

COASTAL WATER AUTHORITY

LUCE BAYOU INTERBASIN TRANSFER PROJECT (LBITP)

*TRANSFERRING WATER FROM THE TRINITY RIVER BASIN
TO THE SAN JACINTO RIVER BASIN (LAKE HOUSTON)*



COASTAL WATER AUTHORITY

- ▶ A Conservation and Reclamation District of the State of Texas Created by Special Act of the Texas Legislature in 1967.
- ▶ Located in Harris, Chambers, and Liberty Counties.
- ▶ Transport and deliver water to Houston, Deer Park and Baytown plus 100 industries along the Houston ship channel.
- ▶ Acquire and construct properties and facilities necessary for these purposes.
- ▶ Board of Directors

4 Directors appointed by the City of Houston Mayor :

D. Wayne Klotz, P.E., President

Tony L. Council, P.E.,

Giti Zarinkelk, P.E.

Joseph Soliz

3 Directors appointed by Texas Governor:

Alan D. Conner-Liberty County

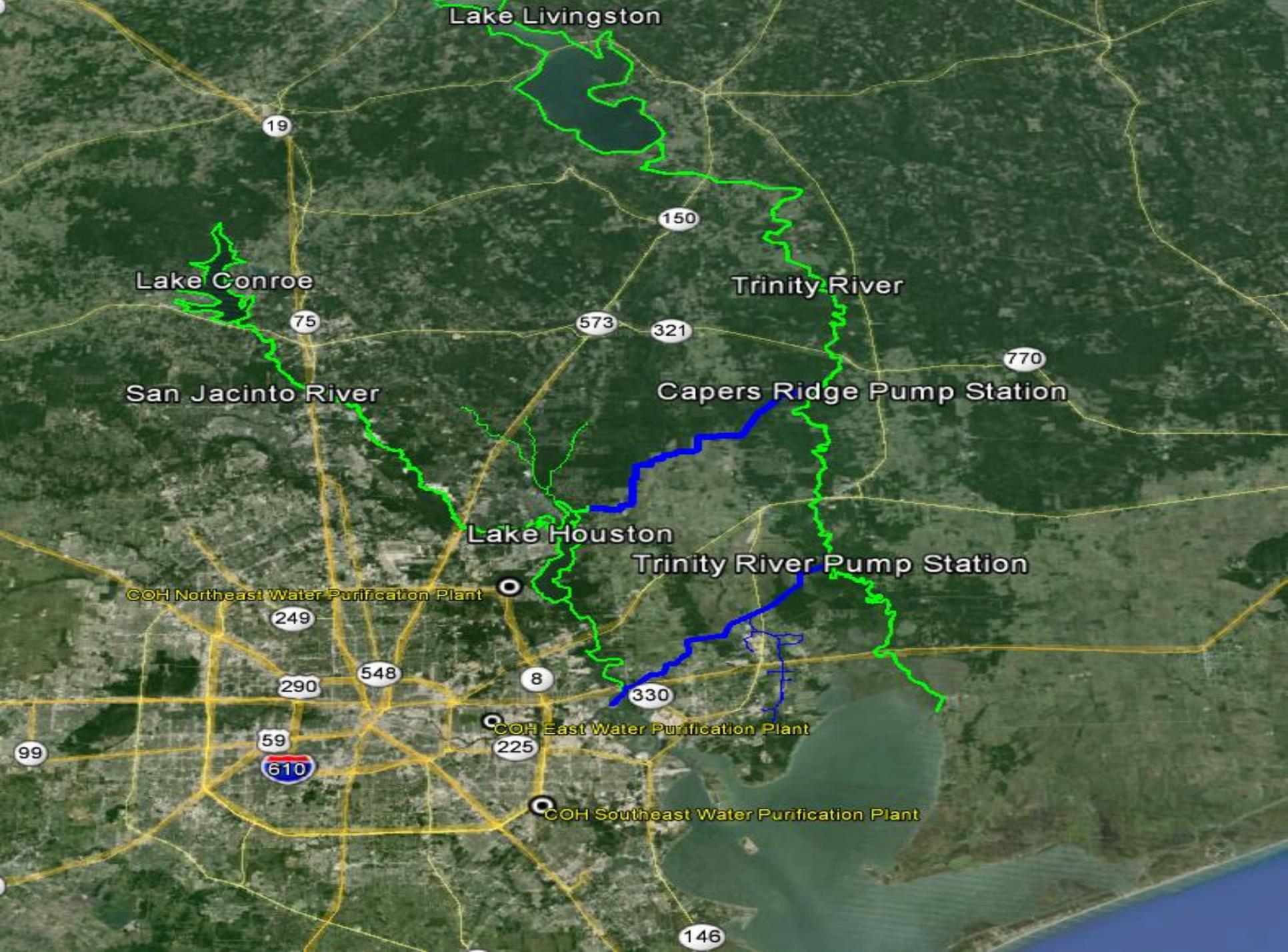
Thomas Reiser-Harris County

Douglas E. Walker-Chambers County

LUCE BAYOU INTERBASIN TRANSFER PROJECT

PROJECT BACKGROUND

- ▶ Increased Need for Surface Water - Population Growth and Reduction of Groundwater Use
- ▶ Water Supply Project to transfer water from the Trinity River to Lake Houston
- ▶ Water will be treated by City of Houston NEWPP and then distributed to Regional Water Authorities in North Harris County, West Harris County and North Ft. Bend County
- ▶ Permitting began in 2009 and the Section 404 Permit was Issued by USACE in February 2014
- ▶ Project Required to be delivered by June 2019
- ▶ Total Project Cost \$381 Million (Estimated)
- ▶ Funding – Texas water Development Board – State Water Implementation Fund for Texas



Lake Livingston

19

Lake Conroe

75

150

Trinity River

573

321

San Jacinto River

Capers Ridge Pump Station

770

Lake Houston

Trinity River Pump Station

COH Northeast Water Purification Plant

249

548

