

CHARLIE CREEK UTILITIES, LLC
March 24, 2017

RE: Docket No. 160143-WU. Application for Staff Assisted Rate Case in Hardee County by Charlie Creek Utilities, LLC (CCU).

Below is CCU's response to Staff's Fourth Data Request in the above-mentioned proceeding.

1. Pumped & Metered Water – Other Use

Month	Gallons					
	Pumped	Purchased	Available	Other Use (*)	Sold	Difference
Jan-16	635,000	0	635,000	25,950	676,000	(66,950)
Feb-16	891,000	0	891,000	25,950	551,000	314,050
Mar-16	776,000	0	776,000	25,950	471,000	279,050
Apr-16	743,000	0	743,000	25,950	635,000	82,050
May-16	773,000	0	773,000	25,950	640,000	107,050
Jun-16	769,000	0	769,000	25,950	669,000	74,050
Jul-16	832,000	0	832,000	25,950	722,000	84,050
Aug-16	751,000	0	751,000	25,950	691,000	34,050
Sep-16	637,000	0	637,000	25,950	766,000	(154,950)
Oct-16	606,000	0	606,000	25,950	562,000	18,050
Nov-16	666,000	0	666,000	25,950	576,000	64,050
Dec-16	707,000	0	707,000	25,950	640,000	41,050
Total	8,786,000	0	8,786,000	311,400	7,599,000	875,600

* Other Use gallons are estimated based only on the calculated use of pumped water below.

Calculated Use

Bi-monthly flushing of the hydro-pneumatic tank holding 5,000 gallons and monthly flushing of the two ground storage tanks holding 5,000 gallons & 6,000 gallons each. Total of 21,000 gallons per month.

Periodic flushing of the distribution system to maintain chlorine levels by means of three 2" flushing valves at least once per month. Total of 4,950 gallons per month (3 valves x 55gpm x 15min x 2 times per month).

- COM _____
- AFD _____
- APA _____
- ECO 1 usg _____
- ENG _____
- GCL _____
- IDM _____
- TEL _____
- CLK _____

Uncalculated Loss

CCU replaced two check valves on the potable wells which may have not been sealing properly and allowed an undetermined amount of pumped water to backflow from the ground storage tanks. Both check valves were replaced in November 2016. See CCU response to question No. 8 below for more details.

CCU repaired several distribution and service line leaks when reported by our meter reader and others throughout 2016 (See enclosed spreadsheet for details).

FRWA tested and determined that the two well-head flow meters are providing readings that are measurably inaccurate. Both meters will be replaced. See CCU response to question No. 4 below for more details.

2. Water Pumped -vs- Sold in Jan & Sep

There are several factors that would explain the difference between the water pumped versus water sold in the months of January and September 2016, including the following.

RECEIVED-FPSC
 17 FEB 28 AM 11:04
 COMMISSION CLERK

- a. The well head meter readings for the MOR's reflect a meter reading on the last day of the month while the customer meters for billing purposes are read during the last week of the month. There may be up to a seven-day difference in the meter readings because of the two-different meter read dates.
- b. The summary billing register reports reflect initial customer consumption based on individual monthly meter readings. Subsequent adjustments during the month to correct meter reading errors would not be included in the summary billing register reports. Please see enclosed spreadsheets of known customer leaks and meter reading errors.
- c. As evidenced in this proceeding, CCU has experienced meter reading issues and calculation errors by the contact operator for MOR reporting purposes. Additional, undetectable, meter reading errors or calculations may also account for some of the discrepancies between the monthly pumped versus sold water gallons. CCU has addressed and will continue to monitor this issue with the contract operator.

3. Faulty Meters Replaced in 2015

- a. The company does not have a written replacement plan. Dead meters are replaced monthly as verified from the meter reading sheets. Any suspected meters are bucket tested first and replaced if the meter shows inaccurate. Any customer meter which reaches 1,000,000 gallons is bucket tested and replaced if it proves inaccurate.
- b. Unknown
- c. Yes, please see enclosed list of replaced meters.

4. Master Flow Meter Calibration

Unknown, records were not available from prior owner.

CCU had both master meters tested on February 17, 2017, by the FRWA. See attached documents.

