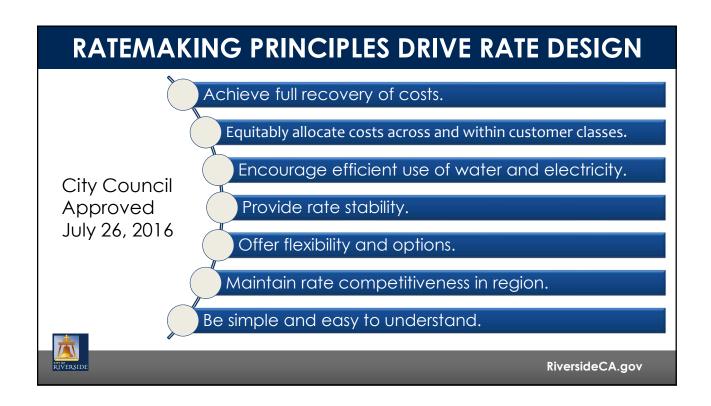


ELECTRIC AND WATER RATE STRUCTURES

Finance/Rates Division

Customer Relations/Finance Committee May 16, 2022



RPU CURRENT RATES				
Rate Type Electric Water			er	
	Residential	Other	Residential	Other
Residential / Domestic	Χ		Χ	
Domestic Time of Use / Electric Vehicle (EV)	X			
Commercial / Industrial		Χ		Χ
Economic Development		Χ		
Net Energy Metering	Χ	Χ		
Feed-In Tariff		Χ		
Stand-By-Service		Χ		
Agricultural & Pumping / Wind Machines		Χ		
Street / Outdoor Lighting		Χ		
Traffic Control Service		Χ		
Agricultural Service			Χ	Χ
Riverside Water Company Irrigators			Χ	Χ
Landscape / Interruptible Irrigation / Greenbelt Irrigation				Χ
Fire Protection / Fire Hydrants / Temporary Service				X
Recycled Water				Χ

PROPOSITION 218

- 1. Approved by voters in 1996
- 2. Amended California Constitution
- 3. Requires voter approval prior to imposition or increase of general taxes, assessments, and certain user fees
- 4. Utility rates may not exceed the cost of providing the service
- 5. Any excess subject to voter approval
- 6. Applies to water, sewer and refuse rates
- 7. Does not apply to electric rates

RIVERSIDE

PROPOSITION 218: PROCESS APPROVAL OF RATES

- 1. 45 days' mailed notice of the proposed increase
- 2. Majority protest public hearing (50% plus 1)
- 3. Applies to water, refuse, sewer rates
- 4. Does not apply to electric rate



5

RiversideCA.gov

PROPOSITION 26

- 1. Approved by voters in 2010
- 2. Amended California Constitution
- 3. Reaction to Sinclair Paint Co. v. State Board of Equalization
 - a. 1997 California Supreme Court case
 - b. Upheld state fees imposed on business that made products containing lead
 - c. Fee funded health services to children and to mitigate lead contamination
 - d. Court upheld the fee as a regulatory fee



6

PROPOSITION 26

- 1. Requires voter approval of certain fees, levies, charges and tax revenue allocations
- 2. Seven exemptions
- 3. Overall effect: charges that exceed the cost of service must be approved by voters because they are now "taxes" unless exempt
- 4. Applies to electric rates
 - a. Electric rates may not exceed the cost of providing the service
 - b. Any excess requires voter approval

7

RiversideCA.gov

ELECTRIC RATES



8

RiversideCA.gov

RIVERSIDE

ELECTRIC RATE TERMINOLOGY



Customer Charge:

- Monthly fixed charge that applies independent of consumption
- Also called a Basic Charge or Meter Charge



Demand Charge:

 Monthly charge based on the highest instantaneous usage rate (usually highest hour) during the month or year



Energy Charge:

- Price per kWh
- May be more than one block (tier)
- May be seasonal, or time-varying



Reliability Charge:

