



Application

Abridged

5:00pm

Due February 2, 2018 by

Submit via email: SWIFT@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.

NOTE: You may also complete and submit your Abridged Application online at <https://ola.twdb.texas.gov/>.

GENERAL INFORMATION				
Name of Entity	County	Regional Water Planning Area		
West Harris County Regional Water Authority	Harris	H - Region H		
Entity Contact Information				
Contact Person	Name	Melinda D. Silva, P.E.		
	Title	Deputy Program Manager		
Mailing Address	Dannenbaum Engineering Corporation			
	3100 West Alabama			
	Houston, Texas 77098			
Phone Number	713-527-6427	Fax Number	713-533-4111	
Email Address	melinda.silva@dannenbaum.com			
PROJECT DESCRIPTION				
Name of Project <i>(As it appears in the 2017 State Water Plan)</i>	Northeast Water Purification Plant Expansion			
Where can the project be found in the most recent Regional Water Plan?	Project described on page:	5-B-TRET-004-1	Capital costs listed on page:	ES-12
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	City of Houston 2,195,914 - Plus WHCRWA 681,985 (in 2040) - Plus other Authorities' Populations			



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Description of Proposed Project Components
<p>Harris Galveston Subsidence District Regulations to convert users from groundwater to surface or alternate water is increasing treated water demands. The CoH is among the largest providers of surface water to customers in Region H. COH currently treats water originating in the Lakes Houston and Livingston in three treatment plants prior to distribution to its customers. The three plants are the Northeast Water Purification Plant (NEWPP), the East water Purification Plant (EWPP), and the Southeast Water Purification Plant (SEWPP). Over the course of RWP planning period, increasing CoH and customer demands as well as Harris Galveston Subsidence District Requirements will drive the need for additional surface water treatment. This NEWPP expansion will accommodate Houston customers including four regional Water Authority demand. The expanded plant will be built in four 80 MGD modules for a total potable water capacity of 320 MGD.</p> <p>This project is listed in the TWDB Water Plan under the COH. The Design Build project is being developed by the CoH but will serve WHCRWA as well as other water Authorities. WHCRWA is funding their pro-rata share of the project which is approximately 25% based on water demand allocation of the overall project. The overall project costs have increased further, approximately \$200M since the 2017 loan application as a result of design development, pilot testing results and treatment refinements. Design refinements at the new facility attempt to address the ongoing treatment challenges that persist at the existing plant. WHCRWA is requesting additional funds to cover their portion of these increased costs.</p>

Emergency <i>(select all that apply)</i>	<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.
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Agricultural Efficiency Project?	<input type="checkbox"/> Yes	Efficiency improvement achieved by implementing the project <i>(Please provide an attachment showing the basis for your calculation.)</i>			
	<input checked="" type="checkbox"/> No	<input type="checkbox"/> <1%	<input type="checkbox"/> 10%-13.9%	<input type="checkbox"/> 14%-17.9%	<input type="checkbox"/> ≥18%
		<input type="checkbox"/> 1%-1.9%	<input type="checkbox"/> 2%-5.9%	<input type="checkbox"/> 6%-9.9%	

Household Cost Factor
(Household Cost Factor for SWIFT prioritization is 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:	for WHCRWA \$425.04	Annual Median Household Income:	\$52,533 Harris County
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The proposed project addresses:	<input type="checkbox"/> Conservation <input type="checkbox"/> Water Loss <input checked="" type="checkbox"/> N/A
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Volume of Water Produced/Conserved (in Acre/Feet per Year)					
2020	2030	2040	2050	2060	2070
0	358,400	358,400	358,400	358,400	358,400

Readiness to Proceed <i>(select all that apply)</i>	<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.
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ESTIMATED COSTS		
Estimated Project Costs	Low-interest Loan	\$ 50,000,000
	Deferred Loan	\$ 0
	Board Participation	\$ 0
	Local Contribution	\$ 76,550,000
	Other: 356,200,000	\$
	Total Estimated Project Costs	\$ 482,750,000
Anticipated Commitments <i>Attach proposed schedule for multi-year commitments</i>		<input checked="" type="checkbox"/> One-Time Commitment <input type="checkbox"/> Multi-Year Commitments
Anticipated Debt Service Structure <i>Please attach explanation if requesting non-level debt service..</i>		<input checked="" type="checkbox"/> Level <input type="checkbox"/> Other Request

Required Attachments:

- A list of all water systems served by the proposed project
- Proposed multi-year commitment schedule (if applicable)
- Explanation of requested debt service structure (if applicable)

