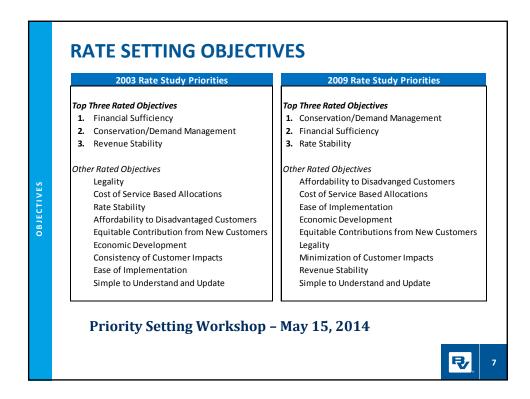
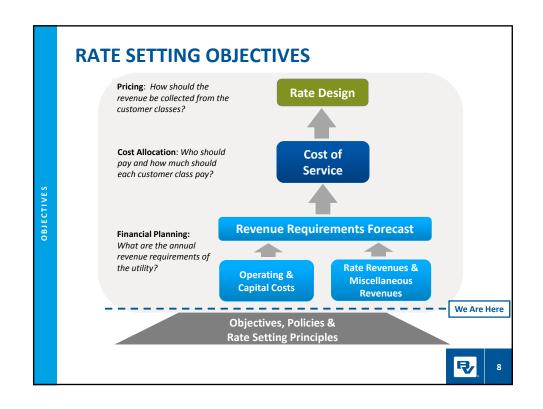


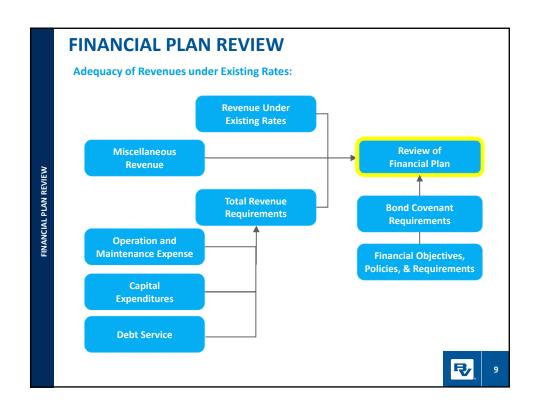
RATE SETTING OBJECTIVES

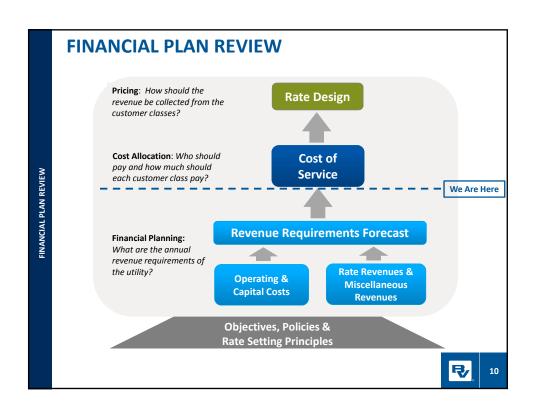
- Development of a rate structure that
 - generates sufficient revenues
 - maintains stable revenue streams
 - promotes the efficient use of water resources
 - recovers costs equitably across customer classes
- Address customer affordability issues as a part of the Rate Design Analysis
- Appropriately plan and account for the DSP integration
- Incorporation of stakeholders' prioritized issues and concerns as a part of the Rate Design Analysis

