



Harris County, Texas

1001 Preston St., Suite 934
Houston, Texas 77002

Commissioners Court

Request for Court Action

File #: 22-3840

Agenda Date: 6/28/2022

Agenda #: 123.

Department: Flood Control District

Department Head/Elected Official: Tina Petersen, Ph.D., P.E., Executive Director

Regular or Supplemental RCA: Regular RCA

Type of Request: Financial Authorization

Project ID (if applicable): N/A

Vendor/Entity Legal Name (if applicable): N/A

MWDBE Contracted Goal (if applicable): N/A

MWDBE Current Participation (if applicable): N/A

Justification for 0% MWDBE Participation Goal: N/A - Goal not applicable to request

	YES	NO	ABSTAIN
Judge Lina Hidalgo	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comm. Rodney Ellis	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comm. Adrian Garcia	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comm. Tom S. Ramsey	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comm. R. Jack Cagle	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Request Summary (Agenda Caption):

Request for approval of a recommended methodology for determining Harris County Flood Resilience Trust eligibility and the utilization of funds from the Harris County Flood Resilience Trust on 2018 Bond Program projects according to that methodology.

Background and Discussion:

On June 29, 2021, the Harris County Commissioners Court established the Flood Resilience Trust to act as a backstop for 2018 Bond Program projects with anticipated partnership funding gaps and projects with contingency funding needs. Commissioners Court directed the Flood Control District to use an updated Prioritization Framework to allocate funds from the Trust.

On April 26, 2022, the Harris County Flood Control District transmitted the “2022 Prioritization Framework for the Allocation of Funds from the Harris County Flood Resilience Trust” to Commissioners Court, in response to this directive.

To implement that framework, recommendations are submitted for Commissioners Court’s consideration along with an initial request for utilization of \$84.95 million in Flood Resilience Trust funds, including the following:

- Recommended methodology for determining whether a project is eligible to access funds from the Flood Resilience Trust;
- A summary of the existing and anticipated future available funds in the Flood Resilience Trust;
- A summary of partnership funding awarded and anticipated partnership funds that have not yet been awarded to 2018 Bond Program projects;
- Details of the current request for authorization to utilize \$84.95 million in Flood Resilience Trust funds

towards 2018 Bond Program Projects with partnership funding gaps and contingency funding needs; and

- Appendixes listing projects included in the current funding request and prioritization scores for all projects with existing funding gaps.

Based on the methodology presented here, we anticipate that the current Flood Resilience Trust funding availability is sufficient to implement the 2018 Bond Program for at least the next 12 months, after which, assuming no other partnerships are secured, additional County resources previously committed to the Bond Program may be needed. The timing and amount of this need will depend on the amount of partnership funding that can be secured and allocated towards projects with partnership gaps.

If approved, the Harris County Flood Control District will return to Commissioners Court on a biannual basis with additional requests for utilization of the Flood Resilience Trust, including an updated analysis of partnership and contingency funding needs, available funding, and flood resilience trust eligibility for 2018 Bond Program projects with outstanding funding needs.

Expected Impact:

To date, partnership funding gaps have not caused delays in 2018 Bond Program implementation. However, some projects with partnership funding gaps are nearing stages in their project lifecycles in which additional funding beyond the currently allocated local funding will be needed. The Flood Resilience Trust will allocate funding to projects with existing funding gaps according to the 2022 Prioritization Framework to ensure that high-priority projects in immediate need of funding will continue without schedule delays or interruptions, while the County continues to pursue partnership funding for any and all eligible projects.

Alternative Options:

There currently is no approved methodology for allocation of funds from the Flood Resilience Trust.

Alignment with Goal(s):

- Justice and Safety
- Economic Opportunity
- Housing
- Public Health
- Transportation
- Flooding
- Environment
- Governance and Customer Service

Presented to Commissioners Court

June 28, 2022

Approve: R/E

Prior Court Action (if any):

Date	Agenda Item #	Action Taken
08/27/2019	2.g	Approval of Bond Prioritization Framework
06/29/2021	191.	Approval of Flood Resilience Trust
10/26/2021	136.	Motion to address flooded structures outside
12/14/2021	17.	Motion to present proposed changes to the

4/26/2022	228.	Transmittal by the Flood Control District on the proposed modifications to the 2019 Pri
4/26/2022	229	Transmittal by the Flood Control District of

Location: N/A

Address (if applicable):

Precinct(s): Countywide

Fiscal and Personnel Summary			
Service Name	N/A		
	SFY 22	FY 23	Next 3 FYs
Incremental Expenditures (do NOT write values in thousands or millions)			
Labor Expenditures	\$	\$	\$
Non-Labor Expenditures	\$	\$	\$
Total Incremental Expenditures	\$	\$	\$
Funding Sources (do NOT write values in thousands or millions)			
Existing Budget			
Choose an item.	\$	\$	\$
Choose an item.	\$	\$	\$
Choose an item.	\$	\$	\$
Total Current Budget	\$	\$	\$
Additional Budget Requested			
Choose an item.	\$	\$	\$
Choose an item.	\$	\$	\$
Choose an item.	\$	\$	\$
Total Additional Budget Requested	\$	\$	\$
Total Funding Sources	\$	\$	\$
Personnel (Fill out section only if requesting new PCNs)			
Current Position Count for Service	-	-	-
Additional Positions Requested	-	-	-
Total Personnel	-	-	-

Anticipated Implementation Date: June 28, 2022

Emergency/Disaster Recovery Note: Not an emergency, disaster, or COVID-19 related item

Contact(s) name, title, department: Tina Petersen, Ph.D., P.E., Executive Director, Flood Control District

Attachments (if applicable): Harris County Flood Resilience Trust: Recommended Methodology and Request for Utilization of Funds

JUNE 28, 2022

Summary and Recommendation

The financial framework developed for the 2018 Bond Program relied on approximately \$2.5 billion in partnership funding to match the County's \$2.5 billion investment of voter-authorized bond program dollars. Although the Harris County Flood Control District continues to aggressively pursue partnership dollars in order to implement the Bond Program as it was originally envisioned, substantial amounts of anticipated partner funding remain unrealized.

