

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.

GENERAL INFORM	MATION									
	e of Entity			County		Regional W	ater Planning Area			
Brushy (nc.		Williamson		Brazos Region 2					
Entity Contact Information										
Contact Deveon	Name	Tom Gallier								
Contact Person	Title	General Manager								
		221 East Main Street	t							
Mailing Add	ress	Round, Rock, Texas 7	Round, Rock, Texas 78664							
Phone Num)97							
Email Addro	ess	tgallier@bcrua.org								
PROJECT DESCRI	PTION									
N (As it appears	ame of Pro	ject State Water Plan)	Brushy Creek	Brushy Creek RUA Water Supply – Phase I						
Where can the recent F	found in the most ater Plan?	Project descr on page	ribed :	Brazos G Plan, Volume II, pg 7.2-1 through 7.2-14	Car liste	oital costs d on page:	7.2-11			
Pha	se(s) Appli	ed For	🗆 Plannir	ng	□ Acquisition		Design	oxtimes Construction		
Population Ser	Fully Operational	846,072 (com G Plans)	nbined	population of the pa	artner o	cities in 2070 f	rom Region K and			



Abridged Application

Due February 3, 2017 by 5:00pm SWIFT@twdb.texas.gov

Description of Proposed Project

The Brushy Creek Regional Utility Authority is a regional partnership of the cities of Cedar Park, Round Rock, and Leander. Portions of the regional system have already been constructed. The proposed project includes construction funding for Phase 1C of the regional project. Phase 1A has been completed and Phase 1B is underway. Phase 1C completes Phase 1 of the project as described in Volume 2, page 7.2-11. The project involves an expansion of the floating raw water intake and the water treatment plant from an existing capacity of 17 mgd to 30 mgd. Specific improvements include a floating raw water barge, raw water pumps, raw water pipeline improvements, rapid mixing, flocculation, sedimentation, filtration, chemical feed systems, and residual handling systems.

Phase 1C is a critical expansion that will provide necessary conveyance and treatment capacity until Phase 2 of the regional project is completed. Phase 2 of the project is described in detail in the Water Plan. The proposed project does not include any Phase 2 components but is necessary to meet demands until Phase 2 is implemented.

Emergency			□ Applican	Applicant/entity's water supply will last less than 180 days.							
			🗆 Water su	$\hfill\square$ Water supply need occurs earlier than anticipated in the State Water Plan.							
(select all that apply	v)		□ Applican	□ Applicant has received or applied for Federal emergency funding.							
			⊠ None of t	☑ None of the above.							
Agricultural Eff	iciency Project?		□ Yes ⊠ No	Efficiency improvement achieved by implementing the project (Please provide an attachment showing the basis for your calculation.) Yes □ <1% □ 10%-13.9% No □ 1%-1.9% □ 14%-17.9% ⊇ %-5.9% ⊇ 18% □ 6%-9.9%							
(Household Cost	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 househo For regional projects, these should represent the combined service areas of all participating entities.)					an household income.					
Estimated averative residential water	age annual er bill:	\$592		Annual Median Household \$76,720							
The proposed project addresses:											
The proposed p	oroject addresse	s: 🗆 0	Conservation	🛛 Water Loss 🛛 N/A							
The proposed p	project addresse	s: 🗌 🗆 (Volume of Wate	Conservation	□ Water Loss	per Year)						
The proposed p	project addresse	s: 🗌 🗆 (Volume of Wate	Conservation C er Produced/Co 2040	□ Water Loss	per Year) 2060	2070					
The proposed p 2020 8,010	project addresse	s: □ (Volume of Wate 030 ,775	Conservation C er Produced/Co 2040 40,215	Water Loss N/A nserved (in Acre/Feet p 2050 41,760	ber Year) 2060 43,125	2070 44,580					
The proposed p 2020 8,010 Readiness to Pr (select all that apply	Project addresse	s: □ (Volume of Wate 030 ,775	Conservation C er Produced/Co 2040 40,215 Applican project, o	Water Loss N/A nserved (in Acre/Feet p 2050 41,760 ary planning or design w ed or is not required. t is prepared to begin in of application deadline. t has acquired all water or none will be required	per Year) 2060 43,125 vork (30% of total proje nplementation or const rights associated with t	2070 44,580 ect) has been truction within 18 the proposed					
The proposed p 2020 8,010 Readiness to Pr (select all that apply ESTIMATED CO	roject addresse	s: □ (Volume of Wate 030 ,775	Conservation C er Produced/Co 2040 40,215 X Prelimina complete Applican months o Applican project, o	Water Loss N/A nserved (in Acre/Feet p 2050 41,760 ary planning or design w ed or is not required. t is prepared to begin in of application deadline. t has acquired all water or none will be required	per Year) 2060 43,125 vork (30% of total proje nplementation or const rights associated with t	2070 44,580 ect) has been truction within 18 the proposed					