- a. Well #1 (south) exhibited a 11.1 % over read. (Meter #2 in CCU response to DR#3)
- b. Well #2 (north) exhibited an 8.3 % under read. (Meter #1 in CCU response to DR#3)

Well#1 (Meter#2) is outside the acceptable accuracy tolerance range per FRWA. Because the other meter is close and is of the same age CCU is replacing both flow meters. See attached documents for projected cost.

5. FRWA

- a. Yes, CCU is an active member of FRWA. See attached documents.
- b. n/a.
- c. No. I have my own leak detection equipment.

6. Information on Well Use

Well #1 (south & meter #2) was offline and inoperable when the system was purchased from the prior owner. CCU provided documentation during staff's audit that supports the extensive repairs that were performed to the pumps and electric control panel to bring it back on line. The well resumed operation in Nov 2016. Well #2 (north & Meter #1) was the primary well for CCU until this time.

7. Information on Well #2

Well #1 (north well & Meter #2) was not used in 2015 because of the extensive repairs that were needed and completed in 2016.

8. Pro-Forma Projects

Late November 2016, I received a call from the operator advising me that the check valves at the wells should be checked and it was suspected that they might not be functioning properly. With the use of my leak detection equipment, we determined that both check valves were bad and therefor replaced on 12/02/2016. A leaking check valve would allow already pumped water to go back down into the well, essentially pumping the same water twice. Since it is not known when the check valves started leaking there is no way to calculate how much water was counted twice. See enclosed receipt for check valves purchased.

9. Engineering Proposal

- a. The engineering proposal has not been performed. Since this is a secondary water quality issue, we are awaiting commission approval to proceed with the project.
- b. Follow up actions required to complete this project include but are not limited to a DEP permit, installation of pumping equipment and clearance water samples submitted to DEP
- c. The utility has not received any bids because the project has not been approved by the commission and the permit has not been issued by DEP.
- d. Expected completion should be within 30- 90 days of DEP permit issuance.
- e. None at this time.

10. Additional Pro-Forma Projects

Replacing the bad gate valve on the down-stream side of the hydro-tank and re-plumb that section of pipe replacing the old galvanized pipe with schedule 80. See enclosed copy of the invoice. This does not include cost of water sampling which is \$390.00 (see enclosed invoice).

Requested phase two pro-forma items are to replace the two gate valves on up- stream side of the aeration tanks and replace the two square nut gate valves that control the distribution system at the water plant site. Please see enclosed invoice for parts only. This will not include cost of water samples which are \$390.00 (see enclosed invoice).

11. 2016 Billing Data

See enclosed thumb drive.

12. Lots and Distribution Lines

The Village of Charlie Creek's original subdivision-plat was approved by the Hardee County Commission in 1972 and contained 266 individual single family lots. There are no known maps of the distribution system(other than the one I made and submitted) and no information for the distribution system was provided by the seller to me. Documents filed with FDEP indicate that the distribution system was constructed in two phases in order to serve 261 customer connections (See Staff Audit Report in Docket No. 150186-WU).

CCU has averaged 140-150 active customers since assuming operations in November 2014. In our response to Staff Data Request #2 we estimate that there are approximately 35 vacant lots available for future service connections. It is reasonable to assume that many of the original 266 platted lots have been combined thus reducing the number of actual active and future potential service connections from the original 261 connections permitted through FDEP.

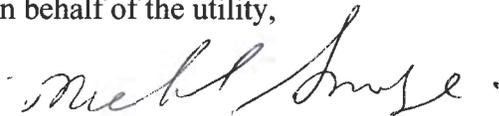
13. See below.

14. See below.

15. See below.

An extensive and time consuming search of real property records and a potentially expensive location and mapping of the distribution system by a third-party vendor would be required to provide the detailed information requested by staff in Questions 13-15. If required, these costs for CCU's efforts should be considered and included for recovery in the current proceeding.

On behalf of the utility,

A handwritten signature in cursive script, appearing to read "Mike Smallridge".

