



Abridged Application

Due February 5, 2016 by 5:00pm

SWIFT@twdb.texas.gov

COURTESY COPY FOR REVIEW: ORIGINALLY SUBMITTED VIA ONLINE LOAN APPLICATION SYSTEM

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 INFORMATION

Name of Entity	County	Regional Water Planning Area
City of Austin *ORIGINALLY SUBMITTED VIA OLA*	Travis	K

Entity Contact Information

Contact Person	Name	Ms. Heather Cooke		
	Title	Legislative Coordinator		
Mailing Address	625 E. 10 th Street, Suite 300			
	Austin, TX 78701-2612			
Phone Number	(512) 972-0083	Fax Number		
Email Address	Heather.cooke@austintexas.gov			

PROJECT DESCRIPTION

Name of Project <i>(As it appears in the 2016 regional water plan)</i>	Direct Reuse Strategy			
Where can the project be found in the most recent Regional Water Plan?	Project described on page:	5-54 and 5-55	Capital costs listed on page:	5-56

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

Phase(s) Applied For	<input checked="" type="checkbox"/> Planning	<input checked="" type="checkbox"/> Acquisition	<input checked="" type="checkbox"/> Design	<input checked="" type="checkbox"/> Construction
Population Served When Fully Operational	1,158,346			

Description of Proposed Project

Austin's direct reuse strategy in the approved 2016 Region K Plan includes a series of projects to expand and enhance Austin's reclaimed water system infrastructure over the next 50 years. The reuse projects included in this SWIFT loan application are:

- Rehabilitation and expansion of the tertiary filtration system at South Austin Regional WWTP to improve effluent quality and increase capacity to 72 MGD
- Rehabilitation of the tertiary filtration system at Walnut Creek WWTP to improve effluent quality, increase reliability, and improve capacity to 75 MGD
- Construction of a 4 million gallon ground storage tank and pump station for reclaimed water system in the Montopolis area
- Construction of 12,000 feet of reclaimed main to establish a pressure zone in the Burleson area and allow for expansion of the reclaimed system to the Onion Creek area
- Construction of 19,000 feet of reclaimed transmission main to serve the Colony Park development and park, as well as the Travis County Expo Center
- Construction of 25,000 feet of reclaimed main to serve parks, a golf course, a school and developments in the Onion Creek area



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- Construction of 18,000 feet of reclaimed main to serve several cemeteries, a school, UT facilities, Huston-Tillotson University, and parks

Emergency
(select all that apply)

- Applicant/entity's water supply will last less than 180 days.
- Water supply need occurs earlier than anticipated in the State Water Plan.
- Applicant has received or applied for Federal emergency funding.
- None of the above.

Agricultural Efficiency Project?

- Yes
- No

Efficiency improvement achieved by implementing the project
(Please provide an attachment showing the basis for your calculation.)

- <1%
- 10%-13.9%
- 1%-1.9%
- 14%-17.9%
- 2%-5.9%
- ≥18%
- 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:

\$885.24

Annual Median Household Income:

38,429

The proposed project addresses:

- Conservation
- Water Loss
- N/A

Annual Volume of Water Produced/Conserved by the Project (in acre-feet per year)

Readiness to Proceed
(select all that apply)

- Preliminary planning or design work (30% of total project) has been completed or is not required.
- Applicant is prepared to begin implementation or construction within 18 months of application deadline.
- Applicant has acquired all water rights associated with the proposed project, or none will be required.

ESTIMATED COSTS

Estimated Project Costs	Low-interest Loan	\$ 86,980,456
	Deferred Loan	\$
	Board Participation	\$
	Local Contribution	\$
	Other:	\$
	Total Estimated Project Costs	\$ 86,980,456

Anticipated Commitments

Attach proposed schedule for multi-year commitments

- One-Time Commitment
- Multi-Year Commitments

Project Information Form #282918

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1. General Information

Project Information

Funding Type: SWIFT

2. Contact Information

Entity Contact Information	Engineering Firm Contact Information
Name of Entity: no value entered by user	Name of New Entity: City of Austin
County: Travis	Prefix: no value entered by user
Prefix: no value entered by user	First Name: Heather
First Name: no value entered by user	Last Name: Cooke
Last Name: no value entered by user	Addr 1: 625 E. 10th Street
Addr 1: no value entered by user	Addr 2: Suite 300
Addr 2: no value entered by user	City: Austin
City: no value entered by user	State: TX
State: TX	Zip: 78701-2612
Zip: no value entered by user	Phone: (512) 972-0083
Phone: no value entered by user	Fax: no value entered by user
Fax: no value entered by user	Suffix: no value entered by user
Suffix: no value entered by user	OrgName: no value entered by user
OrgName: no value entered by user	DeptName: Austin Water
DeptName: no value entered by user	Title: Legislative Coordinator
Title: no value entered by user	Email: heather.cooke@austintexas.gov
Email: no value entered by user	
Firm Name: no value entered by user	Make Changes: Y
Make Changes: Y	No Entity TxWISE Id

3. Service Area

Population Served: 1158346

4. Project Description

Project Name: Direct Reuse Strategy

Where can Project be found in the most recent Regional Water Plan?

Project listed on page: : 5-54 and 5-55

Capital costs on page: : 5-56

Region: K - LOWER COLORADO

Phase(s) Applied For

Planning: Y

Acquisition: Y

Design: Y

Construction: Y

Emergency

Applicant/entity's water supply will last less than 180 days.: N

Water Supply need occurs earlier than anticipated in the State Water Plan: N

Applicant has received or applied for Federal emergency funding.: N

None of the above.: Y

Agricultural Efficiency Project?: N

Estimated average annual residential water bill: \$885.24

Annual Median Household Income: \$76800.00

Project expected to produce water: Y

Project expected to conserve water: N

Annual Volume of Water Produced or Conserved: 38429.00

Project Long Desc: Austin's direct reuse strategy in the approved 2016 Region K Plan includes a series of projects to expand and enhance Austin's reclaimed water system infrastructure over the next 50 years. The reuse projects included in this SWIFT loan application are:

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**City of Austin SWIFT Loan Application
Submitted to Texas Water Development Board on February 4, 2016
Direct Reuse Strategy – Multiple Projects
PIF# 282918**

List of Public Water Systems Served By Projects

City of Austin – Austin Water Utility

5. Readiness to Proceed to Construction

Preliminary planning or design work (30% of total project) has been completed or is not required.:
Y

Applicant is prepared to begin implementation or construction within 18 months of application
deadline.: Y

Applicant has acquired all water rights associated with the proposed project, or none will be
required.: Y

6. Estimated Costs

TWDB Requested Amount

Low-Interest Loan Amount: \$86980456.00

Deferred Loan Amount: no value entered by user

Board Participation Amount: no value entered by user

Local Contribution Amount: no value entered by user

Other Amount: no value entered by user

Other Desc: no value entered by user

Total Estimated Project Costs: \$86980456.00

**City of Austin SWIFT Loan Applications - Submitted to Texas Water Development Board on February 4, 2016
Proposed Schedule for Multi-Year Commitments
Direct Reuse and Conservation Strategies**