 Monthly charge based on panel size or monthly usage or demand depending on customer class



Network Access Charge:

 Monthly charge based on monthly usage or demand depending on customer class

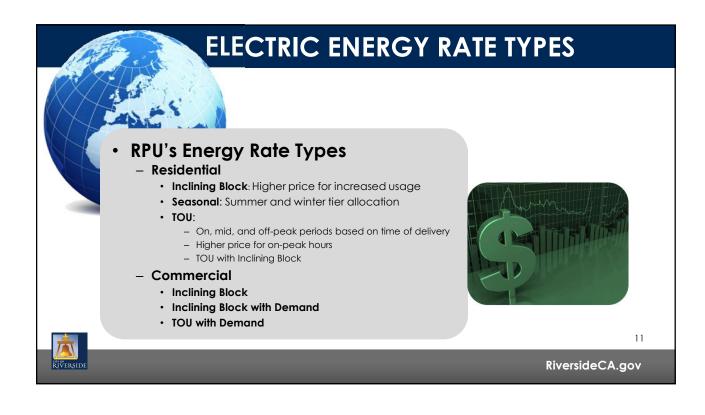
9

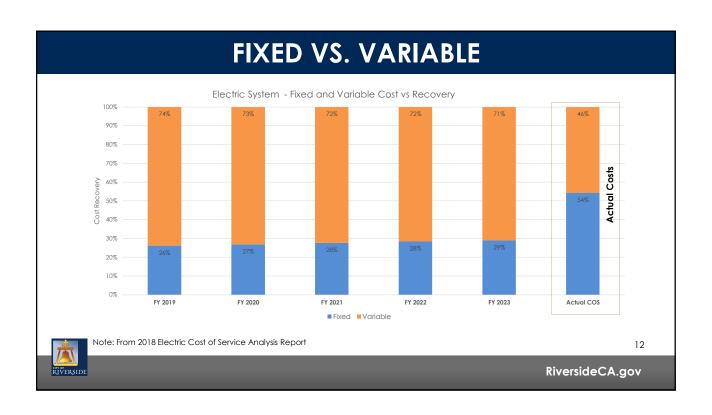
RiversideCA.gov

ELECTRIC DEFINITIONS – RATE COMPONENTS

Rate Component	Definition	Fixed	Variable
Customer Charge	Recovers costs incurred in direct support of the customer including costs associated with labor, equipment, and investments for customer accounting, billing, and customer assistance.	X	
Energy Charge	Recovers costs that change with the changes in electric load. The primary example of energy-rated costs are fuel and purchased power costs.		Χ
Demand Charge	Recovers costs that are related to the existing and future investments made to produce, transmit, and deliver power from the generation resources to customers.	X	
Network Access Charge	Recovers the demand-related costs to maintain the distribution system to provide power and energy to service customers.	Х	
Reliability Charge	Recovers costs to improve the reliability of Riverside's internal transmission system and provide internal generation of power and energy to service customers.	Х	

10





ELECTRIC RATE STRUCTURES - DOMESTIC

	Effective January 1, 2022
Customer Charge (\$/month)	\$11.26
Network Access Charge (\$/month)	
Tier 1 (< or = 12 Daily Avg kWh Usage)	\$1.94
Tier 2 (>12 - 25 Daily Avg kWh Usage)	\$4.65
Tier 3 (>25 Daily Avg kWh Usage)	\$10.24
Energy Charge (\$/kWh)	
Tier 1 (0-750 S; 0-350 W)	\$0.1087
Tier 2 (751–1,500 S; 351–750 W)	\$0.1729
Tier 3 (>1,500 S; >750 W)	\$0.1961
Reliability Charge (\$/month)	
Small Residence (<100 Amp)	\$10.00
Medium Residence (101–200 Amp)	\$20.00
Large Residence (201-400 Amp)	\$40.00
Very Large Residence (>400 Amp)	\$60.00
Notes: 1) Includes Multi-Family with tier allotments for each indivi	dual family accommodation



Includes closed variations for electric water hear, electric space heater, and all electric homes.

