|  |  |
| --- | --- |
| **Citation No** | **Project Name** |
| 1 | Montebello Forebay County Sanitation Districts of Los Angeles County, CA 1 |
| 2 | Upper Occoquan Service Authority, VA 2 |
| 3 | Denver Potable Reuse Demonstration, CO 3 |
| 4, 5 | Hueco Bolson Recharge Project, El Paso Water Utilities, TX 4,5 |
| 6 | Clayton County Water Authority, GA 6 |
| 7 | City of Tampa Water Resource Recovery Project, FL 7 |
| 7 | City of West Palm Beach Constructed Wetlands Demonstration Project, FL 7 |
| 8 | Gwinnett County F. Wayne Hill (IPR), GA 8 |
| 9, 10 | Yelm Cochrane Memorial Park, WA 9,10 |
| 10, 11 | City of Ephrata, WA 10,11 |
| 10, 11 | Grant County Royal City, WA 10,11 |
| 10, 11 | Grant County Quincy, WA 10,11 |
| 12, 13 | Los Alamitos Barrier Water Replenishment (Leo J Vander Lans Water Treatment Facility), CA 12,13 |
| 10 | LOTT Clean Water Alliance Hawk's Prairie Ponds, WA 11 |
| 7 | City of Plantation Advanced Wastewater Treatment Pilot, FL 7 |
| 7 | City of Sunrise Advanced Water Treatment and Reuse Pilot, FL 7 |
| 14 | Chino Basin Groundwater Recharge Project Inland Empire Utility Agency, CA 14 |
| 7 | Miami-Dade County Coastal Wetlands Rehydration Demonstration Pilot, FL 7 |
| 15 | North Texas Municipal Water District East Fork Water Reuse Project, TX 15 |
| 16 | Arapahoe County Cottonwood, CO 16 |
| 17 | Prairie Water Project Aurora, CO 17 |
| 7, 18 | Town of Davie Advanced Water Treatment Aquifer Recharge and Indirect Potable Reuse, FL 7,18 |
| 19, 20 | City of Tenino Class A Reclaimed Water Facility, WA 19,20 |
| 21 | Airway Heights, WA 21 |
| 22 | Big Spring Colorado River Municipal Water District, TX 22 |
| 23, 24 | Western Reverse Land Conservancy Tangent WaterCycle, OH 23,24 |
| 7, 25 | City of Hollywood Effluent Recharge Treatment Pilot, FL 7,25 |
| 26 | Tarrant Regional Water District, TX 26 |
| 27, 28 | Wichita Falls Cypress Water Treatment Plant (DPR), TX 27,28 |
| 10, 29 | Dominguez Gap Barrier Terminal Island, City of Los Angeles, CA 10,29 |
| 30 | Silicon Valley Advanced Purification Center, CA 30 |
| 31 | Orange County Groundwater Replenishment System, CA 31 |
| 32, 33 | West Basin Recycling Plant Groundwater Replenishment and Seawater Barrier, CA 32,33 |
| 34 | City of Tucson Potable Reuse Pilot, AZ 34 |
| 35 | Cambria Emergency Water Supply, CA 35 |
| 36, 37 | Scottsdale Water Campus, AZ 36,37 |
| 38 | City of Abilene Hamby Water Reclamation Facility and Indirect Reuse Project, TX 38 |
| 39 | Ventura Pure Water, CA 39 |
| 7 | Hillsborough County Direct Potable Reuse Demonstration, FL 7 |
| 40 | City of Oxnard Advanced Water Treatment Facility, CA 40 |
| 41 | Gwinnett County Pilot Study, GA 41 |
| 42 | San Francisco Public Utilities Commission PureWaterSF Research Project, CA 42 |
| 43 | City of Altamonte Springs pureALTA, FL 43 |
| 44 | Village of Cloudcroft DPR Project, NM 44 |
| 28, 45 | Wichita Falls River Road Wastewater Treatment Plant (IPR) 28,45 |
| 7 | Texas A&M University Direct Potable Reuse Research & Demo 7 |
| 46 | City of Clearwater and the Southwest Florida Water Management District 46 |
| 47 | Portland Clean Water Services Pure Water Brew Demo 47 |
| 7 | City of Daytona Beach Direct Potable Reuse Demo Test System 7 |
| 48 | Big Bear Area Regional Wastewater Agency Replenish Big Bear 48 |
| 49 | Pure Water Oceanside 49 |
| 50 | City of Pismo Beach Central Coast Blue 50 |
| 51 | Metropolitan Water District of Southern California Regional Recycled Water Advanced Purification Center 51 |
| 52 | Las Virgenes-Triunfo Join Powers Authority Pure Water Project 52 |
| 53 | Carpinteria Valley Water District Advanced Purification Project 53 |
| 54, 55 | Soquel Creek Water District Pure Water Soquel 54,55 |
| 56 | Jacksonville Electric Authority Water Purification Treatment Demonstration Facility 56 |
| 57 | Hampton Road Sanitation District SWIFT Project 57 |
| 58 | Pure Water Monterey 58 |
| 59 | El Paso Advanced Water Purification Facility 59 |
| 60, 61 | Groundwater Reliability Improvement Project 60,61 |
| 62 | Scottsdale Water Campus DPR Permit 62 |
| 63 | Laguna Madre Water District 63 |
| 64 | Palmdale Water District Groundwater Recharge and Recovery Project 64 |
| 65 | North City Pure Water Purification Facility 65 |
| 66 | Donald C Tillman Water Reclamation Plant 66 |
| 67 | City of Brownwood 67 |
| 68, 69 | Kitsap County Kingston Recycled Water Project 68,69 |
| 70 | Eastern Municipal Water District 70 |
| 71 | East County Advanced Water Purification Program 71 |

