

PINE HARBOUR WATERWORKS, INC.

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DOCUMENT NO. 03733-2018
FPSC - COMMISSION CLERK

May 18, 2018

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

Re: Docket No. 20180022-WU – Application for staff-assisted rate case in Lake County by Pine Harbour Waterworks, Inc.– Response to Staff’s Second Data Request

Dear Commission Clerk,

Please find attached Pine Harbour Waterworks, Inc.’s (Pine Harbour) response to Staff’s Second Data Request.

1. Please provide three bid proposals or estimates for the replacement of the 44 meters. If less than three bid proposals or estimates were sought, please explain.

Response: There were no bid proposals or estimates. This service is provided for under the operations and maintenance contract with U.S. Water Services Corporation. When Pine Harbour was purchased, the utility system had many older meters. This project was to replace meters with water service registers of 1,000,000 gallons or more. The project was charged at the cost of the meters of \$43.87 and **no** labor costs. The contract actually has labor costs allowed at \$57.91/hour. However, for this project no labor was charged in order to keep the cost at a minimum. The contract was recently revised to clarify that only meter replacements up to 10 percent (10%) of total connection would not contain any labor cost. Typical non ert meters (manual read meter) replacements run between \$100 - \$120, including labor, meter, parts, etc.

2. When were the replaced meters installed? Why were the meters replaced?

Response: See above. The meters had registered water usage of over 1,000,000 gallons. Once these small residential meters register water usage in those amounts, they no longer register properly. Meters will register less than the actual usage at those levels. The meters were replaced to ensure the actual water usage was being properly accounted for. This is done by utilities for primarily two purposes: (1) in order to minimize lost revenue, and (2) to account for all water sold and minimize unaccounted for water. Thirty-seven (37) meters were replaced in August 2017; Five (5) were replaced in September 2017; One (1) was replaced in November 2017; and one (1) was replaced in December 2017.

3. Please provide the size and quantity of all operational meters.

Response: There are sixty-five (65) 5/8 X 3/4” meters and one (1) 3/4” meter.

4939 Cross Bayou Boulevard, New Port Richey, Florida 34652
Tel: 727-848-8292

4. Please provide the total amount of treated water sold for each month of the calendar year 2017 (test year).

Response: See below and attached unaccounted for water for 2017:

Jan-17	225,000
Feb-17	427,000
Mar-17	220,000
Apr-17	444,000
May-17	415,000
Jun-17	354,000
Jul-17	327,000
Aug-17	306,000
Sep-17	333,000
Oct-17	377,000
Nov-17	359,000
Dec-17	354,000

5. Please indicate the amount of treated water used for hydrant flushing, line flushing, plant usage or to extinguish a fire during the test year. Provide the dates, amount of treated water used, and a brief description of the event.

Response: See below:

	Water Gallons Flushing/Maint	Line Breaks
Jan-17	3,500	
Feb-17	3,500	
Mar-17	3,500	
Apr-17	3,500	
May-17	3,500	
Jun-17	3,500	
Jul-17	3,500	
Aug-17	3,500	
Sep-17	3,500	
Oct-17	3,500	
Nov-17	3,500	
Dec-17	3,500	100,000

It should be noted that Pine Harbour is a single well system. As such, the water treatment system should be considered 100% used and useful pursuant to Rule 25-30.4325(4), Florida

Administrative Code (FAC). Also the system is built out. Therefore both the water treatment system should be considered 100% used and useful under this cited rule, and the distribution system should be also be considered 100% used and useful based on past Commission practice.

6. Please advise if there were any unusual circumstances such as fires or flushing for the following dates: 04/28/2017, 04/29/2017, 04/30/2017, 07/26/2017, 07/27/2017, 12/20/2017 and 12/21/2017. If an unusual event occurred, please describe it, provide the amount of water used, and the date it happened.

Response: See response to No. 5 above. The only “unusual event” occurred in December when there was a water line leak discovered – calculated water loss was 100,000 gallons. Below are the flow records obtained from the log book on site at Pine Harbour.

4-28-17 through 4-30-17 - 24,000 × 3
7-26-17 through 7-27-17 - 20,000 × 2
12-20-17 through 12-21-17 - 25,000 × 2
4-28-18 through 4-30-18 - 18,350 × 3

7. Were there any line breaks or water leaks in the system during the calendar year 2017 (test year)? If yes, were the leaks fixed? Please describe the incidents and provide the dates of the leaks.

