

# ACCOMPLISHMENTS & HIGHLIGHTS



2025



Clark County  
Water Reclamation  
DISTRICT



## 2025 Accomplishments & Highlights

*The Clean Water Team once again demonstrated the extraordinary dedication, expertise, and professionalism of the women and men who “serve our community by responsibly sustaining the water care cycle”.*

1. Recognized and expressed appreciation to all Service Centers and team members for their outstanding contributions in 2025.
  2. Ensured reliable operation of the wastewater treatment plants and collection systems as the District’s highest priority in serving the community, while reinforcing a culture that values the Clean Water Team, safety, security and our customers.
  3. Served 278,207 active accounts, representing a service area population over 1.05 million people, and further served the world renown Las Vegas Strip that has an average daily tourist base of 105,000 to 150,000; New Year’s Eve tourist population was estimated at 340,000 to 345,000.
  4. Hit the highest 24-hr flow into the FWRC in 2025 of 118.56 MG on August 10, 2025.
  5. Hit an instantaneous peak flow rate of 170.82 MGD on June 16, 2025 attributed to a rain event inflow.
  6. Reclaimed water earning return flow credits remain to be the most stable and reliable water resource supporting the augmentation of the Community’s Colorado River allocation.
  7. Reclaimed 41.45 billion gallons of wastewater (127,212 Acre-Feet) at our Flamingo Water Resource Center (FWRC) for return flow credits and direct non-potable reclaimed water.
  8. Reclaimed 505.89 million gallons of wastewater (1,552 Acre-Feet) at our Laughlin Water Resource Center (LWRC) for return flow credits and direct non-potable reclaimed water.
  9. Combined Return Flow Credits from CCWRD Treatment Plants to the Colorado River System equated to 128,764 Acre-Feet
  10. Treated 53.66 million gallons of wastewater at our Moapa Valley Wastewater Treatment Facility (MVWTF).
  11. Treated 46.72 million gallons of wastewater at our Indian Springs Wastewater Treatment Facility (ISWTF).
  12. Treated 16.06 million gallons of wastewater at our Searchlight Water Treatment Ponds (SWTP).
  13. Treated 4.75 million gallons of wastewater at our Blue Diamond Wastewater treatment Ponds (BDWTP).
  14. Realized the accumulative annual Average Daily Influent of all our treatment plants was over 111.613 MGD, which is down 2.532 MGD (2.22%) for the same period the previous year (114.145 MGD).
  15. Realized an accumulative annual Average Daily Influent of our FWRC treatment plant was over 109.716 MGD, which is down 2.515 MGD (2.24%) from previous CY (112.231 MGD).
  16. Delivered 408 million gallons (1,252 Acre-Feet) of reclaimed/reuse water to external customers (NV Energy Clark Generating Station; Soccer Park across from Sam Boyd Stadium; and part of the year to the Golf Club at Sunrise).
  17. Negotiated a Contract amongst Clark County, City of Las Vegas and CCWRD for CLV to provide reclaimed water to the County’s managed Golf Course at Sunrise ensuring a better rate and system reliability.
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18. Accepted 14.00 million gallons of septage (43.0 Acre-Feet).

**High Performance:**

19. Managed and inspected the construction of nine (9) major CIP projects totaling \$681.8 million with recognition to the Construction Management & CIP Inspection Team's effort in managing the largest CIP program in the company's history over the past two years.
20. Converted 95 residential Septic System properties to the CCWRD Collection System, for a program total of 196, as part of our Septic System Conversion Pilot Program under Federal Grants funds from Clark County's ARPA program.
21. Selected by the National Association of Clean Water Agencies (NACWA) to receive the 2025 National Environmental Achievement Award (NEAA) in the Community Leadership category for our "Septic System Conversion Pilot Program" project.
22. Dan Fischer was selected to receive the National Association of Clean Water Agencies (NACWA) 2025 National Environmental Achievement Award (NEAA) for Utility Leadership, recognizing the District's multiple wastewater treatment plants and their premier operations serving Southern Nevada.
23. John Solvie received the Water Professionals International (WPI) President's Award for chairing the Certification Commission for Environmental Professionals the past 10 years, and continuing to provide credentialing participation statewide on the Nevada Certification Board for Water Professionals and nationally vice-chairing WPI's Certification Commission for Environmental Professionals, which develops standardized certification exams used by Nevada for wastewater and drinking water practitioners.
24. Shawn Mollus attended, by invitation only, a corporate NVDIA emerging technology focus group on wastewater "AI" chip development.
25. Dan Fischer served as Chair of the Sewage and Wastewater Advisory Committee.
26. Achieved the 2024 (awarded in 2025) National Association of Clean Water Agencies distinguished Platinum 13 PEAK Performance Award for the Flamingo Water Resource Center for its thirteenth consecutive year of 100% NPDES permit compliance.
27. Achieved the 2024 (awarded in 2025) National Association of Clean Water Agencies distinguished Platinum 12 PEAK Performance Award for the Laughlin Water Resource Center for its twelfth consecutive year of 100% NPDES permit compliance.
28. Achieved the 2024 (awarded in 2025) National Association of Clean Water Agencies distinguished Platinum PEAK Performance Award for the Moapa Valley Wastewater Treatment Facility – for its first five-year milestone.
29. Achieved the 2024 (awarded in 2025) National Association of Clean Water Agencies meritorious Gold PEAK Performance Award for the Indian Springs Moapa Valley Treatment Facility.
29. Continued to be a leader in the community, now for 500 Consecutive Weeks, by successfully meeting our 3-2-1 Development Plan Review Goal. The Development Engineers & Developers recognize the District's Plan Review turnaround as the best in the community. Excellent job Leslie Long and her Development Engineering Team.
30. Received a "Clean" external Audit with no material weaknesses, findings, significant deficiencies or prior year restatements for our FY 24/25 Financial Audit, with compliments from the Audit firm on our preparedness and prompt responses. Each year we have improved our audit process recognizing the best to-date.
31. In-House Legal – Provided excellent, timely support to staff, ensuring projects continued to move forward efficiently while managing risk and maintaining compliance.
32. Kept the fleet vehicles on the roads for 929,148 vehicle miles driven thanks to the excellent service delivered by our "Formula One" Fleet maintenance staff!

33. Received the Government Finance Officers Association's (GFOA) Certificate of Achievement for Excellence in Financial Reporting for our 2024 Comprehensive Annual Financial Report (CAFR) (awarded in 2025).
34. Received the GFOA Distinguished Budget Presentation Award for our 2025 Adopted Operating and Capital Budget book.
35. Completed construction progress on FY 24/25 CIP projects in the amount of \$349.0 million; and the FY 25/26 CIP is budgeted for \$ 264.66 million.
36. Sanitary sewer overflow (SSO) spill rate per 100 miles was 0.21 (5 SSO's; 2,404 miles of pipe).
  - a. High performing Agency average per 100 miles = 2.00, meaning our 0.21 is fantastic.
37. Managed \$76.3 million in task order contracts for existing and new District infrastructure.
38. Navigated multiple scheduled and unscheduled plant power outages affecting the FWRC plant operations.
39. Ensured operating the six (6) Wastewater Plants and the Collection Systems were the highest priority identified to meet our wastewater mission and support the respective community.
40. Ensured Laboratory compliance, data accuracy, and sample integrity met all regulatory compliance requirements.
41. Completed the Video Monitor Communications project installed throughout CCWRD.
42. Received Board approval for 60 agenda items: 45 consent, four (4) public hearings, eleven (11) Business items, three (3) Resolutions, and one (1) recognition.
43. Managed 20 Grant opportunities: 10 in pre-application or applied status; 6 in pre-award (selected); and 4 in award status.

#### Partnerships:

44. Met with our Citizens Advisory Committee in December to provide a business update (CIP and Financial Plan), at which time we further provided an update on our Emerging Issues (Septic System Conversion Program; Affordable Housing; Southern Nevada Supplemental Airport; PFAS; Staffing Recruitment and Retention).
45. Partnered with the federal U.S Department of Health & Human Services (HHS) and the Centers for Disease Control & Prevention (CDC) COVID-19 Wastewater Surveillance Monitoring programs managed by Verily Labs to assess the genetic material of the Coronavirus RNA present within the wastewater influent.
46. Partnered with UNLV's Wastewater Surveillance Monitoring Program by providing samples to assess the speciation of the generic material of the Coronavirus RNA present within the wastewater influent.
47. Partnered with the Verily Life Sciences Laboratory to participate in their WastewaterSCAN – Sewage as Sentinel Wastewater Monitoring and Surveillance program. This is a broader program to detect other viral loads and pathogens for early detection and validation purposes. with our SNHD officials. The wastewater samples are being analyzed for SARS-CoV-2; Influenza A and B; Respiratory Syncytial Virus (RSV); Human Metapneumovirus; Norovirus; mpox; Measles and West Nile Virus. Through the Verily Lab, CCWRD has a dashboard for its sample results and can compare to other cities across the Country (WastewaterSCAN - Sewage as Sentinel).
48. Partnered with the federal National Institute on Drug Abuse (NIDA) Program awarded to Biobot Labs. It was a groundbreaking initiative aimed at evaluating the distribution of drug usage on a national level. This initiative was a vital step forward in our collective efforts to address substance use and misuse, and its impact on public health and safety. Participants in this program played a crucial role in providing valuable data that can inform proactive and effective public health interventions. This program provided wastewater analysis of methamphetamine, cocaine, fentanyl, xylazine, naloxone, and their metabolites, to currently 70 participating communities



across the United States. After the federally-funded program expired we continued working with Biobot under a different funded program.

49. Partnered with Southern Nevada Water Authority, University of Nevada Las Vegas, and Nevada State College on research projects.
50. Facilitated research with SNWA, UNLV, CSN, NASA, DRI, and others at the Flamingo WRC related to wastewater epidemiology, wastewater treatment, water reuse, water quality, and sustainability.
51. Attended monthly coordination meetings with SNHBA, NDOT, and CCPW to enhance project coordination and lessen construction disruption in the ROW for the public.
52. Continued to partner with Clark County Vector Control on the Mosquito Abatement Program and to mitigate biofilter weed issues.
53. Led negotiations for the Las Vegas Valley Dischargers with NDEP for renewals of the main NPDES permit.
54. The Water Quality Compliance and Planning Team and the Clean Water Team are a strong partnership.

#### **Customer - Driven:**

55. Completed 500 Consecutive Weeks of successfully meeting our 3-2-1 Development Plan Review Goal.
56. Revised the Annual/Quarterly bill to reflect a more readable bill.
57. Assessed the lowest Annual Sewer Service Charge in the State of Nevada.
58. CIP Programming ensures reliability of wastewater service.
59. Fielded over 21,950 Customer Service calls with the majority associated with customer payments and establishing sewer connections/service.
60. Amended Service Rules to clarify subject matters in securing wastewater service.
61. Verified 10 Odor complaints registered against the public system, recognizing an extremely low number considering we have over 2,400 miles of sewer lines, and further responded to 54 odor complaints emanating from property properties.
62. Performed 677 Point of Connection (POC) requests including Bureau of Land Management and Department of Aviation land auctions.
63. Continued our Fats, Oil, Grease and Grit (FOGG) Interceptor – Alternate Device Pilot Program.
64. Continued our Sewer Lateral Repair Pilot Program.
65. Implemented the following Approved Materials List (AML) approved by the Committee:
  - a. Ten (10) new products were submitted for review in which three (3) were accepted, five (5) were rejected, and two (2) are still pending under review.
  - b. Continue to publish updated AML to District's website and several subsequent amendments.
66. Continued removing all HOA consolidated Billings to comply with Service Rules and Billing standards.
67. Supported the third annual Las Vegas Grand Prix Formula 1, as well as other Special Events throughout the community.
68. Investigated options for decreasing odor complaints relative to operating the facility and/or hauling sludge; addressed odor complaints.

#### **Staffing:**

69. Welcomed 54 new employees joining the organization.
70. Congratulated 43 employees promoted to new positions within the organization.
71. Bid farewell to 9 employees earning their retirements (2.33% of the filled positions).
72. Wished well to 37 employees that separated their employment with us (9.6% of the positions filled).
73. Board authorization of 425 Full Time Equivalent positions- to operate 24/7/365.

74. Completed the Classification and Compensation study by Graves Consulting with Board approval using the wastewater/water sector as the comparison sector.
75. Implemented a new Employee Assistance Program (EAP) vendor contract with Mines and Associates.
76. Transitioned to the State of Nevada's new background Flex Check system, which streamlined the process of obtaining criminal background records for new hire candidates in a more efficient manner via an online portal.
77. Provided various tours of CCWRD Flamingo facility to Elected, Legislators, Liaisons to Trustees, staff, NV Energy, Southwest Gas, and new hires. Seeing is believing!
78. Migrated and upgraded the Kronos Timekeeping System to UKG Dimensions (still Kronos), which is a cloud-based system eliminating the need for on-premise hosting.
79. Brenda Pappas serves as a Board member of the Executive Board for Deferred Compensation and Health Benefits program providing oversight to financial health, benefit changes, and investments under both plans.
80. Managed the employee drug testing program with Concentra in compliance with applicable state and federal regulations. The program supports testing for pre-employment, post-accident, reasonable suspicion, and Department of Transportation (DOT) CDL driver requirements. The turnaround time for test results has significantly improved, from approximately one week to approximately two business days.
81. Maintained an internship program with UNLV Honor College, working in the laboratory for relevant synergetic relationship with high-achieving students.
82. Utilized previously retired Chemists in limited, part-time capacity to augment staff.
83. Maintained an internship program with UNLV, College of Engineering for Civil, Chemical, Electrical, and Mechanical Engineering students.
84. Maintained an internship program working with our Records Management Program.
85. Initiated a Laboratory Research Program:
  - a. hired a Research Scientist
  - b. purchased and installed an eight-channel high efficiency fully automated Solid Phase Extraction (SPE) system for PFAS sample extraction which offers flexibility to add new analyte classes
  - c. completed a two-week training with Agilent University
  - d. started method development for PFAS analysis in wastewater
  - e. purchased and installed TurboVap, a compact automated solvent evaporation system capable of evaporation of up to 48 samples with independent control of flow for each row
86. John Solvie Vice-Chaired the Water Professionals International (WPI) Certification Commission for Environmental Professionals (C<sub>2</sub>EP), which administers the national/international Professional Operator program for Wastewater Treatment Plant Operators, Collection System Operators, Drinking Water Treatment Plant Operators, and Drinking Water Distribution Operators. John also serving as a board of member of the Nevada Certification Board for Water Professionals, which administers the Nevada Division of Environmental Protection's regulatory certification program for Wastewater Treatment Plant Operators, and also administers non-regulatory certification programs for Collection System Operators, Wastewater Quality Analysts, Plant Maintenance Technicians, Industrial Waste Inspectors, and Industrial Operators.
87. Deployed the NeoGov Perform module District-wide. This enhanced digital platform facilitates a more efficient and standardized process for conducting employee performance evaluations. All completed evaluations are automatically stored within each employee's secure digital personnel record, ensuring accuracy, accessibility, and long-term documentation integrity.
88. Posted vacant positions on various Social Media platforms.

89. Attended job fairs to enhance recruitment opportunities.

**Environmental Health, Safety & Security, and Emergency Management:**

90. Driven by a culture of Environmental Health, Safety and Security to keep our employees, customers and community safe:
- a. Forty-seven (47) Workplace Injury Incidents, thirty-two (32) requiring medical care, and two (2) categorized as near-fatal.
  - b. Twenty-two (22) Vehicle Accidents; while over 929,148 miles were driven by our fleet vehicles, yet excellent as compared to industry, still 22 too many.
  - c. Conducted 51 site safety inspections to ensure recommendations were implemented and new concerns identified.
  - d. The longest run for the year without a new job-related injury was 37 days (Record is 228 days).
  - e. The leadership, management, Safety Committee and Safety personnel sincerely care for our Team's health, safety, and security.
  - f. Responded to 62 Security incidents, with trespass and theft being the majority.
  - g. Completed the review and submittal of the Emergency Response Plan to the Nevada Department of Emergency Management in compliance with NRS 239C.270.
91. Visitor OS implementation of the visitor management system
92. OSHA conducted Inspections at the Flamingo Water Resource Facility, Laughlin Water Resource Facility and Desert Breeze related to an employee accident. Abatements were received on all corrected violations.
93. Created a new tracking and identification process to service Fire Extinguishers to ensure compliance.
94. Replaced/upgraded guard stations at Rochelle, Monson, and Hollywood Gates.
95. Expanded surveillance and access control system to include new facilities as Plant Expansion projects are completed and come online. To include perimeter security, pedestrian safety, traffic management and emergency services access.
96. Expanded digital visitor check-in system to the Security Gate Guard Stations.
97. Implemented the use of perimeter security mobile solar camera trailers (LVT's) to bolster security measures in the more remote sections of the Plant. Units are equipped with IP Starlight "Enhanced Night Mode," motion detection, and audible warnings. Cellular capabilities provide instant alerts and communication for active monitoring.
98. Added Strax Fusion Center Camera Integration and 360 Smart Motion Cameras to all Security gates.
99. Installed new Security VLAN to ensure security of all devices.
100. Updated State and local Hazardous Materials Permits to include new construction.
101. Updated Safety and Security Standard Operating Procedures and Policies.
102. Reviewed drone/UAV program and monitor regulatory changes and implement related FAA updates.
103. Increased classroom in-person safety training classes to bolster behavior-based safety culture and to provide for more hands-on training. Work closely with supervisors to achieve class selection and training schedule.
104. Developed a corrective action plan for both Security and SOA to coordinate better management of trespasser breaches, including frequent scheduled meetings with SOA and use of motion detection devices.
105. Developed a lighting plan for perimeter and new construction needs and future vulnerable areas of the plant.

106. Conducted Fire Safety Drills – Annual schedule for conducting fire safety drills at quarterly intervals for DGM review.
107. Updated the Badge procedure to ensure all existing badges reflect current employee photos on a pre-determined schedule.
108. Conducted a Hazwoper training schedule for required or mandated training.
109. Developed an annual calendar detailing training course requirements for both requirement and monthly safety topics/focus.
110. Updated the Safety & Security Intranet pages.
111. Worked with Emergency Management team to implement changes and corrections to address District Plant vulnerabilities as noted from the Jensen Hughes vulnerability evaluation.
112. Maintained safe work environment; zero hour lost due to accidents in the Lab.
113. Integrated new digital signage endpoint into the emergency broadcast system for emergencies.
114. Conducted “suspicious person” training for all district staff focuses on behaviors of concern.
115. Conducted a Vulnerability assessment of FWRC facilities with an external contractor.
116. Toured the Fusion Center partners to familiarize law enforcement with operations and infrastructure of the FWRC.
117. Toured the NV Energy personnel for utility partner engagement.
118. Conducted the Stop the Bleed courses offered to staff and provided by UMC.
119. Conducted tabletop exercise simulating a major plant power outage that involved multiple service centers, and external power agency partners in emergency protocol training.
120. Activated full integration of e911 Metropolis system for automatic transmission of emergency locations to law enforcement.
121. Participated in the Southern Nevada Fuel Disruption Tabletop exercise for fuel access during emergencies.
122. Completed the Continuity of Operations Plan (COOP) biannual update.
123. Attended the State THIRA to advocate CCWRD’s infrastructure importance and to establish Department of Homeland Security grant eligibility.

#### **Safety Culture:**

124. Maintained a safety culture:
  - a. Recognition, thanks and compliments to our Safety Committee for their oversight supporting and advocating a safe work environment.
  - b. Completed 4,906 online, 317 classroom and 544 tailgate safety and security-related trainings.
  - c. addressed all safety related accidents.
  - d. participated in the Annual OSHA Inspections.
  - e. participated in the safety improvements for the Headwork’s Hycor Units.
  - f. participated in monthly District safety committee meetings to bring concerns and receive safety information to share with staff.
  - g. involving the Lab Safety Committee that reviews lab safety issues on monthly basis and reports observation/findings to management.
  - h. addressing Safety Training online.
  - i. completing safety training exercises individually and as group.
  - j. maintaining a prominent level of safety awareness in group and surrounding areas.
  - k. reviewing/testing safety protocol when laboratory experienced several instances of fire alarm and power failure.
  - l. engaged laboratory staff in a collaborative safety culture, featuring active discussions and analysis of safety training and drills.

- m. Promote a safety attitude; consider safety in the work that is performed.
- n. Established Laboratory Safety Training online
- o. Maintained a high level of safety awareness in the Laboratory and surrounding areas
- p. Increased training sessions involving fire and police to ensure a strong partnership with first responders and to allow for better site familiarity.
- q. Completed preparedness training and exercises: Incident Command System refresher training, active assailant tabletop, active assailant drill.
- r. Continued the Workplace Violence Prevention program through ongoing training, policy updates and threat assessment team training.
- s. Updated our Emergency Operation Plans.
- t. Updated our Emergency Response Plan.
- u. Updated our Continuity of Operations Plan (COOP).
- v. Monitored Fusion Watch for local and national security incidents and events.
- w. Monitored WaterISAC for national security incidents and events.
- x. Continued Informacast (PA System) training to add PA system to identified process areas to reduce notification gaps.
- y. Updated our Threat Assessment Team and Workplace Violence Prevention Program.
- z. Updated Security plans and goals.
- aa. Utilized security drone video to enhance overall security effort and to provide support to Facilities and Engineering.
- bb. Continued in-house driving, forklift, lift equipment and other OSHA required safety classes.
- cc. Continued with online safety blogs to reinforce safety messaging.
- dd. Provided traffic control measures and construction safety updates for the Plant Expansion construction projects.
- ee. Developed a written safety program that addresses and complies with the adopted Heat Hazard Regulation. This includes the requirement to conduct a job hazard analysis related to heat illnesses.