References

(1) Johnson, T. Recycled Water for Groundwater Recharge: Innovative Recharge Projects and Source Water Implications, 2017.

(2) Upper Occoquan Service Authority. Physical Advanced Treatment https://www.uosa.org/DisplayContentUOSA.asp?ID=490 (accessed Oct 10, 2020).

(3) Ray, J. M.; Rogers, S. E.; Lauer, W. C. DENVER’S POTABLE WATER REUSE DEMONSTRATION PROJECT: INSTRUMENT AND CONTROL SYSTEM. *Instrum. Control Water Wastewater Treat. Transp. Syst.* **1985**, 489–496. https://doi.org/10.1016/B978-0-08-032591-0.50068-3.

(4) El Paso Water. Fred Hervey WWTP https://www.epwater.org/our\_water/plants/fred\_hervey\_w\_w\_t\_p (accessed Oct 20, 2020).

(5) Water Science and Technology Board Committee on Groundwater Recharge. *Ground Water Recharge Using Waters of Impaired Quality*; National Academies Press, 1994. https://doi.org/10.17226/4780.

(6) Thomas, M. Sustainable Water Resources Management by Georgia Utilities: Clayton County Water Authority. In *2005 Georgia Water Resources Conference*; University of Georgia, 2005; p 4.

(7) Mulford, L. A.; Moore, E.; MacNevin, D. Potable Reuse Pilots & Demonstrations: A Review of Flow, Treatment, & Costs; Atlanta, GA, 2018; p 13.

(8) Hooper, J.; Funk, D.; Bell, K.; Noibi, M.; Vickstrom, K.; Schulz, C.; Machek, E.; Huang, C.-H. Pilot Testing of Direct and Indirect Potable Water Reuse Using Multi-Stage Ozone-Biofiltration without Reverse Osmosis. *Water Res.* **2020**, *169*, 115178. https://doi.org/10.1016/j.watres.2019.115178.

(9) Dale, S. Case Study: Yelm, Wash. 100 Percent Reuse Solves Nitrate Problem. November 11, 2000.

(10) USEPA. *2017 Potable Reuse Compendium*; 2017; p 203.

(11) Cupps, K.; Morris, E. *Case Studies in Reclaimed Water Use - Creating New Water Supplies across Washington State*; 05-10–013; Washington State Department of Ecology, 2005; p 44.

(12) WRD. WRD Leo J. Vander Lans AWTF https://www.wrd.org/content/wrd-leo-j-vander-lans-awtf (accessed Oct 22, 2020).

(13) CWEA. Expansion Improvements from an Operations and Maintenance Perspective of the Leo J Vander Lans Advanced Water Treatment Facility. *California Water Environment Association*, 2019.

(14) CRWQCB. *Water Recycling Requirements for Inland Empire Utilities Agency and Chino Basin Watermaster Phase I Chino Basin Recycled Water Groundwater Recharge Project*; R8-2005–0033; California Regional Water Quality Control Board: Santa Ana Region.

(15) NTMWD. East Fork Water Reuse Project https://www.ntmwd.com/east-fork-water-reuse-project/ (accessed Oct 22, 2020).

