

# Jumper Creek Utility Company

May 5, 2015

Office of Commission Clerk  
 Public Service Commission  
 2540 Shumard Oak Blvd.  
 Tallahassee, FL 32399

Re: Docket No. 140147-WS - Application of Jumper Creek Utility Company for Staff Assisted Rate Case in Sumter County – Response to Staff’s request for additional information dated April 29, 2015.

Dear Commission Clerk,

Jumper Creek Utility Company (Jumper Creek) submits its response to Staff’s request for additional information dated April 29, 2015.

1. Why was this project necessary?

**Response:** This capital improvement was necessary to reduce the excess tankage (capacity) of the WWTP. Reducing the number of tank allows Jumper Creek to maintain a healthier micro-biological population for adequate wastewater treatment process. With the excess tankage the WWTP maintained a higher biological population than the system could provide an adequate food source for. The Food/Micro-organism ration (F/M ratio) is one item used to gauge the amount of food to the amount of micro-organisms in the system for proper wastewater treatment. The F/M for the system with all tanks in operation was 0.08 which is on the high side. The F/M for the newly modified tank reduction is 0.03 which is within the normal range for this type of plant. The normal range for an extended aeration system is 0.01-0.07 for proper wastewater treatment process. So to provide an environment for the process to maintain efficient operation the utility either has to maintain a lower biological population, which would increase sludge hauling, or reduce the number of tanks thus lowering the operational biological population. Without this project, the increased sludge hauling would produce higher expenses in the future.

See table below:

	<b>BOD</b>	flow	Lbs/Gal	lbs of CBOD
Design	250	0.035	8.34	<b>73</b>
Actual	270	0.005	8.34	<b>11</b>
	<b>MLSS</b>	Volume	Lbs/Gal	Lbs of MLSS
Design	3000	0.035	8.34	<b>875.70</b>
Actual	3000	0.015	8.34	<b>375.30</b>

**5320 Captains Court, New Port Richey, Florida 34652**  
**Mailing: C/O 4939 Cross Bayou Boulevard, New Port Richey, Florida 34652**  
**Tel: 727-848-8292**

	<b>F/M</b>
Design	0.08
Actual	0.03

Normal Range of F/M for Ext. Aeration Plant 0.01-0.07

If tanks not reduced

	<b>F/M</b>
Design	0.08
Actual	0.09

2. What benefits does it provide to the customers?

**Response:** As explained above, the project provided a more efficient wastewater treatment process. It also averted potentially higher sludge hauling expenses which may have been occurred in the future. Also, more efficient operational would result in better treatment that may potentially reduce chemical usage minimally in the future.

3. What benefits does it provide the utility?

**Response:** As explained above, it allows for more efficient wastewater treatment process. It also allows the operator to operate the WWTP more efficiently without upsetting the WWTP's micro-biological balance.

4. What annual O&M savings in terms of the following parameters, if any?
  - a. Man-hours
  - b. Chemicals
  - c. Purchased power
  - d. Other supplies

**Response:** None. This project is required to maintain a more efficient micro-biological treatment process within the WWTP. It may avoid future increases in sludge hauling by reducing the number of hauling events. Any potential future reduction in chemicals will be minimal or immaterial.

5. Please provide documentation to support the costs reported on Invoice No. 798742.

**Response:** See attached supporting documentation. Piping and valves was needed to isolate the influent and RAS (Return Activated Sludge) lines so they can be manipulated if any unforeseen increase in flows occurs, also the valves will help when the utility needs to isolate tanks for maintenance work. Also included was labor to install the piping and valves.

Jumper Creek Utility Company  
Docket No. 140147-WS  
May 5, 2015

**Additional Pro Forma Item:**

In addition, please find attached Invoice No. 00018887, dated April 24, 2015 from Barney's Pumps in the amount of \$864.56 for a replacement motor at the WWTP. One of the motors for the blowers at the plant was broken and required replacement. This was observed during the plant inspection and discussed with the PSC staff member during the inspection. The motor is required for the blower to provide air to the plant for proper wastewater treatment. There are no operational savings as this is a replacement of an existing motor which was not repairable.