#### Cyber Security:

- 125. Prevented computer system and network breaches to the onslaught of constant cyber security attempts:
  - a. Repelled over 431 “Critical” Known Internet Attacks.
  - b. Repelled over 1,749 “Major” Known Internet Attacks.
  - c. Repelled over 460 “Minor” Known Internet Attacks.
- 126. Attended FBI sponsored briefings on cyber security matters for critical infrastructure.
- 127. Conducted our monthly cyber security “Phishing” exercise to educate and monitor staff responses and actions in order to protect the wastewater Critical Infrastructure.

#### Sustainability:

- 128. Participated with the National Association of Clean Water Agencies to advance regulatory collaboration, advocacy, and the nationwide exchange of sustainability best practices.
- 129. Participated in the AWWA and NACWA surveys for performance metrics within the wastewater/water sector.
- 130. Moved beyond traditional treatment toward integrated sustainability strategies including energy optimization, resource recovery, and collaborative regulatory engagement. These efforts help reduce environmental impact, improve resilience to climate change and new water normalcy, and create further value from wastewater as a renewable resource.

131. Expanded real-time monitoring, modeling, and compliance strategies to proactively address emerging contaminants (including PFAS, trace organics, pathogens/viruses, high risk substances), ensure regulatory readiness, and support sustainable operations.
132. Identified internal data sources for developing metrics and trends against industry metrics.
133. Associated our Sustainability Plan to be integral with our vision and mission.
134. Developed opportunities to save water through our collection and treatment operations.
135. Our mission - Serving our community by responsibly sustaining the water care cycle invokes the essence of sustainability at the highest level.
136. Removed water pollution, caused by the discharge of contaminants into water bodies, which is a major concern that sustainable practices focus to achieve.
137. Contributed to the community interest of improving water replenishment, another critical issue, that underscores the need to utilize water resources efficiently through water reuse and maximizing return flow credits.
138. Converted the Sunrise Golf Course to the City of Las Vegas reclaimed water system to enhance service reliability, reduce lifecycle costs, decommission our aging system asset and supporting sustainable water use.
139. Focused on resource recovery on extracting valuable resources, such as energy and nutrients, from the wastewater.
140. Employed "Life Cycle" assessment evaluations of the environmental impact of wastewater treatment processes throughout their entire life cycle.
141. Advanced asset management programs to extend asset life, improve reliability, and optimize long-term capital and operating investments.
142. Monitored biosolids cake density to enhance water recovery and reduce biosolids transport weights and associated disposal costs.
143. Continue to pursue external research funding to reduce leachate volumes from Republic Services' evaporative ponds and evaluate treatment pathways for beneficial water recovery.
144. Ensured full compliance with Clark County Air Quality Program regulations applicable to plant treatment operations, equipment, and machinery.
145. Active members of the Las Vegas Valley Wash Advisory Committee (LVVWAC).
146. Active members of the Las Vegas Wash and Coordination Committee (LVWCC).
147. Served as Clark County's "Managing Agent" for the Water Quality Management Plan, leading regional coordination and advancement of the Section 208 Water Quality and Stormwater Management Programs.
148. Invested in innovative wastewater treatment technologies to improve sustainability, reliability, and long-term operational efficiency.
149. Operated a 30-MGD advanced wastewater treatment-train facility using potable-water-grade membrane bioreactors and ozone disinfection to achieve high-quality effluent.
150. Utilized activated sludge and membrane treatment processes to improve treatment efficiency and deliver high-quality effluent.
151. Applied membrane filtration in conjunction with conventional activated sludge treatment to achieve efficient pollutant removal.
152. Delivered effluent to constructed wetland treatment systems that replicate natural ecosystems and provide effective, sustainable treatment through biological, physical, and chemical processes.
153. Evaluated anaerobic digestion as a possible plant expansion consideration and determined it was not appropriate due to capital cost, lifecycle maintenance demands, and safety and security considerations.

154. Invested in nutrient removal technologies and treatment processes to reduce nitrogen and phosphorus, key contributors to water pollution and harmful impacts on the Las Vegas Wash and Lake Mead water bodies.
155. Evaluated innovative technologies with an understanding that selection must balance benefits and limitations while aligning with treatment objectives and site-specific conditions.
156. Strengthened source control and pollution prevention programs to reduce pollutants at the source and minimize treatment complexity and long-term operational demands.
157. Administered a U.S. Environmental Protection Agency-regulated Pretreatment Program to protect the Publicly Owned Treatment Works (POTW) through effective source control and pollution prevention.
158. Provided reclaimed water service to two remaining customers, supporting indirect potable reuse, recycling, and efficient non-potable uses including irrigation and industrial operations.
159. Implemented energy efficiency and renewable energy strategies to reduce carbon emissions and enhance the sustainability of wastewater operations.
160. Evaluated and advanced planning for a 10-MW solar photovoltaic array at the FWRC campus to address delays in the SNWA Boulder Flats project and strengthen energy resilience, with implementation targeted in 2026.
161. Evaluating energy systems and treatment processes across the District's six treatment facilities to advance a net-zero carbon wastewater treatment strategy.
162. Proactively monitored evolving international, national, and local wastewater treatment regulations to ensure compliance and prepare for emerging contaminants, including PFAS.
163. Worked to restore prior-year sludge cake dryness from 23% to approximately 25% on an annual average, reducing hauled biosolids volumes and saving approximately \$400,000 in Apex Landfill hauling costs.
164. Actively engaged in the County's "All-In" Sustainability Program, aligning District initiatives with broader County sustainability goals.
165. Engaged in National Association of Clean Water Agencies (NACWA) climate change and drought workshops to strengthen climate resilience and new water realities preparedness.
166. Demonstrated leadership in wastewater monitoring and surveillance programs, advancing wastewater as a science-based tool to support public health protection and community virus detection.

**Organizational Participation:**

167. Active participation in the following organizations and mission-minded associations:
  - a. the National Association of Clean Water Agencies (NACWA).
  - b. the Water Environment Federation (WEF).
  - c. the American Water Works Association (AWWA).
  - d. the Nevada Water Environment Association (NWEA).
  - e. the Nevada Water Resources Association (NWRA).
  - f. the National Clean Water Agencies Law and Enforcement Seminar.
  - g. the National Clean Water Agencies Communications Committee.
  - h. the Nevada WaterReuse Association.
  - i. the National WaterReuse Association.
  - j. the Southern Nevada Sewage and Wastewater Advisory Committee.
  - k. the Las Vegas Valley Watershed Advisory Committee.
  - l. the Las Vegas Wash Coordination Committee.
  - m. the ABC's Certification Commission for Environmental Professionals.
  - n. the Society for Maintenance and Reliability Professionals (SMRP)

- o. the Reliability Leadership Institute (RLI) Council and community of Water/Wastewater Utilities.
- p. the International Membrane Association.
- q. the Las Vegas Valley (wastewater) Discharger's group.
- r. the Nevada Professional Facility Managers Association.
- s. the Regional Business Development Advisory Council.
- t. the Nevada Public Purchasing Study Commission.
- u. on the Board of Directors for USA North One-Call Center and attended Nevada Regional Common Ground Alliance (NRCGA), to monitor changes and ensure compliance with NRS 455.
- v. the American Society of Civil Engineers (ASCE).
- w. the American Society of Mechanical Engineers (ASME).
- x. in the American Society of Electrical Engineers (ASEE).
- y. the American Concrete Institute (ACI).
- z. the American Traffic Safety Services Association (ATSSA).
- aa. the National Association of Sewer Service Companies (NASSCO).
- bb. in the Clark County's "All In" Sustainability Program.
- cc. the Lake Mead Water Quality Forum.
- dd. the Lake Mead Ecosystem Monitoring Workgroup.
- ee. the Clean Colorado River Sustainability Coalition.
- ff. the NPELRA (National Public Labor Relations Association) and NvPELRA (Nevada NPELRA).
- gg. the IPMA-HR (International Public Management Association-Human Resources), IMPA-SNHR.
- hh. the Water Professionals International (WPI) Certification Commission for Environmental Professionals (C<sub>2</sub>EP).
- ii. the Oracle Utilities User Group (OUUG).
- jj. the WaterISAC – Information Sharing and Analysis Center
- kk. the National Association of Governmental Deferred Compensation Administrators (NAGDCA).
- ll. the County's Health Benefits Executive Meeting.
- mm. the County's Deferred Compensation Executive Meeting.
- nn. the Health Benefits "Open Enrollment".
- oo. the Public Sector Human Resources Association (PSHRA).
- pp. the MACC, TASC, and Fusion Center.
- qq. the Association in the Threat Assessment Professionals.
- rr. the International Associate of Emergency Management (IAEM).
- ss. the Nevada Emergency Preparedness (NEPA).
- tt. the Certified Safety & Health Manager, Institute of Hazardous Materials Management (CSHM).
- uu. the National Fire Protection Association (NFPA).

#### **Staff Development, Training & Conferences:**

168. Staff attended the following conferences and workshops:
- a. NWEA Tri-State Conference 2025
  - b. Utility Management Conference hosted jointly by the Water Environment Federation and AWWA.
  - c. Water Environment Federation's Collection Systems Conference.
  - d. The International Code Council's Educodes Conference.
  - e. Attended NACWA's Hot Topics in Clean Water Law Seminars and webcasts.

- f. Attended NACWA 2024 Strategic Communications Conference to better position the agency and department to address key internal and external communication endeavors.
  - g. Blackhat Training & Conference.
  - h. Cisco Live Training & Conference.
  - i. Infotech Cybersecurity Workforce Dev. Program.
  - j. Reliability Conference 2025.
  - k. International Maintenance Conference 2025.
  - l. 2025 NWEA Conference.
  - m. Consumer Electronics Show (CES) 2025.
  - n. Maximo/Tririga World Conference.
  - o. Las Vegas Maximo User Group conference.
  - p. WEF Tech conference.
  - q. Conducted regularly scheduled internal Maximo training sessions.
  - r. Confined Space Awareness training.
  - s. Maintenance and Planning workshops.
  - t. Nevada Professional Facility Managers Association meetings.
  - u. Service Management workshop, led by InfoTech, to improve and standardize our Service Management processes.
  - v. Info-Tech LIVE Conference.
  - w. Oracle Ascend Conference.
  - x. See Something, Say Something – Emergency Management Video.
  - y. Knowledge 2025 Conference.
  - z. NACWA Communications Conference.
  - aa. Government Social Media Conference.
  - bb. Staff hosted virtual meetings, workshops, and outreach notices to discuss issues with the Development Community (Developers, Engineers and Contractors):
    - i. June 3, 2025: Email announcement to notify customers that Development Services will be implementing new fees for POCs, Plan Review, and Inspections. The announcement preceded the July implementation of the updated Service Rules including these new fees.
    - ii. District staff prepared numerous maps for the development community for the DOA Land Sales that occurred in January and October 2025 and posted the information on the District’s website. This information was used by the development community to be informed of District infrastructure in relation to the DOA parcels that would be auctioned.
    - iii. Staff attends monthly coordination meetings with SNHBA, NDOT, and CCPW to enhance project coordination and lessen construction disruption in the ROW for the public.
170. Staff attended the following training sessions:
- a. Through Customer Care:
    - i. Core I.
    - ii. New Hire Orientation Training.
    - iii. MBTI Personality Science.
    - iv. Microsoft Office Suite.
    - v. Round Table Talks.
    - vi. Conducted Equal Employment Opportunity (EEO) in-person training for all District employees.
  - b. Development Services:

- i. The monthly staff meeting includes a Tailgate Safety discussion in which a staff member makes the presentation to the entire staff of Development Services.
  - ii. A monthly Special Engineering Topic is presented to staff to broaden knowledge of all members of points related to their work.
  - iii. Staff attended seven Lunch & Learns by external presenters to gain advanced insight in advances in the water resource industry.
  - iv. One inspection staff completed their certification as an AMPP Level 1, Basic Coating Inspector.
  - v. One inspection staff completed their certification for ACIA – RCI.
  - vi. Four inspection staff completed their recertification in NASSCO.
  - vii. One inspection staff completed their recertification for confined space.
  - viii. Four staff attended the World of Concrete Expo.
  - ix. One staff attended the Utility Management Conference hosted jointly by the Water Environment Federation (WEF) and AWWA.
  - x. One staff attended Nevada Association of Land Surveyors Conference.
  - xi. Seven staff attended the Tri-State Seminar.
  - xii. Ten staff attended the Armorock Plant tour reviewing polymer manhole construction.
- c. Engineering Design Services:
- i. Local and nationwide training through WEFTEC, ESRI and Tristate.
  - ii. Staff attended and presented at the NWEA conference.
- d. Construction Management Services:
- i. American Construction Inspector Association (ACIA),
  - ii. American Traffic Safety Services Association (ATSSA),
  - iii. American Water Works Association (AWWA),
  - iv. PACP/MACP/LACP certifications,
  - v. American Public Works Association (APWA),
  - vi. Reliability.web,
  - vii. Water Environment Federation (WEF).
  - viii. American Concrete Institute (ACI),
  - ix. Association for Materials Protection and Performance (AMPP),
  - x. Educodes International,
  - xi. International Building Code Council (ICC),
  - xii. National Association of Sewer Service Companies (NASSCO)
  - xiii. Tri-State Seminar & Exhibition
- e. Financial services:
- i. Online training from the Government Finance Officers Association.
  - ii. Attend webinars and online classes related to honing or enhancing their accounting-related skills for the benefit of public accounting.
- f. Information Technology:
- i. Microsoft Sentinel 2025 Update.
  - ii. Re-certify Cisco Certified Network Professional: Enterprise (CCNP) .
  - iii. Red Hat full system admin 9 and 10.
  - iv. Completed Red Hat OpenShift Training.
  - v. Hacker Tools, Techniques Exploits and Incident Handling.
  - vi. Ethical Hacking.
  - vii. Nevada Digital Summit.
  - viii. IAITAM ACE convention.

- ix. 6 Sigma- Yellow Belt Certification.
  - x. ServiceNow Conference Knowledge2025 .
  - xi. (Virtual): Microsoft Power Platform for Administrators .
  - xii. Stop the Bleed.
  - xiii. Creating ServiceNow Knowledge Bases.
  - xiv. Setting up ServiceNow Virtual Agent.
  - xv. (Virtual): Microsoft Power Platform for Administrators.
  - xvi. Microsoft Power Platform Virtual Training: Dashboard in a Day.
  - xvii. Microsoft Power Platform for Administrators.
  - xxviii. UKG ASPIRE 2025.
  - xix. ServiceNow Conference Knowledge 2025.
  - xx. CES 2025.
  - xxi. Microsoft Power Platform for Administrators.
  - xxii. CompTIA A+
  - xxiii. CompTIA Security+
  - xxiv. CompTIA Server+
  - xxv. Tri-State Wastewater Conference.
  - xxvi. Defcon 2025.
  - xxvii. Nevada Digital Summi.
  - xxviii. Microsoft Intune Training Provided by Microsoft Trainer.
  - xxix. Microsoft Teams Room Training provided by Microsoft Trainer.
- g. Fleet:
- i. Individual training plans for fleet personal and professional development.
- h. Instrumentation & Controls / SCADA & Telemetry:
- i. AVEVA system Platform 1.
  - ii. led AVEVA system Platform 2 training onsite at CCWRD involving attendees from City of North Las Vegas, City of Las Vegas, City of Henderson, Boulder City, and Timet.
  - iii. factory led PLC training locally in Las Vegas.
- i. Operations:
- i. Attended Tri-State.
  - ii. WEFTEC 2025.
  - iii. Staff participated in the new equipment training for Project 19005 - Primary Preliminary.
  - iv. Staff participated in the new equipment training for Project 19007.
  - v. Trained staff members in the new UV system.
  - vi. Trained and certified staff in Class 4/5 and Class 7 Forklift operations.
  - vii. Conducted situational training to prepare the swing shift staff for unexpected power disruptions to critical plant processes.
  - viii. Continued with on-going training of Operations staff in critical areas to be run without SCADA.
  - ix. Expanded training programs to include online programs, providing increased access to technical education.
  - x. Maintained and ordered professional publications for Plant Ops Technical library.
  - xi. Provided operators with books and manuals for certification testing.
  - xii. Attended Tri-State, WEF webinars and PFAS training.
  - xiii. Participated in the training and oversight of the Hach WIMS Software and Database management.

- xiv. Provided Bypass Upset, and Spill (BUS) training to operations to ensure operators understand sampling protocol for non-compliance events.
- xv. Scheduled and provided new hire tours.
- xvi. Scheduled and coordinated Operator Core Competency Reviews with new Operations Technicians.
- xvii. Updated operator and intern onboarding materials.
- xviii. Updated operator training checklists.
- xix. Subscribe to Water Otter and 360 Water for technical training for operations and maintenance, which were used widely for general and specific training and maintenance of NWEA certifications.
- xx. Executed a feedback program designed to improve trust and understanding among Plant Operations & Laboratory Service Center leaders.
- xxi. Ensured the incorporation of employee-specific training/development goals/language in every Performance Evaluation.
- xxii. Refined a training program that automates the documentation of analyst demonstrations of competency in the Laboratory.
- xxiii. Continued to provide staff with training and education by creating, identifying, and purchasing resources for an on-site Technical Library.
- xxiv. Attended 2025 NWEA Conference in Reno.
- xxv. Twelve operators attended Tri-State 2025.
- xxvi. WEFTEC 2025 in Chicago.
- xxvii. First Aid & CPR Training.
- xxviii. Numerous Ops staff attended a local Solids Dewatering Conference.
- xxix. Attended the annual Membrane Conference.
- xxx. Participated in several workshops with the design consultant with FWRC Hydraulic Model Project.
- xxxi. participated in several workshops with the design consultant with 19005 Operational Philosophy.
- xxxii. Participated in several workshops with the design consultant with 19007 Process Control Strategy.
- xxxiii. Participated in online training through Water Otter and 360 Water.
- xxxiv. Updated training program/policies that addressed the needs/concerns of laboratory staff.
- xxxv. Conducted informal Team Building exercises for the laboratory staff, keeping to a regular schedule of at least twice a month, providing more opportunities for discussion on team building, and “Keeping it Real”.
- xxxvi. Four (4) chemists attended Tri-State Seminar.
- xxxvii. Attended the TNI conference.
- xxxviii. Continued regular Quality Control and method discussions at Lab Meetings for clarification and training especially for new employees by discussing topics such as:
  - a. calibration curves – acceptance criteria and interpretation of slope and intercept regarding curve quality, reiterated approval process for curves that performed monthly or quarterly.
  - b. analysis of efficiency checks on NO<sub>x</sub>, TKN and TOC analyses, including where they should be positioned in the sequence and acceptable results.
  - c. clarification on corrective action requirements for QCs (ICV, LFB, RL, MS/MSD, CCVs, blanks).

- d. Coliform testing – review of method requirements for transferring turbid (heavy and light) BGLB tubes; used Micro ELN as training tool for understanding Multiple Tube Fermentation and Colilert-18 procedure, review of techniques for coliform analysis to avoid sample contamination.
  - e. TOC – interpretation of maintenance needs based on instrument results.
  - f. interlab – regular results discussion and review of tests where the lab can make improvements.
  - g. flow instruments – discussion of issues and maintenance need.
  - h. flow analyses – reagents sequence of introduction, baseline recording, instrument response interpretation, shutdown procedure.
  - i. standards – discussed reagents/standards entry issues in the logbook, upkeep, and maintenance; review of TSS standards and associated COA; reiterated fiscal responsibility in placing orders to avoid waste and minimize shipping costs.
  - j. review Checklist – review of comments generated during first level and its applicability, relationship with the NCM (LIMS-Compliance) and validity of data.
  - k. NCM (LIMS-Compliance) – non-conformance training, how to document issue in LIMS-Compliance module, used as communication tool, how data can be used for process improvement.
  - l. Crossed-trained Chemists within the lab for analytical coverage resulting in 131 Demonstrations of Competence (DOCs) in good standing (93.1%).
  - m. Laboratory Ethics and Data integrity training.
  - n. improved IDOC process for Chemists by updating competency checklists questions and incorporating them within TACT+ process.
- j. Collection System
    - i. Attend the Tri-State Conference.
    - ii. Cross-training programs.
  - k. Strategic Services:
    - i. Adobe Max conference.
    - ii. AI training course at UNLV.
    - iii. Internal Communications online trainings.
    - iv. Internal communications trends and tips.
    - v. Grants University at UNLV.
    - vi. Canva training courses that focus on Canva for Work, Canva for Marketing and Canva Essentials.
  - l. Records Management:
    - i. Conducted detailed Records Management training to all Service Centers and groups.
    - ii. Sessions included how to upload electronic records; Strategies on how to conduct an I-Drive clean-up/ (ROT) analysis; and working with Records Liaisons on updating 2025 File Plans.
    - iii. Attended Courses in Excel, SharePoint, Digital Reel, NARA Records Management, and ARMA on-line training course on records retention and information lifecycle.

m. Asset Management:

- i. NFPA 70E training sessions to all District staff (30) that may work around exposed energized electrical equipment.
- ii. NFPA 70B training which focuses on the basic maintenance requirements for electrical equipment (18 staff members).
- iii. Mechanical Maintenance (4 staff members) attended precision alignment training.
- iv. Specialized / Advanced industrial electrical troubleshooting classes (1 electrician).
- v. 6 Mechanical Maintenance staff to Tri-State conference.
- vi. Fifteen staff attended centrifuge rebuilding company we created a full day curriculum on dewatering.
- vii. Trained on pump maintenance, reliability centered maintenance principles, and hands on exercises performed at the FWRC.
- viii. Conducted weekly Maximo Question and Answer/Training sessions.
- ix. Participated in Power Outage Tabletop exercise.
- x. Attended Lead Effective Meetings Core 2.
- xi. Attended Air Leak Technologies workshop to advance diagnostic skills

n. Environmental & Regulatory Compliance:

- i. Presented at NWEA's annual Conference in Reno, Nevada.
- ii. Presented at the annual Tri-State Seminar in Las Vegas, Nevada.
- iii. Presented at the UNLV College of Engineering.
- iv. Completed and submitted the 2025 NACWA Peak Performance Award Applications.
- v. Continued the administration of HACH WIMS.
- vi. Participated in various interagency efforts, including the Solid Waste Advisory Committee, Las Vegas Valley Watershed Advisory Committee, the Las Vegas Wash Coordination Committee, the Colorado River Commission, the Las Vegas Valley Dischargers, and the Clark County Advisory Board to Manage Wildlife.