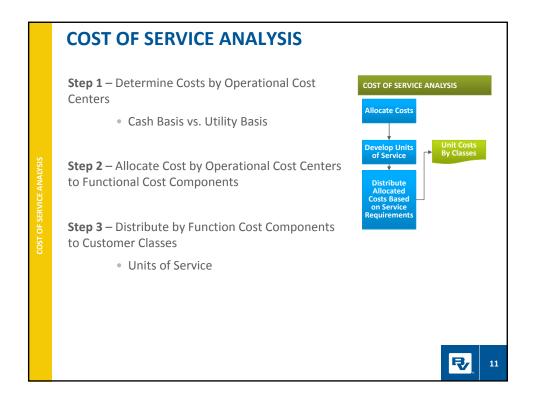


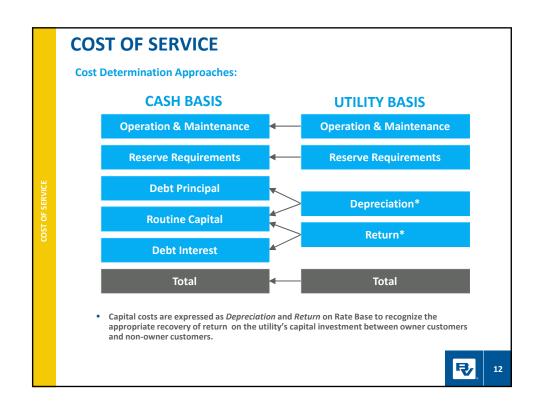


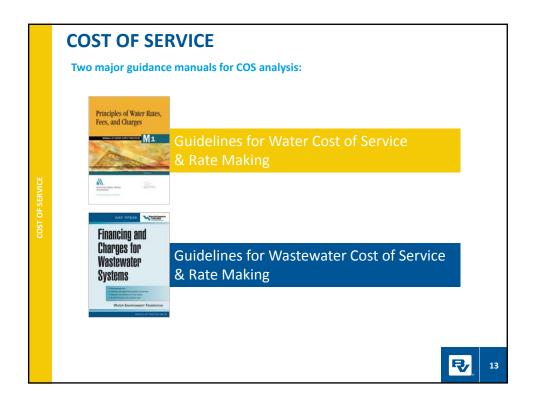


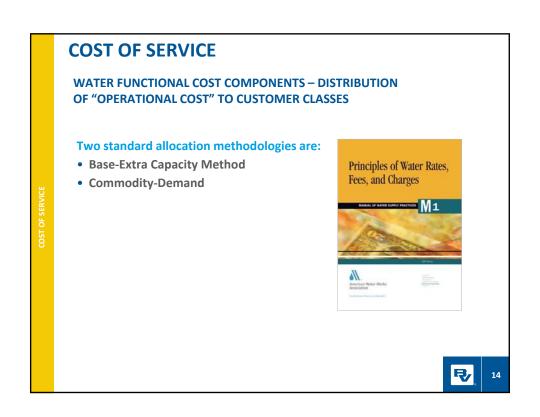


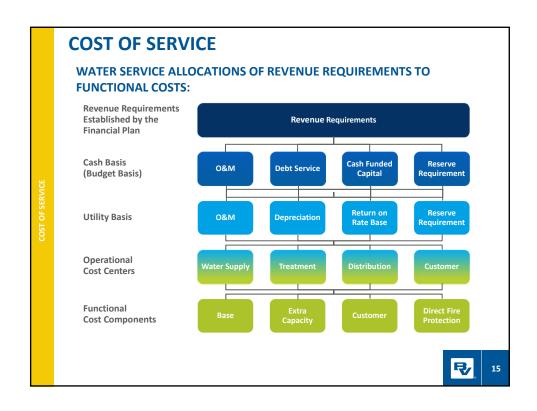


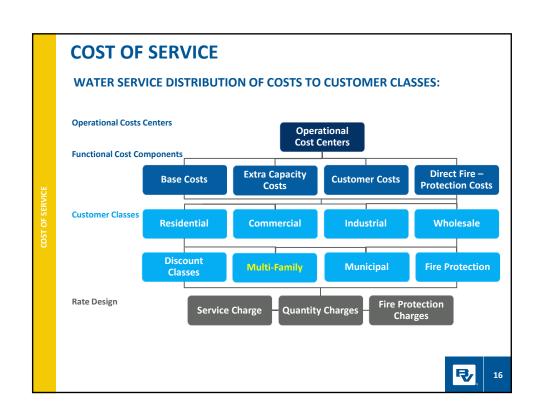


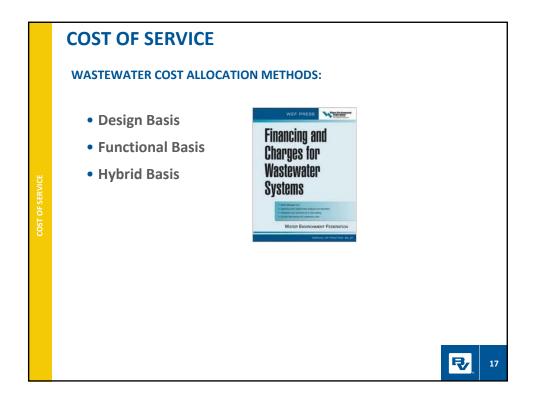


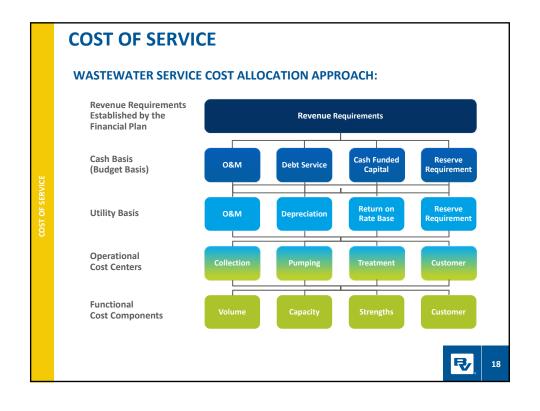


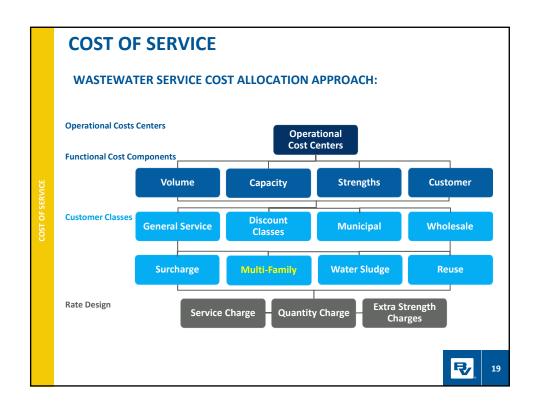


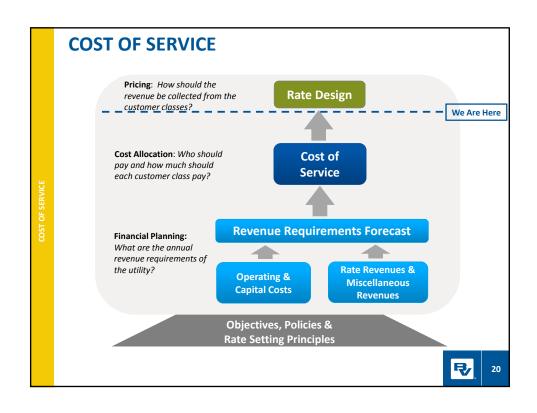


