

Texas Water

Development Board

OLA ID 869852

PIF No. 12579

Entity Name: Central Harris Co Regional WA

Project Name: Luce Bayou Interbasin Transfer

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General Information

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Funding Type: SWIFT

Contact Information

County: Harris

Entity Contact Information	Engineering Firm Contact Information
Name of Entity: Central Harris Co Regional WA	Name of New Entity:
Prefix: Ms.	Prefix: Mr.
First Name: Christina	First Name: Marcel
Last Name: Cole	Last Name: Khouw
Addr 1: 1300 Post Oak Blvd, Suite 1400	Addr 1: 13430 Northwest Fwy, Suite 700
Addr 2:	Addr 2:
City: Houston	City: Houston
State: TX	State: TX
Zip: 77056-3078	Zip: 77040-6091
Phone: (713) 623-4531	Phone: (713) 462-3178
Fax: (713) 623-6143	Fax:
Suffix:	Suffix: P.E.
OrgName:	OrgName:
DeptName:	DeptName:
Title: Attorney for the Authority	Title: Authority Engineer
Email: ccole@sphllp.com	Email: mkhouw@idseg.com
	Firm Name: IDS Engineering Group
Make Changes: Y	Make Changes: Y
No Entity TxWISE Id	No Engineering TxWISE Id

Service Area

Population Served: 42,300

Project Description

Project Name: Luce Bayou Interbasin Transfer

Where can Project be found in the most recent Regional Water Plan?

Project listed on page: : 5-B-CONV-006

Capital costs on page: : 5-B-CONV-006

Region: H - REGION H

Phase(s) Applied For

Planning: Y

Acquisition: N

Design: Y

Construction: Y

Emergency

Applicant/entity's water supply will last less than 180 days.: N

Applicant has received or applied for Federal emergency funding.: N

None of the above.: Y

Agricultural Efficiency Project?: N

Estimated average annual residential water bill: \$524.3

Annual Median Household Income: \$43,550

Project will produce water: Y

Project will conserve water: N

Please provide the volume of water anticipated to be produced or conserved by the project per decade:

2020	2030	2040	2050	2060	2070
450000	450000	450000	450000	450000	450000

Project will address water loss: N

Description of Proposed Project Components: The City of Houston (City) is a major water provider in Region H and will provide treated surface water to numerous municipalities, districts and areas outside of its current corporate limits. Many of these WUGs, as well as a significant amount of the City's own growth in surface water demand, are located in northern and northwestern Harris County. The Northeast Water Purification Plant (NEWPP) on the western edge of Lake Houston is slated to serve the entirety of the surface water that is planned to be required by the North Harris County Regional Water Authority (NHCRWA) and the Central Harris County Regional Water Authority (CHCRWA). In addition, the NEWPP has been identified as the source for future phases of conversion for the West Harris County Regional Water Authority (WHCRWA) and North Fort Bend Water Authority (NFBWA) beginning in 2025. The NEWPP takes its raw water directly from Lake Houston. The City's East Water Purification

Plant

(EWPP) and a group of industries also draw raw water supplies from Lake Houston. By year 2020, demands for this customer base will exceed the City's firm raw water supplies currently available in

Lake Houston.

However, supplies owned by the City in the Trinity River basin in conjunction with other available supplies from the Trinity River Authority are sufficient to meet the demands of this customer base.

The City's permit for Lake Livingston allows for the inter-basin transfer of supply via Luce Bayou.

However, this conveyance system has not yet been constructed. The Luce Bayou project will

supply

Trinity River water to the upstream end of Luce Bayou. From there, the water will flow to and be available from Lake Houston.

Texas Water Development Board

State Water Implementation Fund for Texas (SWIFT)

Abridged Application Regional Project Worksheet

Applicant: Central Harris County Regional Water Authority

Project Name: Luce Bayou Interbasin Transfer

Instructions: List all entities (aside from the applicant) that will be served by the proposed project. Use the "Rural" column to indicate the entities serving populations of 10,000 or fewer.

Press "Tab" to add new rows as needed.

Entity Name	Rural
1. Fallbrook Utility District	Yes
2. Harris County Utility District No. 16	Yes
3. Harris County Municipal Utility District No. 33	Yes
4. Harris County Municipal Utility District No. 150	Yes
5. Harris County Municipal Utility District No. 200	Yes
6. Harris County Municipal Utility District No. 205	Yes
7. Harris County Municipal Utility District No. 215	Yes
8. Harris County Municipal Utility District No. 217	Yes
9. Harris County Municipal Utility District No. 304	Yes
10. Harris County Municipal Utility District No. 399	Yes
11. Rankin Road West Municipal Utility District	Yes

Readiness to Proceed to Construction

Preliminary planning or design work (30% of total project) has been completed or is not required.:
Y

Applicant is prepared to begin implementation or construction within 18 months of application
deadline.: Y

Applicant has acquired all water rights associated with the proposed project, or none will be
required.: Y

Estimated Costs

TWDB Requested Amount

Low-Interest Loan Amount: \$1500000.00

Deferred Loan Amount:

Board Participation Amount:

Local Contribution Amount:

Other Amount:

Other Desc:

Total Estimated Project Costs: \$1500000.00

Anticipated Debt Service for 2018 Loan Closing is anticipated to be:: LEVEL

Submittal

I, Marcel Khouw, Authority Engineer, as the designated authorized representative of the Central Harris Co Regional WA, hereby approve and authorize the submission of this project information form to the Texas Water Development Board. I certify that all information contained herein is true and correct to the best of my knowledge. I understand the failure to submit a complete project information form by the stated deadlines may result in the withdrawal of the form without review.

Submitted by: Marcel Khouw, Authority Engineer

Telephone Number: (832) 590-7293

Submitted date: 2018-02-01 16:24:15.633