**Teamwork at its Best – Collaboration & Coordination amongst Service Centers:**

171. Participated in the construction workshops for DAFT 5.
172. Participated in the construction workshops for the Solids Dewatering Concentrate Line.
173. Procured the biofilter media replacement for DAFTs 1 and 2.
174. Coordinated with Construction Management on replacing the Liner/Coating Rehabilitation for Grit Basin 5 and 6.
175. Accommodated many minor and major utility shutdowns for other construction needs and process shutdowns for electrical system maintenance.
176. Continued supporting the transition to the Asset Management and Reliability Service Center with ongoing support for the Centralized Maintenance, Asset Management, and CMMS (Maximo) programs.
177. Contributed to CIP planning on the project initiation approval (RFPIA) team.
178. Contributed to construction of the FWRC expansion (new Preliminary, Primary, Secondary, Thickening, and DAFT 5) and the Whitney & Lincoln Lift Stations.
179. Continued to partner with Construction Management on various Plant Expansion projects.
180. Continued to work with and support the District's Reliability Initiatives.
181. Continued to have biweekly Plant Process Area Communication Meetings.

182. Assisted the Process Control team with the implementation of a standardized training schedule for the Preliminary/Primary treatment area.
183. Assisted Construction Management and their contractors during multiple issues related to broken water lines, cut electrical lines and faulty valves on construction sites.
184. Provided various tours of CCWRD Flamingo facility.
185. Participated on the CCWRD Safety Committee.
186. Coordinated with CCWRD Compliance group to inspect storm drains and mitigate Operations action items.
187. Coordinated with Compliance group to start an Operations Restricted Waste Team.
188. Coordinated with hazardous waste contractor to remove/dispose of expired lab chemicals, reagents, and solvents.
189. Participated in Compliance Team Stormwater Inspections.
190. Participated in Biological Nutrient Removal (BNR) process control strategy planning meetings with Engineering, Operations, and Contractors.
191. Assisted Emergency Management with First Responders site tours.
192. Worked with Finance to determine the best changes to be made to improve the data shared between Maximo and Oracle so that their needs can match better with maintenance needs.
193. Collaborated with Finance on Sales Tax allocation issues under the SNWA Cooperative Agreement, including drafting a petition to reevaluate revenue division methodology and meeting with stakeholders.
194. Continued to work with Design and Construction groups to define and implement the process for asset tracking for new CIP projects.
195. Worked with Environmental & Regulatory Compliance to develop and produce informational employee videos to provide education on PFAS and its impacts on the environment and possible impacts and implications for CCWRD.
196. Assisted Finance and Customer Service in recovering past-due invoices by implementing a show cause process for delinquent customers.
197. Co-led the newly established District Service Rule Team, facilitating bi-monthly meetings, coordinating cross-departmental efforts, and advancing annual revisions to District Service Rules.

#### Employee Engagement:

198. Conducted Monthly email “phishing” tests. The organization is down to less than 2% on a consistent basis, while the Average failures is over 3% with the Vendor’s other clients.
199. Many “Thanks” to our Special Events Committee for their fund-raising events:
  - a. Raffles at our company events.
  - b. Bake Sales.
  - c. Chili Cook-Off.
  - d. Root-beer Float Social.
  - e. Pizza Lunch.
  - f. Clean Water Cookout Carnival.
200. Hosted New Employee Breakfasts.
201. Hosted the Clean Water Cookout.
202. Hosted the Halloween costume and pumpkin carving contests.
203. Hosted the End of Year / Holiday All-Staff Breakfast.
204. Hosted Ice Cream Truck outings.
205. Hosted the Sunrise Start-Up Event.
206. Hosted the Service Awards Luncheon.
207. Programmed Food Trucks to support employee lunches.

- 208. Conducted Apparel Sales.
- 209. Conducted New Employee Orientations.
- 210. Sponsored Can-Food Drives for Charities.
- 211. Sponsored School “back-pack” Drives for our adjacent elementary school.
- 212. Corporate Challenge.

**FLEET- Who You Trust to Keep us Moving:**

- 213. Maintained 100% Fleet compliance with federal emissions standards.
- 214. Reduced fleet vehicles by monitoring usage and re-assigning for effective utilization.
- 215. Maintained carpool with multiple vehicle types to meet District needs.
- 216. Maintained stockroom inventory to minimize fleet downtime.
- 217. District vehicles drove 929,148 miles with no major mechanical breakdown.
- 218. Fleet provided 131,130 gallons of fuel for District vehicles and equipment.
- 219. Fleet provided 34,813 gallons of unleaded fuel for District vehicles.
- 220. Fleet provided 96,317 gallons of diesel fuel for District vehicles.
- 221. Vehicles/Equipment miles per gallon were 7.1.
- 222. Fleet Work Order Opened: 4,591.
- 223. Fleet Work Orders closed: 4,361 (95% of the Work Orders created).
- 224. Developed a scheduling program for fleet service to minimize the impact on the Service Center to conduct vehicle service.
- 225. Conducted mobile crane inspections to maintain annual compliance.
- 226. Adjusted District fleet vehicles numbers by tracking usage and re-assigning or repurposing for efficient utilization. Several old units have been upfit to meet new demands or needs rather than purchasing new vehicles.
- 227. Fleet continues to send units that have meet replacement criteria to auction, but not before harvesting any parts that help maintain a professional appearance and operational readiness of current units.
- 228. Maintained carpool with multiple vehicle types to meet District needs. Fleet identified a need for loaner chase vehicles for the Collections Service Center to minimize the impact while performing PM services.
- 227. Installed updated Lithium battery technology in several units to test and identify best use practices.
- 228. Expanded the total cost over life study for District carts to include three types of batteries. (Flooded Lead Acid, Absorbed Glass Mat and, Lithium Ion).
- 229. Transferred utility bodies and flatbeds to units still in serviceable condition, extending the useful life of the unit and improving the versatility and usefulness of the unit to the district’s needs.
- 230. Improved the parts request process for scheduled service and inspections. This is an evolving project that will identify an efficient S.O.P.
- 231. Maintained SNHD and EPA leak detection and monitoring compliance.
- 232. Refined service/inspection maintenance plan for emergency use generators and pumps to meet NFPA 110 standards.
- 233. Added LWRC generators to Fleet responsibility, improving the conformity of reporting and workorders while maintaining consistency in the NFPA 110 process.
- 234. Developed emergency generator fuel S.O.P.
- 235. Scheduled monthly inspection and repair trip to LWRC to minimize unit travel time and work availability impact for LWRC employees.
- 236. Implemented a Fleet dashcam pilot program, helping to identify District liability risks and positively impact District Insurance premiums.

- 237. Assisted IT with 5G rollout for inspector vehicles.
- 238. Fleet is currently developing and refining a scheduling program for service and inspect workorders to minimize the impact on the department utilizing the vehicle due for service.
- 239. Maintained Stormwater and restricted waste compliance with zero correction items during each inspection.

**Premier Laboratory - Center of Excellence:**

- 240. Ran a premier wastewater laboratory that met all regulatory testing compliance requirements.
  - a. Completed 12,537 Wastewater Compliance Samples.
  - b. Reported 63,861 Regulatory Compliance laboratory Quality Control samples.
  - c. Performed 109,755 Laboratory Test Analyses to ensure wastewater Regulatory Compliance.
- 241. Met all federal and State environmental compliance permitting requirements and regulations.
- 242. Collected nearly daily samples for various wastewater epidemiology projects in participation with Verily Sciences, Biobot Analytics, SNHD, UNLV, SNWA and DRI.
- 243. Achieved production metrics (analytical/reporting) and Turn Around Times (TATs) as follows for the calendar year:
  - a. analytical TAT average: 2.8 days
  - b. analytical on time delivery (OTD): 96.1%
  - c. reporting TAT average: 4.4 days
  - d. reporting On Time Delivery (OTD): 96.2%
  - e. samples received: 12,577; samples completed: 12,537
  - f. tests completed: 109,755
  - g. hold time violations: <0.001%
- 244. Continued adjustment to strategies/policies, as they relate to staffing; reorganized work to maintain and improve on-time performance, capacity for internal projects, and reduced testing stress:
  - a. purchased and installed PROScientific Multi-Prep Rapid Homogenizer, an automated multi- sample homogenizing system with compact design, which allows for up to six samples to be homogenized at the same time in just a few seconds.
  - b. collaborated with staff to maintain focus on published process improvements and SOPs; removed redundancies.
  - c. managed production efficiency/accuracy despite substantial disruptions caused by a bat infestation by the sample receiving room door.
  - d. maintained average lab staff tenure to greater than five years even with two retirements.
  - e. maintained services of two retirees as part-time chemists.
  - f. hired two Sample Custodians to maintain staffing level at Sample Receiving.
  - g. hired a Research Scientist and initiated a Research program.
  - h. advanced cross-training.
  - i. completed all performance evaluations on time.
  - j. maintained two intern students from the College of Southern Nevada.
- 245. Maintained Laboratory compliance with data accuracy and integrity:
  - a. received a State of Nevada audit acceptance letter and closure to findings, and incorporated recommendations from the audit.
  - b. achieved no finding during a surprise OSHA audit.
  - c. maintained a safe work environment with zero hours lost due to accidents.
  - d. maintained 99.6% success on all three external performance testing studies for the Nevada Laboratory Certification Program.

- e. continued the longstanding monthly inter-laboratory sample program with the Cities of Las Vegas and Henderson.
  - f. continued monthly internal audit activities, which are on track to complete at least 12 procedures this year.
  - g. completed the 2025 Ethics and Data Integrity training.
246. Continued improvement with added features to the automated data review program, trained laboratory staff in its use.
247. Supported IT staff to migrate the improved certification application (TACT+) to a production environment for the documentation of chemists' demonstration of capabilities.
248. Maintained chemist certifications at elevated level with a 100% projection for year.
249. Automated a competency checklist to allow chemists responses to questions as well as the review process.

#### **Service-Driven Compliance Laboratory:**

250. Maintained full participation in wastewater analysis program by BIOBOT, Verily and WastewaterSCAN.
251. Coordinated Quarterly and Annual sampling events for main plant and outlying areas.
252. Actively participated in monthly interlaboratory testing.
253. Continued improvement with phosphorus analysis efficiency to provide same day reporting on most days.
254. Continued coliforms quarterly background study in the wash for comparison during BUS/SSO event.
255. Addressed 2025 Priority Pollutants Sampling Events and all special sampling including changes associated with permit.
256. Continued analytical input/support to the District's Pretreatment Section to minimize challenges with their sampling events.
257. Collaborated with developers to complete the Trace Organic Compound (TOC) Database to assess membrane-ozone treatment for trace and our newly initiated research program.
258. Provided support to our sister Dischargers for metals, instruments validation and cyanide analyses.
259. Continued to lead for sampling and analysis of PFAS for Laughlin and FWRC sites.
260. Provided analytical support for air quality permits.
261. Provided analytical support for FWRC De Minimis dewatering permits/construction projects.
262. Renewed Horizon Lab LIMS Contracts, including Annual Stand-Alone Software Maintenance.
263. Continued improvement with Horizon LIMS reports.
264. Continued the culture of leadership in Plant Operations, Maintenance, and Laboratory Service Center, and the improving communication and collaboration between PO&L Service Groups.
265. Started a study for C-MEM on coliforms for individual membrane to help troubleshoot coliform detect on C-MEM combined membrane.
266. Negotiated new contract for Laboratory services.

#### **Lab Equipment – Chemists & Procedures:**

267. Continued updating Standard Operating Procedures (SOPs) with chemists' participation, as follows:
- a. 18 SOP's compliant – 15 require updates.
  - b. reviewed and updated the Quality Assurance Plan along six Standard Operating Procedures.
268. Continued validating the Total Organic Carbon (TOC)-Biochemical Oxygen Demand (BOD) correlation for all permit streams to match proposed new NPDES Permit conditions.

269. Addressed weaknesses in our training program to ensuring understanding of processes and removing redundancies.
  270. Replaced one unreliable flow autosampler to reduce downtime and reanalysis frequency.
  271. Continued validation and training on the Flow Auto-Analyzer to include best practices and eliminate down time; worked with OI Analytical to address software weaknesses and made improvements to troubleshooting guides.
  272. Implemented automation on standard preparation for all flow instrument analyses using prepFast 4DXDilutionStation system leading to improved accuracy, reduced manual errors, and the reallocation of chemist resources to higher-priority tasks, enhancing overall productivity
  273. Purchased and installed a Channel FIA-1000 system from FIALab that can measure free and total cyanide by amperometry detection that uses less hazardous chemicals when compared to traditional colorimetric method.
  274. Purchased and installed Agilent 6495 Triple Quadrupole LCMS for PFAS analysis, which provides for enhanced sensitivity and robustness facilitating the detection of PFAS at exceptionally low levels.
  275. Upgraded the ICP-MS workflow by installing Agilent AD2 auto diluter, a fully supported and integrated system, which allows for calibration standard preparation and premeasurement dilution of samples.
  276. Purchased and installed a new DEENA 4 Automated Digestion System, an upgraded version of equipment that allows increased hardware options, higher-resolution ultrasonic sensor, and default eight-way valve pump for reagent dispensing.
  277. Maintained adequate redundancies with all analytical instrumentation, except ICP-MS; addressed all analytical needs (planned or ad hoc) with very minimum delays.
  278. Optimized Mars6 microwave digestion procedure for solid matrices, decreasing preparation time by 80% from the current digestion block process.
  279. Continued reviewing for improvements, our test training action plans, competency checklists, and updated internal audit checklists.
  280. Continued improvements for Total and Free Cyanide methods to address proposed new NPDES Permit conditions and continued support for other Dischargers.
  281. Upgrade of one IC system to include Carbonate EG Eluent Generator module to support difficult matrix samples.
  282. Upgraded and validation of second Alkalinity instrument.
  283. added an internal camera to the BTLIMS application to capture images associated with Coliform testing.
  284. Installed a new water bath for TDS determinations.
  285. Upgraded the Chlorophyll a spectrophotometer.
  286. Continued collection of data on PeCOD for establishing BOD relationships for better prediction of sample dilutions.
  287. Continued testing parameters for LAU UMZ and DMZ (above and below the mixing zone).
  288. Coordinated rebalancing and re-certification of fume hoods.
  289. Completed study on Coliform media to extend the holding time.
- LIMS (Laboratory Information Management System) / Automation:**
290. Improved the automated program for data review into the daily workflow, which included:
    - a. EISC application primary review checklists.
    - b. chemist professional judgement (User Modifications) to communicate to the secondary review.
    - c. automated assembly of raw and summary result reports to self-assemble.

- d. EISC secondary and Work Order review signoff to automatically commit primary and secondary review in Clinisys LIMS.
  - e. Control Charts for quality control to update when Primary Review and transfer of results to LIMS is initiated.
  - f. trending Z-Score module to update primary review Z-Score quality control limits each evening for each site.
  - g. added five-year, RPA, and Water Quality reporting to be available to view for CCWRD credentialed individuals.
  - h. contract lab data to update LIMS after data validation.
  - i. system to transfer contracted and internal LIMS data to TORC for special analysis
  - j. integration with Standards Log.
291. Continued update of the automated compliance and integrate most logbooks process into LIMS:
- a. improved efficiency with process to import all results (Contract Lab and CCWRD Lab) for all permits to NetDMR.
  - b. continued full data validation and raw data generation features.
  - c. improved Instrument QC and auto-batching with instrument/batch QC.
  - d. added Reasonable Potential and Air Quality lists, MDLs, Control Limits, and z-scores and PFAS results.
292. Evaluated, validated, and implemented the latest Version of HORIZON LIMS, which:
- a. upgraded LIMS to Horizon version 2023.1 that addressed identified weakness within the program.
  - b. reviewed and tested LIMS Clinisys Laboratory Solutions™ version 2023.3 but postponed the upgrade due to a more current version 2023.5 became available.
  - c. addressed the Productivity Report and the Condition Codes.
  - d. furthered the “paperless laboratory” initiative.
293. Updated the Vaisala temperature system with new server and software version to better support our wireless data loggers.
294. Provided a training manual to chemists for the BTLIMS DMS application to improve and optimize the documentation process for Coliform (MTF and Colilert) as well as other procedures.
295. Continued progress with application developer to convert our current Standard Log program currently written in visual basic language to .Net which aligns with our IT vision.
296. Worked with SNWA and internal staff and BTLIMS (vendor) to finalize TORC database.
297. Automated the flagging system in LIMS with email notification, Ex. Email received when field data entered where outside historical range and began sending a notification when an analysis result is close to a permit limit.
298. Made progress integrating subcontracted results into our LIMS system.
299. Improved documentation and communication between LIMS users by implementing use of Notes in LIMS for documentation of comments in sample receiving and reasons for re-prep and re-analysis that are made available in backlog reports.
300. Finalized upgrade to Windows 11 to lab computers and office computers, and began the upgrade of instrument computers.
301. Implemented electronic documentation of Media QC preparation and validation in Micro ELN and added Review Checklists to the system.
302. Added new features to the Media and QC Check process in Micro ELN (BTLIMS).
303. Made progress on automating non-automated tests to BTLIMS applications such as TDS and TSS.

304. Reviewed/tested LIMS field capture modules for sample collection.
305. Improved the Smart Dashboard used for scheduling, information dissemination, and training.
306. Updated most instrument software like FlowView, Chromeleon, MassHunter, Lab Solutions to latest versions and successfully managed the transition to new software versions, resolving technical and procedural issues encountered during implementation.
307. Strategically maintained adequate redundancy across analytical instrumentation, enabling the team to consistently meet all analytical needs with minimal delays.
308. Purchased and installed new Zebra 231 model printers retiring the old units now longer supported by the manufacturer and causing printing issues in sample receiving.
309. Accomplished the LIMS migration and domain change to cleanwaterteam.com.
310. Continued the improvement of TACT+ software automating the IDOC and CDOC processes and adding competency checklists.
311. Updated BTLIMS to include non-automated analyses like manual colorimetric and gravimetric analyses.

#### **World of Laboratory Science – Industry Contributions:**

312. Continued contribution to the Standard Methods by collaborating on editorial changes to methods being addressed for the 25<sup>th</sup> Edition.
313. Maintained presence as the Part Coordinator of Standard Methods Part 2000.
314. Provided interpretation to users of Standard Methods.
315. Worked on methods revision for Standard Methods and ASTM Standards.
316. Maintained presence with the National Environmental Laboratory Accreditation Conference (NELAC) as a new advocacy committee member and Ambassador sub-committee contributing to the review of standards.
317. Continued participation with Water Environment Federation (WEF) Lab Practice committee by reviewing and submitting comments on the Update Rules.
318. Contributed to ASTM D19 committee that meets to improve water and wastewater procedures.
319. Integrated CCWRD practices and procedures into the ASTM standards.
320. Maintained presence with the Dischargers monthly meeting and the Research and Environmental Monitoring Study Team.
321. Participated in the study of wastewater influent for SARS-CoV-2, other pathogens, and high-risk substances by:
  - a. preparing and sending samples for analysis to Verily Wastewater Monitoring (CDC NWSS), WastewaterSCAN, Biobot, and local researchers.
  - b. collaborating with Dan Gerrity from SNWA and Ed Oh from UNLV.
  - c. attending and contributing to monthly NWSS Community of Practice and WastewaterSCAN sessions.

#### **Environmental & Regulatory Compliance:**

322. Stormwater:
  - a. began utilizing Neogov for annual required Stormwater Refresher Training.
  - b. coordinated for addition of a stormwater layer to the FWRC GIS Platform.
  - c. completed all required stormwater inspections for all facilities on time.
  - d. received responses to corrective actions noted on stormwater inspection reports no later than the compliance deadline.
  - e. conducted FWRC Site Specific training for District Collection System personnel.
323. Air Quality:
  - a. coordinated Air Quality Permit revisions to bring new processes and emission units related to the new secondaries and new thickeners onto the FWRC Permit.

- b. coordinated Air Quality Permit revisions to bring the new emergency generator for the Modular Data Center onto the DBWRC Permit.
  - c. conducted required Recurring Performance Testing of FWRC Biofilters 8 and 16.
  - d. conducted required Recurring Performance Testing of LWRC Biofilter 1.
  - e. implemented a backpressure reading SOP for Biofilter 7 Observation Reporting.
  - f. implemented an updated Generator Observation Report collection methodology utilizing Microsoft Forms.
  - g. coordinated for addition of an Air Quality Layer to the FWRC GIS Platform.
  - h. completed Full Compliance Evaluation of the FWRC, the Pebble Lift Station, and the Mountains Edge Lift Station.
  - i. consulted with Fleet Services on NFPA 110 electrical testing and its impact on Air Quality Observation Reporting.
  - j. terminated Dust Operating Permit for Maintenance Laydown yard by coupling it into the overall FWRC permit.
324. Restricted Waste:
- a. coordinated response efforts for the release of Ferric Chloride during demolition of the Old Solids building.
  - b. completed restricted waste Compliance Evaluations of FWRC and LWRC.
  - c. recommissioned the centralized restricted waste accumulation area in the FWRC Warehouse Laydown Yard.
  - d. coordinated with Safety to ensure compliance at the new Centralized Waste Accumulation Area.
  - e. conducted annual Restricted Waste Team meeting including representation from each service group.
  - f. coordinated a bulk disposal of accumulated restricted waste utilizing existing operations contracts.
325. Regulatory:
- a. Conducted a Noise Survey for FWRC in response to a complaint and being a good neighbor.
  - b. Conducted an Odor Survey for FWRC in response to a complaint and being a good neighbor.
  - c. Assisted Safety in procuring Fire Operational Permits for LWRC Lift Stations.
  - d. Obtained a reasonable settlement for the 2023 Whitney Lift Station Finding of Alleged Violation.
  - e. Conducted regulatory reviews of 2025 Nevada Legislature SB 276, AB 104, AB 40, and AB 220.
  - f. Developed and managed relevant Southern Nevada stakeholder group for development of Direct Potable Resue Regulations, led discussion of this process and interacted with NDEP.
  - g. Coordinated response efforts for the February 2025 release from the FWRC Reuse Distribution System.
  - h. Managed projects to conduct Phase I and Phase II ESAs, including a limited subsurface investigation of the Blue Diamond facility.
  - i. Coordinated public commenting on relevant NDEP distributions.
  - j. Collaborated on the District's updated HazCom Policy.
  - k. Coordinated the placement of update reuse water signage at the FWRC.
  - l. Participated in preparation and submittal of several NPDES required reports and studies across all facilities.