On June 29, 2021, the Harris County Commissioners Court established the Flood Resilience Trust to act as a backstop for 2018 Bond Program projects with anticipated partnership funding gaps and projects with contingency funding needs. Commissioners Court directed the Flood Control District to use an updated Prioritization Framework to allocate funds from the Trust. On April 26, 2022, the Harris County Flood Control District transmitted the "2022 Prioritization Framework for the Allocation of Funds from the Harris County Flood Resilience Trust" to Commissioners Court, in response to this directive.

To date, partnership funding gaps have not caused delays in 2018 Bond Program implementation. However, some projects with partnership funding gaps are nearing stages in their project lifecycles in which additional funding will be needed to avoid project delays. Funding from the Flood Resilience Trust will ensure projects will continue without schedule delays or interruptions according to the 2022 Prioritization Framework, while the County continues to pursue partnership funding for any and all eligible projects.

This memorandum outlines for Commissioner's Court consideration the methodology to be used for accessing funds from the Flood Resilience Trust, the initial request for authorization to utilize \$84.95 million in Flood Resilience Trust funds and the outstanding partnership funding needs. This memorandum includes:

- Recommended methodology for determining whether a project is eligible to access funds from the Flood Resilience Trust;
- A summary of the existing and anticipated future available funds in the Flood Resilience Trust;
- A summary of partnership funding awarded and anticipated partnership funds that have not yet been awarded to 2018 Bond Program projects;
- Details of the current request for authorization to utilize \$84.95 million in Flood Resilience Trust funds towards 2018 Bond Program Projects with partnership funding gaps and contingency funding needs; and
- Appendixes listing projects included in the current funding utilization request and prioritization scores for all projects with existing funding gaps.

We anticipate that a total \$834.2 million will be allocated to the Flood Resilience Trust through FY 2030. Of that amount, \$124.9 million in Bond funds are currently available in the Flood Resilience Trust. Based on the methodology presented here, **we anticipate that the current Flood Resilience Trust funding availability is sufficient to implement the 2018 Bond Program for at least the next 12 months**, after which additional County resources previously committed to the Bond Program may be needed. The timing and amount of this need will depend on the amount of partnership funding that is secured and allocated towards projects with partnership gaps.

If this methodology is approved, the Harris County Flood Control District will return to Commissioners Court on a biannual basis for approval of the utilization of Flood Resilience Trust funding, including an updated analysis of partnership and contingency funding needs, available funding, and flood resilience trust eligibility for 2018 Bond Program projects with outstanding funding needs.

The Flood Resilience Trust was created to “provide backstop funding for Bond Program projects to compensate for partner funding shortfalls or cost overruns”. As such, we recommend that priority for the use of funds from the Flood Resilience Trust remain ensuring that no 2018 Bond Program project is delayed due to lack of partner funding. In the future, if surplus Flood Resilience Trust funding is available, we recommend selecting additional projects based on their scores on the prioritization framework presented to Commissioners Court on 4/26/2022, using estimated project cost and benefit information identified in initial planning studies to provide initial prioritization scores for those projects.

Note: Eligibility for Flood Resilience Trust funding based on the methodology presented here does not necessarily indicate that funding will be allocated to eligible projects. Allocation of funds towards individual Bond Program projects will be carried out on a project-by-project basis, only when funding is needed and if additional funding partners are not identified.

Recommended Methodology for Determining Flood Resilience Trust Eligibility

The Harris County Flood Control District, Harris County Engineering Department, and Office of Management and Budget recommend using the framework presented below to identify whether projects with existing funding gaps are eligible to draw on funding from the Flood Resilience Trust.

Projects with a partnership funding gap or contingency funding needs should continue to advance through their project lifecycles using Bond funding allocated to them for as long as possible before drawing from the Flood Resilience Trust, in order to preserve available funding and allow the County to continue to seek partnership funds for as many projects as possible. Once an eligible project cannot continue to advance without additional funding, the County will draw funds from the Flood Resilience Trust and allocate them to 2018 Bond Program projects to minimize delays or slowdowns in project implementation.

This section outlines the recommended process for determining whether a project is eligible to receive Flood Resilience Trust funding. These steps are carried out in **Appendix B** using currently available data; as data is refined, prioritization scores and funding needs will be updated.

- **Step 1:** Score all projects with existing partnership or contingency funding needs using the prioritization framework.
- **Step 2:** Order projects by prioritization score.
- **Step 3:** A project is eligible for Flood Resilience Trust funding if the total funding gap associated with that project and all projects with higher prioritization scores is less than the total anticipated Flood Resilience Trust funding (currently \$834.2 million).
 - See **Appendix B** below for list of currently eligible and ineligible projects with funding needs.
- **Step 4:** Allocate Flood Resilience Trust funds to eligible projects when projects cannot continue to advance without additional funding.

