



San Jacinto River Authority

**Board of Directors Meeting
July 22, 2021**



San Jacinto River Authority

AGENDA

**SAN JACINTO RIVER AUTHORITY BOARD OF DIRECTORS
NOTICE OF PUBLIC MEETING
THURSDAY, JULY 22, 2021 - 8:00 A.M.
PUBLICLY ACCESSIBLE WEBINAR/TELEPHONE CONFERENCE**

Notice is hereby given to all interested members of the public that the Board of Directors of the San Jacinto River Authority will hold a regular publicly accessible meeting **via webinar / telephone conference call** pursuant to Texas Government Code, Section 551.125, as amended, and as modified by the temporary suspension of various provisions thereof effective March 16, 2020, by the Governor of Texas in accordance with the Texas Disaster Act of 1975, all as related to the Governor's proclamation on March 13, 2020, as renewed, certifying that the COVID-19 pandemic poses an imminent threat of disaster and declaring a state of disaster for all counties in Texas.

If you choose to participate via the webinar link below, you WILL have the opportunity to provide comments during the designated portion of the meeting.

Webinar Link: <https://attendee.gotowebinar.com/register/1633278759721177103>

After registering, you will receive a confirmation email containing information about joining the webinar.

If you choose to participate via the [GoToWebinar App](#), you WILL have the opportunity to provide comments during the designated portion of the meeting.

Please use Webinar ID: [950-202-179](#)

If you choose to participate in the meeting via the conference call number below, you will NOT have the opportunity to provide comments during the designated portion of the meeting. The conference call phone number is provided for LISTENING PURPOSES ONLY.

Telephone conference call phone number:

[+1 \(562\) 247-8321](#) and the audio access code is [583-054-886](#)

All members of the public may participate in the meeting via webinar, Webinar App, or telephone conference call (listen only option).

- 1. CALL TO ORDER**
- 2. PLEDGES OF ALLEGIANCE**
- 3. PUBLIC COMMENTS (3 minutes per speaker)**

4. **DIVISION UPDATES** - Receive updates from Operational Divisions and the General & Administration Division related to ongoing projects, staff reports, or items on the consent agenda.
 - a. **G & A:** Jace Houston, General Manager
 - b. **G & A:** Heather Ramsey Cook, Director of Communications and Public Affairs
 - c. **G & A:** Tom Michel, Director of Finance and Administration
 - d. **Woodlands:** Chris Meeks, Utility Enterprise O&M Manager
 - e. **GRP:** Chris Meeks, Utility Enterprise O&M Manager
 - f. **Lake Conroe:** Bret Raley, Lake Conroe Division Manager
 - g. **Highlands:** Jay Smith, Highlands Division Manager
 - h. **Flood Management:** Matt Barrett, Flood Management Division Manager
5. **CONSENT AGENDA** - This agenda consists of ministerial or "housekeeping" items required by law, such as routine bids, contracts, purchases, resolutions, and orders; items previously approved by Board action, such as adoption of items that are part of an approved budget or capital improvement projects, interlocal agreements, or action which is required by law or delegated to the General Manager; and items of a non-controversial nature. These items will be considered by a single motion unless removed and placed on the Regular Agenda for individual consideration at the request of any Director.

G&A

- a. **Approval of Minutes** - Regular Meeting of June 24, 2021.
- b. **Unaudited Financials**

Consider approval of the unaudited financials for the month of June, 2021.

- c. **Resolution - Authorized Signatories**

Consider adoption of a resolution designating the authorized signatories for all Authority financial transactions with the authorized depository banks and any other financial institutions in order to execute necessary financial transactions to conduct the Authority's financial business.

WOODLANDS

- d. **Work Order No. 1 - Woodlands Water System 20-Year CIP Plan**

Consider authorizing the General Manager to execute Work Order No. 1 for Woodlands Water System 20-Year CIP Plan for The Woodlands.

RAW WATER ENTERPRISE

- e. **Contract - Texas Water Development Board for Regional Water Planning**

Consider authorizing the General Manager to negotiate and execute a contract with the Texas Water Development Board (TWDB) for grant funding from the Regional Water Planning Grant on behalf of the Region H Water Planning Group.

f. Construction Contract - Lake Conroe Dam Electrical Rehabilitation

Consider authorizing the General Manager to execute a construction contract for Lake Conroe Dam Electrical Rehabilitation.