Respectfully Submitted,



Troy Rendell  
Manager of Regulated Utilities  
*// for Jumper Creek Utility Company*

Name: Tony Perez  
Date: 6/5/2014  
Hours: 8hrs  
Hours: \_\_\_\_\_  
Hours: \_\_\_\_\_  
Hours: \_\_\_\_\_  
Hours: \_\_\_\_\_  
Hours: \_\_\_\_\_

Is Project Complete Today? Yes  No

JOB NO: 708-15  
JOB NO: \_\_\_\_\_  
JOB NO: \_\_\_\_\_  
JOB NO: \_\_\_\_\_  
JOB NO: \_\_\_\_\_  
JOB NO: \_\_\_\_\_

JOB Name: Jumper Creek  
JOB Name: \_\_\_\_\_  
JOB Name: \_\_\_\_\_  
JOB Name: \_\_\_\_\_  
JOB Name: \_\_\_\_\_  
JOB Name: \_\_\_\_\_

Start /End Time (AM or PM)  
Fr: 7:30am To: 3:30pm

Break Time Used  
0

Total Hrs Worked  
8

REASON WE ARE ON SITE TODAY:

Signed Lump Sum Proposal \_\_\_\_\_ Emergency Call \_\_\_\_\_

Time & Material Project \_\_\_\_\_  
Project: \_\_\_\_\_

NOTE: Please explain Circumstances of Emergency Call or Time and Material  
Jumper Creek WWTP

Is this an Abnormal Event? Yes \_\_\_\_\_ NO \_\_\_\_\_ If so call office: 239-543-1005 / Toll Free 866-753-8292

WORK PERFORMED TODAY: Repipe plant for more wasting space, reroute RAS/WAS pipe to dump in middle airbay, repipe Force main to also dump in middle air bay, install 8" pipe plug to close off other airbays for more storage, pumped plant down using decant pump to enter air bay and install 8" plug

MATERIALS PURCHASED or DELIVERED TODAY:

Vendor Name	Description of Items	Ticket #	\$\$\$ Amount \$\$\$
HD Waterworks	40' of 6" sch 40 pipe		
HD Waterworks	20' of 4" sch 40 pipe		
HD Waterworks	(1) 6" T, (3) 6" 90's, (1) 4" T, (2) 4" 90's		
HD Waterworks	(1) 6" Knife Valve, (1) 4" ball valve		

MATERIALS USED FROM TRUCK OR OTHER COMPANY STOCK TODAY:

Taken From	Description of Items	Quantity	Reordered?
Stock	8" pipe plug	1	y <input type="checkbox"/> n <input checked="" type="checkbox"/> x <input type="checkbox"/>
			y <input type="checkbox"/> n <input type="checkbox"/> x <input type="checkbox"/>
			y <input type="checkbox"/> n <input type="checkbox"/> x <input type="checkbox"/>

EQUIPMENT RENTED TODAY:

Item #1 n/a From: \_\_\_\_\_ Cost: \_\_\_\_\_  
Item #2 \_\_\_\_\_ From: \_\_\_\_\_ Cost: \_\_\_\_\_

COMPANY OWNED EQUIPMENT USED TODAY:

Item #1 n/a From: \_\_\_\_\_ Cost: \_\_\_\_\_  
Item #2 \_\_\_\_\_ From: \_\_\_\_\_ Cost: \_\_\_\_\_

**RECEIVED**  
**JUN 06 2014**  
BY: \_\_\_\_\_

*Materials*  
*80312*

SUBCONTRACTORS and VENDORS ON SITE TODAY:

Name: n/a Purpose: \_\_\_\_\_  
Name: \_\_\_\_\_ Purpose: \_\_\_\_\_

ANY VISITORS TO SITE? Yes \_\_\_\_\_ (if so list) No  List: \_\_\_\_\_

WEATHER CONDITIONS: Fair:  Rain: \_\_\_\_\_ Ground Water: \_\_\_\_\_ Other: \_\_\_\_\_

ANY PROBLEMS WITH COMPANY VEHICLES? no

ADDITIONAL NOTES: \_\_\_\_\_  
SIGNATURE: \_\_\_\_\_ Date: 6/5/2014

Supervisor's Signature

Date

*708-15*  
*80312*

Jumper Creek

# SUPPLY

# INVOICE

**WATERWORKS**  
 Local Service, National System, IDI U.S. Water Services  
 P.O. Box 1419  
 Thomasville, GA 31799-1419  
 Branch Address: WILDWOOD FL 125, 9577 N US Hwy 301, Wildwood FL 34785, 3527748-7473

INVOICE #	C456710
INVOICE DATE	6/04/14
ACCOUNT #	142708
SALESPERSON	STEVEN C HANSEN
BRANCH #	125
Total Amount Due <b>\$680.93</b>	

Acct: 500.2 Total: 680.93  
 Job No.: 708-15 Class: M6  
 Billable:  Non-Billable:   
 Aprvd: \_\_\_\_\_ Date: 6/13/14  
 Entrd: \_\_\_\_\_ Date: 6/13/14

Remit To:  
 HD SUPPLY WATERWORKS, LTD.  
 PO BOX 100467  
 ATLANTA, GA 30384-0467

348 1 MB 0.435 E0308X 10480 D983732308 P1897008 0001:0003



US WATER SERVICES CORPORATION  
 4939 CROSS BAYOU BLVD  
 NEW PORT RICHEY FL 34652-3434

Shipped to:  
 VARIOUS  
 LADY LAKE, FL

CUSTOMER JOB- LADYLK LADY LAKE OFFIC

Return Top Portion With Payment For Faster Credit

Thank You For The Opportunity To Serve You.  
 We appreciate your prompt payment.