**West Harris County Regional Water Authority (WHCRWA)
Entities to be served (Source: WHCRWA GRP as of January 2018)**

1	Addicks U.D.	31	Harris Co. M.U.D. 172	61	Harris Co. M.U.D. 495	91	West Harris Co. M.U.D. 4
2	Barker Cypress M.U.D.	32	Harris Co. M.U.D. 173	62	Harris Co. M.U.D. 506	92	West Harris Co. M.U.D. 5
3	Beechnut M.U.D.	33	Harris Co. M.U.D. 179	63	Harris Co. M.U.D. 46	93	West Harris Co. M.U.D. 7
4	Bissonnet M.U.D.	34	Harris Co. M.U.D. 180	64	Harris Co. M.U.D. 61	94	West Harris Co. M.U.D. 14
5	Castlewood M.U.D.	35	Harris Co. M.U.D. 183	65	Harris Co. M.U.D. 63	95	West Harris Co. M.U.D. 15
6	Chelford City M.U.D.	36	Harris Co. M.U.D. 185	66	Harris Co. M.U.D. 64	96	West Harris Co. M.U.D. 17
7	Chelford One M.U.D.	37	Harris Co. M.U.D. 186	67	Harris Co. M.U.D. 70	97	West Memorial M.U.D.
8	Cimarron M.U.D.	38	Harris Co. M.U.D. 188	68	Harris Co. M.U.D. 71	98	West Park M.U.D.
9	Clay Road M.U.D.	39	Harris Co. M.U.D. 196	69	Harris Co. M.U.D. 81	99	Westlake M.U.D. 1
10	Fry Road M.U.D.	40	Harris Co. M.U.D. 208	70	Harris Co. U.D. 6	100	Weston M.U.D.
11	Harris Co. M.U.D. 102	41	Harris Co. M.U.D. 238	71	Harris Co. W.C.I.D. 157		
12	Harris Co. M.U.D. 105	42	Harris Co. M.U.D. 239	72	Harris-Ft. Bend M.U.D. 3		
13	Harris Co. M.U.D. 106	43	Harris Co. M.U.D. 250	73	Horsepen Bayou M.U.D.		
14	Harris Co. M.U.D. 120	44	Harris Co. M.U.D. 257	74	Interstate M.U.D.		
15	Harris Co. M.U.D. 127	45	Harris Co. M.U.D. 264	75	Jackrabbit Road P.U.D.		
16	Harris Co. M.U.D. 130	46	Harris Co. M.U.D. 276	76	Langham Creek U.D.		
17	Harris Co. M.U.D. 132	47	Harris Co. M.U.D. 284	77	Mayde Creek M.U.D.		
18	Harris Co. M.U.D. 136	48	Harris Co. M.U.D. 341	78	Memorial M.U.D.		
19	Harris Co. M.U.D. 144	49	Harris Co. M.U.D. 370	79	Mission Bend M.U.D. 1		
20	Harris Co. M.U.D. 147	50	Harris Co. M.U.D. 371	80	Mission Bend M.U.D. 2		
21	Harris Co. M.U.D. 149	51	Harris Co. M.U.D. 405	81	Morton Road M.U.D.		
22	Harris Co. M.U.D. 151	52	Harris Co. M.U.D. 418	82	North West Harris Co. M.U.D. 12		
23	Harris Co. M.U.D. 152	53	Harris Co. M.U.D. 432	83	Nottingham Country M.U.D.		
24	Harris Co. M.U.D. 155	54	Harris Co. M.U.D. 433	84	Remington M.U.D. 1		
25	Harris Co. M.U.D. 157	55	Harris Co. M.U.D. 434	85	Renn Road M.U.D.		
26	Harris Co. M.U.D. 162	56	Harris Co. M.U.D. 437	86	Ricewood M.U.D.		
27	Harris Co. M.U.D. 163	57	Harris Co. M.U.D. 438	87	Rolling Creek U.D.		
28	Harris Co. M.U.D. 165	58	Harris Co. M.U.D. 449	88	Spencer Road P.U.D.		
29	Harris Co. M.U.D. 167	59	Harris Co. M.U.D. 457	89	Trail of the Lakes M.U.D.		
30	Harris Co. M.U.D. 171	60	Harris Co. M.U.D. 458	90	West Harris Co. M.U.D. 2		

NOTE: This is a listing of all the M.U.D.s in the WHCRWA that have either existing active wells or approved permit applications for wells that will be drilled in the near future and are included in the WHCRWA's GRP.