6. REGULAR AGENDA - This agenda consists of items requiring individual consideration by the Board of Directors.

G&A

a. Professional Consulting Services Agreement - Enterprise Resource Planning Software Selection and Advisory Services

Consider authorizing the General Manager to negotiate and execute a Professional Consulting Services Agreement for Enterprise Resource Planning Software Selection and Advisory Services.

RAW WATER ENTERPRISE

b. Interlocal Agreement - Harris County Flood Control District and Harris County

Consider authorizing the General Manager to negotiate and execute an Interlocal Agreement with Harris County Flood Control District and Harris County regarding transfer of property and other activities related to Highlands Reservoir.

FLOOD MANAGEMENT

c. Resolution - Texas Water Development Board Grant Funding for Lake Conroe - Lake Houston Joint Reservoir Operations Study

Consider adoption of a resolution authorizing the General Manager to negotiate and execute an agreement with the Texas Water Development Board for grant funding from the Flood Infrastructure Fund for the Lake Conroe - Lake Houston Joint Reservoir Operations Study.

d. Resolution - Texas Water Development Board Grant Funding for Upper San Jacinto River Basin Regional Sedimentation Study

Consider adoption of a resolution authorizing the General Manager to negotiate and execute an agreement with the Texas Water Development Board for grant funding from the Flood Infrastructure Fund for the Upper San Jacinto River Basin Regional Sedimentation Study.

e. Resolution - Texas Water Development Board Grant Funding for Spring Creek Watershed Flood Control Dams Conceptual Engineering Feasibility Study

Consider adoption of a resolution authorizing the General Manager to negotiate and execute an agreement with the Texas Water Development Board for grant funding from the Flood Infrastructure Fund for the Spring Creek Watershed Flood Control Dams Conceptual Engineering Feasibility Study.

f. Escrow Agreement - Texas Water Development Board Grant Funding for Lake Conroe - Lake Houston Joint Reservoir Operations Study

Consider authorizing the General Manager to conclude and execute an escrow agreement related to Texas Water Development Board grant funding from the Flood Infrastructure Fund for the Lake Conroe - Lake Houston Joint Reservoir Operations Study.

g. Escrow Agreement - Texas Water Development Board Grant Funding for Upper San Jacinto River Basin Regional Sedimentation Study

Consider authorizing the General Manager to conclude and execute an escrow agreement related to Texas Water Development Board grant funding from the Flood Infrastructure Fund for the Upper San Jacinto River Basin Regional Sedimentation Study.

h. Escrow Agreement - Texas Water Development Board Grant Funding for Spring Creek Watershed Flood Control Dams Conceptual Engineering Feasibility Study

Consider authorizing the General Manager to conclude and execute an escrow agreement related to Texas Water Development Board grant funding from the Flood Infrastructure Fund for the Spring Creek Watershed Flood Control Dams Conceptual Engineering Feasibility Study.

7. BRIEFINGS AND PRESENTATIONS

- a. Presentation regarding the Fiscal Year 2022 Operating Budgets.
- b. Presentation regarding the proposed Fiscal Year 2022 rates for the Woodlands Division customers.
- c. Presentation regarding the proposed Calendar Year 2022 rates for Raw Water customers.

8. EXECUTIVE SESSION - If necessary, the Board of Directors will adjourn to Closed Session at this point in the meeting to consider the following items; however, the Board of Directors reserves the right to adjourn to Closed Session at any time during the course of this meeting as allowed by law.

- a. Discussion regarding items identified elsewhere on the agenda pursuant to Texas Government Code Sections 551.071 (Consultation with Attorney), 551.072 (Real Property), 551.073 (Prospective Gifts), 551.074 (Personnel Matters), or 551.076 (Security Devices), as applicable.
- b. Consultations with attorney, pursuant to Texas Government Code, Section 551.071 regarding:
 - 1. Litigation related to Hurricane Harvey, including additional legal services to be provided by Hunton Andrews Kurth, LLP; and
 - 2. Expedited Declaratory Judgement Act litigation and other litigation related to GRP; and
 - 3. Pending litigation styled *Lake Conroe Assn., et. al. v. City of Houston and San Jacinto River Authority*, Cause No. 21-03-04382, in the 284th District Court, Montgomery County, Texas.

9. RECONVENE IN OPEN SESSION - The Board of Directors will reconvene in Open Session at this point in the meeting and, if necessary, take action on any agenda item discussed in Closed Session and/or identified below.

10. ANNOUNCEMENTS / FUTURE AGENDA

The next San Jacinto River Authority Regular Board Meeting will be August 26, 2021.