RiversideCA.gov

13

ELECTRIC RATE STRUCTURES – DOMESTIC TIME-OF-USE

\$10.00

\$20.00

\$40.00

\$60.00

Effective	Customer Charge (\$/N	Nonth)	\$11.26	
January 1, 2022	Network Access Charge (\$/month)			
January 1, 2022	Tier 1 (< or = 12 Daily)	Tier 1 (< or = 12 Daily Avg kWh Usage)		
	Tier 2 (>12 - 25 Daily A	vg kWh Usage)	\$4.65	
	Tier 3 (>25 Daily Avg k	(Wh Usage)	\$10.24	
	Energy Charge (\$/kWh	1)		
	Summer– On Peak	Tier 1 (0-330 kWh)	\$0.1834	
		Tier 2 (>330 kWh)	\$0.2934	
	Summer-Mid Peak	Tier 1 (0-550 kWh)	\$0.1192	
		Tier 2 (> 550 kWh)	\$0.1907	
	Summer – Off Peak	Tier 1 (0-220 kWh)	\$0.0917	
		Tier 2 (>220 kWh)	\$0.1467	
	Winter – On Peak	Tier 1 (0-135 kWh)	\$0.1376	
		Tier 2 (>135 kWh)	\$0.2202	
	Winter – Mid Peak	Tier 1 (0-250 kWh)	\$0.1100	
		Tier 2 (>250 kWh)	\$0.1760	
	Winter – Off Peak	Tier 1 (0-115 kWh)	\$0.0917	
		Tier 2 (>115 kWh)	\$0.1467	

Reliability Charge (\$/month) Small Residence (<100 Amp)

Medium Residence (101–200 Amp)

Very Large Residence (>400 Amp)

Large Residence (201-400 Amp)



ELECTRIC RATE STRUCTURES – DOMESTIC ELECTRIC VEHICLE SEPARATELY METERED

Effective January 1, 2022

Customer Charge (\$/Month) \$1	
Energy Charge (\$/kWh)	
Summer Season	
On Peak	\$0.2714
Mid Peak	\$0.1550
Off Peak	\$0.1087
Winter Season	
On Peak	\$0.2037
Mid Peak	\$0.1430
Off Peak	\$0.1087

Note: Customer receives one Domestic Rate Tier 3 Network Access Charge.

15

RIVERSIDE

RiversideCA.gov

ELECTRIC RATE STRUCTURES - COMMERCIAL - FLAT CLASS

Effective January 1, 2022

Customer Charge (\$/month)	\$20.50
Network Access Charge (\$/month)	
Tier 1 (0-500 kWh)	\$2.79
Tier 2 (501-1,500 kWh)	\$7.91
Tier 3 (1501-3000 kWh)	\$14.08
Tier 4 (>3000 kWh)	\$33.86
Energy Charge (\$/kWh)	
Tier 1 (0-15,000 kWh)	\$0.1450
Tier 2 (>15,000 kWh)	\$0.2215
Reliability Charge (\$/month)	
Tier 1 (0-500 kWh)	\$10.00
Tier 2 (501-1,500 kWh)	\$30.00
Tier 3 (>1,500 kWh)	\$60.00

Note: Applicable to commercial customers with a monthly maximum demand not exceeding 20 kW in any two of the preceding 12 months.

16



ELECTRIC RATE STRUCTURES – COMMERCIAL – DEMAND CLASS

Effective Janua	ary 1, 2022
-----------------	-------------

	, ,
Customer Charge (\$/month)	\$17.68
Network Access Charge (\$/kW)	\$1.40
Energy Charge (\$/kWh)	
Tier 1 (0-30,000 kWh)	\$0.1212
Tier 2 (>30,000 kWh)	\$0.1328
Demand Charge (\$/kW)	
First 15 kW	\$160.20
All excess kW	\$10.68
Reliability Charge (\$/month)	\$90.00

Note: Applicable for commercial customers with a billing demand equal to or exceeding 20 kW but less than 150 kW in any two of the preceding 12 months.