Project Costs	Deferred Loan		\$	
	Board Participation		\$	
	Local Contribution		\$	
	Other:		\$	
	Total Est	imated Project Costs	\$ 16,995,000	
Anticipated Commitments Attach proposed schedule for multi-year commitments			🛛 One-Time Commitment	Multi-Year Commitments

Please attach a list of all water systems served by the proposed project.

Water System Name	Public Water System Number
City of Cedar Park	TX2460009
City of Round Rock	TX2460003
City of Leander	TX2460012
Williamson Travis Counties MUD 1	TX2460120
Block House Creek MUD	TX2460110
Indian Springs	TX2270210
City of Georgetown	TX2460001
Paloma Lake MUD 2	TX2460165
Tal Tex	TX2460064
Williamson County MUD 10	TX2460145
Round Rock Ranch PUD Utility Company	TX2460161
Blessing Mobile Home Park	TX2460031
Fern Bluff MUD	TX2460128
Williamson County MUD 11	TX2460159
Paloma Lake MUD 1	TX2460164
Vista Oaks MUD	TX2460139
Walsh Ranch MUD	TX2460160
City of Liberty Hill	TX2460013

SWIFT Abridged Application for Brushy Creek Regional Utility Authority Water Systems Served by the Proposed Project

Brushy Creek Regional Utility Authority serves water to the Cities of Cedar Park, Round Rock, and Leander.

The City of Cedar Park serves water to Williamson Travis Counties MUD 1, Block House Creek MUD, and Indian Springs.

The City of Round Rock serves water to City of Georgetown, Paloma Lake MUD 2, Tal Tex, Williamson County MUD 10, Round Rock Ranch PUD Utility Company, Blessing Mobile Home Park, Fern Bluff MUD, Williamson County MUD 11, Paloma Lake MUD 1, Vista Oaks MUD, and Walsh Ranch MUD.

The City of Leander serves water to the City of Liberty Hill.

BCRUA Funding Evaluation Cost Allocation Summary

This document is released for interim review under the authority of Aaron Archer, Texas PE 100967 on January 2, 2017.

Notes: 1. Phase 1C not eligible for TWDB Board Participation.

2. A financial services fee of \$200,000 is an estimate and has been allocated based on the total project cost allocation percentage for each city. An additional \$360,000 of costs are reserved for Leander which requires a separate debt service reserve deposit from proceeds of new b 3. Phase 1C cost information has been developed using information from the Ph 1 PER, BCRUA Master Agreement Capacity Allocation Spreadsheet, Phase 1 schedule of values. Detailed, independent cost estimating for these phase has not been performed. 4. Construction and Construction Phase Services costs are eligible for a Low Interest Loan.

Description	Constructed Capacity (mgd)	Estimated Cost	Cedar Park Reserved Capacity (%)	Cedar Park Capacity (mgd)	Cedar	r Park Reserved Cost	Leander Reserved Capacity (%)	Leander Capacity (mgd)	Leande	r Reserved Cost	Round Rock Reserved Capacity (%)	Round Rock Capacity (mgd)	R Reser	ound Rock ved Cost
PHASE 1C														
Construction and Construction Phase Services (SWIFT Low Interest)	30.0	\$ 15,459,	50 26.67	8.00	\$	4,122,440	46.67	14.0	\$	7,214,270	26.67	8.00	\$	4,122,440
PHASE 1C SWIFT FUNDING SUMMARY		\$ 15,459,	50		\$	4,122,440			\$	7,214,270			\$	4,122,440
Cost Allocation Percentages						26.7%				46.7%				26.7%
FINANCIAL SERVICES														
FINANCIAL SERVICES FUNDING SUMMARY		\$ 560,	00		\$	53,333			\$	453,333			\$	53,333
TOTAL	\$ 16,019,1	50		\$	4,175,773			\$	7,667,603			\$	4,175,773	
Cost Allocation	5				26.1%				47.9%				26.1%	
TOTAL - MIDPOINT OF CO	NSTRUCTION	\$ 16,994,7	16		\$	4,430,078			\$	8,134,560			\$	4,430,078

Inflation Rate	
Midpoint of Construction	

3.00% 2019

onds that are issued.

