

Information and status of 2019-2023 TWDB-funded direct reuse projects as requested by the Interregional Planning Council

Project_Identifier	Authority_Name	DB_WMS_ID	New_Reuse_Su	Project_Name	Project Description	Closing_Date	WMS Name	WMSP Name	RWP Pages	Status of Project	Obstacles
73821	Cleburne	1838	4480	Cleburne WWTF Expansion and Reuse Improvements	<u>The City of Cleburne's proposed project includes improvements at the city's WWTF to increase capacity and provide 4.0 MGD of high-quality reclaimed effluent for indirect potable reuse (IPR) and direct nonpotable reuse (DNPR) applications (Type I and II).</u> This project will also include the construction of a pump station and pipeline to convey the high-quality IPR reuse supply to a permitted outfall on the City's primary water supply reservoir as well as DNPR reuse supply directly to industrial and non-consumptive users on the City's west side.	11/7/2019	Reuse - Cleburne	Reuse - Cleburne	2021 Region G RWP Volume 2, pp. 3.7-1 through 3.7-7 (pp. 123-129 of Volume 2 PDF)	They are currently in construction on both construction contracts. CID-01 is for the Wastewater Treatment Facility Expansion and Reuse Pump Station (~\$28M). CID-02 is for the West Loop Reuse Pipeline (~\$6M). This project will give them the ability to produce high-quality reclaimed effluent for indirect potable reuse (IPR) and direct nonpotable reuse (DNPR) applications. According to the schedule in TxWISE, they expect to complete construction in 2026.	From TWDB's perspective, this project has moved forward pretty smoothly and on schedule.
73866	Westwood Shores MUD	NULL	0	Reuse/Reclaimed Water, WWTP Upgrades and System Upgrades	<u>The Westwood Shores Municipal Utility District (District) improvements to its existing wastewater treatment plant (WWTP) will allow the effluent to be used as Type I Water Reuse for irrigating the subdivision's golf course.</u> The District proposes to upgrade existing structures including the splitter box, bar screen, oxidation ditch, aerobic sludge thickener and lift stations. New structure improvements include two cloth disk filters, a wet well, additional WWTP yard piping, installation of a reuse pump and installation of a 6-inch force main to transmit the reuse water to Westwood Lake.	7/30/2020	Westwood Shores MUD Reuse	Westwood Shores Reuse Infrastructure	2021 Region H RWP Volume 2, Appendix 5-B-REUS-009-1 through 5-B-REUS-009-6 (pp. 1017-1022 of Volume 2 PDF)	The District changed engineering consultants in 2022 due to how slow the project was moving along and being overbudget on engineering services. The new engineer has gotten things moving again, but has been focused on their DWSRF project and lift station rehabilitation which was also part of the CWSRF project. This was due to the immediate need of new water supply as well as deterioration of the lift stations. For the reuse part of the project, we are still in the planning phase due to the project needing a full environmental review. They hope to be in design and construction by the end of the year. The small retirement community has a golf course and they will use the reuse water for the course as opposed to the ground water well that was recently constructed.	The biggest hold up was the inaction of the original engineering consultant. It has been night and day since they contracted with the new engineer.
73819	Dripping Springs	NULL	0	South Regional Wastewater Facilities Expansion	To meet the increased demand for wastewater treatment, the City is proposing a project to expand the capacity of its collection system and wastewater treatment plant and construct new wastewater and water treatment plants. The City proposes to construct a new 500,000 gallons-per-day (gpd) wastewater treatment plant (WWTP) and increase capacity of the existing 315,500 gpd WWTP to 500,000 gpd. At the WWTPs site, <u>the City will also construct an effluent holding pond and treated effluent pump station and abandon its existing drip irrigation fields and construct surface irrigation.</u> To expand the capacity of its collection system, the City will extend an interceptor and 8-inch force main, improve a regional lift station, and construct a gravity wastewater line and interceptor. The City will also construct a 500,000 gpd water treatment plant for direct potable reuse of treated effluent from its proposed wastewater treatment plant.	6/8/2022	N/A	N/A	N/A	The applicant withdrew reuse portions of this application.	Unknown.
62817	Tom Green Co FWSD # 2	NULL	0	Water System Improvements	As part of the proposed DWSRF project, the District proposes to construct: <u>1. An irrigation system on the WTP and Elevated Storage Tank property to dispose of approximately 5,500 gallons/month of wastewater discharge from the WTP. This use is authorized under Chapter 210.53 (a) which authorizes the use of water treatment filter backwash for reuse.</u> 2. Construction of a storage building for chemical storage. 3. Meter replacement with Automated Meter Reading, instillation of appropriate software and billing programs to assure that the system provides the necessary information for billing and accounting for water use. 4. Extend a new 6 inch line from the WTP south on 3rd St. to connect to an existing 6 inch line on McKee St. This will provide a loop that will improve water pressure and provide sufficient flow for fire protection.	6/21/2019	N/A	N/A	N/A	The project is in the process of being closed out. The construction is complete – just working on final documents and remaining funds. The project has one main construction contract CID 01 – Water Supply Improvements. The remaining contracts were material purchases. The contract accomplished the following: Install an irrigation system on the water treatment plant (WTP) and Elevated Storage Tank property to dispose of approximately 5,500 gallons/month of wastewater discharge from the WTP; Construct/Install a new, pre-fabricated chemical storage building at the WTP; and Replace customer water meters with Automated Meter Reading (AMR) type meters and install new, non-metallic meter boxes.	No real obstacles. The most recent issue is closing out and use of remaining unused funds. The use of funds must meet programmatic rules. It may be closed out and surplus funds returned.
73904	Roma	NULL	970	Wastewater System Improvements	The proposed project consists of improvements to the City's WWTP and lift stations throughout the City. Rehabilitation of the WWTP includes replacing various aging treatment components, the supervisory control and data acquisition (SCADA) system, electrical system components, variable frequency drives, and improvements to site piping and site work. Proposed lift station improvements include replacing deteriorated components of the SCADA system at 24 lift stations, and pump replacement at one lift station. <u>The WWTP's effluent will be 100 percent reused to water the adjacent park and surrounding area.</u> Furthermore, the project also includes the development of an asset management plan (AMP) that would provide the City with a detailed inventory of the water and wastewater system and a short-term and long-term capital improvement plan. Currently, the City is above its calculated thresholds for real and apparent water loss. The information to be developed through the AMP on the water line size and age will help the City determine future water system improvements to address water loss.	4/14/2022	N/A	N/A	N/A	The project increases direct water reuse from 197 acre-feet per year to 789 acre-feet per year.	Unknown.