



A joint regional project of the City of Santa Fe and Santa Fe County to build a reliable and sustainable water supply.

Memorandum

Date: December 1, 2016
To: Buckman Direct Diversion Board
From: Erick LaMonda, Interim Operations Superintendent
Subject: Update on BDD Operations for the Month of November 2016

ITEM:

1. This memorandum is to update the Buckman Direct Diversion Board (BDDDB) on BDD operations during the month of November 2016. The BDD diversions and deliveries have averaged, in Million Gallons Daily (MGD) as follows:
 - a. Raw water diversions: 6.63 MGD Average
 - b. Finished Drinking water deliveries through Booster Station 4A: 5.55 MGD Average
 - c. Finished Drinking water deliveries through Booster Station 5A: 0.58 MGD Average
 - d. Raw water delivery to Las Campanas at BS2A: 13.06 MGD Total.
 - e. 2016 Raw water diversions year to date: 1,657.27 MGD Total
2015 Raw water diversions for the same time period: 1541.52 MGD Total
2. The BDD is providing approximately 77 percent of the water supply to the City and County for the month.
3. The current Drought Update Summary and Reservoir Storage Status are attached.



Drought, Monsoon/El Nino, and ESA Update

NOAA has recently updated (11/10/16) ENSO (El Nino/La Niña) status to: **La Niña conditions are present and slightly favored to persist (~55% chance) during winter 2016-17.** Dry conditions in 2016/17 could present significant challenges to all water purveyors, water utilities, and irrigators if there is not significant filling and carry-over storage in regional reservoirs. Regional reservoir levels on the Rio Grande and Chama Rivers are still low. Upper Santa Fe River reservoirs are low so City draw down has been reduced accordingly, with a corresponding increase in BDD diversions from the Rio Grande, and moderate increases in groundwater well use. Preliminary estimates are for an approximate 95%-100% delivery of full firm-yield of San Juan-Chama Project (SJCP) water. There are no water-related Endangered Species Act (ESA) updates. Updates on ESA issues will be made as needed. Rio Grande Compact Article VII storage restrictions went back into effect 4/22/16, which means the City will not be allowed to impound “native” runoff into Nichols and McClure Reservoirs above the pre-Compact pool of 1,061 acre-feet (AF) (unless an exchange for water is made with the NMISC). Updates to this condition will be made as needed.

Most current City of Santa Fe October, 2016 SJCP Reservoir Storage:

Heron:

5,029 AF. 2016 deliveries are at about 95% of annual total.

El Vado:

1,236 AF.

Abiquiu:

10,481 AF SJCP carry-over from previous years, no time limit to vacate due to storage agreement with ABCWUA

TOTAL:

16,746 AF



STORM WATER QUALITY MONITORING OF RIO GRANDE AT BUCKMAN DIRECT DIVERSION

Annual Report 2015

Daniela K. Bowman

Regulatory Compliance Officer

Published by Buckman Direct Diversion
341 Caja del Rio Road, Santa Fe, New Mexico 87506

Executive Summary

The storm water monitoring effort of the Rio Grande at Buckman Direct Diversion (BDD) was conceived as a part of the five years Memorandum of Understanding (MOU) between the Buckman Direct Diversion Board and the US Department of Energy, Los Alamos National Laboratory (DOE LANL) signed by the parties in 2010. A four years report was produced by BDD and summarized the results from that MOU. In 2015 a revised MOU between the parties were signed and this annual report presents the results from the first year of monitoring, summer of 2015, under the 2015 MOU.

The BDD is the source of raw water for the Buckman Regional Water Treatment Plant which treats river water for drinking water purposes. The treated water is then used by the City and County of Santa Fe to supply drinking water to their customers. The objective of the 2015 MOU surface water monitoring program was to sample potential flows from the Los Alamos and Pueblo Canyons (LA/PC) watershed and from the Rio Grande (RG) watershed, and the results were to be used to evaluate the storm water quality of the Rio Grande at BDD. The Los Alamos and Pueblo Canyons are located on the Pajarito Plateau where for decades Los Alamos National Laboratory had discharged contaminated waste and wastewater as part of the “Manhattan Project” and later LANL’s nuclear weapons program. The confluence of these canyons with the Rio Grande is located nearby Otowi Bridge, 3.5 miles upgradient from BDD. Another goal of the 2015 MOU was to find an operational parameter or parameters of the Diversion which will help with identifying more specific events when diversion should be halted and when diversion does not need to be halted due to the discharges from the Canyons. Thus, a more efficient and economical monitoring could be applied.

In 2015 BDD sampled 6 out of 12 storm events in LA/PC watershed, and three RG baseflow events. The NMED/DOE OB also sampled a couple of events at BDD, and the data from those is included in the report. *However, BDD would like to stress that even though the NMED/DOE OB data was used throughout this report, data presentations, interpretations, discussions and conclusions were conducted solely by BDD staff and do not represent the opinion of the NMED/DOE OB staff and management.*

The LA/P Canyons are ephemeral streams and when they flow, their run off may carry contaminants from the canyons, discharge them into the Rio Grande near Otowi Bridge and transport them downstream to BDD. The contaminants of greatest concern that could potentially be transported from LA/PCW to BDD via the Rio Grande are radionuclides used and discharged throughout the years of LANL operations, specifically, Plutonium 239/240, Plutonium 238, Americium 241, Strontium 90, Cesium 137, and Uranium isotopes. All 23 metals are also monitored at BDD as a part of the sampling effort. Most radionuclides and metals preferentially transport by suspended sediments, thus storm events would result in storm water samples with higher concentrations of these contaminants than under base flows conditions of the river.

