



**State Water Implementation  
Fund for Texas**

## Abridged Application

Due February 1, 2019 by 5:00 pm CST

Submit via Email: [SWIFT@twdb.texas.gov](mailto: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
Upper Trinity Regional Water District	Denton	C - Region C

<b>Contact</b> Who should TWDB contact with questions during the review of this submission?	<b>Name</b>	Mr. Larry N. Patterson, P.E.
	<b>Title</b>	Executive Director
	<b>Phone</b>	972-219-1228
	<b>Email</b>	lpatterson@utrwd.com

### PROJECT DESCRIPTION

<b>Project Name</b> As it appears in the state water plan	Lake Ralph Hall and Indirect Reuse of Return Flows from Lake Ralph Hall	
<b>Where can the project be found in the 2016 Regional Water Plan?</b> TWDB Staff will utilize information from both the State and Regional water plans to identify and review the project.	<b>The project is described on page #:</b>	5C.44-5C.45
	<b>The capital cost is listed on page #:</b>	Table Q-52, Pages Q.89-Q.90
<b>Phase(s) Applied For</b>	<input type="checkbox"/> Planning <input checked="" type="checkbox"/> Acquisition <input type="checkbox"/> Design <input type="checkbox"/> Construction	
<b>Population Served When Fully Operational</b>	In 2025, when UTRWD is expected to be delivering water from Lake Ralph Hall UTRWD's service area population is projected to be <b>433,050</b> (per the 2016 Region C Water Plan). It is important to note that in 2070 UTRWD's population is projected to be <b>947,600</b> .	

## 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.

Lake Ralph Hall is a proposed new reservoir by the Upper Trinity Regional Water District (the District) in the Sulphur River Basin on the North Sulphur River in Fannin County, Texas. The primary purpose is for municipal water supply. Water from the project is to be used to meet water demands within that portion of Fannin County that lies in the Sulphur River Basin and within the service area of the District. The proposed lake will provide a firm yield of approximately 30 mgd; and, the project boundary encompasses approximately 12,000 acres.

As a general description, the project elements include:

- constructing an earthen dam
- an intake / pump station
- a state highway bridge over the lake
- relocation of and modifications to various state and county roads
- utility relocations
- raw water transmission pipeline
- balancing reservoir
- environmental and cultural resources mitigation
- reservoir and administration/support facilities

On December 11, 2013 the Texas Commission on Environmental Quality issued Water Use Permit Number 5821 to the District for Lake Ralph Hall; this was the first such permit issued for a new reservoir in Texas in almost 30 years.

On December 6, 2018, the Board of Directors of the District formally and unanimously authorized Staff to submit an abridged application for funding assistance as offered by the Texas Water Development Board (see **Exhibit 1** - Certification of Board Action).

**This critical project is required to meet the future demands of The District's growing service area.**

<b>Emergency</b> Select all that apply	<input type="checkbox"/> Applicant/entity's water supply will last less than 180 days. <input type="checkbox"/> Applicant has received or applied for Federal emergency funding. <input checked="" type="checkbox"/> None of the above.
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Agricultural Efficiency Project?	
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

<b>If "Yes," agricultural efficiency improvement achieved by implementing the project:</b> Please provide an attachment showing the basis for your calculation.	<input type="checkbox"/> <1%	<input type="checkbox"/> 10%-13.9%
	<input type="checkbox"/> 1%-1.9%	<input type="checkbox"/> 14%-17.9%
	<input type="checkbox"/> 2%-5.9%	<input type="checkbox"/> ≥18%
	<input type="checkbox"/> 6%-9.9%	

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.	

<b>Estimated average annual residential water bill:</b>	\$569.40	<b>Annual Median Household Income:</b>	\$96,917.00
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<b>The proposed project addresses:</b>	<input type="checkbox"/> Conservation <input type="checkbox"/> Water Loss <input checked="" type="checkbox"/> N/A
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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
	43,783	49,017	49,385	49,753	50,121

<b>Readiness to Proceed</b> Select all that apply	<input checked="" type="checkbox"/> Preliminary planning or design work (30% of total project) has been completed or is not required. <input checked="" type="checkbox"/> Applicant is prepared to begin implementation or construction within 18 months of application deadline. <input checked="" type="checkbox"/> Applicant has acquired all water rights associated with the proposed project, or none will be required.
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## ESTIMATED COSTS

<b>Low-interest Loan</b>	\$
<b>Deferred Loan</b>	\$
<b>Board Participation</b>	\$ 45,500,000
<b>Local Contribution</b>	\$
<b>Other:</b>	\$
<b>Total Estimated Project Costs</b>	\$ 45,500,000

<b>Anticipated Commitments</b> Please attach proposed schedule for multi-year commitments.	<input type="checkbox"/> One-Time Commitment <input checked="" type="checkbox"/> Multi-Year Commitments
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<b>Anticipated Debt Service Structure</b> Please attach explanation if requesting non-level debt service.	<input type="checkbox"/> Level <input type="checkbox"/> Non-Level Request
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## LIST OF WATER SYSTEMS SERVED BY THE PROPOSED PROJECT

