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PROPOSED WA-12 AGRICULTURAL SERVICE RATE SCHEDULE

Public Utilities Department

Board of Public Utilities August 26, 2019

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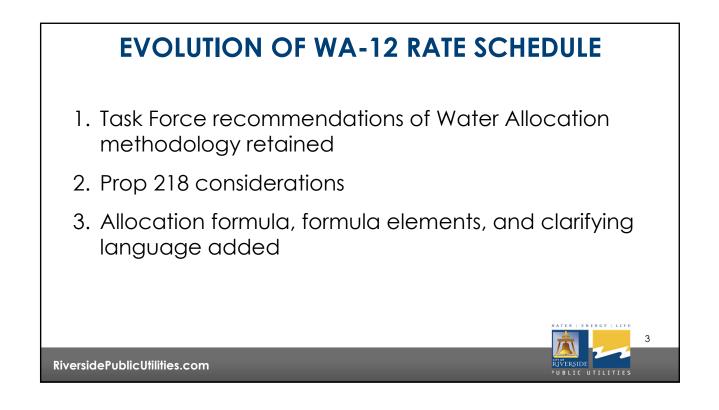


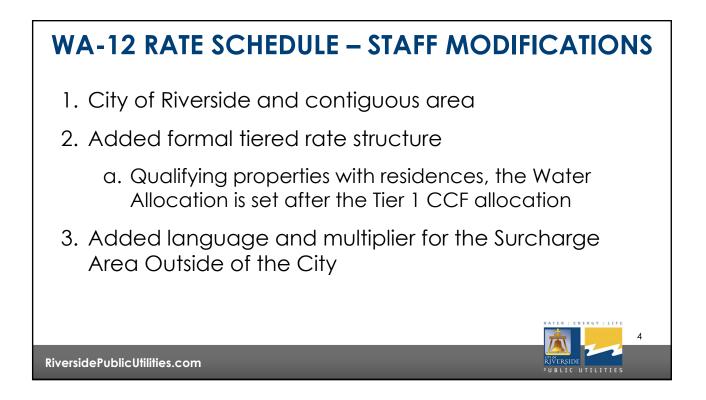
- 1. Board appointed Agricultural Water Rates Task Force to provide rate alternatives to WA-3 and WA-9
- 2. Council froze WA-3 (Irrigation Metered Service) and WA-9 (Grove Preservation Service) for one year
- 3. Task Force developed rate alternative proposal but no fiscal impact
 - a. Was supported by Board and Council
 - b. Board requested fiscal impact of rate freeze and the rate structure
 - c. City Council directed staff to return with rate proposal, use UCR crop factors, allow adjoining properties to qualify, and create a Task Force to further explore other opportunities

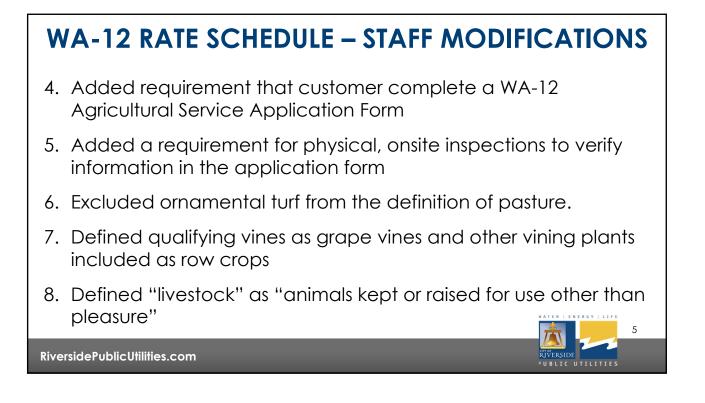
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WA-12 RATE SCHEDULE – STAFF MODIFICATIONS

- Allowed parcels smaller than ½ acre to participate in this rate if multiple contiguous parcels have a combined area of one-half acre with Qualifying Agriculture and each contiguous parcel has its own water service
- 10. Added definitions for:
 - a. Agricultural Water Allocation (AWA)
 - b. Irrigated Area Allocation (IA)
 - c. Crop Factors (Kc)
 - d. Reference Evapotranspiration (ETo)



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WA-12 RATE SCHEDULE – STAFF MODIFICATIONS

- 11.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
 - a. Reduced allocation up to 156 CCF/planted acre/month for planted areas irrigated by Company for those months the Company can provide delivery
- 12.Added a limit to the rate of \$684,000 of undercollection of costs to comply with Prop 218
- 13. Required that customers used a forced sprinkler irrigation system instead of a gravity-fed irrigation system.

