



**State Water Implementation
Fund for Texas**

Abridged Application

Due by midnight on February 3, 2020

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 |
|---------------------------------------|--------|------------------------------|
| Upper Trinity Regional Water District | Denton | C - Region C |

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

PROJECT DESCRIPTION

| | | |
|--|---|-----------------------------|
| Project Name As it appears in the state water plan | Lake Ralph Hall and Indirect Reuse of Return Flows from Lake Ralph Hall | |
| Where can the project be found in the 2016 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 #: | 5C.44-5C.45 |
| | The capital cost is listed on page #: | Table Q-52, Pages Q.89-Q.90 |
| Phase(s) Applied For | <input checked="" type="checkbox"/> Planning <input type="checkbox"/> Acquisition <input checked="" type="checkbox"/> Design <input checked="" type="checkbox"/> Construction | |
| Population Served When Fully Operational | In 2025, when UTRWD is expected to be delivering water from Lake Ralph Hall UTRWD's service area population is projected to be 425,779 (per the 2016 Region C Water Plan). It is important to note that in 2070 UTRWD's population is projected to be 940,350 . | |

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 35 mgd and up to an additional 19 mgd of indirect reuse; and, the project boundary and mitigation zones encompasses approximately 15,500 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 February 15, 2017, the U.S. Army Corps of Engineers granted permission under Section 14 (408) of the Rivers and Harbors Act of 1899 to Upper Trinity for the Lake Ralph Hall project.

The Section 404 Permit from the U.S. Army Corps of Engineers is anticipated to be issued by January 31, 2020. See **Exhibit 1** (correspondence from the USACE regarding status.)

On December 5, 2019, 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 2** - Certification of Board Action).

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

| | |
|---|---|
| Emergency 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. |
|---|---|

| Agricultural Efficiency Project? | |
|----------------------------------|--|
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |

| | | |
|--|----------------------------------|------------------------------------|
| If "Yes," agricultural efficiency improvement achieved by implementing the project: 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. | |

| | | | |
|---|----------|--|-----------|
| Estimated average annual residential water bill: | \$718.65 | Annual Median Household Income: | \$100,483 |
|---|----------|--|-----------|

| | |
|--|---|
| The proposed project addresses: | <input type="checkbox"/> Conservation <input type="checkbox"/> Water Loss <input checked="" type="checkbox"/> 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 |
|------|--------|--------|--------|--------|--------|
| | 43,783 | 49,017 | 49,385 | 49,753 | 50,121 |

| | |
|--|---|
| Readiness to Proceed 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. |
|--|---|

ESTIMATED COSTS

| | |
|--------------------------------------|--|
| Low-interest Loan | \$ |
| Deferred Loan | \$ 15,000,000 (One-Time Commitment) |
| Board Participation | \$ 398,000,000 (Multi-Year Commitment) |
| Local Contribution | \$ |
| Other: | \$ |
| Total Estimated Project Costs | \$ 413,000,000 |

| | | |
|---|---|--|
| Anticipated Commitments Please attach proposed schedule for multi-year commitments. | <input checked="" type="checkbox"/> One-Time Commitment | <input checked="" type="checkbox"/> Multi-Year Commitments |
|---|---|--|

| | | |
|--|--------------------------------|--|
| Anticipated Debt Service Structure Please attach explanation if requesting non-level debt service. | <input type="checkbox"/> Level | <input type="checkbox"/> Other Request |
|--|--------------------------------|--|

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 |
| Denton 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 | 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 |
| 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 |
| Town of Providence Village | 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 3**
- 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 . |

EXHIBIT 1

SWIFT Abridged Application

Email from
U.S. Army Corps of Engineers
Regarding Section 404 Permit Status

Ronna Hartt

From: Peter, Chandler J CIV USARMY CESWF (USA) <Chandler.J.Peter@usace.army.mil>
Sent: Friday, January 24, 2020 11:16 AM
To: Michelle Carte
Cc: Ronna Hartt; Ed Motley
Subject: 404 permit for Lake Ralph Hall

Michelle,

Now that I have the 401 water quality certification for the project, I will be finalizing the Record of Decision for the project. This will be completed today. I will then be preparing the actual permit documents and appeals forms. Those should be completed today as well. I will then be able to put those in the mail to you (today or Monday). They will request that, if there is no desire to appeal the permit or its conditions, the 2 permits be signed by the appropriate official and returned to the Fort Worth District office for execution by the decision maker. With overnight mail that could be completed as early as the end of next week.

Let me know if you have any questions concerning this process.

Chandler J. Peter
Regulatory Technical Specialist
Regulatory Division, Fort Worth District
817-886-1736

EXHIBIT 2

SWIFT Abridged Application

Certification of Board Action



**UPPER TRINITY REGIONAL WATER DISTRICT
BOARD OF DIRECTORS**

CERTIFICATION OF BOARD ACTION

Agenda Item No. 16


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 5th day of December 2019, 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.

Bob Hart made the motion to approve Item No. 16. Seconded by Lyle Dresher. The Roll Call Vote was 20 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 10, 2020.

[District Seal]



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



EXHIBIT 3

SWIFT Abridged Application

Commitment Schedules



EXHIBIT 3

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

Deferred Interest - - One-Time Commitment for Planning and Design

| | 2020 | | 2022 | | 2023 | | Total Costs |
|----------------------------------|----------------------|-----------|----------|-----------|----------|-----------|-------------------|
| Planning & Design | \$ 15,000,000 | \$ | - | \$ | - | \$ | 15,000,000 |
| Total One-Time Commitment | \$ 15,000,000 | \$ | - | \$ | - | \$ | 15,000,000 |

Board Participation - - Multi-Year Commitment Schedule for Construction

| | 2020 | | 2022 | | 2023 | | Total Costs |
|---|-----------------------|-----------|--------------------|-----------|-------------------|-----------|--------------------|
| Construction | \$ 200,000,000 | \$ | 150,000,000 | \$ | 48,000,000 | \$ | 398,000,000 |
| Total Multi-Year Commitment Schedule | \$ 200,000,000 | \$ | 150,000,000 | \$ | 48,000,000 | \$ | 398,000,000 |