17

E Verside

RiversideCA.gov

ELECTRIC RATE STRUCTURES – INDUSTRIAL TIME-OF-USE CLASS

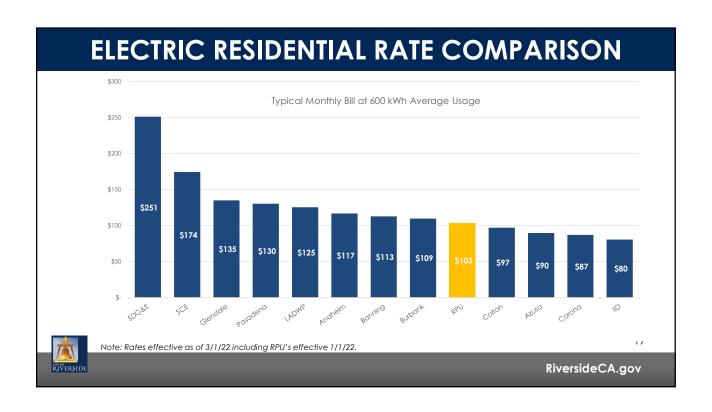
Rate Component	Effective January 1, 2022
Customer Charge (\$/month)	\$666.28
Network Access Charge (\$/Max kW)	\$2.34
Energy Charge (\$/kWh)	
On-Peak	\$0.1124
Mid-Peak	\$0.0922
Off-Peak	\$0.0787
Demand Charge (\$/kW)	
On-Peak	\$7.27
Mid-Peak	\$3.64
Off-Peak	\$1.82
Reliability Charge (\$/month, on Max kW)	
<= 100 kW	\$350.00
101-150 kW	\$750.00
151-250 kW	\$900.00
251-500 kW	\$1,100.00
501-750 kW	\$1,850.00
> 750 kW	\$2,650.00

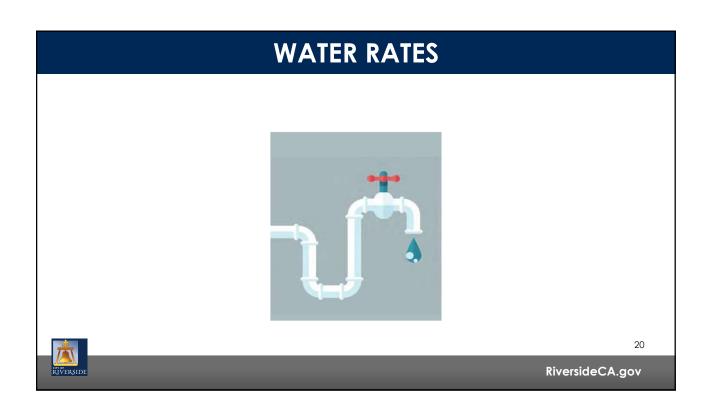
Note: Applicable for a commercial/industrial customers with a monthly demand level equal to or exceeding 150 kW for any two of the preceding 12 months.

RiversideCA.gov

18







WATER RATE TERMINOLOGY



Customer Charge:

- Monthly fixed charge that applies independent of consumption
- Also called a Basic Charge or Meter Charge
- Based on meter size



Quantity/Consumption Charge:

- Price per CCF (One hundred cubic feet = 748 gallons)
- May be more than one block (tier)
- May be seasonal