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WA-12 (with residence)

Tier 1 – 0 to 9 CCF	Charged equivalent to WA-1A Tier 1
Tier 2 – Water Allocation	Calculated based on ETo, Kc, IA factors
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)

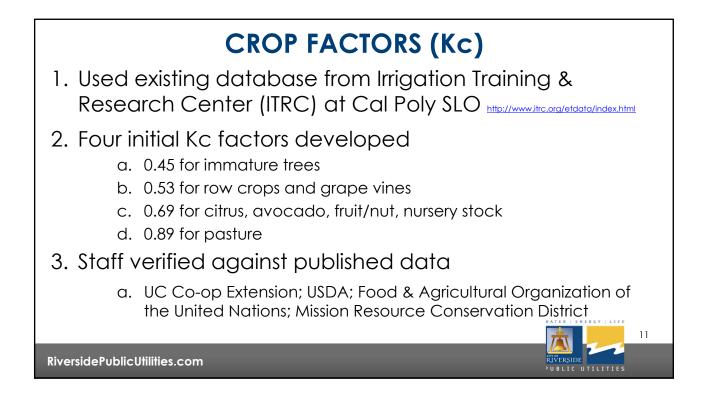
Tier 1 – Water Allocation	Calculated based on ETo, Kc, IA factors
Tier 2 – All CCF usage; > Tier 1	Charged equivalent to WA-6
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REFERENCE EVAPOTRANSPIRATION RATE (ETO)

- 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





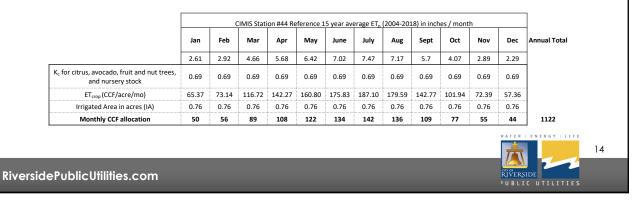


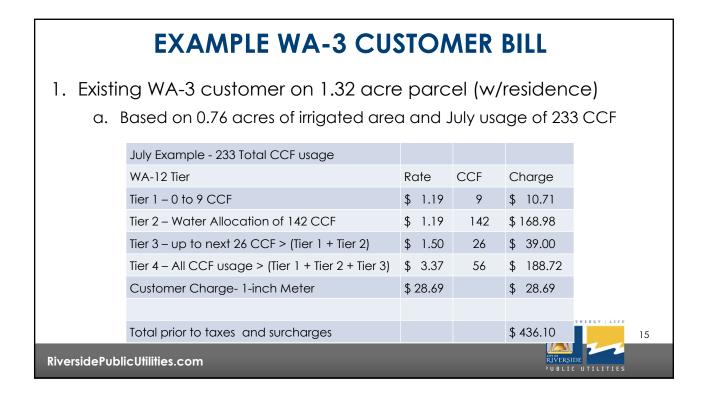
- 1. Two approaches of area allocation for qualifying crops:
 - a. Measured planted area allocation for Orchards, row crops, nursery stock, vineyards, pasture
 - b. Fixed area allocation for individually planted trees or grape vines; 400 square feet per tree; 100 square feet per grape vine
- 2. Verified 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

- 1. Existing WA-3 customer on 1.32 acre parcel (w/residence)
 - a. Includes 159 avocado, 17 citrus trees, and ornamental landscaping
 - b. Planted area of qualifying agriculture = 0.76 acres, or 33,106 sq ft
 - c. Fixed area for 176 trees at 400 sq ft/tree = 70,400 sq ft, or 1.62 acres
 - d. Lesser area allocation of 0.76 acres used