Mike Smallridge

Charles Creek



More saving.
More doing.™

6335 S. FLORIDA AVE.
LAKELAND, FL 33813 (863)619-8955

6324 00059 52163 12/02/16 09:11 AM
CASHIER SELF CHECK OUT

797496876256 STRGFLJID <A> 2.47
PRESTONE 120Z PWR STEERING FLUID W S
659647000289 2" CHK V <A>
2 IN. BRASS CHECK VALVE 79.96
2039.98

SUBTOTAL 82.43
SALES TAX 5.78
TOTAL \$88.21

XXXXXXXXXXXX4335 DEBIT USD\$ 88.21

AUTH CODE 370543
Chip Read Verified By PIN
AID A0000000980840 US DEBIT
TVR 8080048000
IAD 06010A03601000
TSI 6800
ARC 00



6324 59 52163 12/02/2016 1731

RETURN POLICY DEFINITIONS
POLICY ID DAYS POLICY EXPIRES ON
A 1 90 03/02/2017
THE HOME DEPOT RESERVES THE RIGHT TO
LIMIT / DENY RETURNS. PLEASE SEE THE
RETURN POLICY SIGN IN STORES FOR
DETAILS.

BUY ONLINE PICK-UP IN STORE
AVAILABLE NOW ON HOMEDEPOT.COM.

FLORIDA RURAL WATER ASSOCIATION
Associated Membership
2/23/2017

CustStatus	ASF	Address1	City	State	Zip	MainContactName	WorkPhone
Member Parent	Florida Utility Services 1, LLC	3336 Grand Blvd #102	Holiday	FL	34690	Smallridge, Michael	(863) 904-5574
Member Sub	Charlie Creek Utilities	3336 Grand Blvd #102	Holiday	FL	34690	Smallridge, Michael	(813) 773-0088
Member Sub	Crestridge Utility LLC	3336 Grand Blvd Ste #102	Holiday	FL	34690	Smallridge, Mike	(863) 904-5574
Member Sub	East Marion Utilities	3336 Grand Blvd #102	Holiday	FL	34690	Smallridge, Michael	(863) 904-5574
Member Sub	East Marion Utilities (Lake View Woods)	3336 Grand Blvd #102	Holiday	FL	34690	Smallridge, Michael	(810) 733-6342
Member Sub	Holiday Gardens Utility, LLC.	3336 Grand Blvd #102	Holiday	FL	34690	Smallridge, Mike	(863) 904-5574
Member Sub	Orange Land Utilities	3336 Grand Blvd #102	Holiday	FL	34690	Smallridge, Michael	(863) 904-5574
Member Sub	Pinecrest Utilities, LLC	3336 Grand Blvd #102	Holiday	FL	34690	Smallridge, Mike	(863) 904-5574
Member Sub	West Lakeland Wastewater, LLC	3336 Grand Blvd #102	Holiday	FL	34690	Smallridge, Mike	(863) 904-5574



Innovative Metering Solutions, Inc.
 2501-A Merchant Ave.
 Odessa, FL 33556
 Ph: 727.375.9701
 Fax: 727.375.9703

Invoice

Date	Invoice #
2/23/2017	9180

Bill To
Charlie Creek Utility, LLC Attn: Mike Smallridge 3336 Grand Boulevard Suite# 102 Holiday, FL 34690

Ship To
Charlie Creek Utility, LLC Attn: Mike Smallridge 3336 Grand Boulevard Suite# 102 Holiday, FL 34690

PO #	IMS Quote #	Rep	Ship	Via	F.O.B.	Terms
Zach	BDL	BDL	2/23/2017	Cust. Pick Up	Odessa, FL	Net 30

Quantity	Description	Price Each	Amount
2	TSM 2"-Flg2B-TP-yr of manuf- cert.test	681.00	1,362.00
2	R2" TSM local gallon PL/PS-yr. of manuf-torx		
4	(2) 3/4" X 2 -1/2" A307 Zinc plated bolts & nuts. For 2" Bronze flange connections (1 side)	2.94	11.76
1	1/8" thick Drop-in Gasket, 2".	1.65	1.65
	Pasco County Sales Tax Surcharge - 1 % up to \$5000	13.75	13.75
	State of Florida General Sales Tax - 6%	6.00%	82.52

Thank you for your business. Please remit payment to the above address. Please see our website for payment and return terms and conditions.

