



**NORTH TEXAS MUNICIPAL
WATER DISTRICT**

Regional Service Through Unity

January 30, 2015

Mr. Tom Entsminger
Texas Water Development Board
Stephen F. Austin Building
1700 N. Congress Avenue
Austin, Texas 78701

**RE: SWIFT Funding Abridged Application
NTMWD Facility Improvements Project – Unique ID # 207**

Dear Mr. Entsminger:

The North Texas Municipal Water District (NTMWD) is pleased to submit the enclosed SWIFT Abridged Application for a portion of the Facility Improvements project. Enclosed are the SWIFT Abridged Application, the SWIFT Abridged Application Regional Project Worksheet and the Facility Improvements Spreadsheet.

We appreciate the opportunity to provide this application for financial assistance so that we may move forward in meeting our customer's needs. Please contact Erik Felthous at 972-442-5405 or via email efelthous@ntmwd.com at any time if you need further information.

Sincerely,

Judd Sanderson
Director of Finance

Enclosures



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.

Section 1. APPLICANT INFORMATION

Name of Applicant		Applicant County	Regional Water Planning Area	
North Texas Municipal Water District		Collin (Primary)	C - Region C	
Entity Contact Information		Proposed Project or Strategy from 2011 Regional Water Plan & State Water Plan		
Contact Person	Erik Felthous	Name of Project (from 2012 State Water Plan)	Facility Improvements	
Title	Budget Manager			
Mailing Address	505 E. Brown Street Wylie, TX 75098	Where does the project appear in the 2011 Regional Water Plan?	Project on Page:	9
			Capital Costs on Page:	9
Phone Number	972-442-5405	Phase(s) Applied For	<input type="checkbox"/> Planning <input type="checkbox"/> Design <input checked="" type="checkbox"/> Acquisition <input checked="" type="checkbox"/> Construction	
Fax Number	972-429-0893			
Email Address	efelthous@NTMWD.com			

Section 2. PROJECT INFORMATION

Description of Proposed Project	
<p>Facility Improvements: NTMWD is only requesting financial assistance with a portion of Facility Improvements Strategy.</p> <p>The portions of the Facility Improvements Project listed below will allow NTMWD to treat raw water from the Lower Bois d'Arc Reservoir and deliver it into it's transmission system.</p> <ul style="list-style-type: none"> - Leonard Water Treatment Plant Terminal Storage Reservoir - 70 MGD Leonard Water Treatment Plant (WTP) - 90 MGD Leonard Water Treatment Plant HSPS - Leonard Water Treatment Plant Substation/ Transmission Line - 84" Pipeline From Leonard WTP to Hwy 5 Pump Station <p>Please see attached spreadsheet for more detail.</p> <p>NTMWD plans to receive the USACE Clean Water Act Section 404 Permit and the TCEQ Water Rights Permit for the Lower Bois d'Arc Reservoir before the end of 2015.</p>	

Population Served by Project When Fully Operational	1.858M in 2020	Regional Project? <i>(If yes, attach Regional Project Worksheet)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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Regional Water Planning Group Priority Ranking	Calculated by TWDB 31 TAC §363.1304 (12)
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Needs Met by the Project	Calculated by TWDB 31 TAC §363.1304 (5)
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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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Readiness to Proceed <i>(select all that apply)</i>	<input 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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Section 3. REQUESTED ASSISTANCE AND OTHER PROJECT FINANCING

Estimated Project Costs	TWDB Requested Amount		\$ 360,216,000.00
	Local Contribution		\$ 33,791,000.00
	Other:	Other	\$
	Total Estimated Project Costs		

Anticipated Commitment(s) <i>(Attach proposed schedule for multi-year commitments)</i>	<input type="checkbox"/> One Time Commitment <input checked="" type="checkbox"/> Multi-year Commitment	<input checked="" type="checkbox"/> Low-Interest Loan <input type="checkbox"/> Deferred Loan <input type="checkbox"/> Board Participation
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Section 4. SERVICE AREA INFORMATION

PWS ID #	SEE BELOW	CCN #	N/A
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Conservation	Calculated by TWDB <u>31 TAC §363.1304 (11)</u>
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Efficiency <i>(Agricultural Projects Only)</i>	<input type="checkbox"/> <1% <input type="checkbox"/> 1%-1.9% <input type="checkbox"/> 2%-5.9% <input type="checkbox"/> 6%-9.9%	<input type="checkbox"/> 10%-13.9% <input type="checkbox"/> 14%-17.9% <input type="checkbox"/> ≥18%
Efficiency improvement achieved by implementing the proposed project.	<i>Please provide an attachment explaining the basis for your calculation.</i>	