This report summarizes all monitoring data collected during summer of 2015 at the BDD. It also compares found contaminant concentrations to the BDD-calculated Rio Grande sediment background

and NMWQCC surface water standards (20.6.4 NMAC) to investigate exceedances from screening values or regulatory limits. During the 2015 season, only a limited number of radionuclides were detected in storm water and base flow samples, Plutonium 238, Plutonium 239/240, Strontium 90, Radium 226, Radium 228, Uranium 234, Uranium 235, and Uranium 238. Except for Sr 90, all detected radionuclides had exceedances from the Rio Grande background levels. Only the sum of Ra 226 and Ra 228 and gross alpha concentrations exceeded the NM WQCC surface water standards.

The concentrations of fifteen metals exceeded the Rio Grande background levels. Those were Al, Sb, Ba, Be, B, Cr, Co, Cu, Pb, Hg, Ni, Se, Tl, U, and Zn. The concentrations of four metals exceeded the NM WQCC standards for dissolved metals: Al, Cd, Cu, and Zn.

Most detections of total PCBs and Dioxins/Furans exceeded the NM WQCC standards, but the concentrations of perchlorate were within the limits observed in groundwater wells as previously measured.

In addition to monitoring the Rio Grande surface water, BDD is conducting a study on The Removal Efficiency and Assessment of Treatments (TREAT). The results from the first two sampling events for the TREAT study were presented but not interpreted at this time. A special report on that study will be issued after all sampling events are completed.

BDD continues to monitor the storm water at the Diversion under the 2015 MOU. For more information on the second phase of the program contact BDD at 505-955-4504.



STORM WATER QUALITY MONITORING OF RIO GRANDE AT BUCKMAN DIRECT DIVERSION

2015 Annual Report

2015 Memorandum of Understanding

Abbreviations in Presentation



- ❖ BDD – Buckman Direct Diversion
- ❖ BDDDB - Buckman Direct Diversion Board
- ❖ DOE – Department of Energy
- ❖ LAC – Los Alamos Canyon
- ❖ LANL – Los Alamos National Laboratory
- ❖ MOU – Memorandum of Understanding
- ❖ NMWQCC – New Mexico Water Quality Control Commission
- ❖ TREAT – The Removal and Efficiency Assessment of Treatments

BDD Board & DOE/LANL MOU



- ❖ Memorandum of Understanding signed in 2015
 - 2015 MOU – three seasons
 - 2015 MOU was revised MOU of the original 2010 MOU

- ❖ PROGRAMS OF 2015 MOU
 - Early Notification System

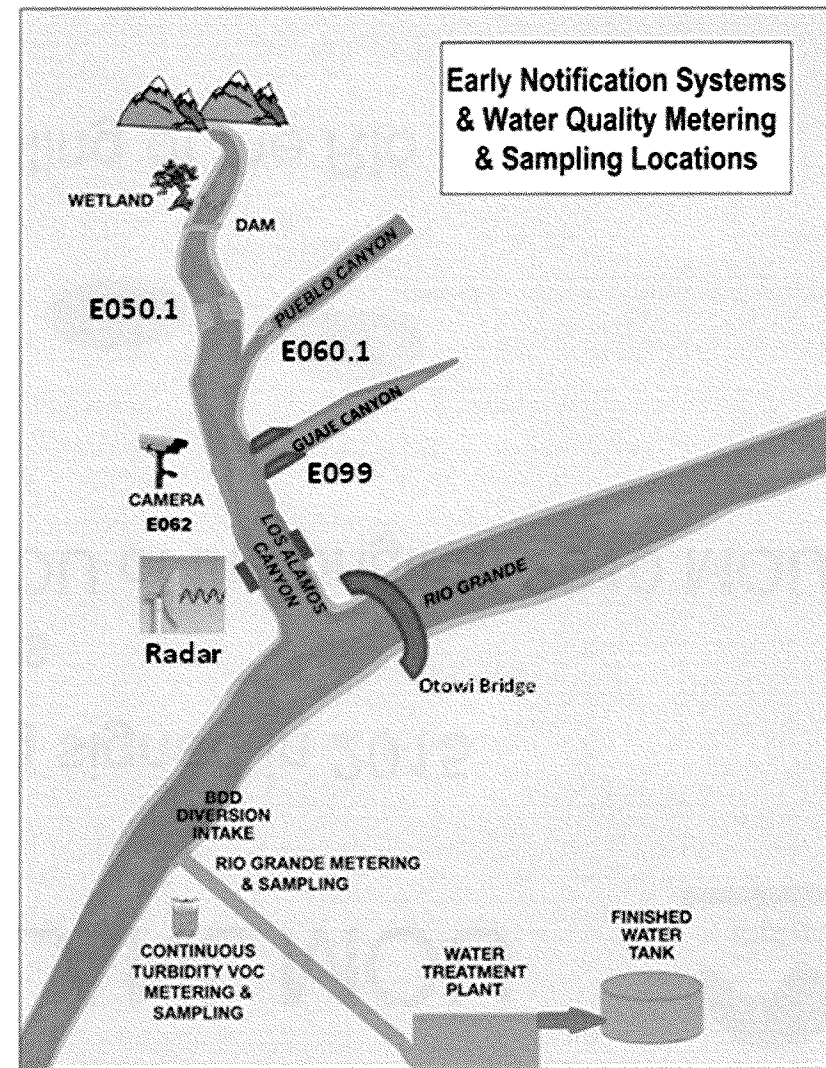
 - Storm Water Quality Sampling of the Rio Grande at BDD