NAME	PWS ID
Town of Argyle (thru Argyle WSC)	Not Applicable
Argyle WSC	TX0610019
City of Aubrey	TX0610001
Town of Bartonville (thru Cross Timbers WSC)	Not Applicable
Bolivar WSC	TX0610049
City of Celina	TX0430003
Town of Copper Canyon (thru Cross Timbers WSC)	Not Applicable
City of Corinth	TX0610065
County-Other	Not Applicable
Town of Cross Roads (thru Mustang SUD)	Not Applicable
Cross Timbers WSC	TX0610020
Denton County FWSD No. 1A	TX0610264
Denton County FWSD No. 7	TX0610228
Denton County FWSD No. 10 (thru Mustang SUD)	TX0610254 TX0610261
Town of Double Oak (thru Cross Timbers WSC)	Not Applicable
Town of Flower Mound	TX0610023
Hickory Creek (thru Lake Cities MUA)	Not Applicable
City of Highland Village	TX0610080
City of Justin	TX0610003
Krugerville (thru Mustang SUD)	Not Applicable
City of Krum	TX0610007
City of Ladonia	TX0740004
Lake Cities MUA	TX0610029
Town of Lakewood Village	TX0610032
Town of Lake Dallas (thru Lake Cities MUA)	Not Applicable
Marilee SUD	TX0910081
Mustang SUD	TX0610036

Town of Northlake	TX0610235
Oak Point (thru Mustang SUD)	Not Applicable
Paloma Creek	TX0610252 TX0610253 TX0610256 TX0610258 TX0610259 TX0610272
City of Pilot Point	TX0610005
Town of Ponder	TX0610039
Town of Prosper	TX0430009
Providence Village WCID	TX0610244
City of Sanger	TX0610006
Town of Shady Shores (thru Lake Cities MUA)	Not Applicable

## ATTACHMENTS CHECKLIST

- Methodology for determining agricultural conservation savings (if applicable)
- Proposed multi-year commitment schedule (if applicable) **EXHIBIT 2**
- Proposed "non-level" debt service structure (if applicable)

## SUBMITTAL

<b>Instructions</b>	To submit your Abridged Application via email, please send this form to <a href="mailto:SWIFT@twdb.texas.gov">SWIFT@twdb.texas.gov</a> .
	To submit your Abridged Application using TWDB's Online Loan Application tool rather than this form, please visit <a href="https://ola.twdb.texas.gov">https://ola.twdb.texas.gov</a> .
<b>TWDB Contact Information</b>	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: <a href="http://www.twdb.texas.gov/financial/programs/swift/regional_project_teams.asp">http://www.twdb.texas.gov/financial/programs/swift/regional_project_teams.asp</a> .
	For general SWIFT program inquiries, please email <a href="mailto:SWIFT@twdb.texas.gov">SWIFT@twdb.texas.gov</a> .

# EXHIBIT 1

SWIFT Abridged Application

Certification of Board Action



P.O. Drawer 305 • Lewisville, TX 75067

(972) 219-1228 • Fax (972) 221-9896

## UPPER TRINITY REGIONAL WATER DISTRICT BOARD OF DIRECTORS

### CERTIFICATION OF BOARD ACTION

#### Agenda Item No. 10

**Consider authorizing Staff to file an “Abridged Application” with the Texas Water Development Board (TWDB) for financial assistance for the Lake Ralph Hall Project.**

On the 6th day of December 2018, during a regularly scheduled and duly posted meeting of the Board of Directors of Upper Trinity Regional Water District, the Board approved to authorizing Staff to file an “Abridged Application” with the Texas Water Development Board (TWDB) for financial assistance for the Lake Ralph Hall Project.

**Tim Fisher made the motion to approve Item No. 10. Seconded by Virginia Blevins.** The vote was 23 Yes, 0 No. Motion passed.

IN WITNESS WHEREOF, I have hereto set my hand and the seal of Upper Trinity Regional Water District, as of January 14, 2019.

[District Seal]

  
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Nancy T. Tam  
Assistant Secretary, Board of Directors  
Upper Trinity Regional Water District



# EXHIBIT 2

SWIFT Abridged Application

Multi-Year Commitment Schedule



## **EXHIBIT 2**

### **SWIFT Abridged Application**

Texas Water Development Board

## **State Water Implementation Fund for Texas (SWIFT)**

Upper Trinity Regional Water District - - Lake Ralph Hall & Lake Ralph Hall Indirect Reuse  
Board Participation Multi-Year Commitment Schedule for Land Acquisition

<b>Land Acquisition</b>	<b>2019</b>	<b>2022</b>	<b>Total Costs</b>
<i>Land Costs</i>	\$ 24,515,000	\$ 12,685,000	\$ 37,200,000
<i>Surveying</i>	2,022,637	867,363	2,890,000
<i>Legal</i>	725,527	494,473	1,220,000
<i>Project Mgmt/Administration</i>	<u>2,739,625</u>	<u>1,450,000</u>	<u>4,189,625</u>
<b>Total Multi-Year Commitment Schedule</b>	<b>\$ 30,000,000</b>	<b>\$ 15,500,000</b>	<b>\$ 45,500,000</b>