- m. Conducted NPDES compliance evaluations of the LWRC, Searchlight, and Indian Springs plants.
  - n. Rebutted NDEP statements regarding pond leakage at the Searchlight ponds
  - o. Consulted with the Truckee Meadows on NPDES Permit negotiations and iWLA considerations.
  - p. Consulted with legal on update of Clark County Ordinances.
  - q. Consulted with the Southern Nevada Health District on a Septic System Regulatory update.
  - r. Consulted internally on grease and scum recycling considerations.
  - s. Drafted multiple 5-day Sanitary Sewer Overflow (SSO) Reports for the Collection System Service Center and coordinated GIS in the preparation of the accompanying maps.
  - t. Negotiated the content of NDEP's draft NPDES permit and Fact Sheet for the FWRC.
326. Regulatory Support for Engineering Projects:
- a. 19007 (FWRC Secondaries) - consulted to obtain necessary information to allow discharge of groundwater to FWRC for treatment, responded to a release during clarifier tightness testing.
  - b. 19100 (Whitney Lift Station Rehab) - consulted to obtain necessary information to allow discharge of groundwater to FWRC for treatment.
  - c. 19100 (Lincoln Lift Station Rehab) - consulted to obtain necessary information to allow discharge of groundwater to FWRC for treatment.
  - d. 19000 (Crosstown Interceptor - consulted on specification language involving construction dewatering.
  - e. 20102 (Laughlin Lift Station Rehab) – served as a liaison for discussions with NDEP and Cal-Edison Power.
327. Regulatory Reporting:
- a. Prepared numerous reports for the stormwater and air quality compliance reports such as inspection reports, visual assessment reports, and annual reports.
  - b. Continued data compilation and dissemination of monthly flow reporting.
  - c. Drafted multiple 5-day Sanitary Sewer Overflow (SSO) Reports for the Collection System Service Group and coordinated GIS in the preparation of the accompanying maps.
  - d. Addressed Illicit discharges into the sanitary sewer collection system.

**Collection System Services – Safeguarding the residences, businesses & tourists:**

- 328. Sanitary sewer overflow (SSO) spill rate per 100 miles was 0.21.
- 329. Completed 21 excavated repairs on collection system sewer mainline.
- 330. Completed 27 mainline pipe repairs using trenchless technologies.
- 331. Completed 67 manhole repairs and 19 confined space entries.
- 332. Completed 187 special projects for plant operations and property maintenance.
- 333. Completed 59 Septic Conversion locates and inspections.
- 334. Recovered and disposed of approximately 167,029 gallons of grease from FWRC and 74,626 gallons of grease from Lift stations.
- 335. Maintained, tested, and optimized 27 chemical feed sites in the collection system.
- 336. Continue with the installation of remote monitoring to all 26 Chemical Feed site locations utilizing the SCADA system.
- 337. Working with the County (RPM) to relocate our feed system at the Clark County Fire Department.
- 338. Replaced and upgraded old fencing at existing feed sites that have been cut and mangled by the growing homeless population in the valley.

339. Continued to assess and maintain 10 scrubbers and bio filters from our lift stations and Industrial site.
340. Performed condition assessments at 8 lift station scrubbers and bio-filters.
341. Cleaned 788 miles of sewer pipe.
342. Performed closed circuit television (CCTV) inspections on 198 miles of sanitary sewer pipe.
343. Condition Assessed 194 miles of Sewer Pipe.
344. Completed 70 Sewer Pipe Repairs
345. Maintained 145 manhole inserts in the collection system.
346. Continued to comply with marking the location of District facilities and private laterals within 2 days in accordance with Nevada Revised Statutes (NRS).
347. Responded to 61,207 USA dig tickets.
348. Responded to 1,035 complaint calls to our emergency hotline.
349. Completed 44 unscheduled CCTV requests from our collection group, Engineering, and customer service.
350. Conducted 4,717 FOGG Interceptor Inspections.
351. Implemented a (6) cross training process through our 6 service sections in Collections for new hires to create a more substantial onboarding process.
352. Completed 930 sand/oil interceptors, 3,780 grease interceptors and 7 new business license inspections.
353. Completed 741 follow-up inspections.
354. Completed 40 FOGG enforcement actions, with 175 notices of violation issued for \$79,200 in penalties.
355. Completed 14 significant industrial user (SIU) sampling events, 3 annual inspections 116 IW Surveys, 2 Permit applications and 32 enforcement actions for a total of \$19,300 in penalties.
356. Increased the number of facilities approved under the Alternative FOGG Pilot program from 116 to 182.
357. Completed an EPA Pretreatment Audit Resulting in 5 Areas of concern and no Violations, 3 areas of concern were remedied by Permit Amendments to all Permitted users and 1 was a typographical error on submitted form all others will be cleared with Enforcement Response Plan changes by End of Year.
358. Continued to coordinate with Engineering on various Development, CIP and emergency projects to minimize impacts to the public, protect the District and provide proper conveyance of sanitary sewer to FWRC.
359. Implemented and utilize the new computerized maintenance management system, Cityworks, and transitioned to GraniteNet Web for CCTV videos.
360. Recovered over 249,441 gallons of grease from the FWRC.
361. Recovered over 98,120 gallons of grease from the Lift Stations.
362. Executed four (4) Temporary Connection Agreements to the following events:
  - a. Electric Daisy Carnival (EDC)
  - b. Formula 1 – Las Vegas Grand Prix
  - c. Venetian Resort Las Vegas
  - d. Bellagio

**Plant Operations – Treatment derived from Science and Operational Expertise:**

363. Ensured the operational stability and consistent excellent performance of all plants thereby ensuring no permit exceedances at any of our mechanical plants.
364. Led our efforts to further the science wastewater epidemiology (surveillance); interacted with the Southern Nevada Health District and the Nevada State Office of Epidemiology to further usability of the data.

365. Provided numerous interviews and tours that resulted new stories and videos related to return flows, wastewater treatment, and wastewater epidemiology.
366. Administered the operation of the PO&L SC out of trailers to facilitate the OCC renovation/expansion.
367. Saved District ratepayers four million dollars on the PO&L SC electrical budget and nine million dollars on the PO&L overall Operations and Maintenance budget for fiscal year 2025 (FY25).
368. Dealt with supply chain and price increases (especially chemicals and electricity) to maintain reliability and remain well within all FY25 budgets; generated the FY26 budgets.
369. Converted The Club at Sunrise Golf Course to reclaimed water from the City of Las Vegas, which was the last step to eliminating the need for, and the liability associated with, the aging reuse water force main from the FWRC to the north.
370. Developed organizational and succession plans for key areas of the Service Center, led an initiative to fill open positions.
371. Executed a staffing plan in the Instrumentation & Controls and SCADA & Telemetry Sections by filling four of seven openings.
372. Operated with 98 full-time PCNs, managing the expanding flows, loadings, facilities, and responsibilities.
373. Directly managed the Compliance and Regulatory Affairs, Instrumentation & Controls, and SCADA & Telemetry Sections in the absence of a manager Helped lead the expanding Asset Management and Reliability Program on the steering committee.
374. Studied staffing that will be necessary to operate and maintain the new (under construction) preliminary, primary, secondary, and sludge thickening facilities at the FWRC.
375. Evaluated proposals for new treatment technologies even those that appear to be “snake oil,” especially those that recover resources (like materials or energy) and/or reduce the quantity of waste; none proved worth of executing.
376. Contributed the Records Management Initiative.
377. Contributed to the Septic Conversion Program.
378. Contributed to revitalizing the District’s Strategic Plan.
379. Reassessed the cyber security of the SCADA and process control systems; executed the recommendations of penetration testing and the plan formulated with the Operational Technology Security Specialist.
380. Led development of the trace organics database, began analysis of the data with the intent of evaluating the effectiveness of membrane ozone.
381. Led negotiations for the Dischargers on renewals of the main NPDES permits in the Las Vegas Valley.
382. Restarted discussions with NDEP to discharge membrane effluent without ozonation.
383. Ensured Laboratory compliance, data accuracy, and integrity.
384. Worked with the Laboratory leadership to assess work strategies and staffing; reorganized work to improve on time performance, capacity for internal projects, and reduce stress.
385. Ensured all PO&L SC employees received an on time, thorough, and thoughtful performance evaluation.
386. Revitalize the Employee / Organizational Development Program.
387. Maintained a good safety record, facilitated by training and a safety attitude.
388. Participated with internal and external partners to address watershed issues and develop water quality plans, including defining the District’s roles.
389. Led District interactions with federal/state/local regulators and stakeholders/partners/committees involved in watershed water quality.
390. Improved rapport with NDEP’s new leadership and staff.

391. Realized no permit exceedances.
  392. Participated in various plant expansion design workshops for future expansion.
  393. Improved the Process Information Management System (PIMS) that expands the ability to optimize treatment and provide Key Performance Indicators (KPIs) for all process areas.
  394. Worked with Purchasing to procure a new Liquid Oxygen Contract.
  395. Collaborated with the Maintenance Service Group on implementing Planning and Scheduling in all treatment areas.
  396. Contributed to the Desert Research Institute PFAS Study.
  397. Contributed to numerous SNWA research studies led by Eric Dickenson.
  398. helped Daniel Gerrity (SNWA) and Ed Oh (UNLV) in the monitoring of COVID-19, illicit drugs, and other pathogens (wastewater surveillance).
  399. Participated in US Dept. of Health and Human Services National Institute for Drug Abuse (NIDA) illicit substance wastewater surveillance study and ongoing testing with Biobot.
  400. Participated in the National Wastewater Surveillance System and wastewaterSCAN program with Verily.
  401. Continued to meet internal process Key Process Metrics for Ammonia and Phosphorous removal.
  402. Completed and submitted all FWRC Quarterly Discharge Permit reports on time to NDEP.
  403. Continued to work with Reliability Team on District Reliability Strategies.
  404. Served as the Point of Contact (POC) for the Reliability Leadership Institute Community of Water/Wastewater Utilities.
  405. Continued to participate with the Las Vegas Valley Dischargers group.
  406. Coordinated the selection of key stakeholders to participate in the FWRC Odor Control Process Improvement Team (PIT).
  407. Participated in a Continuous Improvement Plan for Septage Unloading Data and Billing process.
  408. Collaborated with and participated in several compliance and regulatory initiatives, processes, and corrective actions for the FWRC.
  409. Worked with Compliance and Regulatory Affairs (C&RA) to update and renew the FWRC Air Quality Permit.
  410. Worked with C&RA and Engineering on several CIP groundwater discharge requirements.
- SCADA / Instrumentation & Controls:**
411. Added electric actuators to two Aeration Basin zones at the Moapa Valley WTF.
  412. Added new electric actuators to the isolation gates at the ponds including full SCADA control.
  413. Replaced outdated and failing VFDs for the Laughlin Equalization Basins.
  414. Replaced failed VFD at Whitney Lift Station.
  415. Replaced and upgraded the motor control panel and wiring at Symphony Lift Station.
  416. Replaced failed VFDs on three South Secondary WAS pumps.
  417. Replaced high pressure nitrogen controlled failsafe actuator with a new safe and maintainable hydraulic actuator.
  418. Upgraded atmospheric gas monitoring equipment at the membranes and ozone facility.
  419. Replaced failed hydraulic actuators and PEPS.
  420. Created redundancy for network communication to each of the Collections System Bioxide feed sites.
  421. SCADA / instrumentation:
    - a. oversaw the FWRC SCADA platform upgrade from AVEVA InTouch graphics to the new AVEVA OMI platform for long term operability and longevity
    - b. planned and replaced hardware for each SCADA terminal location in preparation for new OMI platform rollout

- c. researched and integrated SentinelOne platform on all PCs and servers within the SCADA network
- d. administered OT network security patches to firewalls and routers
- e. deployed new Dell VxRail servers within the SCADA system
- f. created PLC level security login
- g. modified PLC code and network switches for Primary Pump Room construction related to Project 19102
- h. Continued to work with the SCADA Consultant on the Operational Control Strategy for Project 19005
- i. Continued to work with the SCADA Consultant with upgrading the current SCADA Systems for FWRC

**Operations - Preliminary / Primary / Odor Treatment:**

- 422. Updated IntelTrac, automated mobile operator rounds, for Preliminary/Primary Treatment.
- 423. Continued to work with Vector Control to mitigate biofilter weed issues.
- 424. Met all air quality standards for 2025.
- 425. Made improvements to process control parameters to optimize process area performance and chemical dosing efficiency.
- 426. Troubleshoot a significant issue with the FWRC's influent flow metering devices which were artificially inflating the plant influent flow by approximately 15 MGD, resolving the problem with a simple programming solution.
- 427. Assisted with the integration of three new operations staff members and four new program assistants.
- 428. Worked with the regulatory and compliance group to incorporate performance monitoring metrics to satisfy Department of Air Quality permit requirements.
- 429. Coordinated multiple primary pump room shutdowns/isolations/line flushes for the rehabilitation of primary pump rooms 1-6, as part of project 19102.
- 430. Commissioned and participated in startup of 11 new progressive cavity pumps and seal water delivery systems as part of project 19102.
- 431. Navigated multiple equipment failures during the primary sludge pump room rehabilitation of Project 19102 which required creative solutions to maintain the integrity of the treatment process.
- 432. Commenced audits of the odor control systems in the primary treatment area and engaged in correcting issues of concern.
- 433. Developed and updated standard operating procedures for critical functions in the Preliminary and Primary treatment area.
- 434. Worked with Stantec Engineering to collect vital data used to develop the Facility's hydraulic model.
- 435. Engaged with HDR, Wunderlich -Malec, CCWRD construction management and engineering design to discuss flow split strategies for the upcoming commissioning of the new Headworks facility as part of project 19005.
- 436. Participated in the training of all new equipment associated with the facility expansion as part of project 19005.
- 437. Troubleshoot and rectified a long-standing issue with the Cross-Town odor control fan which had the potential to create odor issues in the collection system and adjacent communities.
- 438. Participated in Whitney and Lincoln Lift Station rehabilitation projects, collected ground water samples, and analyzed for total suspended solids.
- 439. Continued the non- application of polymer to the primary clarifiers as an experiment and to facilitate maintenance, and we continue to operate in this mode with no issues.

- 440. Executed multiple area shutdowns to assist electrical staff with required Load Center and Switchgear maintenance and repair.
- 441. Continued to optimize primary sludge pumping, sludge blanket levels, and volatile fatty acid (VFA) production to improve downstream process performance.
- 442. Participated in project 19005 and 19102 construction management meetings.
- 443. Worked on optimizing chemical dosing of ferric chloride to reduce consumption/costs while maintaining treatment quality.
- 444. Worked with control systems to simplify and improve operator interface with SCADA screens in the process area.
- 445. Exercised underground reuse valves utilizing the valve truck.

**Operations - Secondary Treatment:**

- 446. Performed process testing of the aeration basin microbiology under different conditions that affect phosphorous, ammonia and TSS, which assisted with the future planning of shutdown for the new aeration basin project.
- 447. Executed multiple area shutdowns to assist Electrical staff with required Load Center and Switchgear maintenance and repair.
- 448. Performed potable and reuse valve exercising maintenance on the South Aeration Secondary Treatment Area.
- 449. Completed weekly compliance Primary Effluent Pump Station (PEPS) Air Quality reports.
- 450. Coordinated with plant maintenance for the replacement of Secondary Clarifier weir brushes.
- 451. Collaborated with Maintenance and contractors on Project 19007 (Aeration Basin Expansion).
- 452. Coordinated with Maintenance for the repair and replacement of two PEPS pumps.
- 453. Coordinated with maintenance for the repair of broken diffusers and a lateral within Aeration Basin 1.
- 454. Coordinated with Instrumentation and Maintenance on the repairs of various Turblex and Roots Blowers.
- 455. Coordinated with Maintenance on the repair and replacement of multiple RAS and WAS pumps.
- 456. Coordinated with Instrumentation on the replacement of various VFDs.
- 457. Created and maintained an inventory of Secondary Treatment ancillary supplies and equipment.
- 458. Provided various tours of the Secondary Treatment Process.
- 459. Scheduled and coordinated with Hach for onsite annual service.
- 460. Inspected, calibrated, and replaced DO caps on all dissolved oxygen probe.
- 461. Participated in the FWRC Plant Hydraulic Modeling project with Engineering, Process Control, and Contractors.
- 462. Coordinated with Construction Management to replace four broken scum valves which restored normal operation.

**Operations - Tertiary Treatment:**

- 463. Maintained effluent total phosphorus concentrations within the District goal of 0.1 mg P/L.
- 464. Maintained reuse water quality at or above standards.
- 465. Maintained the ultraviolet (UV) disinfection systems which kept the effluent disinfection within permit limits.
- 466. Participated in several electrical shutdowns for scheduled preventative maintenance.
- 467. Participated in several shutdowns for contractors to perform demolition of old facilities.
- 468. Completed potable and reuse valve exercising on the East Campus.

- 469. Collaborated with internal staff to purchase a more reliable and efficient way to operate UV influent gate 3001, replaced the old-style accumulator (nitrogen/psi) with electrical power that comes with a backup battery pack power supply.
- 470. Collaborated with Trojan, the UV System manufacturer on troubleshooting driver failures, found ways to improve efficiency of the UV Power Distribution Center (PDC) drivers.
- 471. Installed new AC units for all UV PDCs to help improve driver performance during the summer months.
- 472. Contributed to the FWRC Plant Hydraulic Modeling Project.

#### **Operations - Membrane / Ozone:**

- 473. Replaced last three membrane cells with new membranes, which will complete the Three-Phase membrane replacement project.
- 474. Continued to optimize the operation of the 30 MGD Membrane/Ozone (M/O) facility, we are running it at about 15-18 MGD for efficiency.
- 475. Continued to participate in the implementation of the IntelTrac System for completing daily rounds with the addition of utilizing IntelTrac.
- 476. Continued to train inexperienced staff on performing duties in area.
- 477. Performed numerous shutdowns to accommodate electrical preventative maintenance, construction of new connections, and demolition of existing structures.
- 478. Completed the potable water valve exercising on the East Campus.
- 479. Completed the membrane fitting replacement on Cells 9 and 10.

#### **Solids Dewatering:**

- 480. Collaborated with supervisors on a plan to enhance the training opportunities and needs for staff.
- 481. Completed 36,000-hour service on three centrifuges.
- 482. Completed the polymer aging tank clean out project.
- 483. Completed polymer neat tank cleanout on the last two tanks, all four tanks have now been cleaned out.
- 484. Accomplished a major reuse water repair that has been in limbo for several years.
- 485. Completed major construction projects requiring re-plumbing Transfer Pump Station (TPS) with minimal impact.
- 486. Completed major construction projects in the dewatering building with minimal impact including potable water and reuse line tie in.
- 487. Rotated Centrifuge Feed Tanks' after several years of no rotation.
- 488. Cleaned out and inspected the Thickened Sludge Feed Tank.
- 489. Contributed to the design and planning for DAFT 5.
- 490. Began the process of rehabilitating the Centrate Wet Well.
- 491. Rehabilitated three manholes at DAFTs 3 and 4.
- 492. Repaired and calibrated the CEM solids microwave.
- 493. Rehabilitated Switch Gear 3.
- 494. Continued ferric chloride dosing efficiency.
- 495. Installed a new data network server.
- 496. Began the peroxide chemical addition pilot project, which has the potential to decrease chemical costs and the return of dissolved phosphorus to the secondaries.
- 497. Disposed of seven totes of concentrated hydrochloric acid through hazardous waste compliance.
- 498. Performed numerous shutdowns to accommodate electrical preventative maintenance activities.
- 499. Implemented the SCADA HACH WIMS data management improvements.

- 500. Increased Solids Lab microwave capacity for improved throughput.
- 501. Streamlined IntelTrac rounds.
- 502. Continued collaboration with construction of the sludge thickeners, new primary sludge screening facility, and TPS bypass.
- 503. Smoke tested the Solids Dewatering Biofilters and four DAFT Biofilters.

#### **Swing Shift:**

- 504. Assisted day shift staff in multiple contractor shutdowns.
- 505. Assisted electrical maintenance staff with electrical preventative maintenance testing shutdowns.
- 506. Navigated multiple plant challenges yet maintained operations.
- 507. Continued to perform and complete all FWRC Emergency Eye Wash Station Preventative Maintenance Tasks.
- 508. Assisted vendors with extending hours for Septage dumping during high profile events within the valley.
- 509. Continued to operate the facility in an efficient manner to meet permit compliance.
- 510. Assisted with all required permit compliance sampling events when called upon.
- 511. Worked with all Ops Supervisors to create more efficient ways of operating the plant.
- 512. Participated in the noise and odor control internal study.