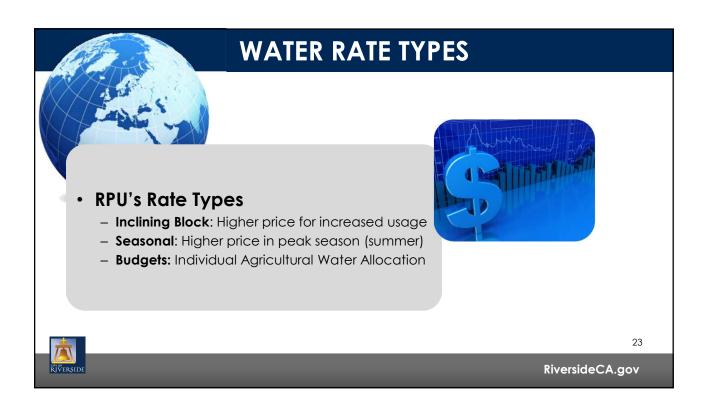
21

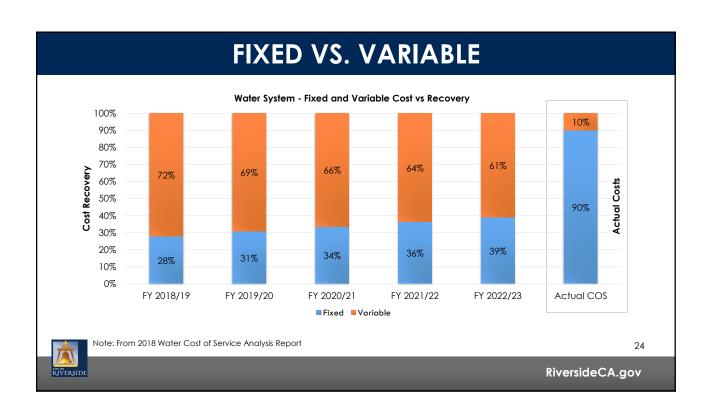
RiversideCA.gov

WATER DEFINITIONS – RATE COMPONENTS

Rate Component	Definition	Fixed	Variable
Customer Charge	Fixed costs that relate to operational support activities including accounting, billing, customer service, and administrative and technical support, along with meter and capacity related costs such as maintenance and system capital based on each customer's capacity.	X	
Quantity/ Consumption Charge	Recovers costs incurred by the water system to provide a basic level of service, and the sources of supply costs.		Х
Outside City	Additional capital costs incurred to meet demands for water from the City's customers who reside outside of the City and who require additional infrastructure to receive water service.	X	X

ŘÍVERSIDE





WATER RATE STRUCTURES - CUSTOMER CHARGE *

Meter Size	Effective July 1, 2021
3/4" & 5/8"	\$23.08
1"	\$36.63
1.5"	\$70.22
2"	\$110.68
3"	\$205.16
4"	\$340.10
6"	\$744.72
8"	\$1,216.71
10"	\$1,891.02
12"	\$2,700.26



25

RiversideCA.gov

WATER RATE STRUCTURES - RESIDENTIAL

Single Family Residential WA-1A	Effective July 1, 2021			
Consumption Rates (\$/CCF*)	Winter	Summer		
Tier 1 (First 9)	\$1.26	\$1.26		
Tier 2 (10-35)	\$1.58	\$1.58		
Tier 3 (> 35)	\$2.91	\$3.55		

Multi-Family Residential WA-1B**	Effective July 1, 2021		
Consumption Rates (\$/CCF*)	Winter	Summer	
Tier 1 (First 7 per unit)	\$1.25	\$1.25	
Tier 2 (> 7 per unit)	\$1.81	\$2.05	

^{*} One hundred cubic feet (CCF) = 748 gallons

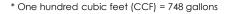


26

^{**}Applicable to Multi-Family Dwelling Units with 2 to 4 units.

WATER RATE STRUCTURES – COMMERCIAL, INDUSTRIAL, OTHER

Commercial and Industrial WA-6	Effective July 1, 2021	
Consumption Rates (\$/CCF*)	Winter	Summer
All Usage	\$1.58	\$1.84
Interruptible City WA-7 &		
Recycled Water WA-10	Effective	July 1, 2021
Consumption Rates (\$/CCF*)	Winter	Summer
All Usage	\$1.57	\$1.57
Landscape Irrigation WA-11	Effective	July 1, 2021
Consumption Rates (\$/CCF*)	Winter	Summer
All Usage	\$1.67	\$2.14