 - TREAT study

Early Notification System



- ❖ The Los Alamos Canyon Watershed flows are monitored by E050.1 & E060.1.
- ❖ E050.1, E060.1 & E099 are triggers to sample at BDD.
- ❖ Radar installed in 2016 at former E109.9. Currently being evaluated.



Analytical Results from BDD Storm Water Quality Sampling



- ❖ Storm Water continued to be monitored for SSC, Radionuclides, Metals, and Organics.
- ❖ Concentrations of contaminants in Rio Grande Storm Water collected at BDD continue to:
 - Exceed RG background levels
 - Exceed some NMWQCC standards (Metals, Gross alpha, Total PCBs and D/Fs)

Based on the analysis it was determined that

- ❖ Source of Radionuclides were both: Los Alamos Canyon Watershed and Rio Grande Watershed.
- ❖ Sources of Metals and Organics were both: Los Alamos Canyon Watershed and Rio Grande Watershed.



TREAT Study

- ❖ TREAT study to be conducted for 3 years (6 sampling events)
- ❖ FY16 - BDD conducted two sampling events
- ❖ Results presented in 2015 Report (Section VII)
- ❖ BDD will need to obtain more samples before offering interpretation the results.

2015 Season Shortcomings



- ❖ In 2015 - BDD did not sample during all storm events in Los Alamos Canyon.

BDD Staff Recommendation For Future Work on MOU



- ❖ Extend 2015 MOU with two additional seasons under the same conditions or revised MOU
- ❖ Basis for Recommendation
 - ❖ DOE/LANL failed to meet a list of MOU commitments
 - ❖ BDD could not accomplish the objectives of both MOUs.
- ❖ Board Recommendation for MOU extension?

End of Presentation



Questions? Comments? Concerns?



Buckman Direct Diversion

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Memorandum

Date: December 1, 2016
To: Buckman Direct Diversion Board
From: Mackie Romero, BDD Financial Manager *MR*
Subject: 1st Quarter Financial Statements

Purpose:

This memo is intended to update the BDD Board and its partners on our 1st Quarter Financial position as of September 30, 2016.

Budget Overview – A financial plan that quantifies our current and future operations.

- Beginning Budget – FY16/17 Adopted Budget
- Expended – Expenses for services and/or goods received as of 9/30/2016
- Encumbrances – Executed purchase orders for goods and services.
- Projected – Projected salary and benefits as currently staffed, pending requisitions and or contracts to be executed within the fiscal year.
- Available Balance – Represents vacancy savings and unexpended budget balance as of 9/30/2016.

90 Day Cash Reserve Credit – Represents the partners cash reserve credit, which is used to fund current and future obligations as per the BDD Working Capital and Billing Policy.

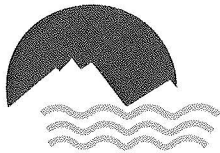
Fixed & Variable Costs – Pending expenses to be billed to our partners for services and/or goods received as of September 30, 2016. Billings will resume upon amendment to the Facility Operations and Procedures Agreement (FOPA).

Other Funds - Major Repair and Replacement & Emergency Reserve Fund monthly contributions, cash balances and budget overview for budgeted funds approved by the BDDDB for expenditure.

BDD will continue to provide quarterly updates with financial information to provide the highest level of transparency to our partners and the BDD Board.

If you require any additional information to be included in this report, please contact me.





Buckman Direct Diversion

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1st Quarter Financial Statement – Operations (07/01/2016-9/30/2016)

Budget Overview

CATEGORY	BEGINNING	EXPENDED	ENCUMB	PROJECTED	BALANCE
	BUDGET	1st Quarter	Thru 09/30/2016	EXPEND TOTAL	
Salaries & Benefits	3,352,787	644,647	-	2,302,947	405,193
Electricity	1,318,000	227,055	1,090,945	-	-
Chemicals	250,000	73,023	-	176,977	-
Solids	120,000	23,733	-	96,267	-
Materials & Supplies	726,004	39,505	214,530	203,404	268,565
Other Operating Costs	2,025,517	298,895	1,628,715	71,036	26,871
Fiscal Agent Fees	315,532	-	-	315,532	-
TOTAL	8,107,840	1,306,858	2,934,189	3,166,163	700,629
DOE Federal Grant	96,000	-	96,000		-

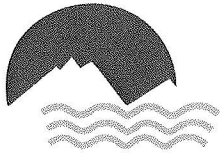
90-Day Cash Reserve Credit

	Balance
City of Santa Fe	1,396,970
Santa Fe County	475,102
Las Campanas - Coop	44,087
Las Campanas - Club	46,047
	1,962,207