#### **Operations - Process Control and Process Control Lab – Sampling / Studies:**

- 513. Assisted with sampling and data gathering for various PFAS and COVID-19 studies.
- 514. Coordinated UNLV's Outlying Areas COVID Surveillance Study.
- 515. Coordinated with UNLV for Influent grab samples on Wednesdays and Fridays to evaluate for MPOX as a comparison with grabs from bars and strip samples.
- 516. Assisted and provided various wastewater samples for multiple SNWA and UNLV Pilot Studies.
- 517. Attended Verily's wastewater surveillance new sampling pilot project meetings.
- 518. Participated in wastewater surveillance program facility survey.
- 519. Collected quarterly grab samples at The Club at Sunrise golf course.
- 520. Coordinated Wash Profile sampling event with the Lab and Operations to collect Bac-T samples from the Las Vegas Wash to establish a better understanding of the Wash's coliform profile.
- 521. Maintained programming for Influent and Effluent compliance automated samplers.
- 522. Coordinated with Construction Management and Compliance with analyzing multiple TSS groundwater samples for FWRC and Lift Station Projects.
- 523. Assisted in multiple Compliance Team Stormwater Inspections.
- 524. Coordinated mitigation of Stormwater corrective actions for Plant Operations.
- 525. Coordinated with CCWRD Outline Facilities to upgrade and purchase sampling equipment.
- 526. Coordinated with Engineering for Project 19102 TSS calibration for primary sludge pumping.

#### **Operations - Measurements / Data / Reports:**

- 527. Created SOPs and Job Plans to aid Operations with electrical testing.
- 528. Provided process data for monthly reports and projects.
- 529. Managed the monthly Effluent Reuse Water (ERW) report.
- 530. Managed the monthly Influent and Effluent Report.
- 531. Managed the annual Influent report.
- 532. Provided process data for the new secondary treatment process control model.
- 533. Provided Influent and Effluent data for the FWRC Hydraulic Model Project.
- 534. Managed quarterly chemical inventory for financial reporting.
- 535. Maintained the accuracy of the TSS meters through lab testing to ensure Ops has the correct concentrations to make process decisions.
- 536. Continued background work to develop IntelTrac rounds for all areas of operations.

- 537. Continued to work with plant operations, control systems, and an outside vendor with the implementation of IntelaTrac mobile rounds with incorporating the Maximo Service Request functionality.
- 538. Investigated rising nutrient levels in Aeration Basins and made appropriate process changes and requested equipment repairs to improve Aeration Basin efficacy.
- 539. Attended new equipment training for Project 19005.
- 540. Provided Waste Load Allocation data to the Dischargers.

**Asset Management and Reliability Centered Maintenance (Predictive & Preventative):**

- 541. Created a number of dashboards with the use of Power BI. These dashboards have made it easier to see some of the data in the Maximo system and allow the user to filter and sort the information. Without Power BI making the data more flexible to view is much more difficult as the reports are coded for each specific need.
- 542. Advanced asset data maturity by defining asset classes, failure classifications, and failure modes to support reliability and risk-based decision-making.
- 543. Facilitated cross-functional workshops with Instrumentation, HVAC, and Mechanical Maintenance experts to capture institutional knowledge and standardize failure reporting.
- 544. Led cause mapping and root cause analyses, reliability-centered maintenance/design workshops, and criticality analyses to improve system reliability and risk management.
- 545. Provided continuous analytical and technical support to O&M staff, including issue investigations, improvement evaluations, and use of archived records to support legacy asset decision-making.
- 546. Mapped and evaluated the asset onboarding process to identify gaps and advance standardized, efficient onboarding practices.
- 547. Completed the physical asset audit for the Solids Dewatering Facility.
- 548. Completed the new Asset Data Capture Guideline for tracking and recording assets through the Capital Improvement Program.
- 549. Completed a gap analysis between O&M and Finance on asset tracking, identification, and lifecycle management.
- 550. Involved in start-up and commissioning of the new headworks and primary treatment project (19005) ensuring the commissioning is compliant with both the construction contract and the needs of operations and maintenance.
- 551. Completed the condition assessment for the bridge over the Wash connecting east and west campuses of the FWRC, with an assessment outcome which led to one-time improvement opportunities to prevent asset degradation, as well as job plans and schedules for preventative maintenance activities that have been scheduled in the Cmms.
- 552. Began the subprocess assessment on the Electrical Distribution system Arc Flash analysis is ongoing.
- 553. Began the subprocess condition assessment on the Bar Screen Facility. This project is currently ongoing and includes equipment condition assessments, maintenance history reviews, preventative maintenance tasks and job plans, and fine tuning the asset level criticality scores.
- 554. Began subprocess condition assessment on the FWRC UV Disinfection Facility. This Project is currently ongoing. This project is currently ongoing and includes equipment condition assessments, maintenance history reviews, preventative maintenance tasks and job plans, and fine tuning the asset level criticality scores.
- 555. Began a data improvement project to define asset classes, failure classification, and failure modes. Facilitated workshops with subject matter experts in Instrumentation, HVAC, Electrical Maintenance and Mechanical Maintenance to build consensus and extract staff knowledge for the process of standardizing failure reporting.

556. Completed the data improvement project with Instrumentation, HVAC and Mechanical Maintenance.
  557. Completed the assets classes and about half of the failure modes with Electrical Maintenance.
  558. Advanced a culture of reliability and provided training to other company-wide Service Centers.
  559. Worked to expand the use and implementation of root cause analyses throughout the District.
  560. Worked with the warehouse in changing the process between Asset Management (particularly the maintenance side of things) and how parts are ordered.
  561. Used the enDaq sensor for data capture of useful information in regards to the forces seen on the manholes during the F1 race.
  562. Implemented a process for planning, scheduling and purchasing new maintenance items.
  563. Completed definitions for asset classes and failure classifications through facilitated workshops with subject matter experts in Instrumentation, HVAC, Mechanical Maintenance, and Electrical Maintenance. Failure modes for the finalized asset classes is ongoing.
  564. Led cause mapping exercises (root cause analyses), reliability centered maintenance/design workshops, and criticality analyses at the subprocess level.
  565. Supported O&M staff throughout the year in a variety of ways, including investigation and analysis into problems, issues, and proposed improvements. Assisted staff in finding pertinent information from archived records to assist in older asset investigations.
  566. Completed the physical audit of assets for the Flamingo Water Resource Center Solids Handling Facility.
  567. Continued developing subprocess assessment program using the results of the criticality analysis:
    - a. Began subprocess assessment on the Bar Screen Facility, Ultraviolet Disinfection Facility, and Primary Effluent Pump Station.
    - b. Completed the assessment and load rating on the bridge over the wash. Inspection of the bridge concluded that it's in excellent condition. Outcome of the assessment led to one-time opportunities, and job plans for preventative maintenance.
  568. Completed the new Asset Data Capture Guideline for tracking and recording assets through the Capital Improvement Program. Obtained Senior Leadership acceptance of the plan, including the data to be captured, the flow of data, and the definition of what the District considers an asset in the categories of Plant and Lift Station Assets and Building and Infrastructure Assets. This project was a joint effort comprised of staff from Finance, Engineering, Maintenance, and Asset Management:
    - a. Upon completion, AM presented the new Asset Data Capture Guideline to both Design and Construction service centers who have begun to implement the new process on existing project and upcoming projects.
    - b. This new process is being implemented on all the plant expansion project.s
- Computerized Maintenance Management System (CMMS):**
569. Researched options for the Maximo system with hosting and licensing options.
  570. Moved Maximo DB to newer version of Linux.
  571. Created new start centers and modified some existing ones to meet customer requests and needs.
  572. Modified the Service Request screen to better fit Plant Operations needs (what change was this).
  573. Modified the Work Order screen to enable status updates of Materials needed for the work.
  574. Added the Where Used Tab in Item Master to enable quick reference of spare parts on assets.
  575. Continued efforts in Maximo data cleanups.

- 576. Made changes in Maximo to improve user experience and better quality data such as changing length of fields for better visibility, rearrangement of fields, adding new fields to track information, adding capability.
- 577. Improved the interface between Maximo and Oracle for item master records.
- 578. Assisted with automated test scripts between Maximo and Oracle.
- 579. Created various reports for visibility of Maximo information.
- 580. Created new data governance/quick guides for data entry for purchase requests, item master, preventive maintenance, job plans, service requests and other applications.

**CMMS Planning / Scheduling (P/S):**

- 581. Updated numerous preventive maintenance records to improve on visibility and ability to see location information.
- 582. Conduct weekly meetings to plan/schedule work for the week with each location.
- 583. Met with vendors to continue District rapport and review new line cards and equipment.
- 584. Attend weekly Lincoln and Whitney Lift Station progress meetings.
- 585. Participated regularly in the Safety Committee meetings.
- 586. Attended weekly Change Advisory Board meetings.

**CMMS Condition-based Maintenance (CbM):**

- 587. Installed wireless, remote vibration monitoring / automated lubrication system on Primary OCF's 1-4 and Truck Bay overhead OCF's.
- 588. Worked with LWRC staff in a multiple craft approach, changing the way Centrifuges are utilized to increase longevity / reliability.
- 589. Performed F1 Race manhole impact study for 2025.
- 590. Added additional assets to the oil analysis program.

**Centralized Maintenance Activity:**

- 591. Created 3,188 Service Requests.
- 592. Resolved 2,724 Service Requests.
- 593. Generated 2,656 Work Orders.
- 594. Created 310 Special Projects, and completed 290 of them.
- 595. Created 2,147 Corrective Maintenance work orders and completed 2,287.
- 596. Created 5,112 Preventative/Predictive work orders and completed 4,701.
- 597. Created 4 Equipment failure work orders and completed 3.
- 598. Created 45 Regulatory Safety Work Orders and completed 46.
- 599. There were no emergency work orders necessary.

**Flamingo Water Resource Center (FWRC) Mechanical Maintenance:**

- 600. Completed over 800 corrective maintenance work orders.
- 601. Completed over 2600 preventative maintenance work orders.
- 602. Replaced or repaired over 50 pumps throughout FWRC.
- 603. Certified over 45 backflow preventers, repaired or replaced 8 backflows.
- 604. Conducted annual cross connection survey.
- 605. Coordinated and ensured annual crane inspections (45 cranes) were performed.
- 606. Completed over 140 Purchase Requisitions.
- 607. Inspected and repaired over 90 valves, replaced over 30.

**Preliminary/Primary Treatment Maintenance Activities:**

- 608. Welded Grit Dewatering Unit 1 trough.
- 609. Replaced Grit Dewatering Unit 2 liners.
- 610. Removed and Replaced Primary Clarifier 9 Gearbox Drive.
- 611. Removed and Replaced 10 OCF discharge pipe couplings.
- 612. Repaired Grit Basin 4 Effluent Slide Gate.

613. Replaced all check valves Primary Pump Room 1.

**Secondary Treatment Maintenance Activities:**

614. Removed and replaced 6 Aeration Basin Mixers.

615. Repaired 3 Aeration Basin Piping Leaks.

616. Removed and Replaced 30 inch check valve, isolation valves and piping on 2 RAS Pumps.

617. Removed and replaced Secondary Clarifier 14 Skimmer Arms.

618. Replaced 5 Secondary SCUM pumps.

619. Removed and replaced 24 inch Valve at PEPS.

620. Removed, Overhauled and Replaced 4 PEPS pumps/motors.

**Tertiary Treatment Maintenance Activities:**

621. Repaired WWWPS Bar Screen.

622. Repaired Surge Pond Slide Gates.

623. Removed and Replaced DAFT 3 Skimmers.

**Solids Handling Maintenance Activities:**

624. Coordinated and completed 36,000 hour services on all remaining Andritz Centrifuges.

625. Repaired Ozone Generator 2 .

626. Replaced 2 Chemical Holding Tanks and repaired 1 Tank at Ozone Membranes.

627. Repaired Liquid Oxygen Tank Piping Leak.

628. Removed and Replaced 2 Hydraulic Cylinders Solids Turck unloading system.

629. Unplugged 4 Centrifuge DA vessels.

**Facilities Maintenance – HVAC, Electrical & Facilities Activities:**

630. Completed over HVAC 857 corrective maintenance work orders.

631. Completed over HVAC 530 preventive maintenance work orders.

632. Completed HVAC modifications to the training trailers.

633. Completed regular fire system checks at all locations.

634. Completed regular vector pest control services at all locations.

635. Supported the set up and tear down of multiple District events.

636. Managed multiple vendor contracts.

637. Monitored and cleaned bat situation and once they left, fortified the area to prevent bats from returning.

638. Fixed and repaired multiple areas regarding the irrigation system including moving valve boxes and lines.

639. Fixed various water leaks on roofs.

640. Completed elevator fire inspection.

641. Assisted with installing access points outdoors for network coverage.

642. Performed regular storm water inspection cleanup work.

643. Installed TV monitors for new electronic message boards.

644. Repaired tile in multiple buildings.

645. Removed panels and reconditioned the walls near the Lobby in the Admin Building.

646. Completed evaporative cooler annual services.

647. Completed ice machine annual services.

648. Serviced and maintain every hvac unit in our facility, including the cooling systems in the plc cabinets and MCC rooms.

649. Reviewed boiler and pressure vessels regulations with Travelers Insurance Representative and ensured permits are current.

650. Continued the Intern Program with the College of Southern Nevada (CSN) for HVAC students to contribute, gain practical experience, and compete for future District openings.

651. Replaced air conditioning units on training trailers.

652. Install multiple condenser fans, coils, and parts in the FWRC facility.
  653. Created 147 electrical purchase requests.
  654. Created 2077 electrical work orders.
  655. Installed new 60 KVA UPS at Solids.
  656. Installed two new 30KVA UPS at the Lab.
  657. Installed new Medium Voltage switch cabinet replacement at Load Center 2.
  658. Installed new Medium Voltage Switch Cabinet replacement at Load Center 4 in Laughlin.
  659. 4 Large Lift Stations Tested.
  660. Performed 20 Generator test runs.
  661. Addressed oil leak at Load Center 27.
  662. Repaired Switch Gear 4 A Main cabinet.
  663. Upgraded Audio/Video system at 106/107.
  664. Created New Lock Out / Tag Out sheets.
  665. Created New Operational Electrical Distribution sheet for Operations reference reflecting Construction changes.
  666. Participated in various design workshops related to the FWRC Plant Expansion.
  667. Captured and processed more than 1,500 infrared (IR) pictures of the electrical system.
  668. Replaced three 1800-watt UPS units (2 at Lab and 1 at Solids).
  669. Installed power and data to support 10 information screens in 6 District different facilities.
  670. Conducted electrical testing and maintenance at FWRC, all 3 Outlying Plants and large Lift Stations which included 39 load centers, 7 switch gear line-ups, 83 motor control centers.
  671. Installed Power and Data lines for Security Center remodel.
  672. Installed 750ft of conduit as well as power and data lines for RFID reader installation at Headworks.
  673. Installed new power and data duct banks for new Rochelle Gate Shack.
  674. Safely conducted over 120 switching operations of 12,470-volt equipment to support electrical testing, CIP projects and Sub Station maintenance.
  675. Replaced motor on Clarifier 9.
  676. Overhauled PEPS 12 motor.
  677. Successfully completed backflow preventer test for the Fire Equipment.
  678. Performed a remodel of Safety Security area.
  679. Performed a remodel control systems office area before OCC is moved back into.
  680. Added a room and cubicles to the Laboratory conference room area.
  681. Facilitated the repair of drain lines in Development Services.
  682. Major bathroom drain replacement in the Fleet locker room.
  683. Facilitated the replacement of all south facing windows in the Lab.
  684. Replaced the roofs on south A-Basin Phase one blower and electrical buildings.
  685. Performed roof patching at Design Engineering.
  686. Performed paint repairs at multiple buildings.
  687. Renovated Admin reception area in support building.
  688. Setup and teardown multiple District functions and meetings in 106/107.
  689. Ensure all ADA equipment is compliant and functional.
- LIFT Stations Mechanical Maintenance Service:**
690. Provided SCADA-based rapid alarm response and remediation services at LV valley area lift stations around the clock, seven days a week.
  691. Conducted daily planned and reactive maintenance activities at the Las Vegas area lift stations to ensure the continuous operation necessary for the conveyance of raw sewage into the collection system. These critical tasks included:

- a. Immediate response to urgent alarms by the lift stations team and standby crews during after-hours.
  - b. Scheduled preventive and predictive maintenance services at each lift station. - Measurement of performance and data collection to monitor wear and plan for the replacement of essential equipment.
692. Coordinated with Collection System Jet-rod teams to remove grease, rags, and grit debris from lift station wet wells 2-4 times weekly.
693. Replaced the leaking input/output shaft seals on two gear drives, which position the vital 3-ton bridge crane above the Whitney pump station dry well.
694. Executed a complete teardown, inspection, and overhaul of two 250 HP pumps at the Whitney lift station.
695. Conducted a long-term assessment of the twenty-year-old dry well bridge crane at the Whitney pump station, leading to recommendations for inclusion in ongoing CIP work at the site. A change order was created to expand the contractor's work scope to include replacements and upgrades aimed at extending the assets' service life.
696. Installed two additional Vaughan chopper pumps at the Whitney pump station, fulfilling the original objective of replacing all four original pumps. This initiative has proven to be highly successful, eliminating downtime due to plugging, pump seal failures, and motor bearing and winding failures at the site.
697. Repaired a failed knife gate valve with a broken yoke. A fabricated in-place replacement averted the immediate need for an emergency bypass, allowing for more strategic long-term planning of the rehabilitation and upgrades intended for this lift station.
698. The team utilized SCADA operational trends and data from the North Point lift station to pinpoint the excessive frequency of pump cleaning. They replaced and recalibrated the damaged components of the pump cutter, which had been hindering the pump's ability to process baby wipes and heavily woven toilet paper products.
699. Following the diagnosis of reduced output capacity at the Metro I pump station through operational telemetry, the team replaced a severely worn and damaged pump at the location and refurbished the old unit to serve as a ready-to-use spare.

#### **Development Services – the most consistent development review team in town:**

700. Met the 3-2-1 Development Plan Review goal for 500 consecutive weeks. Major Milestone and Accomplishment! This means a civil plan review turnaround time of three (3) weeks for a 1<sup>st</sup> submittal, two (2) weeks for subsequent submittals and one (1) week for final (mylar) submittals.
701. Implemented several work process improvements to expedite the plan review process;
- a. Continued updates of the Plan Review Checklist. This list is to aid plan checkers with their review and has increased consistency between staff in reviewing plans.
  - b. The creation and revision of twenty distinct standard operating procedures (SOP) were performed this Calendar Year. This has aided training efforts as it relates to staff turnover as well as helping to prevent siloing of job duties.
  - c. Plan submittal quality metrics showed that 70% (280) of 398 civil plans (1<sup>st</sup> submittals) that were approved in 2024 required more than 3 reviews. It also showed that 55% of the excessive submittals were a result of the following 2 issues:
    - 1. Engineer of Record (EOR) not addressing comments from the previous plan submittal
    - 2. The plans were submitted with incomplete or inaccurate assets.
702. Inspection Staff continues to migrate legacy projects to the PIPES database by field verifying that the projects were constructed. If the projects were not constructed, these legacy projects are deleted.

703. Development Work completed:
- a. Total Civil Improvement Plans Reviewed: 1,681
  - b. Pipeline Accepted: 110,000 linear feet
  - c. Manholes Accepted: 784
  - d. Point of Connection (POC) Requests Processed: 677
  - e. Sewer Location Requests Processed: 892
  - f. Zoning Responses Processed: 1,379
  - g. Interlocal Agreements Processed: 38
  - h. Development Inspections Performed: 23,827
  - i. Job Starts: 348
  - j. Bond Release Projects: 401
  - k. Certificates of Occupancy Released: 4,854
  - l. Valuation of Donated Assets: \$52.98 million
704. Implemented the following Approved Materials List (AML) approved by the Committee:
- a. Ten (10) new products were submitted for review in which three (3) were accepted, five (5) were rejected, and two (2) are still pending under review.
  - b. Continue to publish updated AML to District’s website and several subsequent amendments.
705. Improved the records management flowchart process to better document the workflow and coordination between Development Services, Engineering Design, Construction Management, and Geographic Information Systems (GIS) for the indexing of files into Digital Paper and GIS.
706. Published additional content on the website to aid customers with preparing and submitting plans, scheduling inspections and other associated work processes. These improvements include:
- a. Updates to the PIPES and PIPES Portal applications to better assist with review of assets.
  - b. Department of Aviation (DOA) Land Auction Maps depicting the Point of Connections (POC) for sewer connections.

**Engineering Design Services – Very Large Program:**

707. Managed a \$1.1 Billion 5-Year (FY 25 – FY29) Capital Improvement Plan (CIP), and a \$1.8 Billion 15-Year CIP Program.
708. For Fiscal Year 24/25 the CIP budget was \$351 million and the actual accomplishments were \$349 million, which is a difference of less than 1%.
709. For Fiscal Year 25/26 the CIP budget is \$264,666,200.
710. The construction value of projects that are currently in the bid phase totals \$57 million and the construction value of projects that were awarded totals \$26 million. The value of design services agreements that were issued a Notice to Proceed totals \$8 million.
711. Published the Ivanpah Valley Wastewater Master Plan under Project 22101.
712. Advertised 2026-2027 statement of qualifications (SOQ), evaluated applications, and prepared SOQ list for 9 categories. Expected to be presented to the Board for approval on November 18, 2025.
713. Converted 95 residential Septic System properties totaling \$5,442,276 to the CCWRD Collection System to responsibly sustain the water care cycle as part of our Septic System Conversion Pilot Program under Federal Grants funds from Clark County’s ARPA.
714. Converted a total of 196 Septic System properties under the duration of this program.
715. Performed over 500 point-of-connection (POC) requests including creation of maps for Bureau of Land Management and Department of Aviation land auctions.

