Abridged Application

Due by midnight on February 1, 2022
Submit via Email: SWIFT@twdb.texas.gov
Apply Online: https://ola.twdb.texas.gov

By submitting this abridged application, you understand and confirm that the information provided is true and correct to the best of your knowledge and further understand that the failure to submit a complete abridged application by the stated deadlines, or to respond in a timely manner to additional requests for information, may result in the withdrawal of the abridged application without review.

GENERAL INFORMATION

Entity Name	County	Regional Water Planning Area
City of Dallas – Dallas Water Utilities	Dallas	C - Region C

Contact Who should TWDB contact with questions during the review of this submission?	**Name**	Matthew Penk, P.E.
	Title	Assistant Director
	Phone	214-671-9560
	Email	matthew.penk@dallascityhall.com

PROJECT DESCRIPTION

Project Name As it appears in the **2022 State Water Plan**	Design of Lake June Pump Station Replacement DWU – INFRASTRUCTURE TO TREAT AND DELIVER TO CUSTOMERS 2020	
Where can the project be found in the 2021 Regional Water Plan? TWDB Staff will utilize information from both the State and Regional water plans to identify and review the project.	**The project is described on page #:**	5D - 3
	The capital cost is listed on page #:	5D-10

Phase(s) Applied For	☐ Planning ☐ Acquisition ☒ Design ☐ Construction
Population Served When Fully Operational	2,561,490

DESCRIPTION OF PROPOSED PROJECT COMPONENTS

Please be sure this description includes all major project components and clearly states what the project seeks to accomplish. A high level of detail is not necessary at this stage–such information is collected later in the application process–but the description should make clear that the proposed work is the same as identified in the regional water plan.

The Lake June Pump Station (PS) and Reservoirs, built in 1960, have exceeded their useful life and need to be replaced based on the following assessment:

- Numerous structural deficiencies:
  - groundwater infiltration,
  - uncontrolled cracking throughout,
  - shifting foundation,
  - onsite reservoir exhibiting structural deficiencies.
- Electrical system is obsolete:
  - Outdated open-delta system,
  - Obsolete variable frequency drives,
  - Motor control centers and control panels are obsolete and outdated.
- Reservoir does not meet current TCEQ code requirements.
- Multiple valves are frozen in place or do not hold when closed.
- Pumps have experienced multiple broken pump shafts.

Lake June PS delivers 360 mgd of potable water to four separate pressure planes within the DWU distribution system. There is 21 MG of onsite storage capacity. The pump station must remain in service until the new pump station and reservoirs are built with minimal shutdown. This proposed project is for Engineering Design Services for the replacement of Lake June Pump Station (PS) and Reservoirs.

This pump station is critical to Dallas Water Utilities' ability to deliver potable water to south Dallas and represents the only supply source for the Cedardale Pressure Plane. The Lake June Pump Station is a crucial component of DWU's water delivery system and is the highest ranked facility/project need on DWU's Pump Station Criticality List.

Emergency Select all that apply	☐ Applicant/entity's water supply will last less than 180 days. ☐ Applicant has received or applied for Federal emergency funding. ☒ None of the above.

Agricultural Efficiency Project?

	☐ Yes ☒ No	
If "Yes," agricultural efficiency improvement achieved by implementing the project: Please provide an attachment showing the basis for your calculation.	☐ <1% ☐ 1%-1.9% ☐ 2%-5.9% ☐ 6%-9.9%	☐ 10%-13.9% ☐ 14%-17.9% ☐ ≥18%

Household Cost Factor			
Household Cost Factor calculated by dividing the service area's average residential water bill by its annual median household income. For regional projects, these should represent the combined service areas of all participating entities.			
Estimated average annual residential water bill:	$120.00	**Annual Median Household Income:**	$34,479.00

The proposed project addresses:	☐ Conservation	☐ Water Loss	☒ N/A

Volume of Water Produced/Conserved (in Acre/Feet per Year)					
Please provide the total water supply project yield of the entire project on an annual basis in acre-feet per year, for each planning decade. A water volume in the 2040 decade, for example, is assumed to come online in or prior to the year 2040 but is a snapshot annual volume for that decade; it is not a sum of the annual use in the decade.					
2020	**2030**	**2040**	**2050**	**2060**	**2070**
275,297	292,402	326,909	361k492	389,250	402,811

Readiness to Proceed Select all that apply	☐ Preliminary planning or design work (30% of total project) has been completed or is not required. ☒ Applicant is prepared to begin implementation or construction within 18 months of application deadline. ☒ Applicant has acquired all water rights associated with the proposed project, or none will be required.

ESTIMATED COSTS

Low-interest Loan	$ 7,500,000
Deferred Loan	$
Board Participation	$
Local Contribution	$
Other:	$
Total Estimated Project Costs	$ 7,500,000

Anticipated Commitments Please attach proposed schedule for multi-year commitments.	☒ One-Time Commitment	☐ Multi-Year Commitments

Anticipated Debt Service Structure Please attach explanation if requesting non-level debt service.	☒ Level	☐ Other Request

LIST OF WATER SYSTEMS SERVED BY THE PROPOSED PROJECT

NAME	PWS ID
Dallas	TX057004

Lancaster	TX0570013

ATTACHMENTS CHECKLIST

☐ Methodology for determining agricultural conservation savings (if applicable)

☐ Proposed multi-year commitment schedule (if applicable)

☐ Proposed debt service structure (if applicable)

SUBMITTAL

Instructions	To submit your Abridged Application via email, please send this form to SWIFT@twdb.texas.gov.
	To submit your Abridged Application using TWDB's Online Loan Application tool, please visit https://ola.twdb.texas.gov.

TWDB Contact Information	If you would like to schedule a meeting to discuss your project with TWDB staff, please contact the Regional Project Development Team for your region: http://www.twdb.texas.gov/financial/programs/swift/regional_project_teams.asp.
	For general SWIFT program inquiries, please email SWIFT@twdb.texas.gov.