Fixed & Variable Cost (Pending Billing) – Operations

	1st Quarter	July	August	September
Expenses thru 9/30/16	1,306,858	247,133	564,005	495,719
	1,306,858	247,133	564,005	495,719





Buckman Direct Diversion

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1st Quarter Financial Statement – Other Funds (Cumulative)
(07/01/2016-9/30/2016)

Pre-Bills – Major Repair & Replacement Fund (Yearly Contribution)

	Total	City of SF	SF County	Las Campanas Coop	Las Campanas Club
Major Repair Fund	411,812	292,770	102,820	9,132	7,090
	411,812	292,770	102,820	9,132	7,090

Financial Position - Cash

	Emergency Reserve	Major Repair
Balance at 06/30/2016	1,986,760	1,576,074
*Yearly Billings Pending	25,000	411,812
Total	2,011,760	1,987,886
Target Balance	2,000,000	1,987,886

* Emergency Reserve Fund have reached its funding target, per the established policy.

* Projected available cash balance, less approved budgeted amount is \$870,101.

Budget Overview – Major Repair and Replacement Funds

CATEGORY	BEGINNING	EXPENDED	ENCUMB	BALANCE
	BUDGET	1st Quarter	Thru 03/31/2016	AVAILABLE
Materials & Supplies	1,117,785	-	1,117,785	-
TOTAL	1,117,785	-	1,117,785	-





Buckman Direct Diversion

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Memo

Date: December 01, 2016
To: Buckman Direct Diversion Board
From: Erminia Tapia, BDD Administrative Assistant *ET*

ITEM AND ISSUE:

2017 Fiscal Services Audit Committee Meetings Calendar

BACKGROUND AND SUMMARY:

The BDD FSAC meetings are normally conducted within the 1st week of each month, prior to the BDD Board meetings. Due to scheduling conflicts FSAC meetings will now take place on either the first Monday or Tuesday of every month. The meetings are held in the Legal Conference Room of the County Administration Building.

The following is the proposed 2017 schedule for Fiscal Services Audit Committee meetings:

<u>FSAC</u>	<u>BDDB</u>	<u>BCC</u>
Monday Jan 2 nd @ 1:30pm	January 5 th	January 10 th & 31 st
Monday Jan 30 th @ 1:30pm	February 2 nd	February 7 th & 28 th
Monday Feb 27 th @ 1:30pm	March 2 nd	March 7 th & 28 th
Tuesday April 4 th @ 4:30pm	April 6 th	April 4 th & 25 th
Tuesday May 2 nd @ 4:30pm	May 4 th	May 9 th & 30 th
Monday May 29 th @ 1:30pm	June 1 st	June 13 th & 27 th
Monday July 3 rd @ 1:30pm	July 6 th	July 11 th & 25 th
Tuesday Aug 1 st @ 4:30pm	August 3 rd	August 8 th & 29 th
Monday Sept 4 th @ 1:30pm	September 7 th	September 12 th & 26 th
Tuesday Oct 3 rd @ 4:30pm	October 5 th	October 10 th & 31 st
Monday Oct 30 th @ 1:30pm	November 2 nd	November 14 th & 28 th
Tuesday Dec 5 th @ 4:30pm	December 7 th	December 12 th

This schedule was drafted so as not to conflict with Santa Fe County Commission meetings and miscellaneous City of Santa Fe committee meetings and City Council meetings, therefore dates and times are subject to change.

RECOMMENDED ACTION:

For your approval.



City of Santa Fe, New Mexico

memo

Date: November 21, 2016

To: Buckman Direct Diversion Board

Via: Nick Schiavo, Public Utilities Department Director *NSA*

Via: Rick Carpenter, Acting Water Division Director *RC*

From: Alan G. Hook, Water Resources Coordinator Assistant *A.G.H.*

Subject: Request for approval of Cost-Sharing Agreement Between the City of Santa Fe And Santa Fe County for An Additional 4 MG Storage Tank At The Buckman Direct Diversion Water Treatment Facility.

Background

For FY2017 the City of Santa Fe has requested \$895,843 of Water Trust Funds for construction of an additional 4 million gallon (MG) finished water storage tank at the Buckman Direct Diversion (BDD) Water Treatment Facility for the purpose of storing treated water diverted from the Rio Grande intended for municipal use within the service area of the City of Santa Fe and Santa Fe County. The tank will be located on the same parcel of land as the BDD Water Treatment Facility and will double the storage capacity currently available via the existing 4 MG finished water tank already on site. The scope of work for the completion of the 4 MG tank entails site grading, minor excavation and concrete work as well as the necessary infrastructure, including pipelines, to connect the tank to the BDD Water Treatment to both the City of Santa Fe's & Santa Fe County's drinking water supply infrastructure. This regional project will provide:

- Additional finished water storage during peak demand, essential when Rio Grande source water is not available due to monsoon impacts.
- Flexibility to blend with some of the groundwater sources that have naturally occurring arsenic
- Overall Facility Operational Costs can be reduced by off-peak pumping by an estimated \$440,575 per year.
- Finally, this additional tank provides redundancy for both the City of Santa Fe & Santa Fe County to provide a clean, reliable and safe source of drinking water supply.

This additional 4 MG storage tank was originally planned for the BDD Water Treatment Facility before the BDD Project was completed in 2011 (please, see the attached Project Area Map); however, this additional tank was excluded as an alternative to reduce the final project costs.

