December 2019

2019 ReWa Metric Summary Report Metric Background Information



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Introduction

In 2019 ReWa identified thirty-eight metrics to support enterprise-wide performance Tracking; to guide improvements and to set targets for the future. This document provides information about the metrics and outlines how the metric is calculated. The metrics are organized by the attributes that they support for the Effective Utility Management Program.

Lastly, a majority of the metrics were selected from the 2019 AWWA Utility Benchmarking Program specifically for Wastewater Utilities. This program collected performance indicator data from 10 Wastewater Only and 90 Combined Water and Wastewater Utilities in 2018. The list of utilities that participated in the survey include:

- AK Anchorage Water & Wastewater Utility
- AL Decatur Utilities
- AR Little Rock Reclamation Authority
- AZ Phoenix Water Services Department
- AZ Town of Clarksdale
- CA City of Ontario
- CA Coachella Valley Water District
- CA El Dorado Irrigation District
- CA Lake Arrowhead Community Services
- CA San Francisco Public Utilities Commission
- CA Santa Rosa Water
- CA Yorba Linda Water District
- CA Central Contra Costa Sanitary District
- CA Victor Valley Wastewater Reclamation Authority
- CO Department of Bolder Dept. of Public Works
- CO City of Westminister Utilities
- CO Fort Collins Utilities
- CO Town of Castle Rock
- CT Town of Bethel
- FL Broward County Water& Wastewater Services
- FL Charlotte County Utilities
- FL City of St. Petersburg Water Resources Dept.
- FL City of Winter Haven
- FL Cooper City Utilities
- FL Gainesville Regional Utilities
- FL Hillsborough County
- FL JEA
- FL Miami-Dade Water & Sewer Department
- FL NMB Water
- FL Toho Water Authority
- FL Orange County Utilities
- GA Athens-Clarke County Public Utilities Dept.
- GA Atlanta Department of Watershed Mgmt.
- GA Columbus Water Works
- GA Douglasville Douglas County Water/Sewer Authority
- GA Gwinnett County Department of Water Resources
- IN Citizens Energy Group
- IN City of Bloomington Utilities

Combined Utility Combined Utility Wastewater Only Combined Utility Wastewater Only Wastewater Only Combined Utility Combined Utility

- IN Fort Wayne City Utilities
- KS City of Olathe
- ME Portland Water District
- MD Anne Arundel County Bureau of Utility Operations
- MD Washington Suburban Sanitary Commission
- MI City of Ann Arbor
- MI Great Lakes Water Authority
- MI Sebewaing Light & Water Department
- MN St. Cloud Public Utilities
- MN City of Minneapolis Water Works
- MO Kansas City Water
- MO City of Springfield, MO
- MO Metropolitan St. Louis Sewer District
- NC Charlotte Water
- NC City of Greensboro Water Department
- NC City of Raleigh
- NC Orange Water & Sewer Authority
- NJ American Water Company
- NM Albuquerque Bernalillo County Water Utility Authority
- NV Carson City Public Works
- NV City of Henderson
- OH Avon Lake Regional Water
- OH Butler County Water & Sewer
- OH City of Gahanna
- OH City of Painesville
- OH City of Toledo Water Division
- OH Northwest Ohio Regional Sewer District
- OK Oklahoma City Utilities Department
- OK Tulsa Metropolitan Utility Authority
- OR City of Bend Utility Department
- OR Clean Water Services
- PA Bucks County Water & Sewer Authority
- PA Philadelphia Water
- SC Charleston Water
- SC Renewable Water Resources
- TN Johnson City Water Department
- TN Nashville Metro Water & Sewer
- TX Austin Water Utility
- TX City of Corpus Christi
- TX City of Longview
- TX City of Sugar Land
- TX Dallas Water Utilities
- TX Denton Municipal Utilities
- TX Fort Bend County MUD No. 25
- TX Fort Worth Water Department
- TX Houston Water
- TX McAllen Public Utility
- TX San Antonio Water System
- UT Salt Lake City Public Utilities
- UT Taylorsville-Bennion Improvement District
- VA Arlington County/DPW/WSS

Combined Utility Wastewater Only Combined Utility Wastewater Only Wastewater Only Combined Utility Wastewater Only Combined Utility Combined Utility Combined Utility Wastewater Only Combined Utility Combined Utility Combined Utility Wastewater Only Combined Utility Combined Utility

- VA Chesapeake Department of Public Utilities
- VA County of Chesterfield
- VA Hanover County Department of Public Utilities
- VA Prince William County Service Authority
- VA City of Richmond, Department of Public Utilities
- WA Seattle Public Utilities
- WA Pierce County Sewer

Combined Utility Combined Utility Combined Utility Combined Utility Combined Utility Combined Utility Wastewater Only

Residential Cost of Wastewater Service Supported by Administration and Finance Annual Metric

This performance indicator allows ReWa to compare the residential charges for wastewater based on a defined quantity of water usage with other utilities. The following criteria are used the determine the residential cost of wastewater service:

- Amount billed for wastewater service using 7,500 gallons of water per month
- Average residential wastewater bill amount for one month of service
- Average monthly usage

ReWa Residential Cost of Wastewater Service (based on 7,500 gallons): \$ 55.95/month

ReWa Average Residential Wastewater Bill for 1 month of service: \$ 35.44/month

ReWa Customer Average Monthly Usage of water: 3,863 gallons/month

	Median Residential Cost of Wastewater Service: 75 th Percentile: 25 th Percentile:	\$ 52.20/month \$ 46.28/month \$ 59.14/month
•	Median Residential Monthly Bill: 75 th Percentile: 25 th Percentile:	\$ 43.27/month \$ 35.44/month \$ 48.44/month

- Median Residential Avg Monthly Water Usage: 4,494 gallons/month
- 75th Percentile: 4,336 gallons/month • 25th Percentile:
 - 4,995 gallons/month

Wastewater Service Affordability Supported by Administration and Finance Annual Metric

This performance indicator allows ReWa to measure the affordability of wastewater services as a percentage of local median household income (MHI). The following criteria are used the determine wastewater service affordability:

Wastewater Service Affordability=Avg residential mo. wastewater bill x 12(% of MHI)Real median annual household income

ReWa Wastewater Service Affordability: 0.77 %

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٠	Median Wastewater Service Affordability:	0.91 %
٠	75 th Percentile:	0.64 %
•	25 th Percentile:	1.04 %

Total Number of Accounts Supported by Customer Service Annual Metric

This performance indicator allows ReWa to measure the total number of wastewater service agreements at a single property or commercial/residential unit.

ReWa Wastewater Service Total Number of Accounts: 139,294

AWWA 2019 Utility Benchmark Survey Data:

•	Median Total Number of Accounts:	N/A
•	75 th Percentile:	N/A
٠	25 th Percentile:	N/A

Community Sustainability

Total Number of Connections Supported by Engineering Annual Metric

This performance indicator allows ReWa to measure the total number of wastewater service connections throughout the Wastewater Collection System.

ReWa Wastewater Service Total Number of Connections: 3,086

٠	Median Total Number of Accounts:	N/A
•	75 th Percentile:	N/A
•	25 th Percentile:	N/A

Total Green Energy (kWh) Produced Supported by Water Resources Recovery Quarterly Metric

This performance indicator allows ReWa to measure the total amount of green energy produced each month from ReWa's CHP System and the Solar Farms located at the WRRFs (Durbin Creek, Gilder Creek, Mauldin Road and Piedmont).

ReWa Total Green Energy Produced by the CHP System:688,992 kWhReWa Total Green Energy Produced by the Solar Farms:1,542,584 kWhReWa Total Green Energy Produced:2,231,576 kWh

AWWA 2019 Utility Benchmark Survey Data:

•	Median Total Green Energy Produced:	N/A
٠	75 th Percentile:	N/A
٠	25 th Percentile:	N/A

Community Sustainability

Total Energy (kWh) Purchased Supported by Water Resources Recovery Quarterly Metric

This performance indicator allows ReWa to measure the total amount of energy purchased each month to support the WRRFs

ReWa Total Energy Purchased: 35,555,366 kWh

٠	Median Total Energy Purchased:	N/A
•	75 th Percentile:	N/A
٠	25 th Percentile:	N/A

Customer Satisfaction

Number of Customer Concerns Supported by Customer Service Quarterly Metric

This performance indicator allows ReWa to measure the complaint frequency related to customer service or core utility services expressed as the number of complaints per 1,000 customer accounts. The two categories, "customer service" and "technical service", allow a utility to track the complaints that are "people related" and those that are "product related".

Customer Service =	<u>Total Number of Customer Service Concerns x 1,000</u>
Concerns/1000	Total Number of Accounts (Residential,
	Commercial, Industrial)
Technical Service =	Total Number of Technical Service Concerns x 1,000
Concerns/1,000	Total Number of Accounts (Residential,
	Commercial, Industrial)

ReWa Customer Service Concerns:0.3 Concerns/1000 AccountsReWa Technical Service Concerns:3.3 Concerns/1000 Accounts

AWWA 2019 Utility Benchmark Survey Data:	
 Median Number of Customer Service Concerns: 	0.4
• 75 th Percentile:	0.3
• 25 th Percentile:	0.6
 Median Number of Technical Service Concerns: 	2.6
• 75 th Percentile:	1.3
• 25 th Percentile:	3.3

Employee Development

Employee Training Supported by Human Resources Quarterly Metric

This performance indicator allows ReWa to measure the amount of training that employees receive expressed as the annual number of training hours per employee as full-time equivalents (FTEs). This indicator does not address the effectiveness or efficiency of training programs.

Training (hr/employee)= <u>Total Training Hours Completed by All Employees</u> Total Number of FTEs

ReWa Employee Training: 12.7 Hours per Employee

•	Median Employee Training:	25.8
•	75 th Percentile:	39.1
•	25 th Percentile:	14.5

Debt Ratio Supported by Finance Annual Metric

This performance indicator allows ReWa to quantify its level of indebtedness. It is a measure of the extent to which assets are financed through borrowing. The higher the debt ratio, the more dependent the utility is on debt financing.

Debt Ratio (%)	=	Total Liabilities
		Total Assets

ReWa Debt Ratio: 43 %

AWWA 2019 Utility Benchmark Survey Data:

•	Median Debt Ratio	42 %
•	75 th Percentile:	29 %
•	25 th Percentile:	48 %

Financial Viability

Debt-Service Coverage Ratio Supported by Finance Annual Metric

This performance indicator allows ReWa to quantify its level of "cash flow". It is the ratio of net operating income to total debt service. It is the amount of cash flow available to meet interest, principal and sinking fund payments. Debt-service coverage rations less than one indicates a negative cash flow, meaning a utility is not generating enough income to pay its debt obligations strictly through operations.

Debt-Service Coverage Ratio =<u>Total Operating Revenue – Total O&M Costs</u> Total Debt Service

ReWa Debt-Service Coverage Ratio: 2.03

٠	Median Debt-Service Coverage Ratio	2.05
٠	75 th Percentile:	13.04
٠	25 th Percentile:	1.43

Days of Cash on Hand Supported by Finance Annual Metric

This performance indicator allows ReWa to measure its financial liquidity by quantifying the number of days of available cash on hand.

Days of Cash on Hand = <u>Undesignated Cash and Cash Equivalents</u> (Operating Expenses Excluding Depreciation/365 Days)

ReWa Days of Cash on Hand: 388 Days of Cash on Hand

AWWA 2019 Utility Benchmark Survey Data:

•	Median Days of Cash on Hand:	291
•	75 th Percentile:	667
•	25 th Percentile:	160

Financial Viability

Days of Working Capital Supported by Finance Annual Metric

This performance indicator allows ReWa to measure how efficiently it is currently functioning. Days of working capital refers to how many days it takes for a company to convert its working capital into revenue.

Days of Working Capital = <u>(Current Unrestricted Assets – Current Liabilities)</u> (Operating Expenses Excluding Depreciation/365 Days)

ReWa Days of Working Capital: 117 Days of Working Capital

AWWA 2019 Utility Benchmark Survey Data:

Median Days of Working Capital: 359
75th Percentile: 136
25th Percentile: 511

Infrastructure Stability

System Renewal and Replacement for WRRFs Supported by Finance Annual Metric

This performance indicator allows ReWa to quantify the percent renewal and replacement activities for the Water Resource Recovery Facilities.

System R&R (%) = <u>Total Amount of Funds Reserved for WRRF R&R</u> Total Present Worth of R&R Needs for WWRFs

The total present worth of R&R needs are typically estimated. ReWa references the value of its WWRF assets from identified insurance values. In addition, asset life spans are estimated with default values noted below:

- Wastewater Treatment and Pumping Facilities: 50 years
- Wastewater Collection System Components: 100 years

ReWa System Renewal & Replacement for WWRFs: 1.0 %

•	Median System R&R for WWRFs:	1.1 %
•	75 th Percentile:	1.8 %
•	25 th Percentile:	0.7 %

System Renewal and Replacement for Pump Station Facilities Supported by Finance Annual Metric

This performance indicator allows ReWa to quantify the percent renewal and replacement activities for the Pump Station Facilities.

System R&R (%) = <u>Total Amount of Funds Reserved for PS R&R</u> Total Present Worth of R&R Needs for Pump Stations

The total present worth of R&R needs are typically estimated. ReWa references the value of its Pump Station assets from identified insurance values. In addition, asset life spans are estimated with default values noted below:

- Wastewater Treatment and Pumping Facilities: 50 years
- Wastewater Collection System Components: 100 years

ReWa System Renewal & Replacement for Pump Stations: 4.3 %

•	Median System R&R for Pump Stations:	2.2 %
•	75 th Percentile:	4.8 %
•	25 th Percentile:	1.6 %

System Renewal and Replacement for Collection System Components Supported by Finance Annual Metric

This performance indicator allows ReWa to quantify the percent renewal and replacement activities for the Collection System Components.

System R&R (%) = <u>Total Amount of Funds Reserved for CSC R&R</u> Total Present Worth of R&R Needs for Pump Stations

The total present worth of R&R needs are typically estimated. ReWa references the value of its assets from identified insurance values. In addition, asset life spans are estimated with default values noted below:

- Wastewater Treatment and Pumping Facilities: 50 years
- Wastewater Collection System Components: 100 years

ReWa System Renewal & Replacement for Collection System Components: 1.8 %

AWWA 2019 Utility Benchmark Survey Data:

٠	Median System R&R for Collection System Components:	1.7 %
٠	75 th Percentile:	2.5 %

• 25th Percentile: 1.4 %

Total Miles of Pipe and Miles of Pipe Added to the Wastewater Collection System

Supported by Engineering & Collections System Annual Metric

This performance indicator allows ReWa to track the expansion and size of the Wastewater Collection System via miles of collection system pipe.

ReWa Total Miles of Pipe in the Collection System:	396 Miles of Pipe
ReWa Miles of Pipe Added to the Collection System:	44 Miles of Pipe

AWWA 2019 Utility Benchmark Survey Data:

٠	Median Total Miles of Pipe in the Collection System:	N/A
٠	75 th Percentile:	N/A
•	25 th Percentile:	N/A

Infrastructure Stability

Total Miles of Pipe Lined in the Wastewater Collection System Supported by Engineering & Collections System Annual Metric

This performance indicator allows ReWa to track the level rehabilitation efforts made towards the wastewater collection pipes within the Collection System.

ReWa Total Miles of Pipe Lined in the Collection System: 75 Miles of Pipe

- Median Total Miles of Pipe Lined in the Collection System: N/A
- 75th Percentile: N/A
- 25th Percentile: N/A

Infrastructure Stability

Total Manholes in the Wastewater Collection System Supported by Engineering & Collections System Annual Metric

This performance indicator allows ReWa to track the expansion and size of the Wastewater Collection System via number of manholes in the collection system.

ReWa Total Number of Manholes in the Collection System: 7698

AWWA 2019 Utility Benchmark Survey Data:

•	Median Total Numb	er of Manholes in	the Collection System:	N/A
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- 75th Percentile: N/A
- 25th Percentile: N/A

Infrastructure Stability

Total Number of Pump Stations, Total Number of Pump Stations Added to and Total Number of Pump Stations Retired from the Wastewater Collection System

Supported by Engineering & Collections System Annual Metric

This performance indicator allows ReWa to track the expansion and size of the Wastewater Collection System via the number of wastewater pump stations.

ReWa Total Number of Pump Stations in the Collection System: 83 ReWa Total Number of Pump Stations Added to the Collection System: 14 ReWa Total Number of Pump Stations Retired from the Collection System: 0

٠	Median Total Number of Pump Stations:	N/A
٠	75 th Percentile:	N/A
٠	25 th Percentile:	N/A

% Biosolids Beneficially Reused Supported by Biosolids Management Quarterly Metric

This performance indicator allows ReWa to track the percentage of biosolids beneficially reused verses the percentage of biosolids disposed.

ReWa % Biosolids Beneficially Reused:85 %ReWa % Biosolids Disposed:15 %

AWWA 2019 Utility Benchmark Survey Data:

٠	Median % Biosolids Beneficially Reused verses Disposed:	N/A
•	75 th Percentile:	N/A
•	25 th Percentile:	N/A

Operational Optimization

Biosolids Cost per Dry Ton Supported by Biosolids Management Quarterly Metric

This performance indicator allows ReWa to track the cost per dry ton for biosolids that are land applied or disposed in a landfill. This metric is not a "full cost account" of the total costs per dry ton of biosolids and only includes outsourced transportation and application/disposal costs.

Biosolids Costs per Dry Ton =	Cost for Contracted Transportation,
	Disposal/Land Application of Biosolids
То	tal Dry Tons of Biosolids Disposed/Land Applied

ReWa Biosolids Costs per Dry Ton: \$ 256 per Dry Ton

٠	Median Biosolids Costs per Dry Ton:	N/A
٠	75 th Percentile:	N/A
•	25 th Percentile:	N/A

Total SSO Rate - (Collection System Integrity) Supported by Collections System Monthly Metric

This performance indicator quantifies the condition of a wastewater collection system expressed as the annual number of failures per 100 miles of collection system piping. A collection system failure is a loss of capacity resulting from a flow restriction in a gravity or pressurized wastewater pipe. This indicator is based on 100 mile of pipe in a system.

Total SSO Rate (Collection System Integrity) = Total number of SSOs x 100 Total miles of collection system piping

ReWa Total SSO Rate (Collection System Integrity): 3.3

- Median Total SSO Rate (Collection System Integrity) 2.6
 75th Percentile: 1.4
- 25th Percentile: 3.9

Total Wet Weather and Dry Weather SSO Rate (Noncapacity and Capacity Sewer Overflow) Supported by Collections System Monthly Metric

This performance indicator measures the total number of noncapacity (wet weather) and capacity (dry weather) sewer overflow events expressed as a ration of the number of events per 100 miles of wastewater collection system piping. They are intended to measure sewer overflows created by conditions within the collection system components under the control of ReWa.

A dry weather sewer overflow occurs when the collection system is not under the influence of stormwater and a blockage (e.g., roots, grease, rags, debris) is present in the collection system components or a pressurized pipe fails.

A wet weather sewer overflow occurs when the collection system piping is overwhelmed with stormwater inflowing or infiltrating into the collection system components. Sewer overflows caused by limitations or problems within customer-controlled piping and facilities are excluded from this indicator.

Wet Weather Sewer Overflow Rate =	Total # of Wet Weather SSOs x 100
	Total miles of collection system piping

Dry Weather Sewer Overflow Rate = <u>Total # of Dry Weather SSOs x 100</u> Total miles of collection system piping

ReWa Wet Weather (Noncapacity) Sewer Overflow Rate: 3.3 ReWa Dry Weather (Capacity) Sewer Overflow Rate: 0

AWWA 2019 Utility Benchmark Survey Data:	
 Median Total Wet Weather Sewer Overflow Rate 	1.4
• 75 th Percentile:	0.9
• 25 th Percentile:	3.5
 Median Total Dry Weather Sewer Overflow Rate 75th Percentile: 	0 0
• 25 th Percentile:	1.8

Total Vehicle Miles Driven Supported by Maintenance Quarterly Metric

This performance indicator quantifies the total number of miles each month that ReWa vehicles are driven to support the work of ReWa.

ReWa Total Vehicle Miles Driven: 725,000 Miles

•	Median Total Vehicle Miles Driven each Month	N/A
٠	75 th Percentile:	N/A
•	25 th Percentile:	N/A

Total kWH per MG Water Treated Supported by Water Resource Recovery Quarterly Metric

This performance indicator quantifies the total kWH associated with the electricity consumed to treat water on a monthly basis.

Total kWH per MG Water Treated =

Monthly Total kWH consumed for all ReWa WRRFs

Monthly Water Treated (MG)

ReWa Total kWH per MG Water Treated: 0.8

AWWA 2019 Utility Benchmark Survey Data:		
 Median Total kWH per MG Water Treated 	N/A	
• 75 th Percentile:	N/A	
• 25 th Percentile:	N/A	

Annual Chemical Costs Chemical Costs per MG Water Treated Supported by Water Resource Recovery Annual Metric

This performance indicator allows ReWa to track the total costs for chemicals used to treat water at the WRRFs.

Chemical Costs per MG Water Treated =

Monthly Chemical Costs for all ReWa WRRFs

Monthly Water Treated (MG)

ReWa Chemical Costs per MG Water Treated: \$ 112 ReWa Annual Chemical Costs: \$ 1,341,750

•	Median Chemical Costs per MG Treated:	N/A
•	75 th Percentile:	N/A
•	25 th Percentile:	N/A

Operational Resiliency

OSHA Incident Rate Supported by Business Continuity Services Monthly Metric

This performance indicator allows ReWa to track the number of employees that have been involved in a recordable work-related injury or illness. This metric also allows managers to identify safety patterns across different departments or facilities.

OSHA Incident Rate = # of OSHA Recordable Injuries and Illnesses x 2000

Employee Total Hours Worked

ReWa OSHA Incident Rate: 1.74

2018 Statistics

- State of South Carolina: 3.3, which includes Trade, Transportation, and Utilities
- National: 3.4, which includes Trade, Transportation, and Utilities
- National for Water, Sewage, and "Other" Systems: 5.4

•	Median OSHA Incident Rate:	4.0
•	75 th Percentile:	2.1
•	25 th Percentile:	6.9

Operational Resiliency

% Employee Turnover Supported by Human Resources Monthly Metric

This performance indicator quantifies the number of employee departures normalized by ReWa's workforce (as FTEs) per year. Regular employee departures include employees who leave voluntarily, retired or were let go during the reporting period.

% Employee Turnover =	Number of Regular Employee Departures x 100%
	Total Number of FTEs

ReWa % Employee Turnover: 6.8 % ReWa Total FTEs: 187

AWWA 2019 Utility Benchmark Survey Data:		
 Median % Employee Turnover 	7.8 %	
• 75 th Percentile:	6.4 %	
• 25 th Percentile:	11.1 %	
Median Total FTEs	197	
• 75 th Percentile:	329	
• 25 th Percentile:	159	

Operational Resiliency

% Staff Eligible for Retirement Supported by Human Resources Annual Metric

This performance indicator provides a measure of the number of regular employees eligible for retirement within the next five years normalized by ReWa's workforce (as FTEs).

% Staff Eligible for Retirement = <u># of Staff Eligible for Retirement x 100%</u> Total Number of FTEs

ReWa % Staff Eligible for Retirement: 13.9 %

•	Median % Staff Eligible for Retirement	17.1 %
٠	75 th Percentile:	10.8 %
•	25 th Percentile:	34.4 %

Number of Samples Analyzed for NPDES Compliance Supported by Laboratory Quarterly Metric

This performance indicator allows ReWa to quantify the number of samples analyzed each month to ensure that the water recycled back to the receiving streams meets NPDES permit requirements.

ReWa Number of Samples Analyzed for NPDES Compliance: 13,804

AWWA 2019 Utility Benchmark Survey Data:

- Median # of Samples Analyzed for NPDES Compliance: N/A
- 75th Percentile: N/A
- 25th Percentile: N/A

Number of Samples Analyzed for Process Control Supported by Laboratory Quarterly Metric

This performance indicator allows ReWa to quantify the number of samples analyzed each month to support the operation of ReWa's Water Resource Recovery Facilities.

ReWa Number of Samples Analyzed for Process Control:	14,243
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AWW	A 2019 Utility Benchmark Survey Data:	
٠	Median # of Samples Analyzed for Process Control:	N/A
•	75 th Percentile:	N/A

• 25th Percentile: N/A

Number of Samples Analyzed for the Pretreatment Program Supported by Laboratory Quarterly Metric

This performance indicator allows ReWa to quantify the number of samples analyzed each month to support the needs of ReWa's Pretreatment Program and to ensure that ReWa's Commercial and Industrial Customers are compliant with their Discharge Permits and Authorizations.

ReWa Number of Samples Analyzed for the Pretreatment Program: 2,795

AWWA 2019 Utility Benchmark Survey Data:

•	Median # of Samples Analyzed for Pretreatment:	N/A
•	75 th Percentile:	N/A
•	25 th Percentile:	N/A

Number of Samples Analyzed in a Calendar Year Supported by Laboratory Annual Metric

ReWa Number of Samples Analyzed in a Calendar Year:

This performance indicator allows ReWa to quantify the number of samples analyzed each year to ensure compliance, the effective operation of the Water Resource Recovery Facilities and the quality of water and biosolids recycled back to the environment.

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AWWA 2019 Utility Benchmark Survey Data:	
 Median # of Samples Analyzed in a Calendar Year: 	N/A
	N L / A

- 75th Percentile: N/A
- 25th Percentile: N/A

30.842

Stakeholder Outreach Index Supported by Communications Annual Metric

This performance indicator allows ReWa to measure its stakeholder outreach activities. It is calculated based on self-assigned points found in the various categories in the stakeholder outreach checklist provided below. Total scores can range from zero to twelve and are presented as a percentage of the maximum possible score of twelve.

Stakeholder Outreach Checklist:

- We regularly conduct satisfaction surveys that result in a statistically significant measure (or set of measures) for customer satisfaction. (0 = never/rarely, 1 = less than annual frequency, 2 = at least annually).
- We use the results of customer satisfaction surveys to improve our processes, practices and systems. (0 = never/rarely, 1 = less than annual frequency, 2 = at least annually).
- We regularly conduct a series of interviews or open forums of focus groups with key stakeholders, such as public officials, regulators, community representatives, special-interest groups, developers, contractors, etc. (0 = never/rarely, 1 = less than annual frequency for 3 groups, 2 = at least annually for 3 groups).
- 4. We provide numerous channels and interactions (two-way) with stakeholders through publicly offered tours, speaking engagements, actively managed booths/kiosks, etc. on a regular, periodic basis. (0 = never/rarely, 1 = less than annual frequency for 3 groups or more channels/interactions, 2 = at least annually for 3 groups or more channels/interactions).
- We provide numerous outreach programs/products on a regular basis to targeted stakeholders through the media, mailers, newsletters, etc. (0 = never/rarely, 1 = less than annual frequency for 3 groups or more programs/products, 2 = at least annually for 3 groups or more programs/products).
- We regularly review all sources of stakeholder feedback and develop actions to address areas of dissatisfaction or opportunities for improvement. (0 = never/rarely, 1 = less than annual frequency, 2 = at least annually).

ReWa Stakeholder Outreach Index: 83 % AWWA 2019 Utility Benchmark Survey Data:

•	Median Stakeholder Outreach Index:	83 %
•	75 th Percentile:	100 %
•	25 th Percentile:	67 %