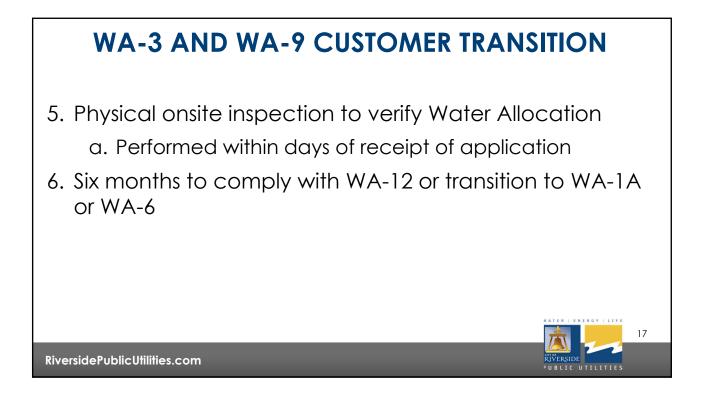




WA-3 AND WA-9 CUSTOMER TRANSITION

- 1. WA-3 closed to new customers May 31, 2003
- 2. WA-9 will be closed to new customers with Board and City Council approval of WA-12
- 3. WA-3 and WA-9 transition to WA-12 on January 1, 2020
- 4. Submit Agricultural Service Application Form
 - a. Must be received before customer can receive a Water Allocation

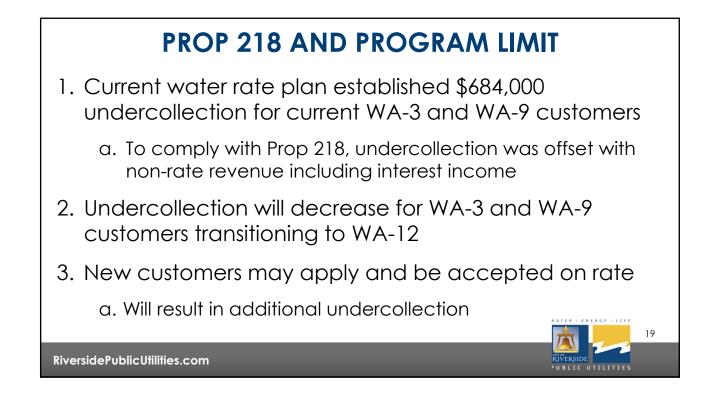
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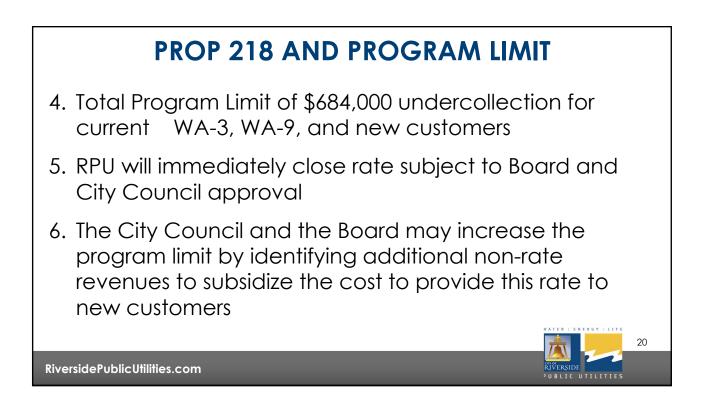


WA-12 APPLICATION FORM INFORMATION

- 1. Name, address, APN, parcel size, residence
- 2. Estimated acreage of planted areas, row crop, pasture, nursery
- 3. Is there livestock
- 4. Estimated number and types of trees
- 5. Does property receive Gage Canal water
- 6. Are multiple contiguous parcels being farmed

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RECOMMENDATIONS

That the Board of Public Utilities:

- 1. Receive the presentation on the proposed WA-12 Agricultural Service water rate schedule;
- 2. Conceptually approve the proposed WA-12 Agricultural Service water rate schedule, closing WA-9 Grove Preservation Service upon approval of WA-12 Agricultural Service water rate and transitioning existing WA-3 Irrigation Metered Service and WA-9 Grove Preservation Service Customers to the WA-12 Agricultural Service water rate schedule upon the effective date of the WA-12 Agricultural Service water rate schedule; and

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RECOMMENDATIONS

3. Direct staff to prepare all documents necessary for public noticing of the proposed WA-12 Agricultural Service water rate schedule, and schedule a public hearing to be held at the October 15, 2019 Board of Public Utilities meeting, followed by final rate recommendations to the City Council.



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