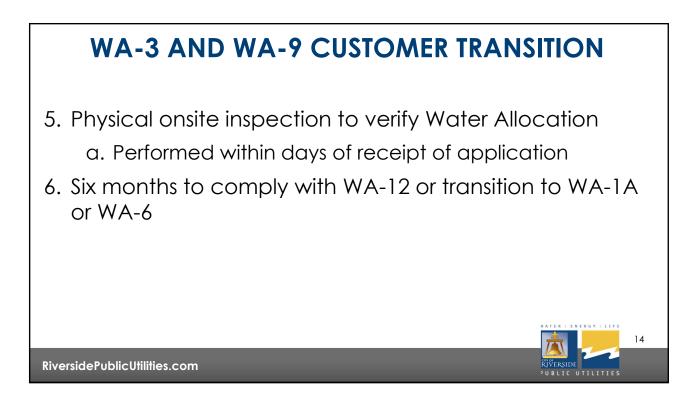
Existing WA-3 customer on 1.32 acre parcel (w/residence)

- 1. Includes 159 avocado, 17 citrus trees, and ornamental landscaping
- 2. Planted area of qualifying agriculture = 0.76 acres, or 33,106 sq ft
- 3. Fixed area for 176 trees at 400 sq ft/tree = 70,400 sq ft, or 1.62

		-	CIM	IS Station	#44 Referer	ce 15 year av	verage ET_	2004-201	8) in inches / r	nonth		
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
	2.61	2.92	4.66	5.68	6.42	7.02	7.47	7.17	5.7	4.07	2.89	2.29
$K_{c}\xspace$ for citrus, avocado, fruit and nut trees, and nursery stock	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
ET _{crop} (CCF/acre/mo)	65.37	73.14	116.72	142.27	160.80	175.83	187.10	179.59	142.77	101.94	72.39	57.36
Irrigation Efficiency (IE)	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
ET _{crop} (CCF/acre/mo) with IE	77.00	86.00	137.00	167.00	189.00	207.00	220.00	211.00	168.00	120.00	85.00	67.00
Irrigated Area in acres (IA)	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76
Monthly CCF allocation	59	65	104	127	144	157	167	160	128	91	65	51
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EXAMPLE WA-3 CUSTOMER BILL											
Existing WA-3 customer on 1.32 acre parcel (w/residence)											
Based on 0.76 acres of irrigated area an	id July u	sage of	f 233 CCF	=							
July Example - 233 Total CCF usage		With									
WA-12 Tier	Rate	CCF	Charge								
Tier 1 – 0 to 9 CCF	\$ 1.19	9	\$ 10.71								
Tier 2 – Water Allocation in CCF	\$ 1.19	167	\$ 198.73								
Tier 3 – up to next 26 CCF > (Tier 1 + Tier 2)	\$ 1.50	26	\$ 39.00								
Tier 4 – All CCF usage > (Tier 1 + Tier 2 + Tier 3)	\$ 3.37	31	\$ 104.47								
Customer Charge- 1-inch Meter	\$ 28.69		\$ 28.69								
Total prior to taxes and surcharges			\$ 381.60								
RiversidePublicUtilities.com	-	_	RIVERSIDE 2 U B L I C U T		12						





WA-12 APPLICATION FORM INFORMATION Name, address, APN, parcel size, residence Estimated acreage of planted areas, row crop, pasture, nursery Is there livestock Estimated number and types of trees Does property receive Gage Canal water Are multiple contiguous parcels being farmed

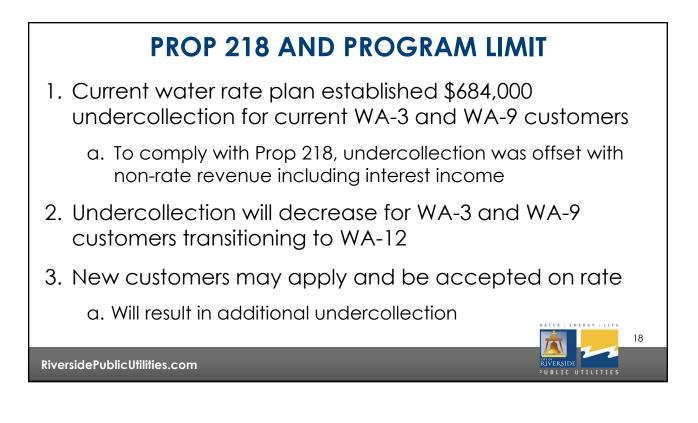
WA-12 WATER ALLOCATION

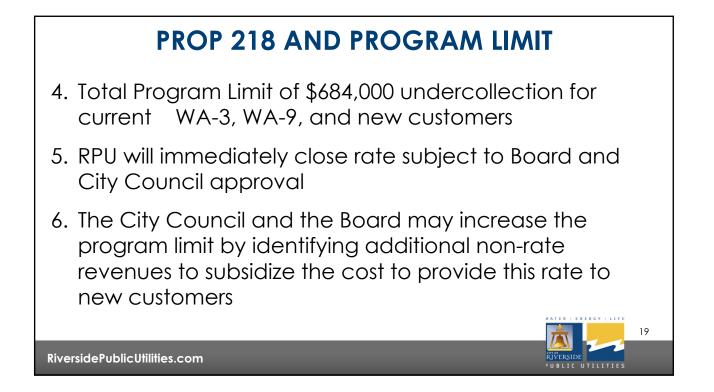
Reduced agricultural water allocation for customers with residences that own Gage Canal Company shares or receive non-potable water deliveries from the Gage Canal Company via WA-8 Greenbelt Irrigation Service

- 1. Reduced allocation up to 156 CCF/planted acre/month for planted areas irrigated by Company for those months the Company can provide delivery
- 2. Reduction based on actual deliveries of Gage water and verified by RPU



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RECOMMENDATIONS

That the City Council and Board of Public Utilities:

 Conduct a public hearing to receive public input related to the proposed WA-12 Agricultural Service water rate schedule, close the existing WA-9 Grove Preservation Service water rate schedule, and transition the existing WA-3 Irrigation Metered Service and WA-9 Grove Preservation Service customers to the WA-12 Agricultural Service water rate schedule; and consider and tabulate all written protests to the proposed action; and



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RECOMMENDATIONS

2. Adopt resolutions recording receipt of written protests to the proposed WA-12 Agricultural Service water rate schedule, closing the existing WA-9 Grove Preservation Service water rate schedule effective October 15, 2019, transitioning the existing WA-3 Irrigation Metered Service and WA-9 Grove Preservation Service customers to the WA-12 Agricultural Service water rate schedule, and, if no majority protest is received to the water rate, establishing and approving the WA-12 Agricultural Service water rate schedule effective January 1, 2020, all as further described in the resolutions.