



**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

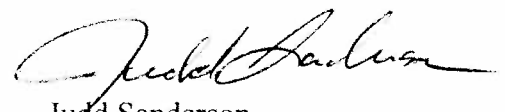
**RE: SWIFT Funding Abridged Application
NTMWD Lower Bois d'Arc Creek Reservoir Project - Unique ID # 393**

Dear Mr. Entsminger:

The North Texas Municipal Water District (NTMWD) is pleased to submit the enclosed SWIFT Abridged Application for the Lower Bois d'Arc Creek Reservoir project. Enclosed are the SWIFT Abridged Application, the SWIFT Abridged Application Regional Project Worksheet and the Lower Bois d'Arc Creek Reservoir Spreadsheet. Please note that 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 Project before the end of 2015.

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)	Lower Bois d'Arc Creek Reservoir	
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:	12
			Capital Costs on Page:	12
Phone Number	972-442-5405	Phase(s) Applied For	<input type="checkbox"/> Planning	<input type="checkbox"/> Design
Fax Number	972-429-0893		<input checked="" type="checkbox"/> Acquisition	<input checked="" type="checkbox"/> Construction
Email Address	efelthous@NTMWD.com			

Section 2. PROJECT INFORMATION

Description of Proposed Project

Lower Bois d'Arc Reservoir is projected to:

- Occupy an area of 16,526 acres in Fannin County
- Supply 113 MGD
- Be completed and supplying raw water in 2020

NTMWD is requesting financial assistance with the following for LBCR:

- Mitigation
- FM 897 and County Roads Relocations
- Dam
- Intake & Pump Station
- 90" Pipeline (Raw Water)
- Other (Boat Ramps, Parks, Clearing)

Please see attached spreadsheet for more detail.

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.

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
Regional Water Planning Group Priority Ranking	Calculated by TWDB 31 TAC §363.1304 (12)			
Needs Met by the Project	Calculated by TWDB 31 TAC §363.1304 (5)			

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		\$ 430,650,000.00
	Local Contribution		\$ 207,543,000.00
	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	<i>Calculated by TWDB 31 TAC §363.1304 (11)</i>
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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: Lower Bois d'Arc Creek Reservoir

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

Lower Bois d'Arc Creek Reservoir Spreadsheet

Based on 1/19/15 Eng CIP

	SWIFT	NTMWD	TOTAL
Total \$M	\$ 430.650	\$ 207.543	\$ 638.193
	67%	33%	-

Lower Bois d'Arc Lake Mitigation

Award Current	FY End	Project	Typ	Current Cost \$M	Current Cost \$M	Funding
Sep-14		Lower Bois d'Arc Creek Reservoir -Mitigation	EN		\$ 1.510	14 Bonds
4/23/2015	2/24/2016	Lower Bois d'Arc Creek Reservoir -Mitigation - CMAR Pre-Construction Services - Construction	11-Cnstr		\$ 0.500	15 Cap Imp
4/23/2015	3/28/2018	Lower Bois d'Arc Creek Reservoir - Riverby - Mitigation Design & Specs - Mitigation - Design	1-Eng		\$ 4.407	15 Bonds
10/22/2015	4/27/2016	Lower Bois d'Arc Creek Reservoir - Riverby - Initial Mitigation - Construction	11-Cnstr		\$ 3.000	15 Bonds
2/25/2016	2/21/2017	Lower Bois d'Arc Creek Reservoir - Riverby - Phase I Mitigation - Construction	11-Cnstr	\$ 35.000		16 Bonds
3/24/2016	8/31/2016	Lower Bois d'Arc Creek Reservoir - Mitigation - Acquisition of Property/Easements - Property	4-Prop	\$ 6.010		16 Bonds
3/24/2016	1/24/2017	Lower Bois d'Arc Creek Reservoir - Phase I Mitigation - Inspection	10-Insp	\$ 0.572		16 Bonds
2/23/2017	3/28/2018	Lower Bois d'Arc Creek Reservoir - Riverby - Phase II Mitigation - Construction	11-Cnstr	\$ 38.100		17 Bonds
3/23/2017	1/22/2018	Lower Bois d'Arc Creek Reservoir - Phase II Mitigation - Inspection	10-Insp	\$ 0.572		17 Bonds
4/26/2018	4/24/2019	Lower Bois d'Arc Creek Reservoir - Final Riverby, etc. - Replanting and Monitoring - Mitigation	7-Perm/Mit		\$ 0.103	18 Cap Imp
4/25/2019	4/22/2020	Lower Bois d'Arc Creek Reservoir - Final Riverby, etc. - Replanting and Monitoring - Mitigation	7-Perm/Mit		\$ 0.103	19 Cap Imp
4/23/2020	4/28/2021	Lower Bois d'Arc Creek Reservoir - Final Riverby, etc. - Replanting and Monitoring - Mitigation	7-Perm/Mit		\$ 0.103	20 Cap Imp
4/22/2021	4/27/2022	Lower Bois d'Arc Creek Reservoir - Final Riverby, etc. - Replanting and Monitoring - Mitigation	7-Perm/Mit		\$ 0.103	21 Cap Imp
4/28/2022	3/29/2023	Lower Bois d'Arc Creek Reservoir - Final Riverby, etc. - Replanting and Monitoring - Mitigation	7-Perm/Mit		\$ 0.103	22 Cap Imp
				80.254	9.932	90.186