8

330

COH East Water Purification Plant

225

COH Southeast Water Purification Plant

99

59

610

146

LUCE BAYOU INTERBASIN TRANSFER PROJECT

PARTICIPANTS

- ▶ COASTAL WATER AUTHORITY
- ▶ TEXAS WATER DEVELOPMENT BOARD

CO-PARTICIPANTS

- ▶ CITY OF HOUSTON
- ▶ NORTH HARRIS COUNTY REGIONAL WATER AUTHORITY
- ▶ WEST HARRIS COUNTY REGIONAL WATER AUTHORITY
- ▶ CENTRAL HARRIS COUNTY REGIONAL WATER AUTHORITY
- ▶ NORTH FORT BEND REGIONAL WATER AUTHORITY

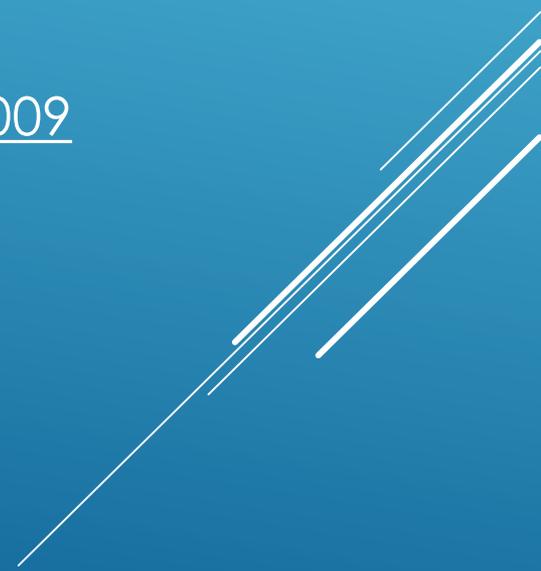
LUCE BAYOU INTERBASIN TRANSFER PROJECT

PROJECT ELEMENTS

- ▶ Capers Ridge Pump Station – 400 MGD Capacity
- ▶ Dual 96-inch Dia. Pipelines – 3 miles
- ▶ Earthen Canal – 23.6 miles
- ▶ Access Road – 5 miles
- ▶ Canal Maintenance Station
- ▶ 138 kV Electrical Service
- ▶ Canal Outfall into lower reaches of Luce Bayou, which flows into northeastern corner of Lake Houston

Luce Bayou Interbasin Transfer Project

FINANCING

- ▶ \$300,000,000.00 SWIFT funding Approved in 2015
 - ▶ \$ 28,754,000.00 TWDB State Participation 2013
 - ▶ \$ 5,115,000.00 TWDB WIF Program 2010
 - ▶ \$ 28,000,000.00 TWDB WIF Program 2009
 - ▶ \$ 18,852,000.00 Co-Participants Funding 2009
 - ▶ \$380,721,000.00 TOTAL COST (Estimated)
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Luce Bayou Interbasin Transfer Project

SWIFT FUNDING - \$300,000,000.00

- ▶ \$276,740,000.00 Board Participation
 - ▶ \$ 23,260,000.00 WIF Financing
 - ▶ \$300,000,000.00 TOTAL SWIFT Funding
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Luce Bayou Interbasin Transfer Project

BOARD PARTICIPATION PROGRAM

- ▶ 80/20 Percent split on utilization of this financing option
- ▶ TWDB is stakeholder in project along with Coastal Water Authority

WATER INFRASTRUCTURE FUND

- ▶ Rates based upon TWDB Financing in 2017



Luce Bayou Interbasin Transfer Project