Cost Estimates

The City of Santa Fe is committed to providing the \$54,156.00 in pre-construction costs. For the balance of the estimated \$2.5 million for construction of the additional 4 million gallon finished water storage tank, the City of Santa Fe and Santa Fe County would be committing \$802,079 in matching funds along with the Water Trust Fund financing for successful completion of this project.

Action

Please, review and approve the cost-share agreement for the City of Santa Fe and SFe County to share the construction costs as matching funds for Water Trust Fund financing to successfully construct an additional 4 million gallon finished water storage tank at the BDD Water Treatment Facility, given the City of Santa Fe is committed to providing the \$54,156.00 in pre-construction costs toward the completion of this project.

If you have any questions, please contact Rick Carpenter at 955-4206.

**COST SHARING AGREEMENT
BETWEEN THE CITY OF SANTA FE AND SANTA FE COUNTY**

This Cost Sharing Agreement ("Agreement") between the City of Santa Fe ("City") and Santa Fe County ("County") shall be effective as of the date of the full execution of this Agreement.

RECITALS

- A. The City and the County own an undivided equal interest in the facilities comprising the Buckman Direct Diversion Project ("BDD Project"), excluding the Las Campanas Separate Facilities, as provided in the Facilities Operations and Procedures Agreement, dated October 16, 2006.
- B. It has been determined that additional finished water storage is needed at the BDD Project for those times when the BDD Project cannot divert raw water, in order to provide redundancy and to allow for off-peak time pumping.
- C. The additional finished water storage requires the construction of a storage tank with the capacity of four (4) million gallons ("Tank").
- D. The total construction cost for the Tank is estimated to be 2.5 million dollars ("Construction Costs"). The pre-construction costs, including final design, preliminary engineering, archeological, and permitting work (if required), are estimated to be \$54,156.00 ("Pre-Construction Costs").
- E. The City has requested \$895,843.00 of the Construction Costs from the New Mexico Water Trust Board in the form of loan/grant funds. The determination of whether the award will be made, the final amount of the award, and how much of the award, if made, will be in the form of a loan or a grant, has not yet been determined by the Water Trust Board.

F. The parties wish to set forth their agreement as to the payment of the Construction Costs and Pre-Construction Costs for the Tank.

NOW THEREFORE the parties agree as follows:

1. The City shall be solely responsible for the Pre-Construction Costs, which shall serve as the local match funding required for the FY 2017 Water Trust Board application.

2. The Construction Costs shall be split evenly between the City and the County, after the application of the Water Trust Board grant or loan funding, if such funding is received by June 30, 2017. If the Water Trust Board funding is not received by June 30, 2017, the City shall remain solely responsible for the Pre-Construction Costs and the City and the County shall each pay one-half (1/2) of the Construction Costs.

3. If any of the funding from the Water Trust Board is made in the form of a loan (rather than grant funds), the parties agree to each pay one-half (1/2) of all loan repayment obligations. The City will make the loan payments to the Water Trust Board and the County will pay the City its one-half (1/2) share of the loan payments pursuant to a loan repayment schedule to be provided to the County by the City.

4. The Tank, when constructed, shall become part of the BDD Project and owned equally between the City and the County.

CITY OF SANTA FE

**SANTA FE COUNTY BOARD OF
COUNTY COMMISSIONERS**

Javier Gonzales, Mayor

Miguel Chavez, Chair

Date

Date: _____

ATTEST:

ATTEST:

Yolanda Vigil, City of Santa Fe Clerk

Geraldine Salazar, County Clerk

Date

APPROVED:

Approved as to form:

Adam Johnson,
Interim City Finance Director

County Attorney



City of Santa Fe

Map of Project Area:

Buckman Direct Diversion Water Treatment Facility 4 Million Gallon Water Storage Tank



Proposed 4 Million
Gallon Finish Water
Storage Tank



CR 62

Cajalero Rio

Date: 10/03/2016

Prepared By: ASD/ITT/GIS DSB

Coordinate System:

NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

This information is for reference only.
The City of Santa Fe assumes no liability
for errors associated with the use of these
data. Users are solely responsible for



1:4,000
360 180 0 360 Feet

Project Number:

Status Date:

Comment:

Project Funding Source:

Status:

Status Date:

Type:

Amount:

Description:	City of SFe		County of SFe		State Funds	Federal Funds	Total
	WTB Funds	Funds	Funds	Funds			
Feasibility/PERs ¹		\$ 16,247	\$ -				\$16,247
Design & Specifications ²		\$ 10,831	\$ -				\$10,831
Construction Inspection ³		\$ 10,831	\$ -				\$10,831
Engineering Services ⁴		\$ 8,123	\$ -				\$8,123
Environmental Surveys		\$ -	\$ -				\$0
Archeological Surveys ⁵		\$ 5,416	\$ -				\$5,416
Construction	\$ 895,843	\$ 802,079	\$ 802,079				\$2,500,001
Land Acquisition		\$ -	\$ -				\$0
Easements & ROW		\$ -	\$ -				\$0
Project Management		\$ 2,708	\$ -				\$2,708
Legal Costs		\$ -	\$ -				\$0
Fiscal Agent Fees		\$ -	\$ -				\$0
Total	\$895,843.00	\$856,235.00	\$802,079.00	\$0.00	\$0.00		\$2,554,157.00

*Must be able to demonstrate that the expenditures are directly related to the proposed project and must be able to submit documentation of services provided.