Individual project prioritization scores may be revised over time as more accurate data on project benefits becomes available. The prioritization scores included in **Appendix B** to this document represent the best data currently available. Any change to project prioritization will be due to updated project information, such as cost or benefit data, rather than a change in the prioritization framework itself.

Recommended Authorization to Utilize Flood Resilience Trust Funds

Based on the methodology presented above, we are requesting authorization to utilize \$84.95 million in Flood Resilience Trust funds towards 2018 Bond Program projects that have outstanding funding needs through the end of the calendar year. This utilization request includes \$57.3 million in resources the Flood Control District has committed prior to the establishment of the Flood Resilience Trust, including contingency funding needs for projects nearing completion, projects that were advertised for construction and funded in anticipation of future reimbursements from the Army Corps of Engineers, and projects with partnership funding gaps that needed additional funding to continue without interruption. Details of the projects included in this funding utilization request are included in **Appendix A**.

As Flood Resilience Trust funding is allocated to projects or projects receive partnership funding, the total amount of funding available will be updated along with the list of projects with partnership or contingency funding needs. If these recommendations are adopted, the Flood Control District and the Office of the County Engineer will provide Commissioners Court with biannual summaries of existing funding gaps, available Flood Resilience Trust funding, and project prioritization scores. These updates will reflect the fact that available funding, project costs, and the group of projects with funding needs will evolve over time.

Flood Resilience Trust: Summary

There are three types of funding in the Flood Resilience Trust, shown in **Figure 1** below:

Reimbursements

Reimbursements in the Flood Resilience Trust include funding reimbursed from grants or programs where Harris County has spent money that is later reimbursed by Federal and State partners such as the US Army Corps of Engineers. This funding is not Bond funding.

- The District's current estimate for the amount of funds to be reimbursed is \$166 million. However, the timing and actual amount of funding that will eventually be reimbursed is not yet determined.

Bond Funds

This category includes funding from the \$2.5 billion Bond, including funds left over from completed projects, funding programmed towards contingencies, and bond funds previously allocated for subdivision projects that were replaced by mobility funds as part of the establishment of the Flood Resilience Trust on June 29, 2021.

- Currently, \$124.9 million in bond funds have been allocated towards the Flood Resilience Trust, including \$115.2 million in funds previously allocated to subdivision drainage projects and \$9.6 million in contingency funds.

Mobility Funds and Other County Resources

This category includes mobility funds transferred to the Flood Resilience Trust, or funds from other County funding sources. This category includes mobility funds transferred to the Flood Resilience Trust as part of the annual budget process for roadway-related flood mitigation subject to applicable standards and financial feasibility.

- On 4/27/2021, Commissioners Court approved the allocation of \$200 million in County resources towards the Bond Program. This funding was included in the item presented at the 6/29/2021 Court establishing the Flood Resilience Trust, though the sources of these funds have not yet been identified.
- On 6/29/2021, Commissioners Court approved an increase of annual mobility funding to \$40 million (adjusted annually for inflation) and designated those funds to the Flood Resilience Trust, which would

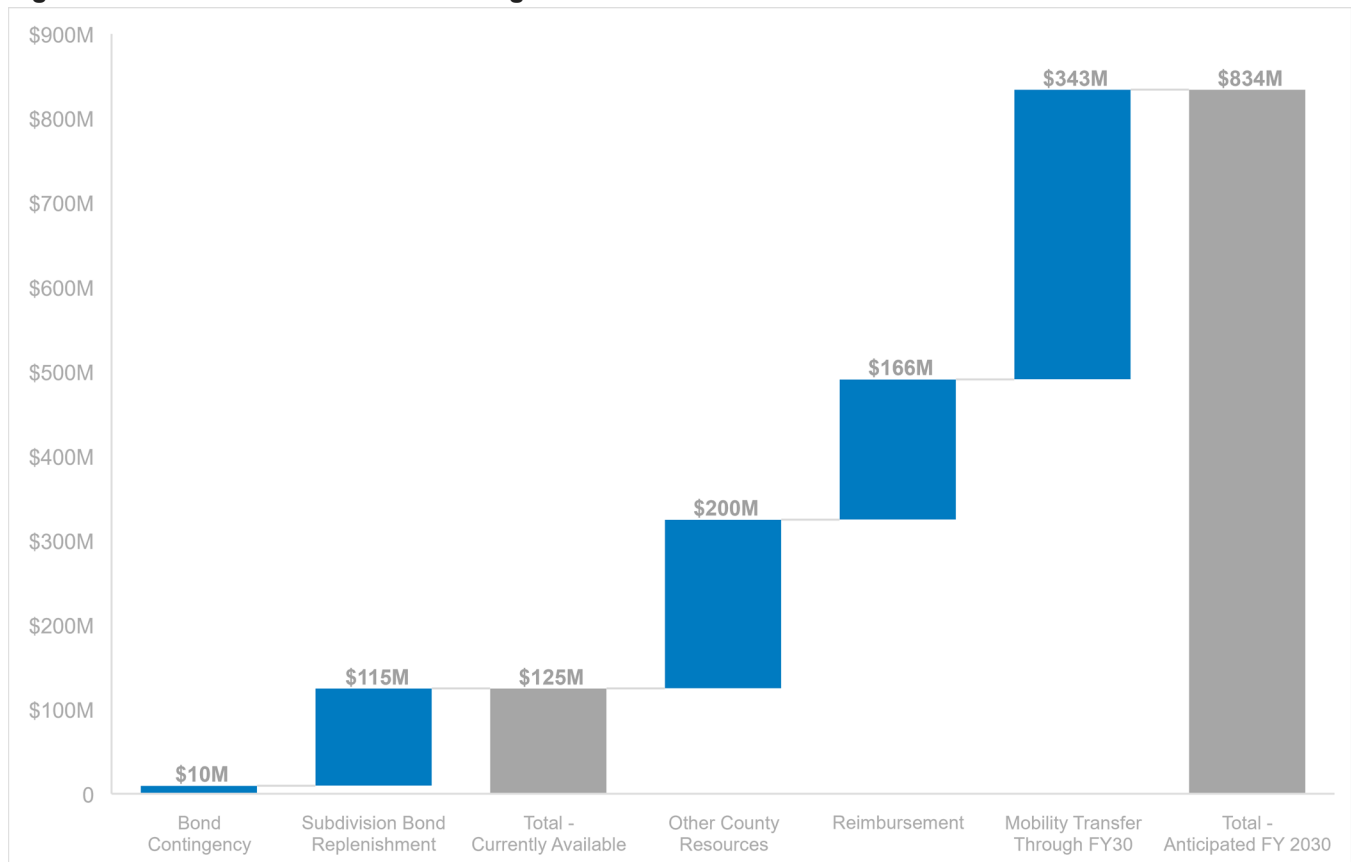
allocate a total of \$343.3 million to the Flood Resilience Trust through FY30, starting with \$40 million in FY23.