Total	\$1,471.68
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5574 COMMERCIAL BLVD.
 WINTER HAVEN, FL 33880
 (863) 965-2599 Fax: (863) 965-1733

Invoice

DATE	INVOICE #
1/5/2016	10370

BILL TO:

Charlie Creek Utilities, LLC
 Village at Charlie Creek
 3336 Grand Blvd
 Holiday, Fl 34690

P.O. NUMBER	TERMS	PROJECT
2015-1993	Net 15	

QUANTITY	DESCRIPTION	RATE	AMOUNT
8	Clearance Samples	30.00	240.00
2	Collection Fee/Processing Fee	75.00	150.00

Date of service: 12/14 & 12/15
 Description of job: System down to repair main.

Invoices not paid 30 days from due date will incur a minimum monthly \$25 late fee up to 18% per annum.

TOTAL	\$390.00
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CCU- 2016	Leaks at meter reported by meter reader.
Month	Customer address
JANUARY	1050 Mockingbird
February	none
March	none
April	none
May	1151 Morgan Grice, 1030 Mockingbird
June	none
July	None
August	None
September	none
October	902 Quail
November	None
Deember	none

PUGH UTILITIES SERVICE, INC.

760 HENSCRATCH ROAD
LAKE PLACID, FL 33852
USA

INVOICE

Invoice Number: 2810
Invoice Date: Mar 23, 2016
Page: 1

Voice: 863-465-6911
Fax: 863-465-5159

Bill To:
FLORIDA UTILITY SERVICE, LLC 3336 GRAND BLVD, SUITE 102 HOLIDAY, FL 34690 USA

Ship to:

Customer ID	Customer PO	Payment Terms	
101CHARLIECREEK		Net 10th of Next Month	
Sales Rep ID	Shipping Method	Ship Date	Due Date
			4/10/16

Quantity	Item	Description	Unit Price	Amount
1.00	900	SERVICE CALL ON 3/9/2016 TO WATER LEAK AT MOCKINGBIRD ROAD TO REMOVE CRACKED 2" MALE ADAPTER AND INSTALL PVC BALL VALVE. PARTS, PUMP TRUCK, BACKHOE, & LABOR	1,200.00	1,200.00
1.00		DISCOUNT	800.00	-800.00
Subtotal				400.00
Sales Tax				
Total Invoice Amount				400.00
Payment/Credit Applied				
TOTAL				400.00

Check/Credit Memo No:

Pugh Utilities Service, Inc. would like to Thank You for your Business!
Please pay this invoice promptly to avoid late charges.