	Cost Estimate
Total Construction Cost	\$2,500,000 Estimated Cost
Total Pre-Construction Engineering	\$54,156

¹Updating existing PER, OPC, Permitting Submittals (NMED and CPB)
²Update existing construction documents from CDM and CH2M HILL for construction and permitting
³Construction inspection, observation, and administration
⁴Geotech and survey update
⁵Archeological survey and SHPO Clearance



DYK and Natgun
Generations Strong

410 East Trinity Boulevard, Grand Prairie, TX 75050 | 972.823.3300 | Fax 972.823.3333

E-MAIL TRANSMISSION: kgjohansen@ci.santa-fe.nm.us

October 13, 2016

Ms. Kristin G. Johansen
City of Santa Fe
801 W. San Mateo Road
Santa Fe, NM 87505

REFERENCE: Prestressed Concrete Budget Pricing
 4.3 MG Ground Storage Tank
 Santa Fe, New Mexico

Dear Ms. Johansen:

Thank you for your interest in prestressed concrete tanks. Based on 2017 construction costs, a suitable budget-estimating figure for a 4.3 MG wire-wound, prestressed concrete storage tank with approximate inside diameter of 160' and side water depth of 28.5' is as follows:

4.3 MG WATER STORAGE TANK (160' ID x 26.5' S.W.D.)	\$1,850,000.00
<i>Includes Tank Complete, including Foundation, Hatch, Vent and Overflow</i>	
ADDITIONAL TANK PIPING AND ACCESSORIES ALLOWANCE	\$150,000.00
<i>Allowance Assumes the following Items: 36" Under-slab Outlet, Silt Stop, 30" Inlet Riser, Interior FRP Ladder w/OSHA Fall Prevention, Exterior Aluminum Ladder w/OSHA Fall Prevention, Aluminum Handrail around Hatch, and (3) 8" Dome Sleeves</i>	
TOTAL TANK WITH ALL LISTED PIPING AND ACCESSORIES	\$2,000,000.00

The budget-estimating figure does not include site work or additional tank accessories. Local, state and federal taxes, if applicable, are not included in the above price.

October 13, 2016
Ms. Kristin Johansen
City of Santa Fe

The above tank is designed and constructed in accordance with AWWA standard D110, Type III, precast concrete wall with steel diaphragm, wire prestressing, and freestanding concrete dome roof.

To assist in developing the contract documents, DN Tanks can provide you with the following information:

1. Preliminary design drawings and calculations in electronic format
2. Complete performance specification in electronic format
3. Geotechnical requirements for wire-wound concrete tanks and geotechnical report review
4. Value engineering from our Engineering and Estimating departments
5. Site layout and estimated site work cost from our Estimating Department
6. Review of preliminary drawings and specifications to provide updated tank and site work budget estimates

The above services will assist in providing a quality project with complete budgeting information and minimal questions at bid time.

Thank you for this opportunity to be of service. Please feel free to contact me if you have any questions or if I can be of any further assistance.

Sincerely,



Kyle Leininger Southwest Regional Manager
DN TANKS | DYK and Natgun, Generations Strong
410 E. Trinity Blvd., Grand Prairie, TX 75050
Main Office 972.823.3300 | Cell 817.851.4863 | Fax 972.823.3333
www.dntanks.com

KKL/tlc



Prestressed Concrete Tanks

Via: Email

October 18, 2016

Ms. Kristin G. Johansen
Engineer, Water Division
City of Santa Fe
801 W. San Mateo Road
Santa Fe, NM 87505

Subject: Santa Fe, NM – 4.0 MG Water Storage Tank

Dear Ms. Johansen:

Thank you for contacting Preload concerning your upcoming water storage tank project. Preload is pleased to offer the following budget estimate for the water storage tank.

<u>Item/Description</u>	<u>Budget Estimate</u> (Tank Structure and Listed Appurtenances Only)
One 4.0 MG (160' I.D. x 26.5' Side Water Depth [SWD]) with 2.0' freeboard, wire-wound, Precast, Prestressed Concrete Dome Roof Water Storage Tank per ANSI/AWWA D110, Type III. Tank is assumed buried approximately 4' over the footing.	\$1,820,000.00

Budget estimate, based on current construction costs for a tank complete in accordance with Preload's design standards and normal construction procedures, includes: our standard cast-in-place reinforced concrete floor slab; a precast, circumferentially prestressed concrete wall incorporating a continuous mechanically bonded steel diaphragm; a clear span dome concrete roof; separate inlet and outlet, an overflow pipe, standard hatch, interior and external ladder, vent, exterior decorative coating and listed options.

Option included:

- One wall manway

A conservative estimate for the completion time for a 4.0 MG tank is 26 weeks from notice to proceed. Due to the unique construction process of our tanks, Preload will require a winter shutdown from the first of December to the end March of the following year.

We are assuming that the site has adequate work area for construction of the tank and that the soil bearing capacity is sufficient to support the tank.



Excavation, soil foundation preparation, backfill, additional piping, mechanical appurtenances, related site work, taxes, etc., are not included.