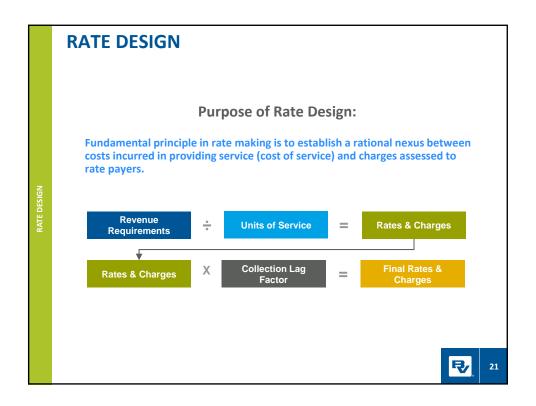


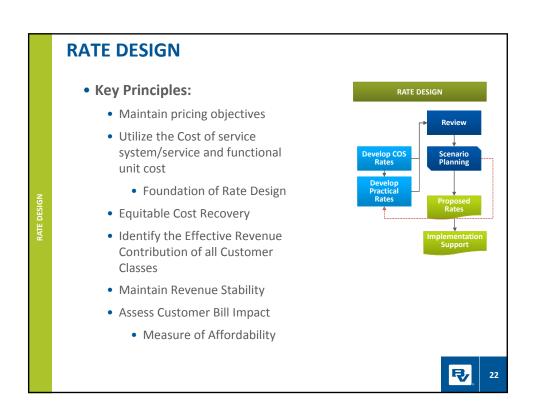












- Topics of Interest:
 - Availability and Quality of Data
 - Mix of Customers
 - Inter & Intra Generational Considerations
 - Timing of Revenues
 - Seasonality
 - Billing Adjustment
 - Customer Bill Impacts
 - Pricing Signals
 - Price Elasticity
 - Ease of Implementation
 - · Operational Capability