716. Issued notice to proceed for design services on Project 22102 – Collection System Rehabilitation.
717. Issued notice to proceed for design services on Project 25101 – Collection System Rehabilitation Package 2.
718. Issued notice to proceed for design services on 22001 FWRC and Lift Station Cathodic Protection and FWRC Centrifuge Tanks.
719. Advertised for bids for Project 20102 – Laughlin Lift Station Force Main Rehabilitation; estimated construction cost at \$19.2 million.
720. Advertised for bids Project 21003 FWRC Membrane Fittings and Secondaries Blower 1-8 Replacement. Estimated construction cost at \$38.3 million.
721. Issued notice to proceed for construction services to dewater and clean the Crosstown Interceptor to assess the condition of the facility on project 20103 – Crosstown Interceptor Rehabilitation Harmon Ave. to FRWC Headworks.
722. Issued notice to proceed for construction services for 19011 FWRC Daft 5.
723. Issued notice to proceed for construction services for 20003 FWRC Centrate and Acid Waste Pipelines
724. Investigated existing potable water system at the FWRC in close coordination with the Las Vegas Valley Water District (LVVWD). Design efforts underway for improvements under Clark County Public Works Hollywood Boulevard Extension project to enhance system reliability and potentially allow for the decommissioning of the aging elevated water tower located on the east campus.
725. Installed Hydrant Pressure Recorders on the potable water system at FWRC to diagnose and improve water distribution system operations.
726. Analyzed the A's Stadium development for collections system adequacy and potential enhancements.
727. Analyzed the Blue Diamond Hills development for collections system adequacy and potential enhancements.
728. Continued to measure collection system flows by leveraging a vendor sourced flowmeter network consisting of 100 flow meters (89 are area velocity meters and 11 are depth-only meters) throughout the collection system. Work continues in assessing inflow and infiltration through sourcing rainfall data from the Clark County Flood Control District sensor network.
729. Work is currently underway establishing a comprehensive Septic System Conversion Masterplan.
730. Corrected inaccuracies in the septic system tracking layer and created a new Clark County Septic System Layer that now tracks parcels on septic waivers, septic parcels adjacent to gravity mains, and parcels converted off septic.
731. Investigated existing potable water system at the FWRC in close coordination with the Las Vegas Valley Water District (LVVWD). Design efforts underway for improvements under Clark County Public Works Hollywood Boulevard Extension project to enhance system reliability and potentially allow for the decommissioning of the aging elevated water tower located on the east campus.
732. Installed Hydrant Pressure Recorders on the potable water system at FWRC to diagnose and improve water distribution system operations.
733. Established a comprehensive Septic System Conversion Masterplan.
734. Processed 290 payment requests for Professional Design Services in the amount of \$8.95 million.

### Construction Management (CM) Services – Huge Undertaking:

735. Managed and inspected the construction of nine (9) presently active CIP projects totaling \$681.8 million.
  - a. 19005 FWRC Preliminary and Primary Treatment Improvements.
  - b. 19007 FWRC Secondary Treatment Aeration Basins and Clarifiers.
  - c. 19011 FWRC DAFT 5.
  - d. 19100 Whitney Lift Station Rehabilitation.
  - e. 19101 Lincoln Lift Station Rehabilitation.
  - f. 19102 FWRC Primary Sludge Thickening Improvements.
  - g. 20001 FWRC Operational Control Center Facilities.
  - h. 20003 FWRC Centrate and Acid Waste Pipelines.
  - i. 20104 Collection System Rehabilitation.
736. Oversaw the management of \$76.3 million in task order contracts for existing and new District infrastructure.
  - a. 21103 Collection System Construction Services FY22-23.
  - b. 21500 Rapid Response Construction Services.
  - c. 23102 Collection System Construction Services 2025.
  - d. 23502 Rapid Response Construction Services 2025.
737. Managed sewer construction on interlocal agreement (ILA) projects with local agencies. These collaborative efforts save on duplicative roadway restorations and reduced traffic impacts to the public:
  - a. I-15 Tropicana Design Build Project (NDOT).
  - b. Jones Boulevard between Blue Diamond Road and Windmill Lane (CCPW).
  - c. Jones Boulevard between the Clark County 215 Beltway and Tropicana Avenue (CCPW).
738. Inspected 194,000 contractor manhours on CIP construction projects. Over 1,100 hours consisted of contractor-requested and contractor-reimbursed overtime inspections to reconcile late and maintain projects' contractual construction schedules.
739. Responded to, supported, and led efforts to assess and address District's needs in urgent situations. Examples include, but were not limited to:
  - a. 14" HDPE leak repair on Chemical Wash Waste (CWW) at East Campus
  - b. 30" HDPE leak repair on Waste Wash Water (WWW) at West Campus.
  - c. Radio tower repair at Moapa Valley Treatment Facility.
  - d. Replacement of leaking 24" 90-degree fitting at Whitney Lift Station.
740. Coordinated with the Project Controls service group to provide monthly and annual cost and schedule projections for active and upcoming construction projects. The project management team's cost projections (Design and Construction) was within 0.5% of the actual dollars spent.
  - a. Processed 214 payment requests for Construction in the amount of \$281.71 Million.
  - b. Processed 119 payment estimates for Engineering Services during Construction \$4,106,320.
741. Provided engineering, project management, and inspection services on operations and maintenance work requested from the Operations, Maintenance, and Collection System service groups totaling \$585,000.
742. Maintained the day-to-day construction management responsibilities and addressed the unexpected field issues frequently arising on construction projects even with the group's continual engineer and inspector employee turnover.

743. Completed the in-house design of the first cradle-to-grave project management concept on Project 21101 Tropicana Wash Harry Reid International Airport Manhole Rehabilitation. Construction is anticipated to begin Quarter 1 2026.
744. Completed the conversion of reuse water supply to Sunrise Golf Course. The District has supplied reuse water to the golf course, but they are now being served reuse water by City of Las Vegas.
745. Continued to offer support, provide feedback, and complete constructability reviews of the Engineering Design team to provide better quality Contract Drawings and Specifications whenever possible.
746. Closed 5 construction, 4 engineering services, and 3 professional services purchase orders.
747. Worked with Accounting during the annual Financial Audit. Provided verification of active and out-of-service assets, answered questions from the external auditors, and supplied the requested support documentation.
748. Worked with Records Management to maintain and appropriately archive electronic and hard copy construction documents per the approved inventory file plan.
749. Worked with Procurement and Legal to respond to fourteen (10) public records requests for construction documents, certified payroll reports, labor reports, and inspector daily reports on prevailing wage projects.
750. Implemented improvements to existing work processes by modifying and expanding the District's CIP Contract Documents administrative and technical specification templates. Eleven (11) specifications were updated.
751. Achieved required and/or elected certifications or licenses for Construction Management's current roles.
  - a. Inspections staff attended training and continuing education opportunities to obtain or maintain their job certifications but to also stay current with changes to standards and regulations, introduction developing technologies and construction methods, and refresh skillset.
  - b. Engineering staff pursued relevant certifications and licenses for professional and career advancement. Several Assistant Engineers and Associate Engineers stay committed to prepare for the Engineer-in-Training (EIT) and Professional Engineer (P.E.) examinations. One (1) Associated Engineer obtained his P.E. license.

#### **GIS Services – Seeing your Data:**

752. GIS collection system additions included over 25 miles of new gravity main and more than 660 manholes. These additions stem from over 150 completed developer projects, 2 capital improvement projects, and various on-call infrastructure improvement projects.
753. Recorded over 75 easements and processed more than 50 interlocal agreements.
754. Made numerous GIS updates to plant utilities, adding over 250 system components, and incorporated multiple lateral connections.
755. Integrated Customer Care and Billing (CC&B) data into GIS.
756. Corrected inaccuracies in the septic system tracking layer and created a new Clark County Septic System Layer that now tracks parcels on septic waivers, septic parcels adjacent to gravity mains, and parcels converted off septic.
757. Supporting the Southern Nevada Health District Septic System maintain their Active Sepsic System data coverage.

#### **Global Positioning Survey Services – Precision on the Fly:**

758. Prepared a topographic model of approximately 120 acres for the FWRC from survey-grade drone flights. Integrated drone flights into GIS Online, providing users with a 3D view of the FWRC. In addition, completed 3D laser scanning of key FWRC buildings and structures spanning over 900 laser scans.

- 759. Completed the full survey of Section 10 for potential main line extensions and septic conversion under a survey on-call contract.
- 760. Upgraded the wireless network infrastructure related to the GPS base station network in addition to adding a base station at the Moapa Valley Treatment Facility.

#### **Sewershed Flow Modelling – Wastewater Flows from Everywhere:**

- 761. Created a technical memorandum estimating wastewater flow rates into the FWRC to the year 2050 using population estimates and landuse designations.
- 762. Selected SIMBA# to be a basis for an integrated digital twin incorporating wastewater collection systems, treatment plant hydraulics, process control, SCADA integration, and energy Sankey diagrams. Worked with a consultant to create three models of the FWRC Facility related to open channel hydraulics, pressure hydraulics of PEPS, and process control.
- 763. Integrated 3D Building Information Models (BIM) of the three major FWRC plant expansion projects (19005, 19007, and 19102) into GIS Online.

#### **Engineering Project Controls & Program Management:**

- 764. Maintained 15-Year Capital Improvement Plan, the plan encompasses plant projects, pipe projects, small systems, O&M projects, Administration projects, Professional Services, Oversizing and other projects. The plan includes approximately 100 projects with a total projected value of \$1.8 billion.
- 765. Developed the monthly Schedule Performance Index on all the active projects, by comparing the earned value to the planned progress.
- 766. Extracted the ADS (Flow Meter) data from the cloud supporting the data locally in our schema that will aid Modeling and GIS teams to integrate their applications with Flow Meter data.

#### **Information Technology – Solutions providing significant efficiencies:**

- 767. Completed over 6,005 Information Technology Solutions (ITS) Service unplanned Incidents.
- 768. Completed 2,657 planned Service Requests.
- 769. Completed 25 technology solution projects delivering quality results to our stakeholders.
- 770. Applied best practices and methodologies of project management, such as agile, waterfall, and hybrid, to plan, execute, monitor, and control the project lifecycle. Following are the few key projects:
  - a. Water Quality Database Replacement.
  - b. Service Now Upgrade (Zuruich).
  - c. Modular Data Center.
  - d. Modified Patching Cadence and Network Segmentation for Laboratory Instrument PCs.
  - e. Budget App Updates - FY26-27.
  - f. Site-to-Site VPN connection for SCADA Network at remote sites.
  - g. Shimadzu LabSolutions Client/Server Architecture.
  - h. Electronic Visitor Log.
  - i. MFA for External Applications.
  - j. ProWatch Upgrade from V5 to V6.5.2.
  - k. Informacast Desktop Notifier Implementation.
  - l. Data Warehouse Implementations Phase 2.
  - m. Mobile App for Billing Inspections – Enhancements.
  - n. ServiceNow Knowledge Management Implementation.
  - o. Cisco VoIP System Upgrade.
  - p. Bluebeam Upgrade to Revu21.
  - q. Re-architect Linux server environment.
  - r. Automation of Employee provisioning and de-provisioning.

- s. Upgrade Infoblox hardware to Gen6.
  - t. eDocs Upgrade.
  - u. MCL Version 2 Upgrade.
  - v. Network Switch Upgrade.
  - w. Cityworks 23.4 Upgrade.
  - x. Cisco E911 VoIP Redesign.
  - y. New Asset Intake for PIPES Application.
771. Implemented ServiceNow Improvements - Knowledge Base, Customer surveys, Email Notifications, Delivered Onboarding and Offboarding Automation.
  772. Restructured ITSM/help desk and lab IT support functions for greater efficiency and service consistency.
  773. Integrated InvoiceCloud with Oracle EBS, enabling self-service digital invoicing for (Development Services and Septage Haulers) customers and streamlining accounts receivable processes.
  774. Expanded the Data Warehouse: Completed Phase 2 and began Phase 3.
  775. Implemented the Office 365 Conference Room (106/107) Digital Signage Integration
  776. Completed a Digital Twin Proof of Value for Admin building datacenter
  777. Conducted a RFID Solution and Process automation for Septage Hauler tracking and invoicing.
  778. Streamlined PCARD Process
  779. Implemented the Microsoft Active Directory/Domain migration from SANDIST to CLEANWATERTEAM domain to modernize identity management and improve security.
  780. Implemented a Modular Data Center offsite backup.
  781. Enhanced the system reliability of the Network Architecture.
  782. Automated license alignment through LDAP Sync, improving compliance and controlling software costs.
  783. Strengthened process governance through PAM360 integration for certificate tracking and risk mitigation.
  784. Optimized the Licensing and compliance of the Oracle and ServiceNow software.
  785. Streamlined Records Management business process by enhancing SharePoint Online with document retention policies for standardized document review and approval.
  786. Developed the PIPES - AR Invoicing Support for the District's service fee change effective FY25-26.
  787. Upgraded Kronos to UKG Cloud Pro.
  788. Modernized the email delivery systems by migrating to SendGrid in preparation for SMTP deprecation and low-security protocols.
  789. Introduced GitHub to centralize source code management and support automation workflows.
  790. Transitioned applications to .NET Core, strengthening technology governance, future-proofing the stack, and mitigating platform obsolescence risk.
  791. Modernized legacy Access databases by migrating critical data and workflows to enterprise-grade systems.
  792. Advanced Test Automation Proof of Value into a full implementation project targeting core enterprise platforms, Oracle EBS, CC&B, and Maximo, to improve testing efficiency, consistency, and delivery speed.
  793. Automated ITS notifications for outages and maintenance, increasing transparency.
  794. Developed real-time dashboards and SLA reporting to monitor queue health and reduce aging tickets.
  795. Implemented Knowledge Management and automated onboarding/offboarding workflows, increasing efficiency and first-contact resolution.



- 796. Developed PowerShell deployment scripts and ServiceNow tasking to reduce manual configuration and improve provisioning accuracy.
- 797. Cleaned-up the Wiring closets to improve organization and troubleshooting
- 798. Progressed shift to Intune-managed devices and Autopilot provisioning, reducing imaging time and standardizing device setup.
- 799. Converted legacy GPOs to Intune policy baselines, simplifying management and strengthening security.
- 800. Redesigned and upgraded conference room technology to improve hybrid meeting reliability.
- 801. Consolidated Help Desk and Systems Technician roles, improving service consistency and reducing fragmentation.
- 802. Improved phone coverage reliability and reduced turnover, maintaining operational knowledge and customer satisfaction.
- 803. Instituted recurring backlog reviews and owner accountability checkpoints, improving SLA compliance.
- 804. Completed 330+ system change requests improving responsiveness and collaboration with business partners.
- 805. Supported 16+ upgrades and enhancements for various COTS solutions.
- 806. Implemented LDAP Sync Process for TeamNET (IGLOO) and began migration from SMTP to SendGrid for improved security and reliability.
- 807. Decommissioned legacy application (MARS and its associated components) and consolidated support functions for greater efficiency.
- 808. Upgraded the laboratory network switch for improved connectivity.
- 809. Deployed new ZT231 and TSC printers to enhance printing capabilities.
- 810. Installed the BOD-05 camera and audio system for better monitoring and communication.
- 811. Upgraded the Prepfast system for optimal performance.
- 812. Standardized EISC installations and upgraded Flowview software to version 2.2.
- 813. Migrated SCADA connections at Moapa and Indian Springs to high-speed site-to-site VPN.
- 814. Upgraded hardware for internet and internal firewalls.
- 815. Migrated all consultant VPN connections to FortiGate with Forti Token MFA.
- 816. Enhanced monthly security status reporting.
- 817. Implemented MFA via Twilio for public-facing applications.
- 818. Renewed SSL certificates and API keys to ensure solution availability.
- 819. Continued migration to Secure LDAP (LDAPS) for .NET applications.
- 820. Addressed TOMCAT and LOG4J vulnerabilities as reported by ITS Security Administration.

**Financial & Accounting Services – Serious Programs require Strong Finances:**

- 821. Total Invested Funds (End of Year) = \$ 602,615,023
- 822. Total Reserves/Designated Funds = \$ 209,002,419
- 823. Current Obligations (End of Year) = \$ 381,680,845
- 824. Outstanding Receivables (End of Year) = \$ 94,131,579
- 825. Total Available Funds (End of Year) = \$ 106,063,338
- 826. Outstanding Bonds Principal Payable = \$ 640,707,587
- 827. Retirement PERS Liability = \$ 74,312,242
- 828. Employee Health Care (OPEB) Liability = \$ 32,913,003
- 829. 5-Year CIP Program (FY2025-2029) = \$ 864,257,662
- 830. FY 25/26 CIP/CEP/CDEV \$ 264,666,200
- 831. Annual Operating Plan = \$ 127,608,299
- 832. Managed the CIP spend of the \$340 million bond proceeds over a period of 18 months complying with IRS guidelines for timely distribution and avoiding arbitrage.

833. Streamlined the monthly cash flow forecast to present a more concise product that is easier to read.
834. Completed researching warehouse inventory scanning functionality in coordination with ITS and the Maximo Administrator. Upon completion, the warehouse will streamline several daily operational tasks including the issuance of supplies, parts, and cycle counting.
835. Worked with vendors to guide them through setting up their iSupplier profiles to include ACH payments. This has greatly increased the efficiency of processing weekly invoices and providing expedited payment to the vendors. ACH payments increase efficiency and reduce risk of AP check fraud.
836. Expanded our “positive pay” upload file to Wells Fargo. This file is electronically transferred to the bank after each check run, (AP, payroll, and workers’ compensation), and includes payee, check amount, and check number. Each check presented to the bank is electronically verified against the positive pay file to eliminate check fraud via check altering and manipulation.
837. Enhanced our ability and agility to provide the outside auditors with requested accounting schedules, support documentation, and competent explanations in a timely and complete manner. This has been accomplished by effectively planning, coordinating, and executing the needs of the auditors. The result has been the savings of tens of thousands of dollars in audit fees compared to budget.
838. Improved the Procurement planning tools, guidelines, forms, and checklists, which can be accessed by end-users via the Procurement Solutions intranet web page. These beneficial educational/training materials provide District staff with helpful information and improves overall contract management functionality.
839. Improved the Procurement detailed flow charts with corresponding action steps for all parties involved to aid District staff in planning for procurement-related requirements.
840. Increased Oracle A/R invoicing with the implementation of Development Services and Pretreatment fees as included in the July 1, 2025 Service Rules.
841. Completed the OSHA-required replacement of the warehouse shelving units. We had the opportunity to redesign the warehouse layout to become more efficient.
842. Laboratory inventory supplies were relocated and are now warehoused at the Lab building. This allowed for more efficient warehouse use of space and increased customer service.
843. Leveraged the Rossum AI invoice recognition platform to process invoices in a more efficient manner. This has allowed the processing of check and ACH payments to be streamlined allowing for a more qualitative review and an increase in the efficiency of our weekly AP processing.
844. Analyzed all balance sheet accounts to present well documented and easily audited financial statements.
845. Maintained a monthly close cycle for our books which helps to analyze results in a timelier manner.
846. Used the Vena Solutions, a cloud based, excel driven solution for budgeting, accounting period close management, financial reporting, and financial analysis.
847. Conducted monthly Financial Reporting with analysis.
848. Adhered to local, state, federal, GAAP, GASB, and GFOA financial reporting requirements As our industry becomes more regulated and transparent it is imperative that we remain actively aware of current and future regulatory reporting requirements.
849. Advanced the budget app functionality to support the annual budget process and aid in the monthly budget to actual review and analysis.
850. Enhanced the Power BI Dashboard allowing for timelier key metrics used for financial reporting.
851. Accounted the ARPA Septic System Conversion Pilot Program through our audited financial accounting processes.



- 852. Inflation continues to impact every facet of District operations. The Procurement team has been able to achieve cost savings during the past fiscal year.
- 853. Utilized the NGEM (*Nevada Government e-Marketplace*). This is an electronic bidding system that the District Procurement group has partnered with other local and state agencies to utilize for contractual requirements. This allows for wider distribution to achieve higher competition for District bids. An additional benefit is improved efficiency and productivity for the Procurement staff.
- 854. Managed the District’s supply-chain which is critical to District operations, ensuring secondary and tertiary supply options for critical commodities such as chemicals.
- 855. Continued to enhance our strategic contracting through cooperative agreements leveraging combined local and national government agency purchasing volumes to drive down costs.
- 856. Continued our active involvement in regional groups such as the RBDAC (*Regional Business Development Advisory Council*) & NPPSC (*Nevada Public Purchasing Study Commission*) driving consistency in regional procurement practices.
- 857. Procurement metric data (CY 2025)
  - a. Cost Savings: \$1,769,179.50
  - b. Cost Purchase Orders Issued: 5274
  - c. Value of PO’s issued: \$102,305,891.49
  - d. Total Number of Active Contracts: 207
  - e. Total Value of Active Contracts: \$1,494,632,397.94
  - f. Total Number of Active Contracts w/MBE/WBE/SBE: 38
  - g. Total Value of Active Contracts w/MBE/WBE/SBE: \$49,162,469.05
- 858. Managed reports within Maximo to ensure efficient warehouse ordering of parts and supplies.
- 859. Implemented auto reordering in all storerooms within the Central Warehouse.

**Grants Management – State and Federal Programs:**

- 860. Managed 20 grant requests- in application (10), pre-award (6) and award (4) phase.
- 861. Completed seven new grant applications in calendar year 2025
- 862. Successfully submitted a technical correction and cost share waiver request for CCWRD FY 2023 Community Grant with the EPA.
- 863. Expended \$4,187,568 over three active grant awards
- 864. Secured approximately \$25,185,474 in pre-award or awarded grant funding.
- 865. Collaborated with SNWA on the \$5M CIP Grant for additional septic-to-sewer conversions.
- 866. Presented three Urban Area Security Initiative (UASI) grant applications to the State. Two of the projects were selected for funding.
- 867. Presented one State and Local Cybersecurity Grant Program (SLCGP) application to the state. Our project was ranked #1 and we were selected for funding.
- 868. Closed out a FY 2024 UASI Grant for \$25,713.