Total Anticipated Funding

Based on the above estimates, we anticipate that a total \$834.2 million will be allocated to the Flood Resilience Trust through FY 2030. Of that amount, \$124.9 million in Bond funds are currently available in the Flood Resilience Trust.

- The analysis presented in this item includes the annual mobility funding transfers approved at the 6/29/2021 Commissioners Court, beginning with \$40 million in FY23, but does not include other sources of funding that have been approved by Commissioners Court but not yet been identified, such as \$200 million in other County resources and \$166 million in anticipated reimbursements.

Figure 1: Flood Resilience Trust Funding Sources



Note on project funding:

To maximize the potential for mobility funds to improve flood resilience countywide, we recommend that Commissioners Court authorize the Flood Control District, Engineering Department, and Office of Management and Budget to draw funding for projects determined to be eligible for Flood Resilience Trust funding using the above methodology from the most appropriate funding source included in the Flood Resilience Trust, depending on the project type, to maximize future funding flexibility.

- The process for allocating funds will vary depending on the funding source. When allocating mobility funds to 2018 Bond Program projects, the Flood Control District, HCFCD, HCTRA, and HCED will follow

appropriate protocols to ensure that those funds are used for a mobility purpose. Those protocols are not addressed in this document, and the current utilization request does not include any mobility funds.

Partnership and Contingency Funding Needs: Summary

The 2018 Bond Program includes \$2.5 billion in committed Bond funding, which is intended to be leveraged to obtain an anticipated \$2.5 billion in additional partnership funding from Federal, State, and local sources for a total anticipated spending of approximately \$5 billion on flood mitigation projects in Harris County.

To date, Harris County has secured \$1.275 billion in partnership funding for 2018 Bond Program projects from a variety of Federal, State, and local partners.

- Of the \$2.5 billion in partner funds originally anticipated from Federal, State, and local partners, \$754.2 million has not yet been identified by the County. This gap includes projects for which grant applications were submitted to various Federal and State program such as CDBG-MIT, FEMA-BRIC, and others but not awarded.

As additional partnership funding sources are identified, the amount of remaining unidentified partnership funding is anticipated to decline. For the purposes of this item, all projects with existing partnership funding gaps are analyzed to identify eligibility for Flood Resilience Trust funding, but this analysis does not indicate that those projects will necessarily be funded through the Flood Resilience Trust. Some projects may be removed from this list later as funding partners are identified. Details of projects with current funding gaps are shown in the **Appendix B** below.

Appendix A: Detail of Current Trust Fund Utilization Request

Note: No funds for subdivision drainage projects are included in this utilization request. Commissioners Court recently approved allocation of \$60 million in unallocated 2015 road bonds to the Subdivision Program which, along with previously approved HCTRA surplus revenues, will provide sufficient funding for all subdivision drainage programs through the end of the calendar year.

It is important to note that several of the projects listed below required more funds than were budgeted in the Bond Program and were started prior to establishment of the Flood Resilience Trust. At the time, those construction activities were partially funded with the intent of fully funding through other District resources - primarily reimbursements - as they came in from various sources. Those additional sources of funds are now included as part of the Flood Resilience Trust, which is why those projects are included in this list.