11. ADJOURN

Persons with disabilities who plan to participate in the meeting and would like to request auxiliary aids or services are requested to contact Cynthia Bowman at (936) 588-3111 at least three business days prior to the meeting so that appropriate arrangements can be made.



Item No.	Agenda Item	Date
5a	Consider approval of minutes from the Board of Directors meeting of June 24, 2021.	07/22/2021

BACKGROUND INFORMATION

STRATEGIC GOAL: Goal 1: Engaged Board of Directors

FUNDING SOURCE: N/A

ATTACHMENTS: Minutes

RECOMMENDED ACTION

Approve the minutes of the June 24, 2021, Board of Directors meeting.



Item No.	Agenda Item	Date
5b	Consider approval of the unaudited financials for the month of June, 2021.	07/22/2021

BACKGROUND INFORMATION

The monthly unaudited financial statements are intended to keep the Board of Directors apprised of the ongoing financial condition of the Authority.

The monthly statements include Financial Highlights, Schedules of Revenues and Expenses (Actual and Budget), Unaudited Balance Sheet, Unaudited Statement of Revenues and Expenses (Summary), and Schedule of Investments.

STRATEGIC GOAL: Goal 1: Engaged Board of Directors

FUNDING SOURCE: N/A

ATTACHMENTS: Unaudited Financials

RECOMMENDED ACTION

Approve the unaudited financial statements for the month of June, 2021.



Item No.	Agenda Item	Date
5c	Consider adoption of a resolution designating the authorized signatories for all Authority financial transactions with the authorized depository banks and any other financial institutions in order to execute necessary financial transactions to conduct the Authority's financial business.	07/22/2021

BACKGROUND INFORMATION

Some banking institutions require that a resolution be duly adopted by an entity naming certain persons to be authorized to execute documents related to financial accounts. This item will authorize the following ten (10) individuals to sign checks and other banking instruments on behalf of the Authority.

- | | |
|------------------------|---------------------|
| 1. Ronnie Anderson | 6. Ed Shackelford |
| 2. Charles E. Boulware | 7. Wayne Owen |
| 3. Jace A. Houston | 8. Patricia Daniels |
| 4. Tom Michel | 9. Pam J. Steiger |
| 5. Heather Ramsey Cook | 10. Jamye Lewis |

STRATEGIC GOAL: Goal 6: High Performance Administration

FUNDING SOURCE: N/A

ATTACHMENTS: Banking Resolution

RECOMMENDED ACTION

Adopt a resolution designating the authorized signatories for all Authority financial transactions with the authorized depository banks and any other financial institutions in order to execute necessary financial transactions to conduct the Authority's financial business.



Item No.	Agenda Item	Date
5d	Consider authorizing the General Manager to execute Work Order No. 1 for Woodlands Water System 20-Year CIP Plan for The Woodlands	07/22/2021

BACKGROUND INFORMATION

Firm Name: Lockwood, Andrews & Newnam, Inc.

Project: Woodlands Water System 20-Year CIP Plan

Type of Services: Professional Engineering Services

Type of Agreement: Professional Services Work Order Agreement (Contract No. 21-0044-01)

Project Description:

The SJRA Woodlands Division owns, operates and maintains five (5) groundwater plants with nine (9) ground storage tanks, six (6) elevated storage tanks, eleven (11) pressure regulating valve facilities, and over 126 miles of water lines. This infrastructure includes facilities and lines that were constructed throughout the history of The Woodlands, starting in 1973. As part of the SJRA Woodlands Division’s asset management strategy, a condition assessment of all of the water system assets (minus the groundwater wells) will be conducted to develop a long-range plan for renewal of the system. The analysis will utilize record information and condition reports to determine the current and projected future condition of each of the assets which will determine each asset’s criticality. The deliverables include an asset renewal plan for a twenty year period from FY2023-2042. This plan will provide guidance for future maintenance or renewal of water system assets.

Work Order No. 1 provides for all labor and materials required to develop the SJRA Woodlands Division Water System 20-Year CIP Plan.