Charlie Creek Utilities
New Meters 4/26/16

Address	Customer Name	# Occupants	Meter Reading	Meter ID	Date Meter Replaced	New or Old Meter
905 Wren Rd	Anthony Cantu	4	29950	15168591	5/1/15	NEW
1152 Blue Jay Rd	Antonio Garza	N/N	2450	15168601	2/2/15	NEW
907 Wren Rd	Arthur Harrington	2	4070	15168593	2/2/15	NEW
1157 Sparrow Rd	Brenda Short		0	15168652	2/24/15	NEW
1212 Blue Jay Rd	Charlton Griffin	2	21940	15168618	2/18/15	NEW
1153 Mockingbird Rd	Cindy Gillespie	2	10930	15168616	2/18/15	NEW
1005 Blue Jay Rd	Ellen Tomassi	2	6950	15168620	2/18/15	NEW
1121 Morgan Grice Rd	Frank Chestnut	3	6090	15168592	2/12/15	NEW
1127 Sparrow Rd	Gilberto Gonzales		16130	15168615	3/2/15	NEW
1142 Blue Jay Rd	Harvey Randle	N/N	6960	15168596	2/2/15	NEW
1043 Mockingbird Rd	Deborah Richardson	2	3990	15168655	2/24/15	NEW
1200 Mockingbird Rd	Jean Tozzi		1050	15168654	2/24/15	NEW
1133 Mockingbird Rd	Judy Elbertson	2	16360	15168597	2/2/15	NEW
1325 Blue Jay Rd	Leighann Gonzales	5	10440	15168656	2/24/15	NEW
1313 Mockingbird Rd	Mark McClary	6	9240	15168653	2/24/15	NEW
1315 Blue Jay Rd	Matt Surrency		16850	15168651	2/24/15	NEW
1102 Blue Jay Rd	Maurice Kidd	1	7950	15168600	2/2/15	NEW
1347 Sparrow Rd	Michelle Peoples	4	0	15168633	5/14/15	NEW
1303 Mockingbird Rd	Patricia Silverman	N/N	4940	15168617	4/1/15	NEW
1265 Blue Jay Rd	Ronnie Strickland	2	3800	15168619	2/18/15	NEW
1120 Mockingbird Rd	Roy Exendine	2	37730	15168594	2/6/15	NEW
1344 Sparrow Rd	Severiano Rivera		0	15168634	5/1/15	NEW
1112 Blue Jay Rd	Thomas Stewart	N/N	13740	15168599	2/2/15	NEW
1211 Morgan Grice Rd	Harvey Alderman	2	529080	15168646	8/5/15	NEW
1007 Sparrow Rd	Dorthie Suttles	5	1073410	15168647	8/5/15	NEW
1140 Mockingbird Rd.	Helen Lather	1	0	15168598	7/28/15	NEW
1051 Morgan Grice Rd	Mark Dresser	3	148322	15804328	11/3/15	NEW
1201 Morgan Grice Rd	Betty Reyna	2	1213140	15804327	11/3/15	NEW
1221 Morgan Grice Rd	Helen White	3	1204790	15804330	11/3/15	NEW
1160 Mockingbird Rd	Heide Littles		1073740	15804329	11/3/2015	NEW
1110 Mockingbird Rd	Joesph Seay	4	1570270	15804331	11/3/15	NEW
1040 Mockingbird Rd	Teresa Goodwin	N/N	1023790	15804332	11/3/15	NEW
1073 Mockingbird Rd	Sonia Fritch	2	1701080	15804335	11/3/15	NEW
1123 Mockingbird Rd.	Vanderbilt Mortgage Fin.,	1	3103750	15804336	11/3/2015	NEW
1253 Mockingbird Rd	Sandra Fulton	2	129430	22114238	11/3/15	NEW
1333 Mockingbird Rd	Felipe Cortez	5	124860	14039200	11/3/15	NEW
1262 Blue Jay Rd	Tina Cortez	6	1401750	15804334	11/3/15	NEW

Pasco Pipe Supply Inc.

14700 U.S. HWY. 19
 HUDSON, FL 34667
 863-4339 863-3047
 FLA. WATS 1-800-282-8152
 FAX (727) 863-2469

CUSTOMER'S ORDER NO. _____ PHONE _____ DATE **2-23-17**

NAME **Charlie Cook UT**
 ADDRESS _____

QTY.	DESCRIPTION	PRICE	AMOUNT
3	6" Fly Ace Kit 304	17.80	53.40
2	4" Van Stone	25.91	41.94
1	4" x 2 Tee	30.99	30.99
1	2" x 1/2 RIS slip x fm	6.33	6.33
1	4" Butterfly Valve	96.21	96.21
1	1/2 Injection B.V. Stems	13.10	13.10
3	4" x 1/8 RR Gasket	2.35	7.05
	Bdts 5/8 x 3 1/2		
			201.68
			79.12
	TAX		14.12
	TOTAL		215.80

TERMS: 10% ADVANCE, 90% AMOUNT ON UNPAID BALANCE. CUSTOMER AGREES TO PAY A REASONABLE ATTORNEY'S FEE AND ALL COST AND EXPENSES OF COLLECTION AND SUIT IF NECESSARY.

B 68413 All claims and returned goods MUST be accompanied by this bill. *Thank You*

PASCO PIPE SUPPLY
 14700 US 19
 HUDSON, FL 34667

CREDIT CARD
 VISA ADJUST SALE

XXXXXXXXXXXX9251
 VISA DEBIT
 A0000000031010
 0050
 F2DED77A2A8478B5
 0002
 0002
 000647
 984526
 Chip Read
 Issuer
 \$14.12
\$215.80

2/24/2017

ARD #
 Chip Card:
 Chip Card AID:
 FC:
 C:
 INVOICE
 EQ #:
 Patch #:
 Approval Code:
 Entry Method:
 Code:
 Tax Amount:

TOTAL AMOUNT

CUSTOMER COPY



FLOW METER ACCURACY RECORD
FLORIDA RURAL WATER ASSOCIATION
 2970 WELLINGTON CR. W.
 TALLAHASSEE, FLORIDA 32308



SYSTEM NAME: Charlie Creek Utilities
 SYSTEM ADDRESS: 1361 Morgan Grice Rd County: Hardee
Wauchula, FL

SITE CONTACT Florida Utility Services-Mike Smallridge Phone: (352)302-7406

PWS. ID # 6250278 LOCATION: Well #1 (south)

Test performed @ _____ GPM PUMP INFO: _____

METER MODEL: 1 1/2"-2" AMCO SERIAL NUMBER ON METER: 16980099

Pipe info@ test site: material 2" Galv Steel Pipe

DISCHARGE PIPE DIAMETER: od / wt OD 2.375 "/WT 0.154 "

Transducer Spacing 0.723"

Transducer distance from meter upstream/downstream 1' downstream

METHOD OR EQUIPMENT USED FOR TEST: Fuji Ultrasonic

DATE OF THIS METER TEST: 2/17/2017

INITIAL METER READING AT START OF TEST: 28617280

FINAL METER READING AT END OF TEST: 28617380 Total Gals. 100

INITIAL READING ON CALIBRATED TEST METER: 18

FINAL READING ON CALIBRATED TEST METER: 108 Total Gals. 90

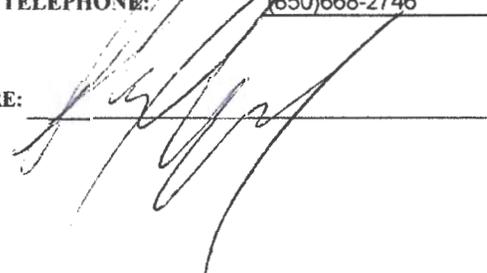
AVERAGE % OF ERROR BETWEEN FLOWMETER TESTED AND CALIBRATED TEST METER: 11.1 %

COMMENTS: This meter is running 11.1% faster than the test meter
This meter is not within accuracy tolerance

NAME OF PERSON COMPLETING TEST/ FORM: Stan Epperly

COMPANY NAME: FLORIDA RURAL WATER ASSOCIATION

DAYTIME TELEPHONE: (850)668-2746

SIGNATURE: 

DATE: 2/17/2017



FLOW METER ACCURACY RECORD
FLORIDA RURAL WATER ASSOCIATION
 2970 WELLINGTON CR. W.
 TALLAHASSEE, FLORIDA 32308



SYSTEM NAME: Charlie Creek Utilities
 SYSTEM ADDRESS: 1361 Morgan Grice Rd County: Hardee
Wauchula, FL

SITE CONTACT Florida Utility Services-Mike Smallridge Phone: (352)302-7406

PWS. ID # 6250278 LOCATION: Well #2 (north)

Test performed @ _____ GPM PUMP INFO: _____

METER MODEL: 1 1/2"-2" AMCO SERIAL NUMBER ON METER: 16980097

Pipe info@ test site: material 2" Galv Steel Pipe

DISCHARGE PIPE DIAMETER: od / wt OD 2.375 "/WT 0.154 "

Transducer Spacing 0.723"

Transducer distance from meter upstream/downstream 1' downstream

METHOD OR EQUIPMENT USED FOR TEST: Fuji Ultrasonic

DATE OF THIS METER TEST: 2/17/2017

INITIAL METER READING AT START OF TEST: 56513230

FINAL METER READING AT END OF TEST: 56513330 Total Gals. 100

INITIAL READING ON CALIBRATED TEST METER: 193

FINAL READING ON CALIBRATED TEST METER: 302 Total Gals. 109

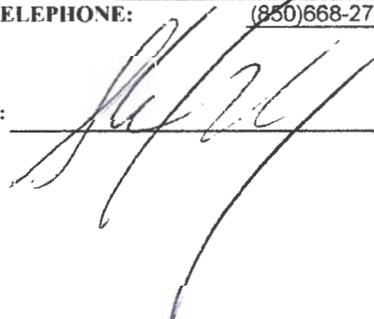
AVERAGE % OF ERROR BETWEEN FLOWMETER TESTED AND CALIBRATED TEST METER: -8.3 %

COMMENTS: This meter is running 8.3% slower than the test meter

NAME OF PERSON COMPLETING TEST/ FORM: Stan Epperly

COMPANY NAME: FLORIDA RURAL WATER ASSOCIATION

DAYTIME TELEPHONE: (850)668-2746

SIGNATURE: 

DATE: 2/17/2017