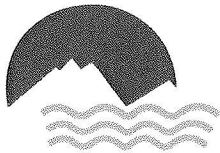
Thank you for considering Preload tanks and I look forward to further discussion of any questions you might have. Please do not hesitate to call me at 972-841-7822.

Sincerely,

A handwritten signature in black ink that reads "Hal Boyd". The signature is written in a cursive, flowing style.

Hal Boyd, P.E.
District Sales Manager


HJB:dw(per HJB)



Buckman Direct Diversion

A joint regional project of the City of Santa Fe and Santa Fe County to build a reliable and sustainable water supply.

Memorandum

DATE: December 1, 2016
TO: Buckman Direct Diversion Board
FROM: Mackie Romero, BDD Financial Manager 
SUBJECT: Payment to the Bureau of Land Management

ITEM AND ISSUE:

Request approval of payment to the Bureau of Land Management in the amount of \$71,036.64 for right of way rental agreements effective 01/01/2017-12/31/2017.

BACKGROUND AND SUMMARY:

The Buckman Direct Diversion Board currently has two right-of-way (ROW) grant agreements with the Bureau of Land Management. The first agreement is for the Buckman Water Treatment Plant and the Solar Site, which includes an annual rental fee of \$63,000 for use of 31.07 acres of public land. The second agreement is for the Booster Station 2A Solar Site, which includes an annual rental fee of \$8,036.64 for use of 4.75 acres of public land.

DISCUSSION:

The annual fees for both agreements are included in our FY16/17 adopted budget and will continue to be part of our annual budget request.

ACTION REQUESTED:

Staff recommends approval of payment to the Bureau of Land Management.

<u>Fund Source</u>	<u>Business Unit/Line Item/Description</u>	<u>Amount</u>
FY 2016/2017	7280000.562250.782110 Land/Building Rental	\$63,000.00
FY 2016/2017	7280000.562250.782210 Land/Building Rental	\$8,036.64

Approved by BDDDB December 1, 2016

Councilor Carmichael Dominguez,
BDDDB Chair



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Bill for Collection

Bill Number: 2017005253

Date: 11/07/2016

Make Remittance Payable To DOI/BLM and Mail To:

TAOS FIELD OFFICE
226 CRUZ ALTA RD
TAOS, NM 87571
(575)758-8851

Please include bill
number on all
remittances.

Payor: BUCKMAN DIRECT DIVERSION BOARD
PO BOX 909
RICK CARPENTER
SANTA FE, NM 87504 US

DATE	DESCRIPTION	AMOUNT
	NMNM 107524 01/01/2017 - 12/31/2017 RIGHT OF WAY RENTAL -- SANTA FE COUNTY	\$63,000.00
		\$63,000.00
	BLM CONTACT: BLM OFFICE, (575)758-8851	
AMOUNT DUE THIS BILL:		\$63,000.00

DATE DUE: 01/01/2017

- BLM Tax ID #84-0437540
- A late payment fee of \$25 or 10% of the unpaid rental whichever is greater not to exceed \$500 per authorization will be assessed if full payment is not received in a BLM office within 15 calendar days of the Due Date per 43 CFR 2806.13(a). Pursuant to 43 CFR 2806.13(c), if BLM does not receive your rent, late payment fee, and any administrative fees within 90 calendar days after the rent was due, BLM may terminate your grant under section 2807.17 of this part and you may not remove any facility or equipment without written permission from BLM (see section 2807.19 of this part). The rent due, late payment fees, and any administrative fees remain a debt that you owe to the United States.
- **Payment is due immediately upon receipt of this bill; however, payment must be received no later than the due date shown above.**
- **Please return a copy of this Bill for Collection with payment or include the Bill Number on your remittance.**
- Payment can be made by cash, check, money order or credit card (VISA, MasterCard, Discover, and American Express) or by Electronic Fund Transfer (EFT) via automated clearing house (ACH) or wire transfer. Make checks or money orders payable to DOI/BLM. To pay by credit card, complete the credit card payment form (attached) and return to the billing office or call the office listed above to pay by phone. You may use debit cards with the VISA or MasterCard logo. To make an electronic payment, see attached document.
- Effective June 1, 2015 - credit card payments can only be accepted for amounts of \$24,999.99 or less.
- See attached Notice of Actions in Event of Delinquency.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Bill for Collection

Bill Number: 2017005251

Date: 11/07/2016

Make Remittance Payable To DOI/BLM and Mail To:

TAOS FIELD OFFICE
226 CRUZ ALTA RD
TAOS, NM 87571
(575)758-8851

Please include bill
number on all
remittances.

Payor: BUCKMAN DIRECT DIVERSION BOARD
PO BOX 909
SANTA FE, NM 87504 US

DATE	DESCRIPTION	AMOUNT
	NMNM 10381603	\$8,036.64
	01/01/2017 - 12/31/2017	
	RIGHT OF WAY SOLAR RENTAL/FEES -- SANTA FE COUNTY	\$152.64
	- 4.75 ACRES	
	CAPACITY FEE CONCENTRATED SOLAR: PHASE 1 - 1.5 MEGAWATTS	\$7,884.00
	BLM CONTACT: BLM OFFICE, (575)758-8851	
AMOUNT DUE THIS BILL:		\$8,036.64

DATE DUE: 01/01/2017

- BLM Tax ID #84-0437540
- A late payment fee of \$25 or 10% of the unpaid rental whichever is greater not to exceed \$500 per authorization will be assessed if full payment is not received in a BLM office within 15 calendar days of the Due Date per 43 CFR 2806.13(a). Pursuant to 43 CFR 2806.13(c), if BLM does not receive your rent, late payment fee, and any administrative fees within 90 calendar days after the rent was due, BLM may terminate your grant under section 2807.17 of this part and you may not remove any facility or equipment without written permission from BLM (see section 2807.19 of this part). The rent due, late payment fees, and any administrative fees remain a debt that you owe to the United States.
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- Effective June 1, 2015 - credit card payments can only be accepted for amounts of \$24,999.99 or less.



A joint regional project of the City of Santa Fe and Santa Fe County to build a reliable and sustainable water supply.

Memorandum

Date: For December 1, 2016 meeting
To: Buckman Direct Diversion Board
From: Nancy R. Long
Subject: **Consideration of Extension to the Term of the PMFSA on a month by month basis**

ITEM AND ISSUE:

Discussion and possible action to extend the term of the Project Management and Fiscal Services Agreement (“PMFSA”) beyond December 31, 2016.

BACKGROUND AND SUMMARY:

The Staff Advisory Group recommended that the Buckman Direct Diversion Board select the City of Santa Fe to continue to serve as the support entity for the BDDDB and enter into a new agreement for support services with a term through June 30, 2020. The Board adopted the Staff Advisory Group’s recommendation. The term of the PMFSA, as extended, expires on December 31, 2016.

Negotiations with the City are ongoing regarding the terms of the new support entity agreement. The negotiations will not be finalized in time for the new agreement to be taken to the necessary City Committees and to the City Council prior to year’s end. It is therefore recommended that the term of the PMFSA be extended on a month to month basis until a new agreement is approved by the parties.

RECOMMENDATION:

It is recommended that the Board approve Amendment No. 6 to the PMFSA, extending the term of the agreement from December 31, 2016, on a month by month basis until a replacement agreement for support services goes into effect. The amendment must also be approved by the City.



**AMENDMENT NO. 6
TO
PROJECT MANAGEMENT AND FISCAL SERVICES AGREEMENT
BUCKMAN DIRECT DIVERSION PROJECT**

This Amendment No. 6 to the Project Management and Fiscal Services Agreement (hereinafter referred to as “Amendment No. 6”) is entered into by and between the Buckman Direct Diversion Project Board (the “BDD Board”), an entity organized and existing under that certain Joint Powers Agreement by and between the City of Santa Fe (“City”) and Santa Fe County (“County”), dated March 7, 2005, and the Sangre de Cristo Water Division of the City of Santa Fe (“Project Manager”).

WHEREAS, the BDD Board and the Project Manager entered into the Project Management and Fiscal Services Agreement (the “Agreement”) for the Buckman Direct Diversion Project (“Project”) on November 8, 2007;

WHEREAS, the purpose of the Agreement was to specifically describe the duties and responsibilities of the BDD Board, the duties and responsibilities of the Project Manager, how the project will be operated and maintained by the Project Manager on behalf of the BDD Board, how contributions by the partners will be paid and credited against the obligations in connection with the Buckman Direct Diversion Project, the duties and responsibilities of the Project Manager as fiscal agent for the Project, and other necessary terms;

WHEREAS, the Agreement was amended pursuant to Amendment No. 1 to the Agreement to increase the Project Manager’s monetary authority to enter into contracts and expenditures for the Project from \$20,000 to \$30,000; pursuant to Amendment No. 2 to the Agreement to increase the Project Manager’s monetary authority from \$30,000 to \$50,000; pursuant to Amendment No. 3 to the Agreement to clarify that the monetary authority is

exclusive of gross receipts tax; pursuant to Amendment Nos. 4 and 5 to extend the term of the Agreement.

WHEREAS, the BDD Board and the Project Manager desire to enter into this Amendment No. 6 to further extend the term of the Agreement.

NOW, THEREFORE, for the covenants, promises and consideration described in this Amendment No. 6, the BDD Board and the Project Manager agree as follows:

1. **ARTICLE 2, TERM, EFFECTIVE DATE**, is amended to extend the term of the Agreement from December 31, 2016 on a month by month basis until a new support services agreement executed by the parties.
2. In all other respects, the Agreement shall remain in full force and effect in accordance with its terms.

IN WITNESS WHEREOF, the BDD Board and the Sangre de Cristo Water Division of the City of Santa Fe, New Mexico, have caused this Amendment No. 6 to be executed and delivered by its duly authorized representatives as of the date specified below the signatory for the Sangre de Cristo Water Division of the City of Santa Fe.

BUCKMAN DIRECT DIVERSION BOARD

**THE SANGRE DE CRISTO WATER
DIVISION OF THE CITY OF SANTA FE**

By: _____
Carmichael Dominguez,
BDDDB Chair

By: _____
Javier Gonzales,
Mayor

Date: _____

APPROVED AS TO FORM:

APPROVED AS TO FORM:



Nancy R. Long, BDDDB Counsel

City Attorney
Date: _____

APPROVED:

Adam Johnson, Interim City Finance Director

Yolanda Vigil, City of Santa Fe Clerk

Date: _____

Business Unit/Line Item