Key Deliverable(s):	Due Date(s):
Twenty-Year CIP Plan Spreadsheets	November 1, 2021
Twenty-Year CIP Plan Tech Memo (Draft)	January 10, 2022
Twenty-Year CIP Plan Tech Memo (Final)	January 31, 2022

Type of Compensation/Amount: Cost Plus Multiplier with Not-to-Exceed/\$99,900.00

Total Amount: \$99,900.00

Anticipated Completion Date: January 31, 2022

STRATEGIC PLAN: Goal 2: Operational Excellence

FUNDING SOURCE: R&R Fund

ATTACHMENTS: Map, Work Order No. 1, Scope, Level of Effort, Schedule

RECOMMENDED ACTION

Authorize the General Manager to execute Work Order No. 1 in an amount not to exceed \$99,900.00 with Lockwood, Andrews & Newnam, Inc., for Woodlands Water System 20-Year CIP Plan for The Woodlands.



Item No.	Agenda Item	Date
5e	Consider authorizing the General Manager to negotiate and execute a contract with the Texas Water Development Board (TWDB) for grant funding from the Regional Water Planning Grant on behalf of the Region H Water Planning Group.	07/22/2021

BACKGROUND INFORMATION

In 1997, the 75th Texas Legislature adopted comprehensive water planning legislation that put in place a “bottom up” planning process whereby 16 regional planning groups create 50-year regional water plans that form the basis for the state water plan. These plans identify water needs, water supplies, and water strategies on a 50-year planning horizon. Both the regional and state plans are reviewed and updated every five years. For our area, Region H is the local planning group. Region H is about to embark on the sixth cycle of regional water planning which will result in the development of the 2026 Regional Water Plan.

The Region H Water Planning Group does not have the ability to contract directly either with TWDB for the grant funds or with a consultant for assistance with the development of the regional water plan. As such, the Region H Water Planning Group selects one of its members who is willing to serve as the political subdivision on behalf of the group to execute said contracts. In September 2020, the Region H Water Planning Group selected SJRA to serve as that political subdivision. SJRA has successfully served in this capacity for the past several regional water plans.

As the political subdivision for Region H, one of the responsibilities of SJRA is submitting a grant application and negotiating the grant contract with TWDB to receive funding for the consultant services associated with the development of the 2026 Regional Water Plan. SJRA successfully submitted the grant application in the spring of 2021, received and negotiated the grant contract terms with TWDB, and is now bringing this contract to the SJRA Board for approval to execute.

Following approval of this item to execute the grant contract and direction from the Region H Water Planning Group, SJRA staff will bring subsequent request(s) to the SJRA Board for execution of any consultant contracts associated with these grant funds.

STRATEGIC GOAL: Goal 3: Water Resource Leadership

FUNDING SOURCE: N/A

ATTACHMENTS: Draft Contract

RECOMMENDED ACTION

Authorize the General Manager to negotiate and execute a contract with the Texas Water Development Board (TWDB) for grant funding from the Regional Water Planning Grant on behalf of the Region H Water Planning Group.



Item No.	Agenda Item	Date
5f	Consider authorizing the General Manager to execute a construction contract for Lake Conroe Dam Electrical Rehabilitation.	07/22/2021

BACKGROUND INFORMATION

Firm Name: Boyer, Inc.

Project: Lake Conroe Dam Electrical Rehabilitation

Type of Services: Construction

Type of Agreement: Standard Construction Agreement
(Contract No. 21-0049)

Project Description:

The Lake Conroe Dam structure was completed in 1973 and has since undergone minimal improvements to its electrical panels, wiring, conductors and related appurtenances. SJRA SCADA I&C staff conducted an internal inspection beneath the main spillway gate houses and identified significant degradation and damage to electrical wiring and conduit that warranted replacement. Subsequent inspections of remaining spillway electrical systems determined the need for additional improvements. The project includes removal of old electrical equipment and installation of new equipment including, but not necessarily limited to, conduit, wiring, panels, conductors, custom wire ways, tray cables for junction boxes. Any shutdown of power at the Lake Conroe Dam will be coordinated and planned with SJRA Lake Conroe Division staff to ensure continued operation of the dam. These efforts are required to ensure the continued safety of SJRA staff and reliability of the electrical infrastructure at the Lake Conroe Dam spillway.

No. Proposals Received/Proposal Receipt Date: Four (4) / June 25, 2021

Highest Ranked Offeror: Boyer, Inc.
Second Ranked Offeror: The Brandt Companies, LCC.
Third Ranked Offeror: PLC Construction.

Engineer: Kalluri Group, Inc.

Proposal Amount: \$127,223.00

Engineer's Estimate: \$104,854.00

Contract Days: 98 Calendar Days

STRATEGIC GOAL: Goal 2: Operational Excellence

FUNDING SOURCE: R&R Fund

ATTACHMENTS: Map, Summary, Agreement, Proposal

RECOMMENDED ACTION

Authorize the General Manager to execute a construction contract in the amount of \$127,223.00 with Boyer, Inc, for Lake Conroe Dam Electrical Rehabilitation.



Item No.	Agenda Item	Date
6a	Consider authorizing the General Manager to negotiate and execute a Professional Consulting Services Agreement for Enterprise Resource Planning Software Selection and Advisory Services.	07/22/2021

BACKGROUND INFORMATION

Firm Name: Panorama Government Solutions

Project: Enterprise Resource Planning Software

Type of Services: Selection and Advisory Services

Type of Agreement: Professional Consulting Services Agreement
(Contract No. 21-0015)

Project Description:

Due to changes coming soon to SJRA’s main software systems, we are in need of major updates/upgrades to our current financial and administrative support software systems. RFP 21-0015 was issued for professional consulting services to assist SJRA in the selection of an Enterprise Resource Planning (ERP) software system. The consultant will provide an unbiased needs assessment, objective evaluation of SJRA processes, assistance in developing the ERP software RFP, coordination of software demonstrations, evaluation of submitted ERP proposals, and assistance in contract negotiations.

A selection team representing the divisions/departments ranked the nine received proposals and selected the top four proposals for in-depth interviews. Final evaluation and scoring, which included costs, resulted in Panorama Government Solutions being the top ranked proposal.

- | | |
|-----------------------------------|---------------------------------|
| 1) Panorama Government Solutions: | Score: 112 Pts. Cost: \$150,290 |
| 2) SDI Presence LLC | Score: 109 Pts. Cost: \$84,975 |
| 3) BerryDunn | Score: 107 Pts. Cost: \$159,850 |
| 4) SoftResources LLC | Score: 102 Pts. Cost: \$114,601 |

During negotiations with Panorama, SJRA determined that an additional element of a formal change management process would be beneficial and requested Panorama include it in their proposal, increasing their proposed cost from an original amount of \$124,231 to \$150,290.

STRATEGIC GOAL: Goal 2: Operational Excellence

FUNDING SOURCE: Cash – G&A Repair and Replacement Fund

ATTACHMENTS: Professional Consulting Services Agreement

RECOMMENDED ACTION

Authorize the General Manager to negotiate and execute a Professional Consulting Services Agreement with Panorama Government Solutions in the amount of \$150,290, for Enterprise Resource Planning Software Selection and Advisory Services.



Item No.	Agenda Item	Date
6b	Consider authorizing the General Manager to negotiate and execute an Interlocal Agreement with Harris County Flood Control District and Harris County regarding transfer of property and other activities related to Highlands Reservoir.	07/22/2021

BACKGROUND INFORMATION

SJRA has coordinated with Harris County Flood Control District (HCFCD) and Harris County (the County) regarding related projects planned by HCFCD and the County that would alleviate repetitive flooding in the Highlands Mobile Estates neighborhood immediately north of the Highlands Reservoir. In order to accommodate these projects, SJRA’s existing northern reservoir levee must be relocated approximately 250 feet to the south, and a portion of SJRA’s Highlands Reservoir property must be transferred to HCFCD. HCFCD performed a study evaluating multiple alternative concepts, with SJRA input, in order to determine the most efficient and effective project to accomplish its flood mitigation goals. This interlocal agreement provides for the transfer of property from SJRA to HCFCD, in exchange for improvements and accommodations from HCFCD and the County that are beneficial to SJRA Highlands Division operations and maintenance. In addition to providing benefits to the Highlands Division, this agreement will also allow SJRA to further Flood Management Division goals of providing flood mitigation solutions in the San Jacinto River Basin through regional partnerships. The following is a general summary of the items to be provided and received by SJRA:

SJRA Provides:

1. Approximately 93 acres of property to HCFCD in fee, including approximately 24 acres upon which HCFCD has existing easement; SJRA will retain easements to access and maintain/improve its infrastructure in this area
2. Allowing relocation of northern reservoir levee
3. Temporary construction easements to accommodate HCFCD and County construction efforts
4. Long-term maintenance of a new all-weather access road to SJRA’s Siphon 23
5. Accommodation of a flood mitigation project

SJRA Receives:

1. New all-weather access road from northern reservoir access road to SJRA’s Siphon 23
2. Easement needed along SJRA Bypass Canal to accommodate planned improvements, maintenance, etc.
3. New access to northeastern portion of reservoir
4. Improved material stockpile
5. Point discharge elimination assistance
6. Elimination of existing SJRA easement along drainage ditch which provides no value to SJRA

STRATEGIC GOAL: Goal 3: Water Resource Leadership

FUNDING SOURCE: N/A

ATTACHMENTS: Map, Draft Interlocal Agreement

RECOMMENDED ACTION

Authorize the General Manager to negotiate and execute an Interlocal Agreement with Harris County Flood Control District and Harris County regarding transfer of property and other activities related to Highlands Reservoir.



Item No.	Agenda Item	Date
6c	Consider adoption of a resolution authorizing the General Manager to negotiate and execute an agreement with the Texas Water Development Board for grant funding from the Flood Infrastructure Fund for the Lake Conroe - Lake Houston Joint Reservoir Operations Study.	07/22/2021

BACKGROUND INFORMATION

Texas Water Development Board (TWDB) has awarded grant funding from the Flood Infrastructure Fund (FIF) to perform a joint reservoir operations study for Lake Conroe and Lake Houston.

The City of Houston is currently completing preliminary design of a project to add additional spillway gates at the Lake Houston dam to increase the controlled release capacity of the dam. In anticipation of the City completing these preliminary design efforts in 2021, SJRA is proposing to proceed with this study. The study will develop a joint reservoir operations and communications strategy for both Lake Conroe and Lake Houston, with the goal of determining the most efficient and safe operation of the two reservoirs in series. The project is planned to include evaluation of synced operations protocols, joint notification protocols and public communication strategies, pre-releases and related impacts on water supply, and the use of forecasting tools. The cost of the project is estimated at \$1,000,000.

The City of Houston and the City of Humble (the Partners) have each agreed to fund a portion of the fifty percent local match (\$500,000) required by the FIF grant. SJRA will perform in-kind services in an effort to reduce the local match amount to be funded by the Partners. The remaining fifty percent (\$500,000) of the project cost will be funded by TWDB FIF grant funds. This agreement between SJRA and TWDB provides for those grant funds.

STRATEGIC GOAL: Goal 3: Water Resource Leadership

FUNDING SOURCE: N/A

ATTACHMENTS: Map, Resolution, Draft Grant Agreement

RECOMMENDED ACTION

Adopt a resolution authorizing the General Manager to negotiate and execute an agreement with the Texas Water Development Board for grant funding from the Flood Infrastructure Fund for the Lake Conroe - Lake Houston Joint Reservoir Operations Study.



Item No.	Agenda Item	Date
6d	Consider adoption of a resolution authorizing the General Manager to negotiate and execute an agreement with the Texas Water Development Board for grant funding from the Flood Infrastructure Fund for the Upper San Jacinto River Basin Regional Sedimentation Study.	07/22/2021

BACKGROUND INFORMATION

Texas Water Development Board (TWDB) has awarded grant funding from the Flood Infrastructure Fund (FIF) to SJRA to perform a regional sedimentation study of the Upper San Jacinto River Basin (Lake Houston Watershed).

The Upper San Jacinto River Basin Regional Sedimentation Study will identify the sub-watersheds in the basin that produce and store the most sediment. With this information, sub-watersheds and individual locations can be prioritized for improvements, and conceptual solutions and non-construction best management practices can be developed and analyzed. The goal of these efforts is to reduce sediment inputs and/or enhance sediment storage to mitigate the loss of floodway conveyance. All identified projects, efforts, and practices will be ranked and included in an implementation plan, and ultimately all information developed as part of this project will be compiled into a regional sediment management plan which can guide future sedimentation mitigation efforts. The cost of the project is estimated at \$750,000.

The City of Houston, the City of Humble, and Harris County Flood Control District (the Partners) have each agreed to fund a portion of the fifty percent local match (\$375,000) required by the FIF grant. SJRA will perform in-kind services in an effort to reduce the local match amount to be funded by the Partners. The remaining fifty percent (\$375,000) of the project cost will be funded by TWDB FIF grant funds. This agreement between SJRA and TWDB provides for those grant funds.

STRATEGIC GOAL: Goal 3: Water Resource Leadership

FUNDING SOURCE: N/A

ATTACHMENTS: Map, Resolution, Draft Grant Agreement

RECOMMENDED ACTION

Adopt a resolution of the San Jacinto River Authority Board of Directors authorizing the General Manager to negotiate and execute an agreement with the Texas Water Development Board for grant funding from the Flood Infrastructure Fund for the Upper San Jacinto River Basin Regional Sedimentation Study.



Item No.	Agenda Item	Date
6e	Consider adoption of a resolution authorizing the General Manager to negotiate and execute an agreement with the Texas Water Development Board for grant funding from the Flood Infrastructure Fund for the Spring Creek Watershed Flood Control Dams Conceptual Engineering Feasibility Study.	07/22/2021

BACKGROUND INFORMATION

Texas Water Development Board (TWDB) has awarded grant funding from the Flood Infrastructure Fund (FIF) to SJRA for a continuation of the Spring Creek Siting Study, a sub-task of the San Jacinto Regional Watershed Master Drainage Plan project (SJMDP) led by the Harris County Flood Control District (HCFCD) with SJRA as one of multiple partners.

The Spring Creek Siting Study explored multiple alternative projects and detention siting locations to provide flood mitigation benefits to the Spring Creek watershed. Two of the more cost-effective alternatives identified in the Spring Creek watershed – dams on Walnut Creek and Birch Creek – were recommended for implementation in the SJMDP.

This project will include a conceptual-level design for each of the two dams, as well as definition of benefits and costs for each dam and a combination of the two dams. The outcome of this study will allow project sponsors to determine the most feasible and economical alternative(s) for design and construction. The cost of the project is estimated at \$1,000,000.

The City of Humble, HCFCD, and five (5) Municipal Utility Districts (the Partners) have each agreed to fund a portion of the fifty percent local match (\$500,000) required by the FIF grant. SJRA will perform in-kind services in an effort to reduce the local match amount to be funded by the Partners. The remaining fifty percent (\$500,000) of the project cost will be funded by TWDB FIF grant funds. This agreement between SJRA and TWDB provides for those grant funds.

STRATEGIC GOAL: Goal 3: Water Resource Leadership

FUNDING SOURCE: N/A

ATTACHMENTS: Map, Resolution, Draft Grant Agreement

RECOMMENDED ACTION

Adopt a resolution of the San Jacinto River Authority Board of Directors authorizing the General Manager to negotiate and execute an agreement with the Texas Water Development Board for grant funding from the Flood Infrastructure Fund for the Spring Creek Watershed Flood Control Dams Conceptual Engineering Feasibility Study.



Item No.	Agenda Item	Date
6f	Consider authorizing the General Manager to conclude and execute an escrow agreement related to Texas Water Development Board grant funding from the Flood Infrastructure Fund for the Lake Conroe - Lake Houston Joint Reservoir Operations Study.	07/22/2021

BACKGROUND INFORMATION

Texas Water Development Board (TWDB) has awarded grant funding from the Flood Infrastructure Fund (FIF) to perform a joint reservoir operations study for Lake Conroe and Lake Houston.

The City of Houston is currently completing preliminary design of a project to add additional spillway gates at the Lake Houston dam to increase the controlled release capacity of the dam. In anticipation of the City completing these preliminary design efforts in 2021, SJRA is proposing to proceed with this study. The study will develop a joint reservoir operations and communications strategy for both Lake Conroe and Lake Houston, with the goal of determining the most efficient and safe operation of the two reservoirs in series. The project is planned to include evaluation of synced operations protocols, joint notification protocols and public communication strategies, pre-releases and related impacts on water supply, and the use of forecasting tools. The cost of the project is estimated at \$1,000,000.

The City of Houston and the City of Humble (the Partners) have each agreed to fund a portion of the fifty percent local match (\$500,000) required by the FIF grant. SJRA will perform in-kind services in an effort to reduce the local match amount to be funded by the Partners. The remaining fifty percent (\$500,000) of the project cost will be funded by TWDB FIF grant funds. Per the grant funding agreement with TWDB, these grant funds will be deposited into an escrow account established by SJRA, and released to SJRA when authorized by TWDB based on project expenses incurred. This agreement between SJRA and Amegy Bank provides for the establishment of the required escrow account.

STRATEGIC GOAL: Goal 3: Water Resource Leadership

FUNDING SOURCE: N/A

ATTACHMENTS: Map, TWDB Escrow Agreement Template

RECOMMENDED ACTION

Authorize the General Manager to conclude and execute an escrow agreement with Amegy Bank related to Texas Water Development Board grant funding from the Flood Infrastructure Fund for the Lake Conroe - Lake Houston Joint Reservoir Operations Study.



Item No.	Agenda Item	Date
6g	Consider authorizing the General Manager to conclude and execute an escrow agreement related to Texas Water Development Board grant funding from the Flood Infrastructure Fund for the Upper San Jacinto River Basin Regional Sedimentation Study.	07/22/2021

BACKGROUND INFORMATION

Texas Water Development Board (TWDB) has awarded grant funding from the Flood Infrastructure Fund (FIF) to SJRA to perform a regional sedimentation study of the Upper San Jacinto River Basin (Lake Houston Watershed).

The Upper San Jacinto River Basin Regional Sedimentation Study will identify the sub-watersheds in the basin that produce and store the most sediment. With this information, sub-watersheds and individual locations can be prioritized for improvements, and conceptual solutions and non-construction best management practices can be developed and analyzed. The goal of these efforts is to reduce sediment inputs and/or enhance sediment storage to mitigate the loss of floodway conveyance. All identified projects, efforts, and practices will be ranked and included in an implementation plan, and ultimately all information developed as part of this project will be compiled into a regional sediment management plan which can guide future sedimentation mitigation efforts. The cost of the project is estimated at \$750,000.

The City of Houston, the City of Humble, and the Harris County Flood Control District (the Partners) have each agreed to fund a portion of the fifty percent local match (\$375,000) required by the FIF grant. SJRA will perform in-kind services in an effort to reduce the local match amount to be funded by the Partners. The remaining fifty percent (\$375,000) of the project cost will be funded by TWDB FIF grant funds. Per the grant funding agreement with TWDB, these grant funds will be deposited into an escrow account established by SJRA, and released to SJRA when authorized by TWDB based on project expenses incurred. This agreement between SJRA and Amegy Bank provides for the establishment of the required escrow account.

STRATEGIC GOAL: Goal 3: Water Resource Leadership

FUNDING SOURCE: N/A

ATTACHMENTS: Map, TWDB Escrow Agreement Template

RECOMMENDED ACTION

Authorize the General Manager to conclude and execute an escrow agreement with Amegy Bank related to Texas Water Development Board grant funding from the Flood Infrastructure Fund for the Upper San Jacinto River Basin Regional Sedimentation Study.



Item No.	Agenda Item	Date
6h	Consider authorizing the General Manager to conclude and execute an escrow agreement related to Texas Water Development Board grant funding from the Flood Infrastructure Fund for the Spring Creek Watershed Flood Control Dams Conceptual Engineering Feasibility Study.	07/22/2021

BACKGROUND INFORMATION

Texas Water Development Board (TWDB) has awarded grant funding from the Flood Infrastructure Fund (FIF) to SJRA for a continuation of the Spring Creek Siting Study, a sub-task of the San Jacinto Regional Watershed Master Drainage Plan project (SJMDP) led by Harris County Flood Control District (HCFCD) with SJRA as one of multiple partners.

The Spring Creek Siting Study explored multiple alternative projects and detention siting locations to provide flood mitigation benefits to the Spring Creek watershed. Two of the more cost-effective alternatives identified in the Spring Creek watershed – dams on Walnut Creek and Birch Creek – were recommended for implementation in the SJMDP.

This project will include a conceptual-level design for each of the two dams, as well as definition of benefits and costs for each dam and a combination of the two dams. The outcome of this study will allow project sponsors to determine the most feasible and economical alternative(s) for design and construction. The cost of the project is estimated at \$1,000,000.

The City of Humble, HCFCD, and five (5) Municipal Utility Districts (the Partners) have each agreed to fund a portion of the fifty percent local match (\$500,000) required by the FIF grant. SJRA will perform in-kind services in an effort to reduce the local match amount to be funded by the Partners. The remaining fifty percent (\$500,000) of the project cost will be funded by TWDB FIF grant funds. Per the grant funding agreement with TWDB, these grant funds will be deposited into an escrow account established by SJRA, and released to SJRA when authorized by TWDB based on project expenses incurred. This agreement between SJRA and Amegy Bank provides for the establishment of the required escrow account.

STRATEGIC GOAL: Goal 3: Water Resource Leadership

FUNDING SOURCE: N/A

ATTACHMENTS: Map, TWDB Escrow Agreement Template

RECOMMENDED ACTION

Authorize the General Manager to conclude and execute an escrow agreement with Amegy Bank related to Texas Water Development Board grant funding from the Flood Infrastructure Fund for the Spring Creek Watershed Flood Control Dams Conceptual Engineering Feasibility Study.