**Records Management Services – Excellent Progress:**

- 869. Advanced the document retention/destruction program.
- 870. Completed “Phase I” of the Records Management implementation.
- 871. Commenced “Phase 2” of the implementation consisting of migration of all electronic records from shared drive environment to the records repository.
- 872. Reduced the off-site storage costs through the strategic return of records from Assured Document Destruction to District custody, resulting in the secure destruction of approximately 600 boxes and a 15 percent reduction in storage expenditures.
- 873. Launched periodic and routine Records Liaison Meetings to enhance communication, consistency, and accountability across all departments, providing a structured platform for

- sharing policy updates, clarifying procedures, and reinforcing compliance with records retention and disposition requirements.
- 874. Conducted I-Drive Clean-Up presentations for all District service groups. As part of this ongoing effort, I-Drive content is systematically tracked and analyzed for Redundant, Obsolete, or Trivial (ROT) records. To date, 40% of the planned group clean-ups have been completed, resulting in the identification of records for deletion or to retain.
  - 875. Implemented a standardized Exemption Form to identify all electronic applications used by District service centers to store records outside of SharePoint. The forms documented system names, storage purposes, and responsible service centers. The RM team collaborated with service center representatives to ensure accuracy and consistency, and all Exemption Forms were reviewed, signed, and approved by their respective service center managers and the RM team. The finalized forms were compiled into a centralized inventory, providing a clear overview of recordkeeping applications beyond SharePoint.
  - 876. Updated our Vital Records Inventory as part of the Continuity of Operations Plan for Emergency Management. A detailed vital record review was conducted to provide the record type, description, location, owners, medium, and relevant dates of all records identified as Vital in the event of an emergency or natural disaster. The final document was presented to the Emergency Management Office for their yearly update.
  - 877. Created a records management video specifically for new employees to the District. This ten (10) minute video introduces new employees to the policies, established laws, responsibilities, expectations, and importance of protecting District records. The video has been approved for publishing and will be provided via NEOGOV as mandatory training for new employees.
  - 878. Completed box reviews/assessments of over 125 boxes of records. Detailed analyses were conducted by the RM Team to determine retention/disposition, record or non-record, and if the records should be archived or destroyed. Once reviews were completed by RM, Records Liaisons and subject matter experts from each group met to review the results. One third of the boxes were archived for on-site storage, (meaning consignment forms were completed and processed in Maximo and SharePoint), and the remaining records were approved for destruction.
  - 879. Promoted the Records Management foundational understanding of record vs non-record knowledge/understanding by physically placing hard copy posters in every working area on the Plant.
  - 880. Continued management of destruction bins leased from the Assured Document Destruction.
  - 881. Ensured the document destruction processes are monitored and accomplished.
  - 882. Updated the SharePoint Records Management Electronic Application where hub-sites required updating and documentation required migration. All updates have been implemented to ensure compliance with records management policy.
- Government Affairs and External Communications:**
- 883. Participated in Clark County Legislative Training to facilitate legislation contact and liaison opportunities with Clark County government affairs team
  - 884. Worked with D.C. advocacy group to gain inclusion into SNSA planning discussions with CC Department of Aviation and others.
  - 885. Worked to assist Clark County Commissioners, state and federal legislators on key constituent issues regarding SSO's, construction, inspections, odor, billing, noise and other complaints.
  - 886. Provided tours for members of our CCWRD Board of Trustees offices as well as for other key stakeholders.
  - 887. Worked with BOT/Commissioners Offices and staff to solve rural issues in Laughlin, Indian Springs, Moapa and Searchlight.

888. Solved issues and problems for members of the public, contractors, engineers, and others who inquired into our public email addresses and make public record requests.
889. Worked with Plant DGM to provide a comprehensive communications outreach effort for Septage Haulers on new fees including setting up meetings, composing letters and emails, etc.
890. Worked with National Public Radio (NPR), Wall Street Journal, and news agencies in Utah related CCWRD efforts to treat water and provide critical water resources for Southern Nevada.
891. Conducted interviews with local reporters regarding Wastewater Surveillance and CCWRD efforts to help assist public health officials with crucial surveillance data.
892. Conducted “Disneyland of Poop” interviews with reporters from LVRJ regarding CCWRD operations and essential nature of CCWRD operations for life in Las Vegas.
893. Worked with the New York Times on Public Information Requests related to The Boring Company and served as the point of contact for coordinating documents and data and verbal requests related to that information.
894. Worked with SNWA on television piece regarding CCWRD wastewater treatment process and essential return flow credits.
895. Participated in SNWA podcast on CCWRD operations and Pain in the Drain, No Wipes in the Pipes, Don’t Rush to Flush and Toilets are not Trashcans community campaigns.
896. Worked with Collections Department on a campaign to inform restaurants, resorts, and others about not unsealing or opening manhole covers.

#### **Federal Advocacy:**

897. Maintained communication with our Federal Lobbyist to regularly monitor key federal priorities and initiatives and to advocate for CCWRD priorities in Washington D.C.
898. Conducted bi-weekly meetings with D.C. staff to get updates, provide direction and monitor CCWRD specific issues with Congressional delegation.
899. Worked with staff to develop the District’s three appropriation requests and advocated on their behalf as they successfully passed the House of Representatives.
900. Attended and lobbied congressional staff and Members during the Congressional Fly-In.
901. Positioned and timed communications on key issues important to CCWRD and the wastewater industry including crafting letters, emails, and making phone calls to Members of Congress and their staff on issues such as WIPPES legislation, PFAS and other key water care cycle issues.
902. Developed key, leave-behind informational materials highlighting CCWRD operations and priorities for Congressional delegation and staff, in support of legislative priorities.
903. Attended Congresswoman Susie Lee’s Clean Water Summit and collaborated with local government and congressional staff as well as other stakeholders from the water and wastewater industries.

#### **State Advocacy:**

904. Maintained communication with our State Lobbyist group for the Legislation Session.
905. Created a Bill Draft Request (BDR) Priority List after sorting and analyzing hundreds of bill draft requests (BDR’s).
906. Read, analyzed, and sorted over 1200 pieces of legislation to prioritize 86 bills of importance to water reclamation or other industry impacting legislation.
907. Proactively advocated for bills and maintained frequent communications with CCWRD Staff, Lobbying Team, Legislators, and other stakeholders
908. Maintained opportunities for effective support of key GID / wastewater legislation.
909. Served as liaisons and responded to and processed hundreds of requests from Clark County Government Affairs for CCWRD’s stance on bills.
910. Worked with our state Lobbyist to help coordinate meetings with key leadership and committee members during the 2025 Legislation to advocate for clean water initiatives.

911. Set up tours with members of the legislature and other key stakeholders to open channels of communication prior to legislative session.

#### **Project Communications:**

912. Distributed over 1,000 project communications documents (blanket notifications and neighborhood notices) for Project 20104.
913. Distributed numerous traffic alerts to Commissioner's offices and local media informing them of upcoming sewer projects in highly trafficked areas.
914. Distributed communications for Project 19100 Whitney Lift Station Rehabilitation to impacted neighborhoods.
915. Created an FAQ letter that was sent to concerned homeowners impacted by Project 19100.
916. Drafted and distributed letters regarding paving of Stephanie St. to affected Clark County departments.
917. Coordinated with surrounding HOA's (Stallion Mountain) to inform them of upcoming work and impacts associated with the Lincoln Lift Station Rehabilitation.
918. Worked with Construction to create exhibits for Project 19100 that are posted monthly on the external CleanWaterTeam.com website.
919. Attended over 300+ weekly progress meetings for internal and external CCWRD sewer construction projects.
920. Assisted with numerous citizen inquiries, complaints and questions received by Strategic Services Office regarding sewer construction projects.
921. Worked with Clark County Commission offices to rectify questions and concerns regarding CCWRD Sewer Construction Projects.

#### **Internal Communications:**

922. Led the efforts for the Communication Monitors Initiative, that is now active campuswide at FWRC and LWRC with 11 monitors total.
923. Gathered liaisons from different departments at CCWRD to gain information, spotlights and news for our Communication Monitors.
924. Collaborate with service areas to conceptualize and create information displayed on communication monitors including employee spotlights, event recap information, HR/Benefits information, etc.
925. Conceptualized and distributed the first Internal Communications Survey to all CCWRD employees to gauge our current communications methods, as well as gain feedback on what content employees would like to see in the future. Over 150 employees participated in the survey.
926. Worked with Safety and Security to set up the utilization of the employee communication monitors during the InformaCast testings on campus.

#### **Public Outreach:**

927. Managed the CCWRD Vitalant Blood Drive in June.
928. Organized CCWRD's attendance at 2/21 Tyrone Thompson Elementary School Career Day, which included two CCWRD branded trucks and CCWRD branded materials that were distributed to students in kindergarten through third grade.
929. Organized and attended Mighty Motor Mania event in support of the Clark County Commission.
930. Successfully drafted, shot, edited and completed the first CCWRD Virtual Tour explaining plant processes and importance of water reclamation.
931. Successfully modified the CCWRD Virtual Tour for use with youth and students.
932. Negotiated marketing opportunities with Meadows Mall and created associated marketing materials/signage.

933. Negotiated New Marketing Agreement with Las Vegas Lights.
934. Created outreach materials for LV Lights including bathroom signage, pillar posters, marquee advertising and other materials.
935. Conducted public outreach, tabling event and halftime presentation at the LV Lights for CCWRD night.
936. Provided materials for 150 students to support back-to-school event for CC Commissioner McCurdy community outreach.
937. Purchased new LED outreach and informational signage. Created innovative content for monitors and rolled signage out at CCWRD night at LV Lights.
938. Renegotiated marketing agreement with the Las Vegas Golden Knights.
939. Renegotiated marketing agreement with the LV Raiders.
940. Renegotiated marketing agreement with the LV Aviators.
941. Developed marketing materials including print and digital marketing materials highlighting CCWRD campaigns including Toilets are Not Trashcans, Pain in the Drain, No Wipes in the Pipes and Just Can It campaigns.
942. Conducted an inventory of CCWRD outreach materials and streamlined the types of materials we handle and will carry moving forward.
943. Worked with a Clark County Commissioner to develop kid and family friendly outreach games for families- developed and produced the "Clean Water Team Matching Game."
944. Reviewed and helped develop multiple external presentations form Engineering, Operations and others
945. Created "CCWRD Quick Facts" for consistent data dissemination and messaging on plant tours and with visitors.
946. Began efforts to create outreach materials and presentations for local elementary, middle and high schools.
947. Met with facilities staff and SNWA and Springs Preserve representatives to begin efforts to create interactive exhibits at CCWRD utilizing video and other exhibits in the lobby and in first floor waiting areas
948. Conducted tours with Springs Preserve staff to explore public outreach efforts and gain insights on contractors and vendors to help develop interactive exhibits.
949. Maintained active wastewater related campaigns:
  - a. Don't be a Pain in the Drain
    - i. FOGG
    - ii. Wipes Clog Pipes
  - b. Don't Rush to Flush
950. Participated in the County's Touch-a-Truck event with the local community to educate people about what we do, why we do it, and how they can help by not being a "pain in the drain."

#### **Legal Services:**

951. Drafted, negotiated, and reviewed complex contracts for purchasing, construction, engineering, strategic services, and information technology services.
952. Minimized the District's legal exposure by negotiating directly with external counsel to secure dismissals and favorable settlements.
953. Provided legal counsel to executive management and leadership, helping to mitigate litigation risk and ensure compliance with statutory and regulatory requirements across District initiatives.
954. Led the development and refinement of internal policies to align with Nevada law and District Service Rules.

955. Strengthened infrastructure protection by implementing legal safeguards consistent with applicable regulations.
956. Conducted legal review of interlocal agreements with municipalities and partner agencies to ensure enforceability and alignment with District interests.
957. Ensured District compliance with EPA mandates related to the Pretreatment Program.
958. Delivered legal analysis and recommendations regarding the District's Enforcement Response Plan.
959. Drafted revisions to the Clark County Code to support and enhance District operations.
960. Provided legal guidance to staff on matters including public records, employment law, and administrative procedures.
961. Managed outside counsel in litigation involving claims against the District, ensuring strategic alignment and cost-effective representation.
962. Defended legal matters involving District employees named in litigation, coordinating defense strategy and internal communications.
963. Represented the District in employment disputes before the EEOC, including witness interviews and affidavit review.
964. Provided legal analysis for executive management to communicate ethics-related matters to the Board of Trustees.
965. Served as hearing designee and successfully concluded District show cause hearings, particularly in cases involving septic hauler violations.
966. Collected thousands of dollars in damages from non-compliant septic haulers through enforcement actions.
967. Revised CCWRD's legal arguments in Amicus Briefs regarding retroactive provisions in NRS 288.215(10), helping clarify the scope of factfinder authority.
968. Reviewed and analyzed federal court dockets and motion filings, providing timely legal insights to District teams on litigation impacting District funds.
969. Supported Plant Operations in communicating Service Rule changes to septic haulers, including rate increases; attended meetings, drafted presentation slides, and participated in hauler outreach.
970. Assisted HR with employment and labor matters, including employee discipline and policy interpretation.
971. Supported Safety and Security efforts by attending coordination meetings with Metro, NV Energy, prepared legal instruments to ensure compliance with BLM lease requirements; and drafted legal analysis on the Nevada Pregnant Workers' Fairness Act as applied to District employees.
972. Attended a two-day Labor Arbitration Institute conference, gaining deeper understanding of arbitral principles, refining advocacy skills, and applying strategic insights to District labor matters.
973. Direct and lead the Records Management Program development efforts.
974. Facilitated and represented emerging issues discussed with our Citizens Advisory Committee.
975. Managed all risk management activities, including claim resolution and insurance renewals.
976. Coordinated public records requests, subpoenas, and District responses.
977. Facilitated press release drafts for significant District events.
978. Facilitated resolution of private to private development connections in Southern Highlands.
979. Resolved disputes between two private entities over the use of a public sewer easement on private property.
980. Revised the GM delegated authority instrument.
981. Served as point of contact for cell tower site lease.

982. Advanced government affairs work with Nevada's federal delegation via attendance at annual water policy event.
  983. Facilitated the use of temporary capacity agreements for special events.
  984. Facilitated annual appraisal of all District property.
  985. Worked with purchasing to resolve questions from contractors on competitive bids.
  986. Served as the Step 2 Hearing Officer for Labor disputes.
  987. Drafted revised County Code serving the District's associated-customer interests.
  988. Assisted the GM in obtaining the cooperation of NV Energy for the treatment of cool down water recovery.
  989. Assisted the grants administrator on submission of grant applications and review of grant-related agreements.
  990. Resolution of Service Rule violations by The Boring Company.
  991. Resumed the interlocal agreement reconciliation project with City of Henderson.
  992. Issued the Insurance brokerage request for proposals to solicit a new 5 year contract for a broker.
  993. Resolution of reciprocal easement requirements for land-locked commercial development.
  994. Resolution of private easement for Laughlin Lift Station # 2 force main rehab project.
  995. Led negotiations with NV Energy in support of a project to return used reuse water to the District for return flow credits.
  996. Managed the oversight of legal review of proposed legislation for Nevada's bi-annual legislative session.
  997. Supported the routine comprehensive OSHA inspection.
  998. Facilitated the loaning of surplus laboratory instruments to institutions of higher education.
  999. Assisted safety and security in developing additional safeguards of District facilities.
  1000. Managed public records requests.
- Laughlin Water Resource Center:**
1001. Reclaimed 506 million gallons of wastewater at the LWRC and returned it to the Colorado River for return flow credits.
  1002. Received the 2024 NACWA Platinum Peak Performance 12 Award for 100% permit compliance for twelve consecutive years.
  1003. Achieved no permit violations for 2025 to date.
  1004. Completed solids handling optimization for efficient centrifuge operation.
  1005. Completed the Chronic Toxicity Study required by the NPDES Permit.
  1006. Completed the Mixing Zone Study required by the NPDES Permit.
  1007. Rotated secondary clarifiers and completed annual structural and mechanical inspection and maintenance.
  1008. Continued to optimize and perfect operation of the Alpha Laval centrifuges.
  1009. Conducted all Quarterly Samplings successfully.
  1010. Continued to optimize alum addition to the plant process to prevent plugging of Backwash Filters.
  1011. Passed an NDEP Inspection.
  1012. Continued with compiling a list of INSQL trends for operators to view daily.
  1013. Regularly held team group WWTPO study sessions to help operators successfully pass certification exams.
  1014. Process and disposed of 160 dry tons of biosolids.
- Laughlin Water Resource Center / Lift Stations Maintenance:**
1015. Maintained equipment to optimal efficiency through continued execution of the reliability maintenance program.

1016. Staff retained all required licenses and qualifications for 2025.
1017. Collaborated with Condition Based Maintenance (CBM) Team with access and entry for data collection.
1018. Maintained opacity certification and compliance.
1019. Assisted and completed all stormwater compliance recommendations.
1020. Maintained the first flush system for stormwater pollution control.
1021. Continued with integration of thermal imaging into regular preventive maintenance procedures.
1022. Completed more than 165 confined space entries safely.
1023. Partnered with Cashman Equipment on all plant generators to maintain proper operation of backup power.
1024. Completed manlift, hoist, and crane inspections.
1025. No reportable sanitary sewer overflows (SSOs) for 2025.
1026. Continued cost savings with oil filtration instead of oil replacement (Denitrification and EQ basin mixers 220 OIL), which previously occurred annually.
1027. Cleaned out the partial flume in headworks influent flow to correct readings, a permit required confined space.
1028. Replaced wash water and backwash pumps on the automatic backwash filters.
1029. Rebuilt plant wash water pump check valves.
1030. Replaced worn out signs on several buildings.
1031. Participated in Tri-State maintenance seminars.
1032. Installed new sump pumps in the Equalization Building basement.
1033. Replaced Equalization Basin Mixer 3 output shaft oil lip seal.
1034. Repaired a frozen butterfly valve in Aeration Basin 2.
1035. Replaced the Grit Teacup 4-inch drain valve actuators.
1036. Completed shop redesign, including installation of the milling machine and belt sander.
1037. Identified and corrected a damaged impeller bolt on Lift Station 2 Pump 3 to prevent catastrophic failure.
1038. Completed design and fabrication of OSHA required safety machine guarding.
1039. Maintained all the confined space entry and rescue certification for all team members, and all confined space equipment.
1040. Collaborated with the electrical team to complete annual electrical and arch flash testing and certification.
1041. Attended a precision alignment training to continue progression of our Condition-Based Maintenance program.
1042. Rebuilt the Vulcan trash compactor at the bar screen.
1043. Replaced the Denitrification Mixer 1 output shaft oil lip seal.
1044. Replaced motor bearings on Denitrification Mixer 7.
1045. Installed a recirculation line on the WAS discharge header and added a new sampling port.
1046. Replaced the obsolete Self-Contained Breathing Apparatus (SCBA) equipment.
1047. Assisted Environmental Health, Safety and Security with roof railing fall protection requirements by OSHA.
1048. Partnered with the CBM team to increase the longevity and reliability of the centrifuges.
1049. Assisted the electrical team with installation of Switch Gear 4.
1050. Continued the HVAC PM, HVAC filter changeout, and evaporative cooler PM programs.
1051. Continued the PRV/exhaust fans PM program.
1052. Continued the ice machine PM program.
1053. Continued PMs on overhead doors and roof inspections.

- 1054. Replaced the pillow bearing and float valve on evaporative cooler (EC)-111.
- 1055. Stopped the leak into analyzer basement.
- 1056. Completed replacement of evaporative cooler pads and floats valve EC-1112.
- 1057. Assisted with transformer replacement outside the switch gear building.
- 1058. Replaced the condenser fan motor HP-602.
- 1059. Replaced the bearings and belt on blower motor for HP-801.
- 1060. Completed the repair of solids roof drain.
- 1061. Completed belt replacement on EC-151.
- 1062. Assisted fleet with operation and maintenance of the generators.
- 1063. Continued with PMs on the clarifier torque prevention system.
- 1064. Assisted with electrical testing within the plant.
- 1065. Continued with the infrared testing program.
- 1066. Replaced all blown exterior lighting fixtures.
- 1067. Assisted the contractor with the electrical Arc Flash Study.
- 1068. Started breaker replacements as identified by electrical reliability and safety testing.

#### **Laughlin Lift Station #2:**

- 1069. Worked with the Engineering Project team on the design and function of the new force mains.
- 1070. Completed cleaning debris and grease from the wet well.
- 1071. Continued with equipment efficiency optimization through continued execution of preventive maintenance program procedures.
- 1072. Collaborated with Collection Systems Services on modifying the PM to keep the wet well free of debris prior to monsoon season.
- 1073. Completed the monthly force main flushing.
- 1074. Completed Pump 1 check valve, O-rings, and flapper seal replacement.
- 1075. Completed installation of the automated seal water selection system.

#### **Laughlin Lift Station #3:**

- 1076. Completed cleaning debris and grease from wet well.
- 1077. Continued with equipment efficiency optimization through continued execution of preventive maintenance program procedures.
- 1078. Collaborated with the Instrumentation team to reduce high transient pressures in the force main after pump runs, which reduced the probability of critical equipment damage.
- 1079. Completed installation of the automated seal water selection system.
- 1080. Completed double mechanical seal replacement on Pump 3.

#### **Searchlight Wastewater Treatment Ponds (SWTP) Operations**

- 1081. Treated 16.06 million gallons.
- 1082. Achieved no permit violations to date.
- 1083. Removed the deteriorating Pond 5 liner.
- 1084. Completed interior grounds clean up.
- 1085. Completed all required samplings.
- 1086. Collaborated with Collections and Control Systems to ensure accurate flows are recorded.
- 1087. Completed cleaning debris and grease from the lift station wet well.
- 1088. Maintained lift station equipment to optimal efficiency through continued execution of preventive maintenance program procedures.

#### **Indian Springs Wastewater Treatment Facility (ISWTF) Operations:**

- 1089. Treated 46.72 million gallons of wastewater at the ISWTF.
- 1090. Received the 2024 NACWA Gold Peak Performance Award for 100% permit compliance
- 1091. Achieved no permit violations for 2025.