Direct Reuse Strategy Projects												
Direct Reuse Project Name	Austin ID #	Calendar Year 2016 Austin FY 17	Calendar Year 2017 Austin FY18	Calendar Year 2018 Austin FY19	Calendar Year 2019 Austin FY20	Calendar Year 2020 Austin FY21	Calendar Year 2021 Austin FY22	Calendar Year 2022 Austin FY23	Reuse Totals			
But Creek WWTP Tertiary Filter Rehabilitation	3023-025	5,075,547	6,000,000	4,900,000	2,525,000	1,500,000			20,000,547			
Austin Regional WWTP Tertiary Filter Improvements	3333-015	4,402,909	6,000,000	6,000,000	6,000,000	5,930,000			28,332,909			
But Creek Reclaimed Water Main Phase 1	5267-025	530,000	1,155,000	1,835,000	1,610,000				5,130,000			
Metropolitan Reclaimed Water Reservoir and Pump Station	5267-035	5,285,000	4,695,000	1,050,000	120,000				11,150,000			
Johnson Road Reclaimed Water Pressure Conversion	5267-036	3,970,000	1,360,000	240,000					5,570,000			
Tertiary Reclaimed Water Main	5267-037	150,000	625,000	1,620,000	1,570,000	560,000			4,525,000			
Meridian Lane Reclaimed Main Phase 1	5267-049	1,015,000	2,755,000	2,402,000	300,000				6,472,000			
But Creek Reclaimed Water Main Phase 2	5267-061	-	95,000		435,000	1,120,000	1,925,000	2,225,000	5,800,000			
TOTALS	20,428,456	22,590,000	18,142,000	12,560,000	9,110,000	9,110,000	1,925,000	2,225,000	86,980,456	Direct Reuse Total		
Conservation Strategy - Advanced Meter Infrastructure (AMI) Project												
Austin ID #	Calendar Year 2016 Austin FY 17	Calendar Year 2017 Austin FY18	Calendar Year 2018 Austin FY19	Calendar Year 2019 Austin FY20	Calendar Year 2020 Austin FY21	Calendar Year 2021 Austin FY22	Calendar Year 2022 Austin FY23	AMI Total				
6935-057	195,000	5,000,000	10,000,000	10,000,000	10,000,000	25,000,000	20,000,000	80,195,000	AMI Total			
TOTALS	20,623,456	27,590,000	28,142,000	22,560,000	19,110,000	26,925,000	22,225,000	167,175,456	Combined Total			

This proposed schedule is based on the assumption that the City of Austin will borrow a total of \$167 million through Calendar Year 2022 (Austin's Fiscal Year 2023) for the AMI project and all of the Direct Reuse projects listed on this spreadsheet. If the total loan amount will be lower, adjustments may be needed to this schedule.

Austin's Fiscal Year starts on October 1 and ends on September 30. Austin is assuming that loan closings will occur between October 1 and December 31 of each year.

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Explanation of Annual Acre Feet of Reuse Water Produced

Two of the direct reuse projects included in this application involve the rehabilitation of the tertiary filtration systems for Austin's two major wastewater treatment plants (South Austin Regional and Walnut Creek). The South Austin Regional WWTP project will improve effluent quality and increase capacity to 72 MGD. The Walnut Creek WWTP project will improve effluent quality, increase reliability, and improve capacity to 75 MGD. These two projects combined will give Austin a total reuse water treatment capacity of 164,661 acre feet annually. However, anticipated annual demand for reuse water is projected to be 38,429 acre feet by 2070, as stated in the 2016 Region K Plan. The 38,429 acre feet figure was provided on the online PIF form.



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RECEIVED

2016 FEB -5 P 3: 29

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University, and parks			
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Agricultural Efficiency Project?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Efficiency improvement achieved by implementing the project <i>(Please provide an attachment showing the basis for your calculation.)</i>	
Household Cost Factor <i>(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.)</i>			
Estimated average annual residential water bill:	\$885.24	Annual Median Household Income:	\$76,800
The proposed project addresses:	<input type="checkbox"/> Conservation <input type="checkbox"/> Water Loss <input checked="" type="checkbox"/> N/A	Annual Volume of Water Produced/Conserved by the Project <i>(in acre-feet per year)</i>	38,429
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 Project Costs	Low-interest Loan	\$ 86,980,456	
	Deferred Loan	\$	
	Board Participation	\$	
	Local Contribution	\$	
	Other:	\$	
	Total Estimated Project Costs		\$ 86,980,456
Anticipated Commitments <i>Attach proposed schedule for multi-year commitments</i>		<input type="checkbox"/> One-Time Commitment	<input checked="" type="checkbox"/> Multi-Year Commitments