Date Ordered	Date Shipped	Customer PO No	Job Name	Job No.	Bill of Lading	Shipped Via	Order Number
5/27/14	6/03/14	708-15	LADY LAKE OFFIC	LADYLK		OUR TRUCK	C456710
Product Code	Description	Quantity Ordered	Quantity Shipped	Back-Ordered	Price	Per	Amount
0506040	6X20' PVC SCH40 BE PIPE BID SEQ# 20	40	40		3.5600	FT	142.40
29060GKHH	6 PVC KNIFE GATE VALVE HXH BID SEQ# 30	1	1		276.4400	EA	276.44
2906040TH060H	6X6 PVC S40 TEE HXH 401-060 BID SEQ# 40	1	1		31.5900	EA	31.59
29060409HH	6 PVC S40 90 HXH 406-060 BID SEQ# 50	3	3		20.1100	EA	60.33
0504040	4X20' PVC SCH40 PIPE SWB BE	20	20		2.3300	FT	46.60
2904040TH040H	4X4 PVC S40 TEE HXH 401-040	1	1		15.6200	EA	15.62
29040409HH	4 PVC SCH40 90 HXH 406-040	2	2		10.5300	EA	21.06
29040BH	4 PVC BALL VALVE HXH	1	1		42.3500	EA	42.35

**RECEIVED** 06102014  
 JUN 10 2014  
 Accounts Payable  
 BY: \_\_\_\_\_

System GL: US Water Services  
 Acct \_\_\_\_\_ Total \$ \_\_\_\_\_  
 Job # 708-15 Class \_\_\_\_\_  
 Billable \_\_\_\_\_ Non-Billable \_\_\_\_\_  
 Aprvd \_\_\_\_\_ Date \_\_\_\_\_  
 Entrd \_\_\_\_\_ Date \_\_\_\_\_

*Jumper Creek  
 replace plant*

This transaction is governed by and subject to HD Supply Waterworks standard terms and conditions, which are incorporated herein by this reference and accepted. To review these terms and conditions, please point your web browser to <http://waterworks.hdsupply.com/TandC/>.

Terms	SubTotal
NET 30	636.39
Freight	INVOICE TOTAL
Delivery	\$680.93
Handling	
Restock	
Misc.	
Tax	44.54

WILDWOOD FL  
 Branch - 125  
 9577 N US Hwy 301  
 Wildwood FL 34785

THANK YOU FOR YOUR ORDER  
 VISIT  
 WATERWORKS.HDSUPPLY.COM  
 FOR OTHER SERVICES OFFERED

INVOICE: C456710

*180  
 \$8350*

*OK  
 COA# 381.1*

REMIT TO:

BARNEY'S PUMPS, INC.  
PO Box 3529  
Lakeland, FL 33802-3529

Copy



Telephone

(863) 665-8500

Fax

(863) 666-3858

### Invoice

US Water Services Corp

email: uswateraccountspayable@uswatercorp.net  
4939 Cross Bayou Blvd.  
New Port Richey, FL 34652

Number	INV00018887
Invoice date	4/24/2015 12:00:00 AM
Page	1 of 1
Date and time	4/24/2015 12:22 PM
Sales order	SO00019583
Customer P.O.	708-22
Destination country	
Job name	
Payment	Net 30 days
Invoice account	0000771

Mode of delivery	TRUCK
Delivery terms	FA

Item number	Rev.	Description	Quantity	Unit	Unit price	Amount
L3708T		Baldor Motor, 5HP TEFC 1750RPM 230/1/60 213T	1.00	EA	808.00	808.00

Southeastern 59745048-0

Please refer to the invoice number when processing payment. Thank you for the opportunity to earn your business.

Order processed per Barney's Pumps standard terms and conditions of sale.  
All shipments are F.O.B. Origin.

*OKR  
Jumpin Creek  
Blower motor # 2  
Replacement  
# 708.22*

**Payment due:** 5/24/2015

<b>Sales subtotal amount</b>	808.00
<b>Total charges</b>	0.00
<b>Sales tax</b>	56.56
<b>Total</b>	864.56 USD

Tracking Numbers: