# TRWA 2020 Fall Management Conference

## Workforce Development & Retention Strategies

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Texas Rural Water Association

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#### Today's Goals

A changing workforce creates a need for us to change our ways of thinking, of doing business, and of managing our workers.

#### <u>The Why</u>

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Facts around workforce challenges and why it's so important that we have this discussion now.

#### The How

Tips and techniques on how to start, or continue, tackling this beast, that I synthesized from various sources.



### Workforce Separations

"A tide of retirements is drastically cutting into the pool of skilled, qualified workers in many utilities and resulting in staffing vacancies of up to 50% in some cases."

~ AWWA, 2019 ~

"In the next 10 years, 37% of water utility workers and 31% of wastewater utility workers will retire."

~ EPA, 2017 ~

"From 2016 to 2026, the combination of separations and future growth in the water sector is projected to lead to an average of 9,200 annual openings for water and wastewater operators."

~ The Bureau of Labor Statistics ~

"Many systems will likely experience losses of 30%-50%."

~Numerous sources, including NRWA ~

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#### **TRWA Salary Survey: Education & Experience** Education Experience Wastewater Operators Wastewater Operators • ○ 71% = High School/GED $\circ$ 86% = 0-15 years of experience ○ 0% = Bachelors Degree $\circ$ 14% = 15+ years of experience Water Distribution/Field Operators Water Distribution/Field Operators ○ 69% = High School/GED $\circ$ 90% = 0-15 years of experience • 4% = Bachelors Degree $\circ$ 6% = 15+ years of experience Lead Operators/Field Managers Lead Operators/Field Managers • o 73% = High School/GED $\circ$ 52% = 0-15 years of experience ○ 6% = Bachelors Degree $\circ$ 46% = 15+ years of experience Manager/Operators Manager/Operators ٠ ○ 59% = High School/GED $\circ$ 36% = 0-15 years of experience ○ 10% = Bachelors Degree $\circ$ 44% = 15+ years of experience **Plant Managers** Plant Manaaers • $\circ$ 48% = 0-15 years of experience ○ 45% = High School/GED $\circ$ 48% = 15+ years of experience ○ 14% = Bachelors Degree The TRWA 2020 Salary Survey Report is available for purchase for \$100 (complimentary for those who participated). The Rate Survey SLIDE 5 Report is also \$100, or you can purchase both reports for \$175. The 2018 reports are now 50% off. Visit the TRWA Store to order.









### EPA Knowledge Retention Tool

Sheet No.	Type of Resource	Description	Information Captured
1	Checklist	Handoff Checklist	Review and acknowledgement that everything has been documented
2	General	System Overview	General system information
<u>3</u>	Administrative	Documents	Important documents for system operation
<u>4</u>	General	People	Important contacts and their information
5	General	Source Water	Source water information
<u>6</u>	Quick Response	Emergencies	Emergency preparedness contacts and documents
Z	Quick Response	Security	Security system information
<u>8</u>	System Operation	Filtration and Treatment	Water treatment mechanisms
2	System Operation	Process Monitoring and Sampling	Sampling techniques and frequencies for compliance and process monitoring
<u>10</u>	System Operation	Operational Supplies	Supplies used in standard operation and where they can be obtained
<u>11</u>	System Operation	System Maintenance	Maintenance and flushing activities
<u>12</u>	System Operation	Storage	Water storage information
<u>13</u>	System Operation	Distribution	Distribution infrastructure and information
<u>14</u>	Administrative	Rules and Regulations	Applicable legislation
<u>15</u>	Administrative	Technology	Operational system software usage
<u>16</u>	Administrative	Operator Certification	Operator certification information
<u>17</u>	Other	Neighboring Utilities	Contact and additional information about neighboring utilities
<u>18</u>	Other	Other Information	Miscellaneous water system information

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### **Training Strategies**

# **On-the-Job Training**

Expend efforts into growing your leadership talent to create a pipeline among the supervisory and managerial ranks. Provide current employees with advanced technical training in the areas of automation and digital technology. Participate in the TRWA apprenticeship program, to help fill positions with candidates lacking industry experience.

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### TRWA Workforce Development Programs

#### **Apprenticeship Program**

In 2017, NRWA established and certified its National Guideline Standards of Apprenticeship for Water and Wastewater Operation Specialists through the U.S. Department of Labor.

In an effort to assist the Texas public water systems in recruiting and filling positions with trained and competent workers, TRWA will launch a Registered Apprenticeship Program (RAP) in 2021. When you partner with TRWA, you leverage an established framework, where the apprentices work for you, but the overall operation of the apprenticeship program is managed by us, the program sponsor.

This 2-year program is tailored to transfer the wealth of experience and knowledge from industry experts to the next generation of system operation specialists. Individuals accepted into the program will receive both on-the-job training and technical instruction.

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#### **Veteran's Employment Program**

TRWA will re-establish the Veteran Employment Program (VEP) first implemented in 2014, as a means to help you attract veteran workers. TRWA implemented the program to inspire and mobilize new interest and talent to work in the rural water and wastewater industry. This is an on-the-job training program approved by the Texas Veterans Commission (TVC) and once the veteran is hired by a water or wastewater utility that is approved as a TVC training facility, he or she is eligible for a monthly stipend from the U.S. Veteran's Administration. This stipend is in addition to his or her regular salary.

Companies that hire veterans can provide added incentives by becoming approved for GI Bill, which assists their current and future veteran employees with using the benefits they've earned towards tuition, fee payments, and a tax-free monthly housing allowance.



## **Contact Information**

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