



Application

Abridged

5:00pm

Due February 3, 2017 by

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.

GENERAL INFORMATION

Name of Entity	County	Regional Water Planning Area
North Texas Municipal Water District	Collin (Primary)	C – Region C

Entity Contact Information

Contact Person	Name	Erik Felthous		
	Title	Finance Manager		
Mailing Address	501 E. Brown St.			
	Wylie, TX 75098			
Phone Number	469-626-4354	Fax Number	972-442-5400	
Email Address	efelthous@ntmwd.com			

PROJECT DESCRIPTION

Name of Project <i>(As it appears in the 2017 State Water Plan)</i>	Lower Bois d’Arc Creek Reservoir			
Where can the project be found in the most recent Regional Water Plan?	Project described on page:	5C.25	Capital costs listed on page:	5C.30 Q.49
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	1,900,000 in 2022			



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Description of Proposed Project
<p>Lower Bois d'Arc Creek Reservoir (LBCR) is projected to:</p> <ul style="list-style-type: none"> • Occupy an area of 16,526 acres in Fannin County • Supply 108 MGD • Be completed and supplying raw water in 2022 <p>NTMWD is requesting financial assistance with the following for LBCR:</p> <ul style="list-style-type: none"> • Reservoir Dam and Intake • Mitigation • Fannin County Road and Bridge Improvements • 72 MGD Raw Water Pump Station • 90-inch Raw Water Pipeline • Other (Boat Ramps, Parks, Clearing) <p>Note: - Also Serves counties: Dallas, Denton, Ellis, Fannin, Hunt, Kaufman, Rains, and Rockwall. - NTMWD is a Regional Wholesale provider of Potable Water. The residential water bill and household income have been estimated for the City of Plano, NTMWD's largest wholesale customer, based on information from the City of Plano's website, Texas Municipal League and the U.S. Census Bureau. - Public Water System ID numbers: Wylie PWS - # 0430044, Tawakoni PWS - # 1290052, Bonham PWS - # 0740051, Future Leonard/ North WTP - #NA.</p> <p>- NTMWD plans to receive the USACE Clean Water Act Section 404 Permit in January 2018. In June 2015, NTMWD received the TCEQ Water Rights Permit for the Lower Bois d'Arc Creek Reservoir.</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"/> Water supply need occurs earlier than anticipated in the State Water Plan. <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 <input checked="" type="checkbox"/> No	Efficiency improvement achieved by implementing the project <i>(Please provide an attachment showing the basis for your calculation.)</i>
		<input type="checkbox"/> <1% <input type="checkbox"/> 10%-13.9% <input type="checkbox"/> 1%-1.9% <input type="checkbox"/> 14%-17.9% <input type="checkbox"/> 2%-5.9% <input type="checkbox"/> ≥18% <input type="checkbox"/> 6%-9.9%

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:	\$251.02	Annual Median Household Income:	\$83,793

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	120,200	120,200	118,000	115,800	113,600



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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	\$ 884,930,910
	Deferred Loan	\$
	Board Participation	\$
	Local Contribution	\$
	Other:	\$
	Total Estimated Project Costs	\$ 884,930,910

Anticipated Commitments <i>Attach proposed schedule for multi-year commitments</i>	<input type="checkbox"/> One-Time Commitment	<input checked="" type="checkbox"/> Multi-Year Commitments
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Please attach a list of all water systems served by the proposed project.

See Attached Schedule

Beneficiaries of Lower Bois d'Arc Creek Reservoir and Leonard WTP, HS Pump Station, and Transmission lines

From Appendix H, Table H.23*, *2016 Region C Water Plan*

* Removed any NTWMD customers that were not allocated supply from Lower Bois d'Arc Creek Reservoir in DB17

Current Customers

Ables Springs WSC
Allen
Anna
Blackland WSC
Bonham
BHP WSC (Hunt Co portion)
Caddo Basin SUD
Cash SUD
College Mound WSC
Collin Co. Other
Copeville SUD
Crandall
Culleoka WSC
Denton County Other
East Fork SUD
Fairview
Farmersville
Fate
Forney
Forney Lake WSC
Frisco
Garland
Gastonia-Scurry SUD
Hackberry
Heath
High Point WSC
Howe
Hunt County Other
Josephine
Kaufman
Kaufman County Other
Lavon
Lavon WSC
Little Elm
Lowry Crossing
Lucas
McKinney
McLendon-Chisolm
Melissa
Mesquite

Potential Future Customers

Blue Ridge
Celina
Ector
Fannin County Other
Honey Grove
Leonard
Savoy
Southwest Fannin Co SUD
Trenton
Weston
Kaufman County Mining
Fannin County Mining

**Beneficiaries of Lower Bois d'Arc Creek Reservoir and Leonard WTP, HS
Pump Station, and Transmission lines**

From Appendix H, Table H.23*, *2016 Region C Water Plan*

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Current Customers

Potential Future Customers

- Milligan WSC
- Mt. Zion WSC
- Murphy
- Nevada
- North Collin WSC
- New Hope
- Oak Grove
- Parker
- Plano
- Post Oak Bend City
- Princeton
- Prosper
- RCH WSC
- Richardson
- Rockwall
- Rockwall Co. Other
- Rose Hill SUD
- Rowlett
- Royse City
- Sachse
- Saint Paul
- Scurry
- Seis Lagos UD
- Sunnyvale
- Talty
- Talty WSC
- Terrell
- The Colony
- Van Alstyne
- Wylie
- Wylie Northeast SUD
- Non-Municipal Customers
- Collin County Manufacturing
- Dallas County Manufacturing
- Denton County Manufacturing
- Fannin County Manufacturing
- Grayson County Manufacturing
- Kaufman County Manufacturing
- Kaufman County Steam Electric
- Rockwall County Manufacturing

SWIFT - Schedule for Multi-Year Commitments

	<u>Current Cost</u>	<u>Escalation</u>	<u>Total Cost</u>
<u>Total by Project</u>			
Lower Bois d'Arc Creek Reservoir - Q23			
Reimbursements (Authorized and to be Authorized)	\$ 189,314,000	0%	\$ 189,314,000
FY18 (12/2017 - 11/2018)	\$ 449,243,000	3%	\$ 462,720,290
FY19 (12/2018 - 11/2019)	\$ 216,783,000	6%	\$ 229,789,980
FY20 (12/2019 - 11/2020)	\$ 1,349,000	9%	\$ 1,470,410
FY21 (12/2020 - 11/2021)	\$ 1,349,000	12%	\$ 1,510,880
FY22 (12/2021 - 11/2022)	\$ 109,000	15%	\$ 125,350
	<u>\$ 858,147,000</u>		<u>\$ 884,930,910</u>
Treatment & Treated Water Distribution - Q28			
Reimbursements (Authorized and to be Authorized)	\$ 45,062,000	0%	\$ 45,062,000
FY18 (12/2017 - 11/2018)	\$ 32,962,000	3%	\$ 33,950,860
FY19 (12/2018 - 11/2019)	\$ 381,829,000	6%	\$ 404,738,740
FY20 (12/2019 - 11/2020)	\$ -	9%	\$ -
FY21 (12/2020 - 11/2021)	\$ -	12%	\$ -
FY22 (12/2021 - 11/2022)	\$ -	15%	\$ -
	<u>\$ 459,853,000</u>		<u>\$ 483,751,600</u>
<u>Total by Project</u>	<u>\$ 1,318,000,000</u>		<u>\$ 1,368,682,510</u>
<u>Total by SWIFT Bond Year</u>			
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