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BCRUA Funding Evaluation Engineering and Construction Cost Estimate Summary

This document is released for interim review under the authority of Aaron Archer, Texas PE 100967 on January 2, 2017.

Item	Costs	Source/Notes
Phase 1C	\$16,931,450	Expansion of WTP and floating intake to 30 MGD (+ 1 sed basin/flocculators and equip for 2 filters)
Planning and Design Services	\$1,472,300	See Cost Development Worksheet.
Construction	\$15,459,150	See Cost Development Worksheet.

BCRUA Funding Evaluation

Cost Estimate Development

Note: The following costs are derived from the BCRUA Master Agreement Cost Allocation Spreadsheet which is based on Phase 1A costs and estimated Phase 1B-1D costs from the CDM PER and construction cost information obtained during Phase 1A.

	Constructed Capacity (mgd)	Su (E	ummer 2010 Cost Estimated or Bid)	E	scalated Costs (Jan 2017)	Notes/Comments			
Description									
PHASE 1C									
Engineering (10% of Total Construction Cost)	30	\$	1,016,340	\$	1,472,300				
Construction Phase Services (5% of Total Construction Cost)	30	\$	508,170	\$	736,150				
1.0 Treatment Structure									
1.01 30" Raw Water Venturi Meter and Rate of Flow Control Valve, and Hydraulic Rapid Mix 2C	43	\$	275,000	\$	333,000				
1.02 Flocculators 5A-5C thru 6A-6C (6 total) and Flocculated Water Channel	30	\$	809,500	\$	980,000				
Basin Inlet Channels, Sedimentation Basin 3 with Sludge 1.03 Collection Equipment for Basin #3, Basin Outlet Channel, Settled Water Channel with Valves and Gates	30	\$	1,873,500	\$	2,267,000				
1.04 Sludge Vault 2C and 12" Sludge Pipe	43	\$	151,000	\$	183,000				
Filter 5 & 6 (underdrains, media, troughs, effluent venturi meters, 1.05 rate of flow control valves, piping and miscellaneous valves)	30	\$	578,000	\$	700,000				
1.06 Air Scour/Backwash/Waste Backwash piping and valves	30	\$	117,000	\$	142,000				
2.0 Chemical Feed Facility					,				
2.01 1 Alum Metering Pumps, Control Valves and Piping	43	\$	48,000	\$	59,000				
2.02 1 Polymer Metering Pumps, 1 Drum Scale, Control Valves and Piping, Storage Improvements	43	\$	60,000	\$	73,000				
3.0 Disinfection Facility									
3.01 2 Sodium Hypochlorite Metering Pumps, Control Valve and Piping	43	\$	88,000	\$	107,000				
3.02 1 LAS Metering Pumps, Control Valves and Piping	43	\$	44,000	\$	54,000				
4.0 Sludge Dewatering Facility									
4.01 1 Sludge Thickener with Collector, Piping, Valves	43	\$	618,000	\$	748,000				
5.0 Floating Raw Water Intake Expansion									
5.01 Floating Intake Expansion	30	\$	3,807,500	\$	4,606,000	2010 Excel Bid Price			
6.0 Raw Water Improvements									
6.01 Raw Water Main CAVs				\$	450,000	From Ph 2 PER			
6.02 72" Cut-in Tees (3), 72" BFVs (4), Blind flanges (3), Dismantling Joint (1)				\$	800,000	From Ph 2 PER			
Subtota	\$	8,469,500	\$	11,502,000					
Contingency and Misc Not	\$	1,693,900	\$	3,221,000	28%				
Tota	I Construction Cost	\$	10,163,400	\$	14,723,000				
PHASE 1C TOTAL COST	\$	11,687,910	\$	16,931,450					

January 2, 2017.

Brushy Creek Regional Water Supply Project Capacity and Cost Allocation Updated: July 7, 2008

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Cost increased to account for improvements identified in Phase 1B

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