(16) Joint Water Purification Project - Colorado’s First Planned Indirect Potable Reuse, 2015.

(17) City of Aurora. Prairie Waters https://www.auroragov.org/residents/water/water\_system/water\_sources/prairie\_waters (accessed Oct 22, 2020).

(18) AECOM. *Advanced Wastewater Treatment for Aquifer Recharge and Indirect Potable Reuse Pilot Study Final Report*; 2011.

(19) Ovivo, Inc. Tenino https://mbrcentral.com/wp-content/uploads/MBR/tenino/output.pdf (accessed Oct 6, 2020).

(20) Gibbs and Olson. Wastewater Treatment Plant City of Tenino, Washington https://gibbs-olson.com/portfolio-item/wastewater-treatment-plant/ (accessed Oct 22, 2020).

(21) City of Airway Heights. Overview of Plant Operations http://www.cawh.org/departments/public-works/water-reclamation-plant/overview-of-plant-operations (accessed Oct 22, 2020).

(22) Hummer, N.; Eden, S. Potable Reuse of Water. *The Arroyo*. Water Resources Research Center College of Agriculture and Life Sciences, University of Arizona 2016.

(23) Tangent Company LLC. Three Best-In-Class Treatment Sub-Systems. *Tangent Company*, 2019.

(24) Western Reserve Land Conservancy. Western Reserve Land Conservancy and Tangent Company recognized for national excellence in the first self-contained on-site water recycling system in the country https://www.wrlandconservancy.org/articles/2019/09/30/tangentwateraward2019/ (accessed Oct 22, 2020).

(25) Hazen and Sawyer. *Effluent Recharge Treatment Pilot Study: Final Report*; City of Hollwood, Florida, 2014.

(26) Texan by Nature. Constructed Wetlands. *Texan By Nature*, 2018.

(27) City of Witchita Falls. Steps in the DPR Water Treatment Process. May 20, 2014.

(28) Nix, D. K. 2019 Texas OCEA Award Winner: Wichita Falls DPR & IPR Project https://www.texasce.org/tce-news/2019-texas-ocea-award-winner-wichita-falls-dpr-ipr-project/.

(29) LA City Sanitation. About AWPF https://www.lacitysan.org/san/faces/home/portal/s-lsh-sp/s-lsh-sp-awpf/s-lsh-sp-awpf-a?\_adf.ctrl-state=1bqqakq7q6\_5&\_afrLoop=9851881811054768#! (accessed Oct 22, 2020).

(30) Santa Clara Valley Water District. Silicon Valley Advanced Water Purification Center and Potable Reuse Opportunities, 2015.

(31) Burris, D. L. *Groundwater Replenishment System 2018 Annual Report*; Orange County Water District, 2019.

(32) West Basin Municipal Water District. *Capital Implementation Master Plan for Recycled Water Systems*; West Basin Municipal Water District, 2009.

(33) *Groundwater Bains Master Plan Final Report*; 2016.

(34) CH2M. Tucson, Arizona’s Potable Water Reuse Pilot Project Wins WateReuse Arizona Project of the Year Award. *Cision PR Newswire*. September 7, 2016.

(35) Gresens, B. Cambria Emergency Water Supply Project Regional Water Board Title 22 & Title 27 Permit Presentation, 2014.

(36) City of Scottsdale. Expansion of Scottsdale Water Campus Advanced Water Treatment (AWT) Facility. September 2015.

(37) City of Scottsdale. Recycled Water https://www.scottsdaleaz.gov/water/recycled-water (accessed Oct 22, 2020).

(38) Enprotec / Hibbs & Todd. City of Abilene Hamby Water Reclamation Facility and Indirect Reuse Project https://e-ht.com/our-services/waste-water/wastewater-treatment/city-of-abilene-hamby-water-reclamation-facility-and-indirect-reuse-project/#:~:text=City%20of%20Abilene%20Hamby%20Water%20Reclamation%20Facility%20and%20Indirect%20Reuse%20Project,-CLIENT%3A%2 (accessed Oct 6, 2020).

(39) Carollo. *Ventura Water Pure Direct Potable Water Reuse Demonstration Project Summary Report*; 2018.

(40) Carollo. *Advanced Water Purification Facility Indirect Potable Reuse Engineering Report Final Volume 1 of 2*; City of Oxnard, 2017.