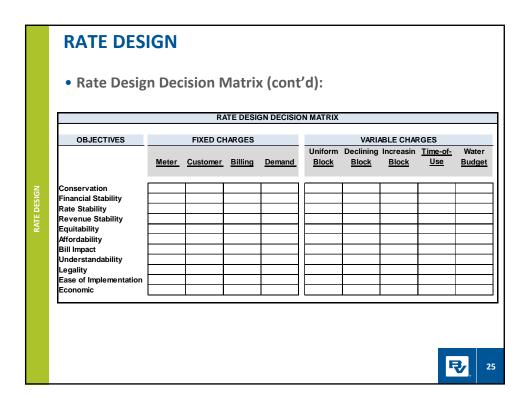


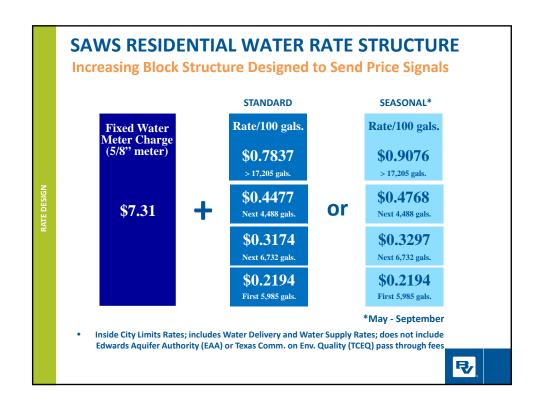
23

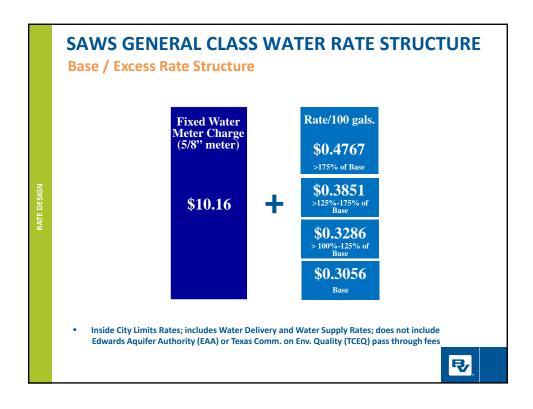
RATE DESIGN

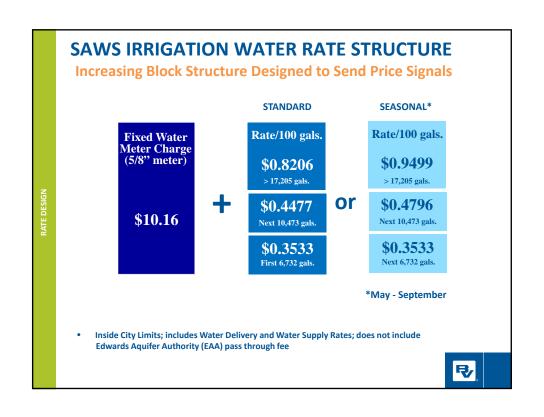
- Rate Design Decision Matrix:
 - Fixed vs. Variable Charges
 - Revenue Stability
 - Full recovery of cost
 - Variable Charges
 - Uniform vs. Inclining vs. Timeof-Use vs. Water Budget
 - Appropriate level of conservation signals
 - Special Purpose Rates

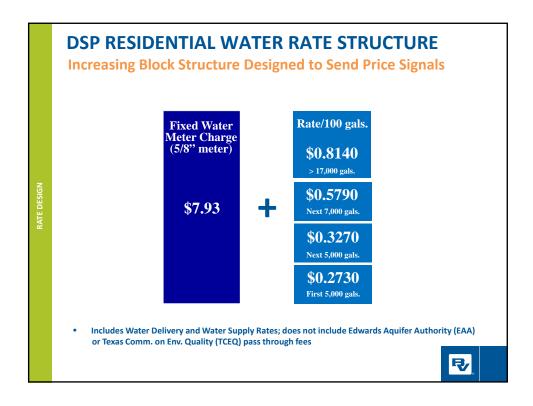


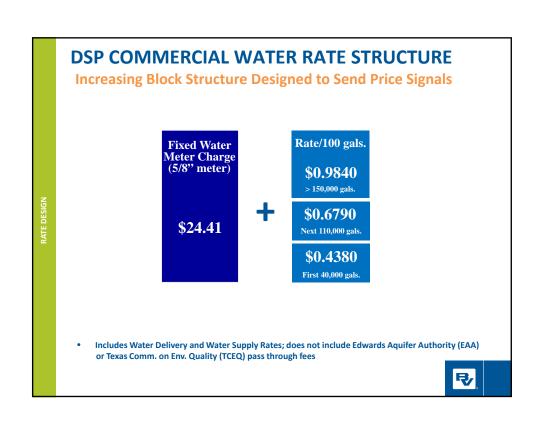


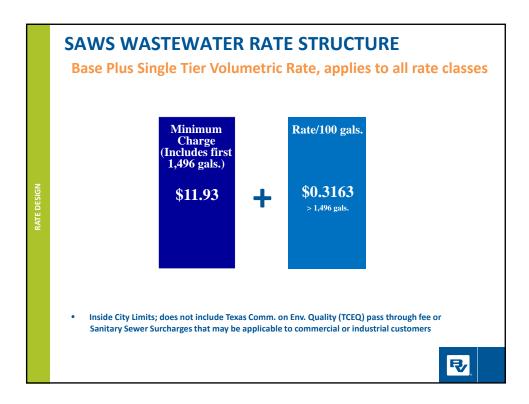












SAWS PASS-THROUGH FEES

Fees Assessed on SAWS by Regulators

- Edwards Aquifer Authority (EAA) Fee Rate: \$0.03295 per 100 gallons
 - Applied in addition to all Water Delivery and Water Supply Rates
- Texas Commission on Environmental Quality (TCEQ) Charges:
 - \$0.18 per Water Connection
 - \$0.06 per Wastewater Connection



DSP PASS-THROUGH FEES

Fees Assessed on DSP by Regulators

- Edwards Aquifer Authority (EAA) Fee Rate: \$0.02764 per 100 gallons
 - Applied in addition to all Water Delivery and Water Supply Rates
- Texas Commission on Environmental Quality (TCEQ) Charge:
 - \$0.18 per Water Connection



RATE DESIGN

- Southeast USA (Florida):
 - Meter size utilized as the determinant of Fixed Charges
 - Variables/Volumetric Rates that are tied to the South Florida Water Management District Drought Triggers
 - Block size adjustments are utilized to compensate for deepening Drought Condition
 - Primary Driver
 - Maintain stable and predictable levels of revenues



34

RATE

• Southeast USA (Florida):

RESIDENTIAL WATER RATES						
		Rates Effe	ctive	e: October 1, 2012		
FIXED CHARGE	ST	ANDARD		EMERGENCY	AD.	JUSTMENT
				Drought		Extreme Drought
Customer Charge 1	\$	4.14	\$	4.14	\$	4.14
Meter Size						
5/8" & 3/4"	\$	10.75	\$	10.75	\$	10.75
1" (ARC = 20,000) ²	\$	10.75	\$	10.75	\$	10.75
1" (ARC > 20,000)	\$	31.94	\$	31.94	\$	31.94
1 1/2"	\$	70.63	\$	70.63	\$	70.63
VARIABLE CHARGE (\$/Kgal.)	ST	STANDARD EMERGENCY ADJUSTMENT				
Tiered Rates (\$/Kgal.)				Block Adjustr	nen	ts (Kgals.) 3
Tier 1: 0 - 3,000	\$	1.39		Tier 1: 0 - 2,000		Tier 1: 0 - 1,000
Tier 2: 4,000 - 6,000	\$	2.42		Tier 2: 3,000 - 5,000		Tier 2: 2,000 - 4,000
Tier 3: 7,000 - 12,000	\$	5.72		Tier 3: 6,000 - 9,000		Tier 3: 5,000 - 6,000
Tier 4: Over 12,000	\$	6.94		Tier 4: Over 9,000		Tier 4: Over 6,000
** ·						

Note:

- 1. The customer charge is applied per customer account on a monthly basis.
- $2. \ \ Represents \ a \ customer's \ Actual \ Residential \ average \ monthly \ Consumption \ for \ the \ preceding \ caledar \ year.$
- $3. \ The \ Emergency \ Adjustments \ are \ applied \ by \ reducing \ the \ size \ of \ existing \ blocks \ to \ compensate \ for \ the \ specified \ drought \ condition.$



35

RATE DESIGN

• Southeast USA (Florida):

Rates Effective: October 1, 2012								
FIXED CHARGE	STANDARD	NO EMERGENCY ADJUSTMENT						
Meter Size								
5/8" & 3/4"	\$ 17.44							
1" (ARC = 20,000) 1	\$ 17.44							
1" (ARC > 20,000)	\$ 24.39							
1 1/2"	\$ 125.91							
VARIABLE CHARGE	STANDARD	NO EMERGENCY ADJUSTMENT						
(\$/Kgal.)								
Volumetric (\$/Kgal.)								
Tier 1: 0 - 8,000	\$ 3.43							
Tier 1: Over 8,000	No Charge							
Note:								
1 Represents a customer's	Actual Residential average	e monthly Consumption for the preceding caledar ye						

₹

- Southeast USA (Georgia):
 - The rate structure focuses on capacity utilization
 - A cost basis for increasing variable/unit charges based on customer behavior
 - Solid pricing signals resulting in increased conservation activities by customers
 - Primary Driver
 - Maintaining the ability to price according to the implicit customer usage decisions



37

RATE DESIGN

• Southeast USA (Georgia):

Four Tiers – Uniquely Calculated for each Customer Reflecting Annual Usage

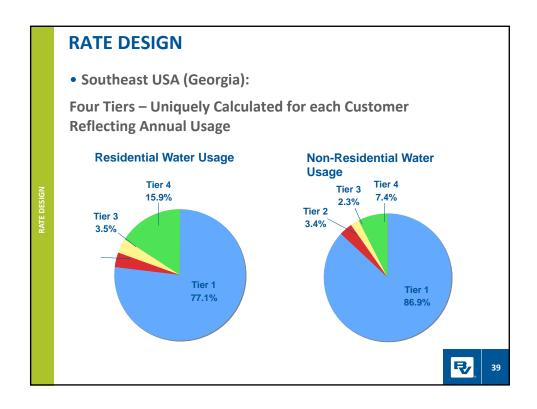
	<u>Tier 1</u> ≤ WA	<u>Tier 2</u> WA to 110% WA	<u>Tier 3</u> 110% to 125% WA	<u>Tier 4</u> Above 125% WA
Residential (by Total Volume)	77.1%	3.6%	3.5%	15.9%
Residential (by # of Water Bills)	50.8%	11.7%	11.9%	25.6%

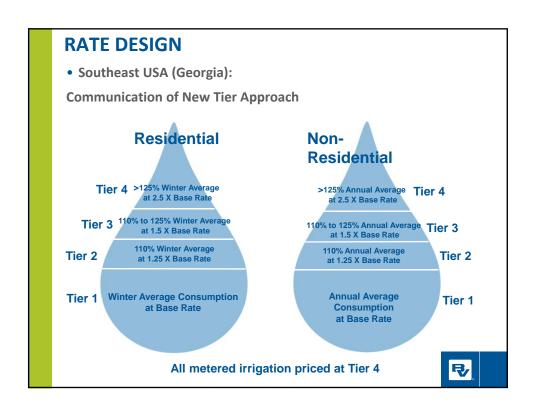
WA = Winter Average (average of Dec, Jan, Feb, and March)
Winter Average adjusted every 2 years