1092. Completed aeration diffuser membrane changes on both aeration basins which improved the overall plant discharge results and biological process.
  1093. Treated sources of high ammonia concentrations in the influent.
  1094. Established improvements of the Indian Springs Monitoring Wells (MW) MW1 & MW 2 Total Nitrogen levels, which now consistently remain under permit limits.
  1095. Completed plant equipment and valve exercising, which include the force main valves from Indian Springs Lift Station.
  1096. Removed and disposed of used chemical totes for stormwater pollution control.
  1097. Completed the annual inspection and repaired equipment within both clarifiers.
  1098. Completed installation of discharging manifold system for Eco-Tube systems within Facultative Basin 2.
  1099. Completed the clarifiers weirs pressure washing that is performed monthly.
  1100. Completed decantation of Facultative Basin 1 and started the drying process for sludge removal.
  1101. Conducted and completed weekly, monthly, and quarterly sampling events.
  1102. Completed Percolation Pond 1-3 and 5-6 weed removal and cleanup.
  1103. Completed backflow preventer testing.
  1104. Conducted lift station grease cleanings.
  1105. Overhauled grit washer and classifier.
  1106. Replaced the Turbo Blower 2.
  1107. Addressed the rake arm traveling issues.
  1108. Adapted wasting piping to sludge bags for Facultative Basin 2.
  1109. Replaced all Rotork actuators with Beck actuators for better performance.
  1110. Replaced two utility water pumps.
  1111. Rebuilt Grit classifier system.
  1112. Exercised percolation basin gates.
  1113. Completed 54 POs for Indian Springs/Creech
- Moapa Valley Wastewater Treatment Facility (MVWTF) Operations:**
1114. Treated 60 million gallons of wastewater at the MVWTF.
  1115. Achieved low total nitrogen discharge levels by optimizing the Biological Nutrient Removal (BNR) process.
  1116. Eliminated the use of an additional carbon source to lower the nitrogen concentrations.
  1117. Received its first NACWA Platinum Peak Performance Award for 100% permit compliance for over five consecutive years.
  1118. Achieved no permit violations for 2025.
  1119. Provided septage receiving services for local septic pumping companies.
  1120. Removed waste activated sludge (WAS)/septage solids from the primary ponds.
  1121. Optimized aeration system blower control tuning to improve aeration basin air control for changes in loading and flow.
  1122. Optimized power monitoring to central SCADA Power Monitoring system.
  1123. Increased volatile fatty acid (VFA) production by cycling off an additional mixer to improve treatment process.
  1124. Conducted all Quarterly Samplings successfully.
  1125. Upgraded the sludge ponds to improve sludge handling.
  1126. Enhanced aeration basin control by moving the control points.
  1127. Completed backflow preventer testing and reported to Moapa Water.
  1128. Repaired multiple line breaks in potable water HDPE pipe as well as created improvements.
  1129. Performed Class II Service on Blower 2.



- 1130. ERW piping installed for hydrants on clarifier deck.
- 1131. Rerouted air release valves back to wet well to prevent algae build-up.
- 1132. Successfully performed exploratory excavation for isolation valve on force main from Overton Main LS to the Plant.
- 1133. Assisted Collection with lift station grease cleanings.
- 1134. SCADA Communications 75' antenna separating and successfully repaired.
- 1135. Exercise percolation basin gates .
- 1136. Completed 91 POs for Moapa.

**Blue Diamond Wastewater Treatment Ponds (BDWTP) Operations:**

- 1137. Treated 4.75 million gallons of wastewater at the BDWTP.
- 1138. Conducted a Phase I and II environmental assessment of the facility to prepare for a possibility decommissioning in the future.
- 1139. Completed the application of weed pre-emergent to Blue Diamond Treatment Pond A and Rapid Infiltration Basins (RIBs) A and B with support from Facility Maintenance and Clark County Vector Control.
- 1140. Conducted routine weekly and monthly sampling events.
- 1141. Cleaned and removed solids and debris from the influent structure.
- 1142. Cleaned and removed sludge from the effluent structure with assistance from Collection System Services.
- 1143. Continued monitoring of impact from the gypsum mine.
- 1144. Completed bi-weekly aerator cleaning for ponds.

**Clark County Water Quality Planning Division:**

**(Under an Agreement with Clark County, we serve as the County's Program Agent)**

- 1145. Completed 218 Industrial Site Stormwater Inspections.
- 1146. Completed 1965 Construction Site Stormwater Inspections.
- 1147. Completed 661 Post-Construction BMP(s) Inspections.
- 1148. Issued 755 Construction Site Enforcement Actions.
- 1149. Issued 171 Industrial Site Enforcement Actions.
- 1150. Responded to 425 Stormwater complaints.
- 1151. Completed 34 Residential Complaint Inspections.
- 1152. Issued 149 Residential Enforcement Actions.
- 1153. Conducted 200 Storm Channel Inspections.
- 1154. Conducted 25 Stormwater Regulatory Program Trainings and Outreach.
- 1155. Performed 4 Post-Construction Enforcement Actions.
- 1156. Initiated development of a new Clark County 208 Area-Wide Water Quality Management Plan that encompasses all jurisdictions across Clark County, in compliance with the Clean Water Act and Nevada Revised Statutes.
- 1157. Negotiated and secured a \$1.1 million contract with the engineering consultant firm Brown and Caldwell.
- 1158. Re-negotiated the terms of a 604(b) grant to provide \$60,000 as seed money to launch the project, and still meet 604(b) grant funding Bill Infrastructure Law funding provisions.
- 1159. Coordinated 208 Plan development activities with NDEP Bureau of Water Quality Planning and Bureau of Water Pollution Control.
- 1160. Secured project partners with wastewater and watershed agencies across Clark County.
- 1161. Collaborated with Clark County District Attorney on developing a new Chapter of Clark County Code to address 208 Plan regulatory jurisdiction.

1162. Collaborated with NDEP wellhead protection staff to incorporate relevant Bureau of Safe Drinking Water resources into the new 208 Plan.
1163. Provided project presentations to the Board of County Commissioners, Sewage and Wastewater Advisory Committee, Southern Nevada Water Authority, State of Nevada Source Water Protection, CCCWRD Compliance & Regulatory Affairs and Development Services groups, Stormwater Quality Management Committee, Colorado River Commission, Southern Dischargers and NDEP at Carson City, Las Vegas Wash Coordination Committee, WateReuse Nevada, Southern Nevada Health District, and Clark County Department of Environment and Sustainability.
1164. Collaborated with WRD to establish a 208 Plan approval procedure for package plant submissions.
1165. Provided administrative oversight for the NRS-mandated Sewage and Wastewater Advisory Committee (SWAC), which is directly connected to the 208 Plan. Collaborated with SWAC members on new 208 Plan development. Coordinated and administrated SWAC meetings in compliance with Open Meeting Law. Brought in relevant presentations by agency stakeholders to facilitate productive discussion at meetings.
1166. Participated in UNLV CBER meetings to project future population growth, and distributed final report to SWAC members (including WRD) to facilitate accurate wastewater treatment capacity projections, which is directly tied to the 208 Plan. Distributed 2025 population projections to all SWAC member agencies.
1167. Maintained 100% MS4 Permit compliance, which included close coordination with multiple Clark County Departments on permit requirements.
1168. Hired a new Water Quality Specialist to facilitate the transfer of an existing Water Quality Specialist to a vacated Planner position.
1169. Expanded the Post-Construction BMP program to prioritize inventoried sites and provide streamlined regulatory oversight.
1170. Coordinated with Public Works to align Clark County Stormwater Code with License and Maintenance Agreements with NDEP groundwater discharge permitting requirements.
1171. Modified internal processes to increase inspection effectiveness and regulatory compliance.
1172. Implemented expanded annual reviews of MS4 program elements to enhance Clark County compliance and fulfill MS4 Stormwater Management Plan requirements.
1173. Initiated regulatory coordination meetings in advance of Formula 1 Las Vegas Grand Prix and EDC events to establish appropriate stormwater controls in compliance with Clark County Code 24.40, and performed pre-event and post-event inspections to confirm compliance. Additionally co-facilitated District sanitary sewer requirements in conjunction with CCWQ requirements.
1174. Collaborated with Regional Flood to address problematic Post-Construction BMP structural control design in the valley-wide update to the Hydrologic Criteria Drainage Design Manual.
1175. Administered and further broadened the regulatory program to ensure compliance with MS4 permit requirements.
1176. Secured ongoing strong connections with MS4 co-permittees to facilitate unified direction and a unified voice in regulatory program implementation. Collaborated closely with Regional Flood to facilitate engaging co-permittees in permitting and regulatory matters.
1177. Coordinated closely with Regional Flood and the MS4 consultant to address MS4 issues, concerns, and initiatives.
1178. Ensured that Clark County Public Works and Stormwater Quality Management Committee members were kept apprised of program progress and issues related to the MS4 program.

1179. Secured stronger connections with County departments participating in the stormwater regulatory program and further streamlined their processes.
1180. Coordinated with Public Works on NDEP groundwater discharge permitting/compliance requirements, establishing processes to apprise Public Works of facilities that have not obtained a Clark County License and Maintenance Agreement to discharge into County storm drains.
1181. Provided Clark County Water Quality representation on Regional Flood's Technical Advisory Committee, SNWA's Las Vegas Wash Coordination Committee, Administrative Study Team, Operations Study Team, and Research/Environmental Monitoring Study Team, Lake Mead Water Quality Forum, Southern Nevada Health District's Southern Nevada Environmental Task Force, Southern Dischargers Meetings, and Clark County's Multi-Agency Response Team.
1182. Initiated a contract with CCWQ's cloud-based remote inspection software vendor to implement expanded inspection and tracking features. Project completed and successfully implemented.
1183. Facilitated regulatory modules for SWPPPTrack use across applicable County departments, consolidating County stormwater regulatory functions into a single cloud-based system managed by Water Quality that documents inspections, issues reports, and manages/tracks enforcement.
1184. Established a dedicated database manager, responsible for overall data collection and management across all SWPPPTrack modules and external databases.
1185. Refined blueprint uploading procedures to enhance field inspector access.
1186. Initiated the development of a new SQL database to replace an aging Access database, and augment SWPPPTrack database data imports from external agencies.
1187. Streamlined the process of accessing improvement plans from File 360, identifying Post-Construction BMPs, and uploading Latitudes and Longitudes of each Post-Construction BMP continues to bring Clark County's Post-Construction in alignment with MS4 permit requirements.
1188. Reviewed Public Works projects to phase applicable sites into the construction stormwater regulatory program.
1189. Reviewed State of Nevada construction and industrial stormwater permits to determine applicability to the County's construction and stormwater regulatory programs, and incorporated applicable sites into the Clark County's stormwater regulatory program in compliance with the MS4 permit.
1190. Implemented an enforcement response plan to achieve regulatory compliance through diverse enforcement methods.
1191. Updated the enforcement response plan to align with current processes, as required under the MS4 permit.
1192. Coordinated escalated enforcement issues with the Clark County District Attorney & CCWRD General Counsel to successfully resolve all issues.
1193. Convened 17 Enforcement Meetings, all of which resulted in productive outcomes and compliance with Clark County Stormwater Code 24.40, resulting in 100% compliance with Clark County stormwater regulations.
1194. Resolved 100% of construction site and industrial site enforcement actions.
1195. Provided stormwater inspection training to Clark County Departments to facilitate ongoing County-wide MS4 Permit compliance.
1196. Provided contractor stormwater training valley-wide to fulfill MS4 Permit requirements, and implemented the addition of post-construction BMP requirements in cooperation with

- Regional Flood and the co-permittees to further compliance with the post-construction BMP program.
1197. Provided training to CCWQ staff on construction, post-construction, industrial, and internal program functions including SWPPPTrack.
  1198. Collaborated with Regional Flood, MS4 co-permittees, and NDEP to develop a new streamlined Stormwater Management Plan that significantly reduces liability concerns for Clark County, resubmitted it to NDEP for approval, and met with NDEP officials to establish a consensus. The new SWMP will become an enforceable component of the MS4 permit.
  1199. Implemented enhancements to the stormwater regulatory program to align with requirements in a new MS4 permit from NDEP that was issued in February.
  1200. Completed all MS4-mandated compliance inspections of Clark County storm channels and detention basins, and successfully resolved all issues, stormwater violations, and maintenance concerns.
  1201. Collaborated with Regional Flood to properly identify regional channels and basins, and provide them with County overlays of County channels/basins.
  1202. Coordinated with CCPW regarding illicit connections storm drains.
  1203. Coordinated with Regional Flood and MS4 consultant to ensure all aspects of the County's IDDE program are being adequately addressed.
  1204. Reviewed Public Facility Stormwater Maintenance Plans.
  1205. Performed regulatory inspections of County facilities to ensure full compliance with MS4 permit requirements.
  1206. Completed all monthly reporting requirements for the District and for the MS4 program.
  1207. Completed all quarterly reporting requirements for the MS4 program report to NDEP.
  1208. Completed all annual reporting requirements for the MS4 program report to NDEP, and provided extensive review and comment on the final report.
  1209. Administered \$60,000 in 604(b) federal grant funding from NDEP for the 208 Plan, which includes Bipartisan Infrastructure Law funding with targeted requirements.
  1210. Completed a \$47,000, NDEP 319(h) outreach and education grant that included public outreach events, billboard advertising, social media, outreach development, and an interactive public outreach website.
  1211. Provided reporting to NDEP in compliance with grant parameters.
  1212. Collaborated with NDEP on project direction and secured stronger relationships with new NDEP grant administration staff.
  1213. Collaborated with Clark County Wetlands Park to deploy a grant-funded interactive stormwater pollution kiosk in their Nature Center.
  1214. Engaged thousands of Las Vegas Valley residents in Outreach and Education events at Bark in the Park, Earth Day at Springs Preserve, Las Vegas Science & Technology Festival, Discovery Day at Wetlands Park, and NV SPCA Neon Dog Event.
  1215. Collaborated with WRD Strategic Services on publishing CCWQ Public Outreach.
  1216. Ongoing collaboration with all MS4 co-permittees outreach activities to broaden nonpoint source outreach with a unified message.
  1217. Maintained the StormwaterVegas.com website to provide educational resources to the general public (including a Spanish component).
  1218. Continued collaboration with the Las Vegas Wash Coordination Committee Administrative Study Team to on public outreach efforts and area-wide studies, including a formal presentation to the Study Team.
  1219. Collaborated with the Regional Flood and NDEP to obtain final EPA approval of regulation R116-22, which established site-specific selenium criteria for Las Vegas Wash.

1220. Supported RFCD and ecotoxicologist firm on pending EPA approval of beneficial use designations for the tributaries.
1221. Served as a project partner with NDEP to update the State's Stormwater BMP Manual.
1222. Served as a member of the Water Environment Federation's Stormwater Committee to address stormwater regulatory matters on a national level.
1223. Strengthened effective working relationships with County departments and outside agencies with connections to the MS4 program, including those that perform inspections and departments required to comply with and/or participate in MS4 activities, including the following:
  - a. Clark County Water Reclamation District
  - b. District Attorney's Office
  - c. Building Department
  - d. Comprehensive Planning
  - e. Environment and Sustainability (formerly Air Quality)
  - f. Public Works – Developer Funded
  - g. Public Works – County Funded
  - h. Public Works – Roads
  - i. Public Response Office
  - j. Public Information Office
  - k. Clark County IT
  - l. Real Property Management
  - m. Department of Aviation
  - n. SNWA
  - o. RFCD
  - p. City of Las Vegas
  - q. City of Henderson
  - r. City of North Las Vegas
  - s. NDEP
  - t. NDOT
  - u. Wetlands Park
  - v. CC School District
1224. Coordinated closely with NDEP on water quality and grant matters.
1225. Participated in the NDEP Public Workshop on algae toxins and the State Environmental Commission hearing on Algal Toxin regulation R149-24.
1226. Participated as a member of Regional Flood's Technical Advisory Committee, and utilized meeting documentation to enhance Clark County's MS4 program and advise WRD of potential impacts.
1227. Participated in MS4 co-permittee meetings and actively pressed for program enhancements to ensure ongoing compliance with MS4 permit requirements.
1228. Prepared Clark County SQMC members for their participation in SQMC meetings.
1229. Participated in the WaterReuse Nevada Symposium, with focus on the 208 Plan project.
1230. Participated in the Clark County Environment & Sustainability Emulsified Asphalt Public Workshop.
1231. Participated in the Gypsum Resources planning meetings.
1232. Participated in a Las Vegas Wash Coordination Committee tour of Las Vegas Wash.
1233. Participated in an EPA Biosolids Risk Assessment for PFAS training.
1234. Participated in the 2025 National Stormwater Policy Forum.



- 1235. Coordinated with Clark County’s new Special Events Department to insert Water Quality into their event approval process.
- 1236. Met with Sacramento State University’s Office of Water Programs to discuss trends/direction of stormwater regulatory requirements.
- 1237. The Water Quality Compliance and Planning Team and the Clean Water Team are a strong partnership.

**CCWRD Organizational Overview By the Numbers:**

1238. FWRC Plant Capacity:	120 MGD; currently under plant expansion to 150 MGD
1239. LWRC Plant Capacity:	8 MGD
1240. Moapa Valley Facility Capacity:	0.75 MGD
1241. Indian Springs Plant Capacity:	0.50 MGD
1242. Searchlight Pond Capacity:	90,000 Gallons
1243. Blue Diamond Pond Capacity:	44,000 Gallons
1244. Average Daily Influent Flow for Flamingo Water Resource Center:	109.716 MGD
1245. Average Daily Effluent Flow for Flamingo Water Resource Center:	113.568 MGD
1246. Average Daily Influent Flow for Laughlin Water Resource Center:	1.565 MGD
1247. Average Daily Influent Flow for Laughlin Water Resource Center:	1.386 MGD
1248. Average Daily Influent Flow for Overton/Moapa Valley treatment facility:	0.147 MGD
1249. Average Daily Influent Flow for Indian Springs treatment facility:	0.128 MGD
1250. Average Daily Influent Flow for Searchlight Ponds:	0.044 MGD
1251. Average Daily Influent Flow for Blue Diamond Ponds:	0.013 MGD
1252. Total Miles of Gravity Pipe:	2,375.6 miles
1253. Total Miles of Force Mains:	29.0 miles
1254. Total Miles of Sewer Pipe:	2,404.6 miles
1255. Number of Manholes:	52,432
1256. Number of Lift Stations:	24
1257. Number of Odor Control Sites:	36
1258. Number of Biofilters:	2
1259. Number of Carbon/Persnickety Scrubbers:	7
1260. Number of Bioxide Chemical Feed sites:	27
1261. Number of Siphons:	17
1262. Current Contracted Obligations:	\$381.68 Million
1263. Outstanding Bonds Principal Payable:	\$640.71 Million
1264. Annual Principal & Interest Payment:	\$54.34 Million
1265. Retirement (PERS) Liability:	\$74.31 Million
1266. Employee Health Care (OPEB) Liability:	\$32.91 Million
1267. 5-Year CIP Program (FY 2026-2030):	\$864.26 Million
1268. Annual Operations & Maintenance Plan:	\$127.60 Million
1269. Annual Sewer Service Rate per ERU:	\$295.36
1270. Connection Fee per ERU:	\$3,020.00
1271. Active Accounts in our Las Vegas Valley Service area:	273,871
1272. Active Accounts in Laughlin:	2,832
1273. Active Accounts in Overton/Moapa Valley:	754
1274. Active Accounts in Indian Springs:	412
1275. Active Accounts in Searchlight:	219
1276. Active Accounts in Blue Diamond:	119
1277. Total Active Accounts:	278,207



1278. Average Daily Reclaimed Water served to Customers:	1.118 MGD
1279. Number of Wastewater Compliance Samples Completed:	12,537
1280. Number of Wastewater Compliance Tests Analyzed:	109,755
1281. 26 Active Board Authorized Construction Contracts for the amount of:	\$1,035,746,690
1282. 58 Active Board Authorized Design Agreements for the amount of:	\$126,405,589
1283. Full Time Equivalent (FTE) employees authorized:	425
1284. Average Utilization Rate % per current Full Time Equivalent (FTE):	84.8%
1285. FTE Position Vacancy Rate:	9.4%
1286. FTE Position Separation Rate:	9.6%
1287. FTE Position Retirement Rate:	2.3%
1288. Total Invested Funds (End of Year) =	\$ 602,615,023
1289. Total Reserves/Designated Funds =	\$ 209,002,419
1290. Current Obligations (End of Year) =	\$ 381,680,845
1291. Outstanding Receivables (End of Year) =	\$ 94,131,579
1292. Total Available Funds (End of Year) =	\$ 106,063,338
1293. Outstanding Bonds Principal Payable =	\$ 640,707,587
1294. Retirement PERS Liability =	\$ 74,312,242
1295. Employee Health Care (OPEB) Liability =	\$ 32,913,003
1296. 5-Year CIP Program (FY2025-2029) =	\$ 864,257,662
1297. FY 25/26 CIP/CEP/CDEV=	\$ 264,666,200
1298. Annual Operating Plan =	\$ 127,608,299
1299. Average Day sludge cake hauled to Landfill =	501 wet Tons
1300. Average Monthly Electrical Power Consumption for FWRC =	7,245,000 kWh

**Congratulations, Clean Water Team, on an outstanding year of achievement.**

Your commitment to serving our community by responsibly sustaining the water care cycle continues to set a high standard of excellence. The professionalism, collaboration, and dedication demonstrated across the organization have delivered meaningful results for Southern Nevada.

Through your collective efforts, the District has ensured a stable and reliable reclaimed water resource, exemplified by the continued success of Return Flow Credits to Lake Mead. These achievements strengthen regional water resilience by enabling diversions beyond authorized allocations and supporting long-term sustainability.

Thank you for your dedication and leadership in protecting public health, safeguarding the environment, and serving our community. We look forward to building on this momentum in 2026 as we continue advancing operational excellence and innovation.

**The Clean Water Team sets the standard for water reclamation and public stewardship.**

Proud to serve with you all!

*-Tom Minwegen*