(41) Hooper, J.; Funk, D.; Bell, K.; Noibi, M.; Vickstrom, K.; Schulz, C.; Machek, E.; Huang, C.-H. Pilot Testing of Direct and Indirect Potable Water Reuse Using Multi-Stage Ozone-Biofiltration without Reverse Osmosis. *Water Res.* **2020**, *169*, 115178. https://doi.org/10.1016/j.watres.2019.115178.

(42) SFPUC. Purpose of the PureWater SF Research Project https://sfwater.org/index.aspx?page=1303 (accessed Oct 22, 2020).

(43) Altamonte Springs. PureALTA Project Information Flyer. 2017.

(44) Corum, L. Potable Reuse Project Case Studies. *WaterWorld*. July 25, 2017.

(45) City of Wichita Falls Resource Recovery. Wichita Falls Resource Recovery Facility http://www.wichitafallstx.gov/691/Resource-Recovery (accessed Oct 22, 2020).

(46) Porter, D. W. Clearwater’s Groundwater Replenishment Project Agency on Bay Management, 2018.

(47) Pure Water Brew. Process https://www.purewaterbrew.org/process.

(48) USBR. *Water Infrastructure Improvements for the Nation Act of 2016 (Pub. L. 114-322), Title I Water Resources Development Section 4009(c): Feasibility Study Review Findings*; 2019.

(49) City of Oceanside. Pure Water Oceanside https://www.ci.oceanside.ca.us/gov/water/pure\_water\_oceanside.asp (accessed Oct 23, 2020).

(50) Central Coast Blue Presentation: WEF - Edge of the Drought Tour, 2019.

(51) Metropolitan Water District of Southern California. Regional Recycled Water Advanced Purification Center.

(52) Las Virgenes Municipal Water District. Pure Water https://www.ourpureh2o.com/pure-water (accessed Oct 23, 2020).

(53) Woodard & Curran. *Draft Initial Study Carpinteria Advanced Purification Project*; 2018.

(54) Soquel Creek Water. *Pure Water Soquel Draft EIR Chapter 3 Project Description*; 2018.

(55) Soquel Creek Water. Pure Water Soquel Project Overview. January 27, 2020.

(56) JEA. Purified Water http://www.jea.com/about/water\_supply/purified\_water/ (accessed Oct 23, 2020).

(57) Hazen and Sawyer. Full-Scale Implementation of Groundbreaking SWIFT Program https://www.hazenandsawyer.com/work/projects/full-scale-implementation-of-groundbreaking-swift-program/ (accessed Oct 23, 2020).

(58) *Volume I: Engineering Report - Monterey One Water Pure Water Monterey Groundwater Replenishment Project*; 2019.

(59) Carollo. El Paso Water, Texas Advanced Water Purification Facility https://www.carollo.com/projects/el-paso-advanced-water-purification-facility (accessed Oct 23, 2020).

(60) WRD. Albert Robles Center Brochure. 2020.

(61) AECOM. *Recirculated Draft Environmental Impact Report - Groundwater Reliability Improvement Program (GRIP) Recycled Water Project*; 2015.

(62) Biesemeyer, B. K. Scottsdale Water Campus - Arizona’s First Direct Potable Reuse Full Scale Permit, 2019.

(63) Laguna Madre Water District. *Port Isabel Water Reclamation Facility Technical Proposal*; 2014.

(64) Kennedy/Jenks Consultants. *Palmdale Water District Littlerock Creek Groundwater Recharge and Recovery Project Feasibility Study*; 2015.

(65) City of San Diego Public Utilities Department. *Final Draft Title 22 Engineering Report North City Pure Water Project*; 2019.

(66) City of Los Angeles Bureau of Sanitation. *Request for Proposals (RFP) to Provide Design-Build Services for the Donald C. Tillman Advanced Water Purification Facility Instructions to Proposers (ITP) Draft V2*; 2018.

(67) Lahnsteiner, J.; van Rensburg, P.; Esterhuizen, J. Direct Potable Reuse – a Feasible Water Management Option. *J. Water Reuse Desalination* **2018**, *8* (1), 14–28. https://doi.org/10.2166/wrd.2017.172.

(68) Brown and Caldwell. *Kingston Recycled Water Facility Plan*; 2020.

(69) Kitsap County. *Wastewater Reuse and Water Supply Project Funding Application for: US Bureau of Reclamation Funding Opportunity Announcement No. BOR-DO-17­ F003*; 2017.

(70) Mouawad, J. Indirect Potable Reuse Program Recycled Water Supply Framework, 2016.

(71) East County AWP. About Us https://eastcountyawp.com/27/About-Us (accessed Oct 22, 2020).