Bond ID	Watershed	Project Title	Precinct	Total Anticipated Spending	Remaining Partner Funding Gap	Current Utilization Request - Partner Funding Gap	Current Utilization Request - District Funding	Total Utilization Request: 6/28/2022
C-07	Armand Bayou	Design and Construction of the B509-03-00 and B509-04-00 Stormwater Detention Basins	2	\$15,000,000.00	\$11,250,000.00	\$1,000,000.00	\$ -	\$1,000,000.00
C-11	Brays Bayou	Design and Construction of Project Brays Corps of Engineers Section 211(f) Project	1, 2, & 4	\$90,678,189.00	\$ -	\$ -	\$15,678,189.00	\$15,678,189.00
C-14	White Oak Bayou	Design and Construction of Corps of Engineers White Oak Bayou Section 211(f) Project	1 & 3	\$54,850,000.00	\$ -	\$ -	\$6,340,061.00	\$6,340,061.00
C-25	Halls Bayou	Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-21-00	2	\$21,036,050.00	\$3,853,184.00	\$ -	\$1,000,000.00	\$1,000,000.00
C-28	Halls Bayou	Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01	2	\$24,000,000.00	\$17,712,814.00	\$2,000,000.00	\$ -	\$2,000,000.00
C-32	Greens Bayou	Design and Construction of the Cutten Road Stormwater Detention Basin Improvements	1	\$16,181,425.00	\$8,375,811.00	\$6,546,803.31	\$6,305,614.00	\$12,852,417.31
C-33	Greens Bayou	Design and Construction of Aldine-Westfield Stormwater Detention Basin Improvements	1	\$20,150,192.00	\$ -	\$ -	\$18,640,192.00	\$18,640,192.00
C-34	Greens Bayou	Design and Construction of Lauder Stormwater Detention Basin Improvements	2	\$38,162,244.98	\$11,093,342.00	\$5,000,000.00	\$ -	\$5,000,000.00
C-41	Halls Bayou	Planning, Right-Of-Way, Design and Construction of Halls Bayou Flood Risk Management Project	1 & 2	\$154,960,000.00	\$151,500,000.00	\$8,000,000.00	\$ -	\$8,000,000.00
C-43	Greens Bayou	Planning, Right-of-Way Acquisition, Design and Construction of Channel Conveyance Improvements along P138-01-01	2	\$5,000,000.00	\$5,000,000.00	\$5,000,000.00	\$ -	\$5,000,000.00
CI-032	White Oak Bayou	Investigation of Additional Stormwater Detention Basins in the White Oak Bayou Watershed	Countywide	\$250,000.00	\$125,000.00	\$125,000.00	\$ -	\$125,000.00
CI-035	Cypress Creek	Update to 2003 Texas Water Development Board Cypress Creek Tributary Study and Investigate Expanding Stormwater Detention Basins in Cypress Creek Watershed	1, 3, & 4	\$722,864.00	\$ -	\$ -	\$122,864.00	\$122,864.00
F-22	Cypress Creek	Restore Channel Conveyance Capacity Along Pillot Gully	3	\$3,712,597.00	\$ -	\$ -	\$1,397,837.00	\$1,397,837.00
F-23	Cypress Creek	Construction of Channel Conveyance Improvements Along K163-00-00	3	\$8,225,554.00	\$ -	\$ -	\$5,003,742.00	\$5,003,742.00
F-35	Little Cypress Creek	Construction of Bauer-Hockley Stormwater Detention Basin Improvements	4	\$4,727,418.00	\$ -	\$ -	\$186,799.00	\$186,799.00
F-82	Buffalo Bayou	Demolition of 1119 Commerce Street and Slope Stabilization Along Buffalo Bayou	2	\$4,907,024.00	\$ -	\$ -	\$2,604,930.00	\$2,604,930.00
					Total	\$27,671,803	\$57,280,228	\$84,952,031

Appendix B: Project Prioritization Scores and Resilience Trust Eligibility

Project Information				Project Efficiency (45%)			Other Scoring Criteria (55%)					TOTAL GAP	AVAILABLE RESILIENCE TRUST FUNDS		
				15%	30%	45%	20%	20%	5%	5%	5%	100%	\$977,335,606	\$834,169,018	
Bond ID	Project Name	Watershed	Unit Name	Score: Cost/Person	Score: Cost/Structure	Alt. Score (Non-Structure Benefits)	Existing Cond.	SVI	Long-term Maint	Min. env Impacts	Mult Benefits	TOTAL SCORE	Funding Gap (\$)	Remaining Available Funding	Resilience Trust Eligibility
C-11	Design and Construction of Project Brays Corps of Engineers Section 211(f) Project	Brays Bayou	D100-00-00	10	10		6	10	10	6	10	9	\$15,678,189	\$818,490,829	Eligible
C-20	Mid-Reach Greens Bayou Project - Design and Construction of Channel Conveyance Improvements along Greens Bayou	Greens Bayou	P100-00-00	10	10		6	10	10	6	10	9	\$18,000,000	\$800,490,829	Eligible
C-33	Design and Construction of Aldine-Westfield Stormwater Detention Basin Improvements	Greens Bayou	P500-04-00	10	10		6	10	10	6	10	9	\$18,640,192	\$781,850,637	Eligible
C-34	Design and Construction of Lauder Stormwater Detention Basin Improvements	Greens Bayou	P500-06-00	10	8		6	10	10	6	10	8.4	\$11,093,342	\$770,757,295	Eligible
Z-Subdiv	E-132-00-00 Mitigation Project	White Oak Bayou	E100-00-00HC014	8	8		9	7	10	10	10	8.3	\$15,962,911	\$754,794,384	Eligible
Z-Subdiv	Memorial Hills	Cypress Creek	K100-00-00-HC015	8	8		6	10	10	10	10	8.3	\$1,362,640	\$753,431,744	Eligible
F-35	Construction of Bauer-Hockley Stormwater Detention Basin Improvements	Little Cypress Creek	L514-01-00	8	8		10	7	10	6	10	8.3	\$186,799	\$753,244,945	Eligible
C-08	Right-Of-Way Acquisition, Design, and Construction of Stormwater Detention Basin and Channel Conveyance Improvements along Salt Water Ditch	Sims Bayou	C118-00-00	8	8		10	10	6	6	0	8.2	\$37,500,000	\$715,744,945	Eligible
Z-Subdiv	Highland Ridge and Highland Estates	Spring Gully & Goose Creek	O100-00-00-HC002	6	6		10	10	10	10	10	8.2	\$723,781	\$715,021,164	Eligible
C-28	Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01	Halls Bayou	P118-25-00	8	8		10	10	6	2	4	8.2	\$17,712,814	\$697,308,350	Eligible
C-36	Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements and Bypass Channel for South Mayde Creek	Addicks Reservoir	U101-00-00	10	10		8	4	10	6	10	8.2	\$9,000,000	\$688,308,350	Eligible
C-57	Right-of-Way Acquisition, Design and Construction of General Drainage Improvements Along F216-00-00	Galveston Bay	F216-00-00	8	10		7	7	10	4	10	8.2	\$2,000,000	\$686,308,350	Eligible
C-46	Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek	Addicks Reservoir	U501-06-00	10	10		4	7	10	6	10	8	\$14,400,000	\$671,908,350	Eligible
F-26	Management, Right-of-Way Acquisition, Design and Construction of the Little Cypress Creek Frontier Program	Little Cypress Creek	L100-00-00	6	8		10	7	10	6	10	8	\$19,303,586	\$652,604,764	Eligible
C-118	Planning, Right-of-Way Acquisition, Design and Construction of a Reservoir along Spring Creek	Spring Creek	J100-00-00	10	10		4	7	10	0	10	7.7	\$12,500,000	\$640,104,764	Eligible
C-43	Planning, Right-of-Way Acquisition, Design and Construction of Channel Conveyance Improvements along P138-01-01	Greens Bayou	P138-01-01	8	8		8	7	10	2	10	7.7	\$5,000,000	\$635,104,764	Eligible
C-14	Design and Construction of Corps of Engineers White Oak Bayou Section 211(f) Project	White Oak Bayou	E100-00-00	8	8		4	10	10	6	10	7.7	\$6,340,061	\$628,764,703	Eligible

Bond ID	Project Name	Watershed	Unit Name	Score: Cost/Person	Score: Cost/Structure	Alt. Score (Non-Structure Benefits)	Existing Cond.	SVI	Long-term Maint	Min. env Impacts	Mult Benefits	TOTAL SCORE	Funding Gap (\$)	Remaining Available Funding	Resilience Trust Eligibility
C-30	Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00	Halls Bayou	P118-27-00	6	6		10	10	10	2	7	7.65	\$10,800,000	\$617,964,703	Eligible
C-09	Right-Of-Way Acquisition, Design, and Construction of South Post Oak Stormwater Detention Basin and Channel Conveyance Improvements along C147-00-00	Sims Bayou	C147-00-00	6	6		8	10	10	6	10	7.6	\$13,627,500	\$604,337,203	Eligible
Z-Subdiv	Houmont Park	Greens Bayou	P100-00-00-HC005	6	4		9	10	10	10	10	7.4	\$21,583,897	\$582,753,306	Eligible
Z-Subdiv	Sierra Ranch and Stonefield Terrace Sec 3	Greens Bayou	P100-00-00-HC015	10	10		0	7	10	10	10	7.4	\$368,400	\$582,384,906	Eligible
Z-Subdiv	Barrett Station (Phase 1 - Dreamland Place)	San Jacinto River	G100-00-00-HC006	4	4		10	10	10	10	10	7.3	\$2,297,675	\$580,087,231	Eligible
Z-Subdiv	Ralston Acres	Greens Bayou	P100-00-00-HC013	4	4		10	10	10	10	10	7.3	\$20,273,681	\$559,813,550	Eligible
C-10	Design and Construction of South Shaver Stormwater Detention Basin	Sims Bayou	C506-01-00	8	8		4	8.5	10	2	10	7.2	\$11,250,000	\$548,563,550	Eligible
Z-Subdiv	Airline Estates and Blue Bell	Halls Bayou	P118-00-00-HC001	4	4		9	10	10	10	10	7.1	\$12,572,534	\$535,991,016	Eligible
Z-Subdiv	Creel Country Estates	Spring Gully & Goose Creek	O100-00-00-HC001	4	4		9	10	10	10	10	7.1	\$1,500,000	\$534,491,016	Eligible
Z-Subdiv	Norchester	Cypress Creek	K100-00-00-HC016	8	8		9	1	10	10	10	7.1	\$11,952,460	\$522,538,556	Eligible
Z-Subdiv	Tower Oaks Plaza	Cypress Creek	E100-00-00-HC006	6	6		10	4	10	10	10	7	\$8,387,645	\$514,150,911	Eligible
Z-Subdiv	Aberdeen Green	Addicks Reservoir	U100-00-00-HC001	10	10		0	4	10	10	10	6.8	\$2,665,662	\$511,485,249	Eligible
C-23	Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-08-00	Halls Bayou	P118-08-00	4	4		10	10	10	2	7	6.75	\$22,500,000	\$488,985,249	Eligible
C-37	Design and Construction of Little York Stormwater Detention Basin	Addicks Reservoir	U500-01-00	8	8		2	7	10	6	10	6.7	\$2,500,000	\$486,485,249	Eligible
C-41	Planning, Right-Of-Way, Design and Construction of Halls Bayou Flood Risk Management Project	Halls Bayou	P118-00-00	4	4		8	10	10	6	10	6.7	\$151,500,000	\$334,985,249	Eligible
C-07	Design and Construction of the B509-03-00 and B509-04-00 Stormwater Detention Basins	Armand Bayou	B509-00-00	8	8		2	7	10	6	10	6.7	\$11,250,000	\$323,735,249	Eligible
C-32	Design and Construction of the Cutten Road Stormwater Detention Basin Improvements	Greens Bayou	P500-02-00	6	6		6	7	10	6	10	6.6	\$14,681,425	\$309,053,824	Eligible
C-24	Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-09-00	Halls Bayou	P118-09-00	4	4		10	8.5	10	2	7	6.45	\$10,800,000	\$298,253,824	Eligible
CI-035	Update to 2003 Texas Water Development Board Cypress Creek Tributary Study and Investigate Expanding Stormwater Detention Basins in Cypress Creek Watershed	Cypress Creek	K100-00-00	N/A	N/A	2	10	10	10	10	10	6.4	\$122,864	\$298,130,960	Eligible
Z-Subdiv	Bernadine Estates & Tower Oaks Sec 3	White Oak Bayou	E100-00-00-HC010	4	4		9	7	10	10	6	6.3	\$7,542,020	\$290,588,940	Eligible
C-13	Planning, Right-Of-Way, Design and Construction of Conveyance Improvements along Bintliff Ditch	Brays Bayou	D133-00-00	8	8		1	5.5	10	6	10	6.2	\$22,500,000	\$268,088,940	Eligible
C-16	Design and Construction of Woodland Trails Stormwater Detention Basin	White Oak Bayou	E500-00-00	6	6		4	7	10	6	10	6.2	\$48,660,000	\$219,428,940	Eligible

Bond ID	Project Name	Watershed	Unit Name	Score: Cost/Person	Score: Cost/Structure	Alt. Score (Non-Structure Benefits)	Existing Cond.	SVI	Long-term Maint	Min. env Impacts	Mult Benefits	TOTAL SCORE	Funding Gap (\$)	Remaining Available Funding	Resilience Trust Eligibility
C-26	Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02	Halls Bayou	P118-23-00	4	6		6	10	6	2	4	6.2	\$25,200,000	\$194,228,940	Eligible
Z-Subdiv	Lynwood Estates	Cypress Creek	K100-00-00-HC013	6	6		9	1	10	10	10	6.2	\$2,043,952	\$192,184,988	Eligible
C-48	Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek near the Grand Parkway	Addicks Reservoir	U101-00-00	6	6		8	4	10	0	10	6.1	\$84,600,000	\$107,584,988	Eligible
CI-006	Design and Construction of a Stormwater Detention Basin in Brock Park	Halls Bayou	P118-00-00	4	6		2	10	10	6	10	6.1	\$5,000,000	\$102,584,988	Eligible
Z-Subdiv	Coles Crossing	Cypress Creek	K100-00-00-HC002	8	8		3	1	10	10	10	5.9	\$2,425,500	\$100,159,488	Eligible
Z-Subdiv	Fountainhead Sec 2	Greens Bayou	P100-00-00-HC022	4	4		6	7	10	10	10	5.9	\$61,081	\$100,098,407	Eligible
Z-Subdiv	Prado Woods	Cypress Creek	K100-00-00-HC004	4	4		9	4	10	10	6	5.7	\$2,341,344	\$97,757,063	Eligible
C-31	Design and Construction of the Smith Road Channel Diversion	Greens Bayou	P133-00-00	4	4		8	7	6	6	4	5.6	\$700,000	\$97,057,063	Eligible
Z-Subdiv	Northfield Place	Halls Bayou	P118-00-00-HC002	1	1		9	10	10	10	6	5.55	\$14,635,171	\$82,421,892	Eligible
Z-Subdiv	Memorial Parkway	Barker Reservoir	T100-00-00-HC003	4	4		6	4	10	10	10	5.3	\$8,932,902	\$73,488,990	Eligible
Z-Subdiv	North Forest	Greens Bayou	P100-00-00-HC008	1	1		6	10	10	10	10	5.15	\$6,225,712	\$67,263,278	Eligible
CI-026	Investigation of City of Houston Properties for Conversion to Stormwater Detention Basins	Countywide	Z100-00-00	N/A	N/A	2	6	7	10	10	10	5	\$250,000	\$67,013,278	Eligible
CI-62	Construction of the Friendswood Detention Basin Near FM 528 in Friendswood	Clear Creek	A500-00-00	1	1		6	10	10	6	10	4.95	\$15,000,000	\$52,013,278	Eligible
F-23	Construction of Channel Conveyance Improvements Along K163-00-00	Cypress Creek	K163-00-00	4	4		8	1	10	10	4	4.8	\$5,003,742	\$47,009,536	Eligible
Z-Subdiv	North Park Forest	Cypress Creek	K100-00-00-HC017	1	1		3	10	10	10	10	4.55	\$1,377,888	\$45,631,648	Eligible
C-25	Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-21-00	Halls Bayou	P118-21-00	1	1		6	10	6	6	4	4.45	\$4,853,184	\$40,778,464	Eligible
CI-010	Partnership Project with Jersey Village on Right-of-Way Acquisition, Design, and Construction of General Drainage Improvements along E127-00-00	White Oak Bayou	E127-00-00	6	6		4	1	10	2	0	4.3	\$1,500,000	\$39,278,464	Eligible
C-12	Right-Of-Way, Design and Construction of Conveyance Improvements along Poor Farm Ditch	Brays Bayou	D111-00-00	8	6		2	1	6	6	0	4.2	\$14,510,000	\$24,768,464	Eligible
CI-032	Investigation of Additional Stormwater Detention Basins in the White Oak Bayou Watershed	White Oak Bayou	E500-00-00	N/A	N/A	2	4	5	10	6	10	4	\$125,000	\$24,643,464	Eligible
CI-033	Partnership Project with City of Houston on Planning, Right-of-Way Acquisition, Design, and Construction of General Drainage Improvements along E105-00-00	White Oak Bayou	E105-00-00	4	4		4	4	6	2	4	4	\$1,000,000	\$23,643,464	Eligible
Z-Subdiv	Copperfield Southdown Village Sec 1	Addicks Reservoir	U100-00-00-HC004	4	4		3	1	10	10	6	3.9	\$3,314,108	\$20,329,356	Eligible
C-58	Right-of-Way Acquisition, Design and Construction of General Drainage Improvements Along F101-06-00	Galveston Bay	F101-06-00	1	1		10	4	6	2	4	3.85	\$4,000,000	\$16,329,356	Eligible

Bond ID	Project Name	Watershed	Unit Name	Score: Cost/Person	Score: Cost/Structure	Alt. Score (Non-Structure Benefits)	Existing Cond.	SVI	Long-term Maint	Min. env Impacts	Mult Benefits	TOTAL SCORE	Funding Gap (\$)	Remaining Available Funding	Resilience Trust Eligibility
F-22	Restore Channel Conveyance Capacity Along Pillot Gully	Cypress Creek	K140-00-00	N/A	N/A	1	8	4	10	10	0	3.85	\$1,397,837	\$14,931,519	Eligible
CI-019	Investigations of Potential Detention Sites Around Glendale Dredge Site in Partnership with the City of Houston	San Jacinto River	G103-00-00	N/A	N/A	2	2	10	10	0	0	3.8	\$50,000	\$14,881,519	Eligible
C-38	Design and Construction of Dinner Creek Stormwater Detention Basin	Addicks Reservoir	U520-01-00	1	1		2	7	10	6	10	3.55	\$11,250,000	\$3,631,519	Eligible
CI-029	Restore Channel Conveyance Capacity Along C102-00-00	Sims Bayou	C102-00-00	N/A	N/A	1	4	10	2	2	0	3.45	\$10,000,000	(\$6,368,481)	Not Eligible
Z-Subdiv	Wortham Estates (Regional Project)	White Oak Bayou	E100-00-00-HC008	1	1		3	4	10	10	10	3.35	\$13,637,000	(\$20,005,481)	Not Eligible
Z-Subdiv	Sawmill Ranch	Spring Creek	J100-00-00-HC003	1	1		3	4	10	10	6	3.15	\$2,034,044	(\$22,039,525)	Not Eligible
CI-030	Right-of-Way Acquisition, Design and Construction of General Drainage Improvements along Turkey Gully	White Oak Bayou	E106-00-00	4	1		8	1	6	2	0	3.1	\$30,000,000	(\$52,039,525)	Not Eligible
CI-011	Partnership Project with the City of Houston for Feasibility Study of General Drainage Improvements around Hidden Lake Townhomes	White Oak Bayou	E100-00-00	N/A	N/A	2	2	1	10	10	10	3	\$175,000	(\$52,214,525)	Not Eligible
C-50	Funding for Future Partnership Projects Based on Results of Study - for Right-of-Way Acquisition, Design, and Construction of General Drainage Improvements in San Jacinto River Watershed Study	San Jacinto River	G103-00-00	1	4		2	1	10	0	10	2.95	\$56,250,000	(\$108,464,525)	Not Eligible
F-82	Demolition of 1119 Commerce Street and Slope Stabilization Along Buffalo Bayou	Buffalo Bayou	W100-00-00	N/A	N/A	1	1	4	10	10	10	2.95	\$2,604,930	(\$111,069,455)	Not Eligible
CI-003	Rehabilitation of the A214-00-00 channel to Restore Channel Conveyance Capacity	Clear Creek	A214-00-00	N/A	N/A	1	4	4	10	6	0	2.85	\$500,000	(\$111,569,455)	Not Eligible
CI-037	Restore Channel Conveyance Capacity Along C146-00-00	Sims Bayou	C146-00-00	N/A	N/A	1	1	7	10	6	0	2.85	\$15,000,000	(\$126,569,455)	Not Eligible
CI-038	Restore Channel Conveyance Capacity Along D115-00-00	Brays Bayou	D115-00-00	N/A	N/A	1	6	1	10	10	0	2.85	\$15,000,000	(\$141,569,455)	Not Eligible
Z-Subdiv	Wortham U/R	White Oak Bayou	E100-00-00-HC009	1	1		0	4	10	10	6	2.55	\$163,400	(\$141,732,855)	Not Eligible
Z-Subdiv	Rock Creek	Little Cypress Creek	L100-00-00-HC004	1	1		3	1	10	10	6	2.55	\$1,433,733	(\$143,166,588)	Not Eligible