38

RATE D





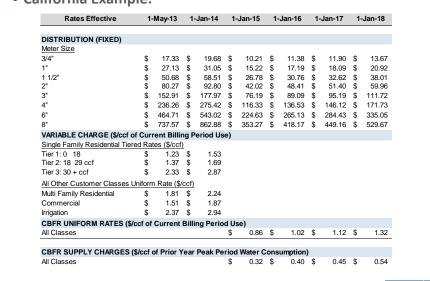
- California Example:
 - Consumption Based Fixed Rates (CBFR)
 Structure
 - Moves away from Meter Size as a major determinant of Fixed Charges
 - Relies on actual water usage from the designated summer months (May through October)
 - Primary Driver
 - Recovery of cost associated with the expansion of system supply



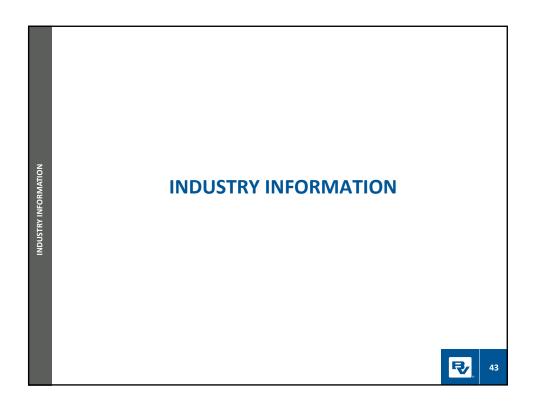
41

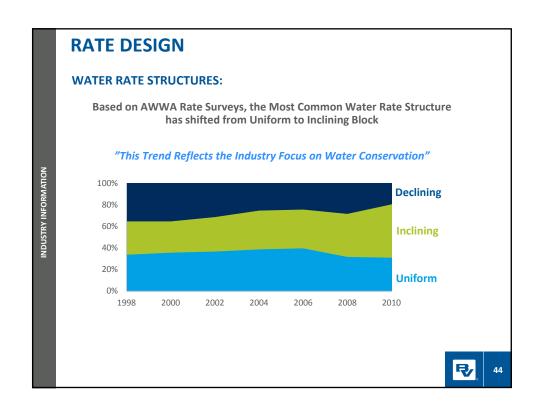
RATE DESIGN

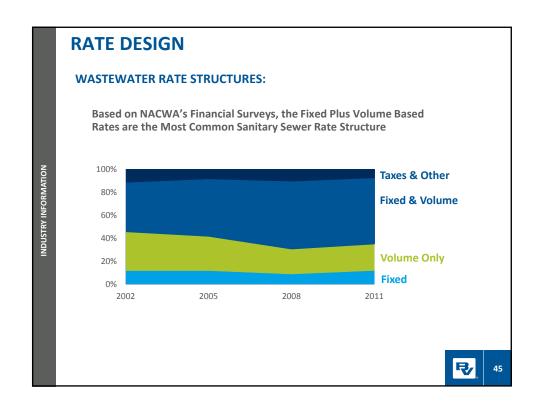
• California Example:

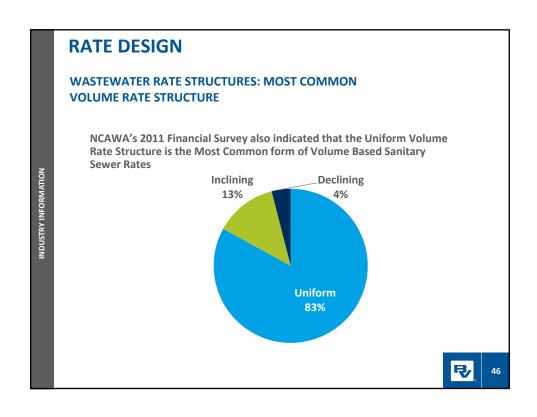


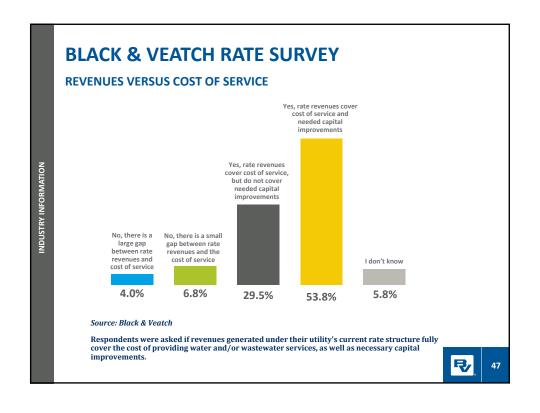
₹

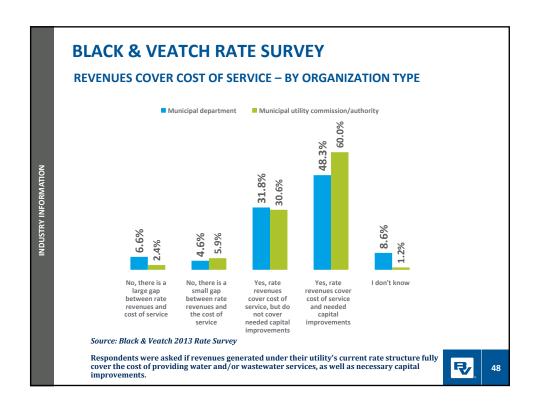


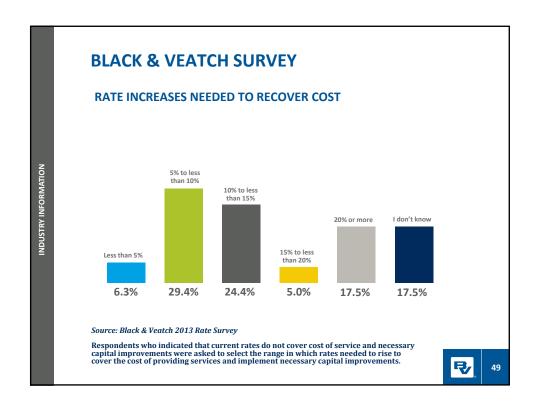


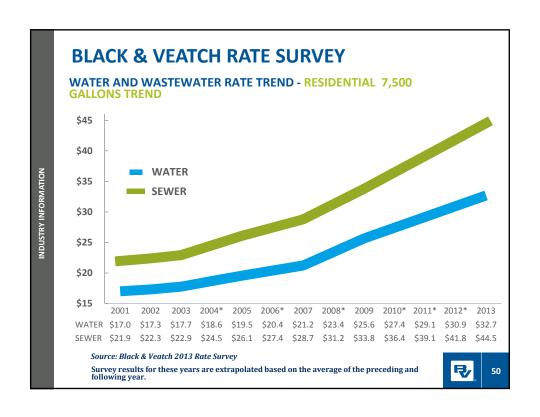


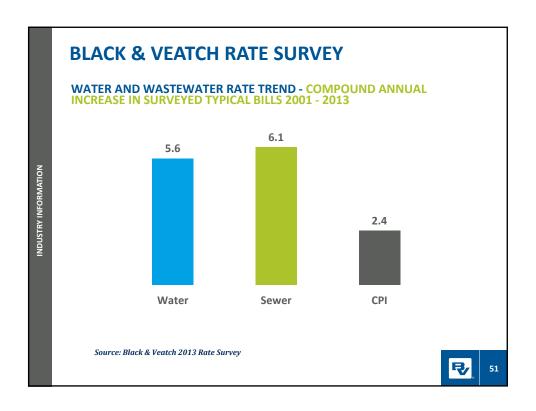












NEXT STEPS

- SAWS Board Policy and Planning Meeting April 21, 2014
- City Council "B" Session April 30, 2014
- RAC Public Hearing May 6, 2014
 - Public stakeholders provide input
- RAC Priority Setting Workshop May 15, 2014
- Consultant develops rate structure proposals based on priorities for discussion at later meetings
- Refinement of rate structure proposal will be the focus of the RAC's work through the rest of the year.