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:	\$ 555.60	Annual Median Household Income:	\$ 82,484.00
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Notes
(Use this space to describe important project or budget details not captured in this form)

-Also serves the following counties: Dallas, Denton, Ellis, Fannin, Hunt, Kaufman, Rains, Rockwall
 -Public Water System ID numbers: Wylie - 0430044, Tawakoni - 1290052, Bonham - 0740051, Future Leonard/
 North WTP NA
 -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 obtained from the City of Plano's website, Texas Municipal League and the U.S. Census Bureau. The population numbers on the Regional Project Worksheet were obtained from the Texas Municipal League.

State Water Implementation Fund for Texas (SWIFT)

Abridged Application Regional Project Worksheet

Applicant: North Texas Municipal Water District

Project Name: Facility Improvements

Instructions: List all entities (aside from the applicant) that will be served by the proposed project. Use the "Rural" column to indicate the entities serving populations of 10,000 or fewer.

Press "Tab" to add new rows as needed.

Entity Name	Rural
1. Allen	
2. Farmersville	3542
3. Forney	
4. Frisco	
5. Garland	
6. McKinney	
7. Mesquite	
8. Plano	
9. Princeton	7732
10. Richardson	
11. Rockwall	
12. Royse City	
13. Wylie	
14. Ables Springs WSC	NA
15. Bonham	
16. BHP WSC	NA
17. Caddo Basin SUD	NA
18. Cash SUD	NA
19. College Mound SUD	NA
20. Copeville SUD	NA
21. East Fork SUD	NA
22. Fairview	8400
23. Fate	9832
24. Forney Lake WSC	NA
25. Gastonia-Scurry WSC	NA
26. Greater Texoma Utility Authority	NA
27. Josephine	1000
28. Kaufman	8945

State Water Implementation Fund for Texas (SWIFT)

Abridged Application Regional Project Worksheet

29.	Lavon SUD	NA
30.	Little Elm	
31.	Lucas	NA
32.	Melissa	6112
33.	Milligan WSC	NA
34.	Mt. Zion WSC	NA
35.	Murphy	
36.	Nevada WSC	NA
37.	North Collin WSC	NA
38.	Parker	4111
39.	Prosper	
40.	Rose Hill SUD	NA
41.	Rowlett	
42.	Sachse	
43.	Seis Lagos Utility District	NA
44.	Sunnyvale	5651
45.	Terrell	
46.	Wylie Northeast SUD	NA
47.	Crandall	NA

NTMWD - SWIFT Funding
Facility Improvements Spreadsheet
Based on 1/19/15 Eng CIP

	SWIFT	NTMWD	TOTAL
Total \$M	\$ 360.216	\$ 33.791	\$ 394.007
	91%	9%	-

Leonard WTP Terminal Storage Reservoir

SWIFT NTMWD

Award Current	FY End	Project	Typ	Current Cost \$M	Current Cost \$M	Funding
2/23/2017	8/23/2017	Leonard WTP Terminal Storage Reservoir - Phase I (210 MG) - Preliminary Design	1-Eng		\$ 0.662	17 Cap Imp
8/24/2017	12/18/2019	Leonard WTP Terminal Storage Reservoir - Phase I (210 MG) - Design	1-Eng		\$ 1.540	17 Cap Imp
6/28/2018	12/18/2019	Leonard WTP Terminal Storage Reservoir - Phase I (210 MG) - Construction	11-Cnstr	\$ 26.600		18 Bonds
7/26/2018	11/20/2019	Leonard WTP Terminal Storage Reservoir - Phase I (210 MG) - Inspection	10-Insp	\$ 0.276		18 Bonds
12/20/2018	12/18/2019	Leonard WTP Terminal Storage Reservoir - Phase I (210 MG) - Materials Testing - Construction	11-Cnstr	\$ 1.000		18 Bonds
				\$ 27.876	\$ 2.202	\$ 30.08

70 MGD Leonard WTP Site Phase I

SWIFT NTMWD

Award Current	FY End	Project	Typ	Current Cost \$M	Current Cost \$M	Funding
6/25/2015	9/30/2015	70 MGD Leonard WTP Site Phase I - Additional Property Acquisition - Property	4-Prop		\$ 0.750	15 Cap Imp
6/25/2015	6/22/2016	70 MGD Leonard WTP Site Phase I - Geotech Testing and Piloting	1-Eng		\$ 1.000	15 Cap Imp
6/25/2015	12/16/2015	70 MGD Leonard WTP Site Phase I - Preliminary Design	1-Eng		\$ 2.060	15 Bonds
11/19/2015	8/24/2016	70 MGD Leonard WTP Site Phase I - Legal	5-Legal		\$ 0.103	16 Cap Imp
12/17/2015	12/9/2019	70 MGD Leonard WTP Site Phase I - Final Design	1-Eng		\$ 14.200	15 Bonds
3/24/2016	12/9/2019	70 MGD Leonard WTP Site Phase I - CMAR Pre-Construction Services - Construction	11-Cnstr		\$ 0.500	16 Cap Imp
6/22/2017	12/9/2019	70 MGD Leonard WTP Site Phase I - Construction	11-Cnstr	\$ 172.000		17 Bonds
7/27/2017	11/4/2019	70 MGD Leonard WTP Site Phase I - Inspection	10-Insp	\$ 2.320		17 Bonds
1/25/2018	12/9/2019	70 MGD Leonard WTP Site Phase I - Materials Testing - Construction	11-Cnstr	\$ 1.000		17 Bonds
				\$ 175.320	\$ 18.613	\$ 193.93

90 MGD Leonard Water Treatment Plant HSPS

SWIFT NTMWD

Award Current	FY End	Project	Typ	Current Cost \$M	Current Cost \$M	Funding
2/25/2016	8/24/2016	90 MGD Leonard Water Treatment Plant HSPS - Preliminary Design	1-Eng		\$ 1.100	16 Cap Imp
8/25/2016	8/22/2017	90 MGD Leonard Water Treatment Plant HSPS - Final Design	1-Eng		\$ 2.580	16 Cap Imp
10/26/2017	4/22/2020	90 MGD Leonard Water Treatment Plant HSPS - Construction	11-Cnstr	\$ 24.500		17 Bonds
11/16/2017	3/18/2020	90 MGD Leonard Water Treatment Plant HSPS - Inspection	10-Insp	\$ 0.735		17 Bonds
				\$ 25.235	\$ 3.680	\$ 28.915

Leonard WTP Substation/Transmission Line

SWIFT NTMWD

Award Current	FY End	Project	Typ	Current Cost \$M	Current Cost \$M	Funding
4/23/2015	9/24/2018	Leonard WTP Substation/Transmission Line - Design, Coordination Review, and Approval - Design	1-Eng		\$ 0.726	15 Cap Imp
3/23/2017	9/24/2018	Leonard WTP Substation/Transmission Line - Construction	11-Cnstr	\$ 19.200		17 Bonds
4/27/2017	8/27/2018	Leonard WTP Substation/Transmission Line - Inspection	10-Insp	\$ 0.379		17 Bonds
				\$ 19.579	\$ 0.726	\$ 20.305

84" PL from Leonard WTP to Hwy 5 Pump Station (McKinney No. 4)

SWIFT NTMWD

Award Current	FY End	Project	Typ	Current Cost \$M	Current Cost \$M	Funding
2/25/2016	2/22/2017	84" PL from Leonard WTP to Hwy 5 Pump Station (McKinney No. 4) - Preliminary Design	1-Eng		\$ 2.570	16 Cap Imp
10/27/2016	10/22/2018	84" PL from Leonard WTP to Hwy 5 Pump Station (McKinney No. 4) - Property	4-Prop	\$ 4.670		16 Bonds
2/23/2017	4/29/2020	84" PL from Leonard WTP to Hwy 5 Pump Station (McKinney No. 4) - Final Design	1-Eng		\$ 6.000	17 Cap Imp
10/25/2018	4/29/2020	84" PL from Leonard WTP to Hwy 5 Pump Station (McKinney No. 4) - Construction	11-Cnstr	\$ 106.000		18 Bonds
11/15/2018	3/25/2020	84" PL from Leonard WTP to Hwy 5 Pump Station (McKinney No. 4) - Inspection	10-Insp	\$ 0.536		18 Bonds
4/25/2019	4/29/2020	84" PL from Leonard WTP to Hwy 5 Pump Station (McKinney No. 4) - Materials Testing - Construction	11-Cnstr	\$ 1.000		19 Bonds
				\$ 112.206	\$ 8.570	\$ 120.78