Lower Bois d'Arc Creek Reservoir - FM 897 and County Roads Relocation

Award Current	FY End	Project	Typ	Current Cost \$M	Current Cost \$M	Funding
4/23/2015	10/21/2015	Lower Bois d'Arc Creek Reservoir - FM 897 and County Roads Relocation -Preliminary Design	1-Eng		\$ 1.234	15 Cap Imp
10/22/2015	6/25/2018	Lower Bois d'Arc Creek Reservoir - FM 897 Relocation - Final Design	1-Eng		\$ 2.970	16 Cap Imp
10/22/2015	6/25/2018	Lower Bois d'Arc Creek Reservoir - County Roads Relocation -Final Design	1-Eng		\$ 0.773	16 Cap Imp
11/19/2015	6/25/2018	Lower Bois d'Arc Creek Reservoir - FM 897 and County Roads Relocation - CMAR Pre-Construction Services - Construction	11-Cnstr		\$ 0.500	16 Cap Imp
3/24/2016	12/20/2016	Lower Bois d'Arc Creek Reservoir - FM 897 Relocation - ROW Acquisition - Property	4-Prop	\$ 1.470		16 Bonds
4/28/2016	4/25/2017	Lower Bois d'Arc Creek Reservoir - County Roads Relocation - ROW Acquisition - Property	4-Prop	\$ 0.709		16 Bonds
12/15/2016	6/25/2018	Lower Bois d'Arc Creek Reservoir - FM 897 Relocation - Construction	11-Cnstr	\$ 33.300		16 Bonds
6/22/2017	6/25/2018	Lower Bois d'Arc Creek Reservoir - County Roads Relocation -Construction	11-Cnstr	\$ 6.430		17 Bonds
6/22/2017	6/25/2018	Lower Bois d'Arc Creek Reservoir - FM 897 Relocation - Materials Testing - Construction	11-Cnstr	\$ 2.000		17 Bonds

7/27/2017	5/28/2018	Lower Bois d'Arc Creek Reservoir - County Roads Relocation -Inspection	10-Insp	\$ 0.263		17 Bonds
12/18/2017	6/25/2018	Lower Bois d'Arc Creek Reservoir - County Roads Relocation-Materials Testing - Construction	11-Cnstr	\$ 0.500		17 Bonds
				\$ 44.672	\$ 5.477	\$ 50.149

Lower Bois d'Arc Creek Reservoir Dam

SWIFT NTMWD

Award Current	FY End	Project	Typ	Current Cost \$M	Current Cost \$M	Funding
Nov-13		Lower Bois d'Arc Creek Reservoir Dam	EN		\$ 3.091	Cap Imp
Oct-14		Lower Bois d'Arc Creek Reservoir Dam	EN		\$ 4.108	14 Bonds
3/26/2015	9/23/2015	Lower Bois d'Arc Creek Reservoir Dam - CMAR Pre-Construction Services - Construction	11-Cnstr		\$ 0.500	15 Cap Imp
9/24/2015	9/26/2017	Lower Bois d'Arc Creek Reservoir Dam - Phase I Construction	11-Cnstr		\$ 39.000	15 Bonds
10/22/2015	8/29/2017	Lower Bois d'Arc Creek Reservoir Dam - Phase I Inspection	10-Insp		\$ 2.244	15 Bonds
3/24/2016	9/28/2018	Lower Bois d'Arc Creek Reservoir Dam - Phase II Construction	11-Cnstr	\$ 53.600		16 Bonds
3/24/2016	9/28/2018	Lower Bois d'Arc Creek Reservoir Dam - Materials Testing - Construction	11-Cnstr	\$ 2.000		16 Bonds
4/28/2016	5/25/2018	Lower Bois d'Arc Creek Reservoir Dam - Phase II Inspection	10-Insp	\$ 2.060		16 Bonds
10/27/2016	6/25/2018	Lower Bois d'Arc Creek Reservoir - Conflict Relocations (Utilities, MUD CNN, North WTP Dam, & Lake Bonham Protection)	11-Cnstr	\$ 12.800		16 Bonds
11/17/2016	5/21/2018	Lower Bois d'Arc Creek Reservoir - Conflict Relocations (Utilities, MUD CNN, North WTP Dam, & Lake Bonham Protection)	10-Insp	\$ 0.159		16 Bonds
				\$ 70.619	\$ 48.943	\$ 119.562