27

RiversideCA.gov

WATER RATE STRUCTURES – AGRICULTURAL SERVICE

WA-12 Agricultural Service With Residence	Effective July 1, 2021		
Consumption Rates (\$/CCF**)	Winter	Summer	
Tier 1 (First 9)	\$1.26	\$1.26	
AWA* (CCF allocation per customer)	\$1.26	\$1.26	
Tier 2 (Next 26 CCF above Tier 1+AWA)	\$1.58	\$1.58	
Tier 3 (all CCF above Tier 1+AWA+Tier 2)	\$2.91	\$3.55	

WA-12 Agricultural Service Without Residence	Effective July 1, 2021		
Consumption Rates (\$/CCF**)	Winter	Summer	
AWA* (CCF allocation per customer)	\$1.26	\$1.26	
All CCF above AWA	\$1.58	\$1.84	

*AWA: Agricultural Water Allocation in CCF per month, per Customer

AWA = evapotranspiration rate x crop factor x irrigated planted area x irrigation efficiency factor

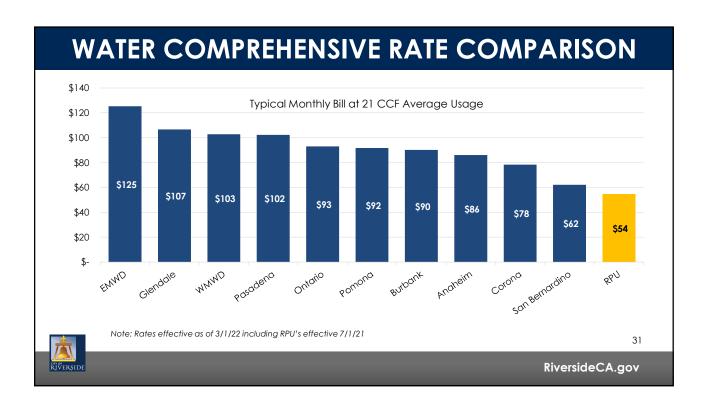
28



^{**} One hundred cubic feet (CCF) = 748 gallons

Greenbelt Irrigation Service (WA-8)			Effective June 1, 2021
Customer Charge	(Per Meter/Per Month)		\$9.92
Minimum Charge (First 156 CCF* per acre)	(Per Meter/Per Month/Per Acre)	Gage Canal Co. Rate	\$33.33
Excess water/variable charges			
(Over 156 CCF per month per acre)	(Per CCF/Per Month/Per Meter)		
Next 156 CCF		Gage Canal Co. Rate	\$0.433
CCF in excess of 312 CCF		Gage Canal Co. Rate	\$0.866
Transportation Charge	(Per CCF/Per Month/Per Meter)	Gage Canal Co. Rate	\$0.1922
	nundred cubic feet (CCF) = 748 gallons		

Riverside Water Company Irrigators WA-4	ater Company Irrigators Effective July 1, 2021		_	
Consumption Rates (\$/CCF*)	Winter	Summer		
Tier 1 (First 15)	\$1.29	\$1.29		
Tier 2 (16-70)	\$1.55	\$1.55		
<u>Tier 3 (>70)</u>	\$2.40	\$3.10		
Temporary Service WA-2	Effect July 1			
Consumption Rates (\$/CCF*)				
All Usage	\$	2.39		
Rental Fee				
Daily Rental Fee	\$1	3.04		
Fee (26 days - 34 days)	\$39	1.00		



STRATEGIC PLAN ALIGNMENT

Strategic Priority 6 - Infrastructure, Mobility & Connectivity

Goal 6.2 - maintain, protect and improve assets and infrastructure within the City's built environment to ensure and enhance reliability, resiliency, sustainability, and facilitate connectivity

Cross-Cutting Threads









Equity



32

RECOMMENDATIONS

That the Customer Relations/Finance Committee receive an update on Riverside Public Utilities' electric and water rate structures.



33