Lower Bois d'Arc Creek Reservoir Intake & PS

SWIFT NTMWD

Award Current	FY End	Project	Typ	Current Cost \$M	Current Cost \$M	Funding
Apr-14		Lower Bois d'Arc Creek Reservoir Intake & PS	EN		\$ 0.200	Cap Imp
Aug-14		Lower Bois d'Arc Creek Reservoir Intake & PS	EN		\$ 1.293	Cap Imp
2/26/2015	4/25/2019	Lower Bois d'Arc Creek Reservoir PS - Power- Escrow Account - Design	1-Eng		\$ 1.570	15 Cap Imp
2/25/2016	12/9/2019	Lower Bois d'Arc Creek Reservoir PS - Final Design	1-Eng		\$ 2.820	16 Cap Imp
6/22/2017	12/9/2019	Lower Bois d'Arc Creek Reservoir PS - Construction	11-Cnstr	\$ 33.500		17 Bonds
6/22/2017	12/9/2019	Lower Bois d'Arc Creek Reservoir PS - Discharge Pipeline - Construction	11-Cnstr	\$ 2.780		17 Bonds
7/27/2017	11/4/2019	Lower Bois d'Arc Creek Reservoir PS - Inspection	10-Insp	\$ 0.336		17 Bonds
10/26/2017	4/25/2019	Lower Bois d'Arc Creek Reservoir PS - Power - Construction	11-Cnstr	\$ 11.030		17 Bonds
12/15/2022	2/25/2026	Lower Bois d'Arc Creek Reservoir PS - 1 Pump at 56 MGD - Design	1-Eng		\$ 0.438	23 Cap Imp
2/22/2024	2/25/2026	Lower Bois d'Arc Creek Reservoir PS - 1 Pump at 56 MGD - Construction	11-Cnstr		\$ 4.070	24 Cap Imp
3/28/2024	1/28/2026	Lower Bois d'Arc Creek Reservoir PS - 1 Pump at 56 MGD - Inspection	10-Insp		\$ 0.044	24 Cap Imp
				\$ 47.646	\$ 10.435	\$ 58.081

Lower Bois d'Arc Creek Reservoir 90" Pipeline

SWIFT NTMWD

Award Current	FY End	Project	Typ	Current Cost \$M	Current Cost \$M	Funding
4/28/2016	4/29/2020	Lower Bois d'Arc Creek Reservoir 90" Pipeline and 84" Treated Waterline - CMAR Pre-Construction Services - Construction	11-Cnstr		\$ 0.500	16 Cap Imp
4/28/2016	2/18/2019	Lower Bois d'Arc Creek Reservoir 90" Pipeline - Final Design	1-Eng		\$ 9.730	16 Bonds
6/23/2016	8/29/2017	Lower Bois d'Arc Creek Reservoir 90" Pipeline - Parcels Along Pipeline Right of Way (ROW) - Property	4-Prop	\$ 6.870		16 Bonds
8/24/2017	2/18/2019	Lower Bois d'Arc Creek Reservoir 90" Pipeline - Construction	11-Cnstr	\$ 167.000		17 Bonds
9/28/2017	1/28/2019	Lower Bois d'Arc Creek Reservoir 90" Pipeline - Inspection	10-Insp	\$ 0.854		17 Bonds
2/22/2018	2/18/2019	Lower Bois d'Arc Creek Reservoir 90" Pipeline - Materials Testing - Construction	11-Cnstr	\$ 1.000		18 Bonds
				\$ 175.724	\$ 10.230	\$ 185.95

Lower Bois d'Arc Creek Reservoir Other

SWIFT NTMWD

Award Current	FY End	Project	Typ	Current Cost \$M	Current Cost \$M	Funding
03/04		Project No. WCF 04-1 - Aerial Mapping	EN		\$ 0.097	Unallocated
09/03		Project No. 015 - Ph I Feasibility Study (WCF 03-11)	EN		\$ 0.242	Unallocated
01/06		Project No. 033 - Ph II Feasibility Study (WCF 06-1)	EN+		\$ 3.443	Unallocated
10/12		Project No. 120 - Land Acquisition	EN		\$ 0.039	2009D Bonds
10/12		Project No. 120 - Land Acquisition	CN		\$ 0.077	2009D Bonds
9/10		Project No. 120 - Land Acquisition	PROP		\$ 14.713	2009D Bonds
10/12		Project No. 120 - Land Acquisition	PROP		\$ 0.100	2009D Bonds
6/08		Project No. 120 - Land Acquisition	PROP		\$ 38.581	Unallocated
9/09		Project No. 197 - Riverby Ranch (14,727 Ac)	PROP		\$ 4.000	Unallocated
9/09		Project No. 197 - Riverby Ranch (14,727 Ac)	PROP		\$ 30.244	2009D Bonds
9/08		Project No. 160 - Phase III Eng	EN		\$ 1.000	2008 Bonds
5/09		Project No. 160 - Phase III Eng	EN		\$ 3.524	2009A Bonds
8/09		Project No. 192 - Environmental Impact Statement	EN		\$ 2.000	2009A Bonds
4/11		Project No. 237 - Survey	LE		\$ 1.408	2009A Bonds
9/11		Project No. 267 - Environmental Study	EN		\$ 0.057	2009D Bonds
1/13		Project No. 317 - Reservoir Study	EN		\$ 2.239	2009A Bonds
2/14		Project No. 351 - Phase III B Eng	EN+		\$ 1.000	Unallocated
4/14		Project No. 359 - Mitigation Property Survey	PERM		\$ 0.119	Unallocated
9/14		Project No. 362 - Legal Services for Power Supply	EN		\$ 0.130	Unallocated

6/14		Project No. 362 - Legal Services for Power Supply (Less YE Expense)	LE		\$ 0.033	Unallocated
7/11		Project No. 257 - Update to Economic, Fiscal and Developmental Impacts Report Mitigation Property	EN		\$ 0.014	Unallocated
11/20/2014	11/15/2016	Lower Bois d'Arc Creek Reservoir - Program Management - Design	1-Eng		\$ 0.450	Cap Imp
11/20/2014	3/31/2015	Lower Bois d'Arc Creek Reservoir - Basic Engr/Plan Phase IIIB (Discovery and Hearing Preparation) - Permitting	6-Perm		\$ 0.700	14 Bonds
11/20/2014	3/31/2015	Lower Bois d'Arc Creek Reservoir - Discovery and Hearing Preparation - Permitting and Legal	5-Legal		\$ 0.250	14 Bonds
1/22/2015	11/15/2016	Lower Bois d'Arc Creek Reservoir - Program Management CMAR - Legal	5-Legal		\$ 0.015	Cap Imp
3/26/2015	8/30/2015	Lower Bois d'Arc Creek Reservoir - Archeological Field Survey - Riverby - Phase II Permitting and Legal	5-Legal		\$ 0.400	15 Cap Imp
4/23/2015	10/28/2015	Lower Bois d'Arc Creek Reservoir - Acquisition of Property (Includes Surveying & Legal) - Property	4-Prop		\$ 7.430	14 Bonds
6/25/2015	10/30/2015	Lower Bois d'Arc Creek Reservoir - Additional LBCR Environmental Analysis - Preliminary Design	1-Eng		\$ 0.320	15 Cap Imp
6/25/2015	8/25/2016	Lower Bois d'Arc Creek Reservoir - Conflict Relocations - Design	1-Eng		\$ 1.500	15 Bonds
7/23/2015	1/27/2016	Lower Bois d'Arc Creek Reservoir - Basic Engineering- Permitting	6-Perm		\$ 0.490	15 Cap Imp
7/23/2015	1/27/2016	Lower Bois d'Arc Creek Reservoir - Water Right and 404 - Permitting and Legal	5-Legal		\$ 0.700	15 Cap Imp
8/27/2015	6/26/2018	Lower Bois d'Arc Creek Reservoir Clearing - Final Design	1-Eng		\$ 0.234	15 Cap Imp
9/24/2015	3/23/2016	Lower Bois d'Arc Creek Reservoir - Acquisition of Property (Includes Surveying & Legal) - Property	4-Prop		\$ 6.450	15 Bonds
4/28/2016	6/25/2018	Lower Bois d'Arc Creek Reservoir - Boat Ramps and Parks - Design	1-Eng		\$ 0.530	16 Cap Imp
6/23/2016	6/26/2018	Lower Bois d'Arc Creek Reservoir Clearing - Construction	11-Cnstr	\$ 4.900		16 Bonds
4/27/2017	12/25/2017	Lower Bois d'Arc Creek Reservoir - Acquisition of Property (Includes Surveying & Legal) - Property	4-Prop	\$ 3.260		17 Bonds
6/22/2017	6/25/2018	Lower Bois d'Arc Creek Reservoir - Boat Ramps and Parks - Construction	11-Cnstr	\$ 3.540		17 Bonds
7/27/2017	5/28/2018	Lower Bois d'Arc Creek Reservoir - Boat Ramps and Parks - Inspection	10-Insp	\$ 0.035		17 Bonds
				\$ 11.735	\$ 122.527	\$ 134.26