Response: Yes – in December 2017. Technicians repaired 1 ½” water main that was damaged by a concrete truck. Crew trapped valves on line under pressure to isolate the break as it was looped. Once water was stopped they repaired section of piping with brass fittings and pipe.

8. Does Pine Harbour Waterworks, Inc. service the Breathe Easy Medical Facility and the Lake County Fire Rescue Station 72? If yes, please identify the meter size for each facility.

Response: No. Neither of these are Pine Harbour’s customers of record.

9. Has the finished drinking-water flow meter been calibrated recently? Please provide calibration records.

Response: The meter was calibrated in 2015 in response to a sanitary survey. The meter was calibrated by Florida Rural Water Association (FRWA). However, Pine Harbour is unable to obtain this record, as it occurred prior to the utility’s acquisition. Pine Harbour has scheduled for the FRWA to come out on May 23, 2018 to do a new meter calibration.

10. Please provide the meter odometer’s increment reading, meter maximum operating pressure, maximum flow rate, and meter maximum reading.

Pine Harbour Waterworks, Inc.
Response to Staff's Second Data Request
May 18, 2018

Response: See attached.

If you have any questions, please do not hesitate to contact me at (727) 848-8292, ext. 245.

Respectfully Submitted,

A handwritten signature in blue ink, appearing to read "Troy Rendell". The signature is stylized with a large initial "T" and a long horizontal stroke.

Troy Rendell
Vice President
Investor Owned Utilities
// for Pine Harbour Waterworks, Inc.

PINE HARBOUR WATERWORKS

USAGE AND BILLING REPORT

	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17		
Read Period	12/23/16-1/27/17	1/27-2/28	2/28-3/26	3/20-4/24	4/24-5/22	5/22-6/22	6/22-7/25	7/25-8/22	8/22-9/25	9/25-10/23	10/23-11/22	11/22-12/29		
Billed	2/6/17	3/10/17	4/7/17	5/8/17	6/8/17	7/7/17	8/7/17	9/7/17	10/6/17	11/8/17	12/8/17	1/8/17	Annual Totals	Annual Averages
Total Well Withdrawal Per Calendar Month	453,999	415,000	465,599	321,997	532,996	384,000	420,000	424,000	397,334	400,666	360,000	463,050	5,038,641	458,058
Purchased Water														-
Total Gross Source	453,999	415,000	465,599	321,997	532,996	384,000	420,000	424,000	397,334	400,666	360,000	463,050	5,038,641	458,058
Monthly Water Revenue	\$1,627	\$1,937	\$1,337	\$2,104	\$2,041	\$1,909	\$1,833	\$1,839	\$1,900	\$1,961	\$1,909	\$1,933	\$22,330	\$2,030
Water Gallons Used/Billed	225,000	427,000	220,000	444,000	415,000	354,000	327,000	306,000	333,000	377,000	359,000	354,000	4,141,000	376,455
Water Gallons Flushing/Maint	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	42,000	3,818
Estimated Use - Water Breaks	-									0		100000	100,000	9,091
Total Use	228,500	430,500	223,500	447,500	418,500	357,500	330,500	309,500	336,500	380,500	362,500	457,500	4,283,000	389,364
Percentage Unaccounted For	49.67%	-3.73%	52.00%	-38.98%	21.48%	6.90%	21.31%	27.00%	15.31%	5.03%	-0.69%	1.20%	15.00%	15.00%
Water Gallons Unaccounted	225,499	(15,500)	242,099	(125,503)	114,496	26,500	89,500	114,500	60,834	20,166	(2,500)	5,550	755,641	68,695
Monthly Sewer Revenue														
Sewer Gallons Used/Billed														
Days	35	32	30	35	28	31	33	28	34	28	30	37		
54799281														
Number of Bills	66	66	66	66	66	66	65	68	67	66	65	65		

ZENNER PERFORMANCE

Cast Iron Turbine Meters

Sizes 2" through 12"

INTRODUCTION: ZENNER PERFORMANCE Turbine Meters are designed for applications where flows are usually moderate to high and occasionally low. They are used in measurement of potable cold water in commercial and industrial services where flows are in one direction.

OPERATION: Water flows through the turbine section which causes the rotor to turn proportionately to the quantity of water flowing through the meter. A drive magnet transmits the motion of the rotor to a driven magnet located within the hermetically sealed register. The magnet is connected to a gear train which translates the rotations into volume totalization displayed on the register dial face. The only moving parts in the meter are the rotor assembly and vertical shaft.

CONSTRUCTION: ZENNER PERFORMANCE Turbine Meters consist of three basic components: Cast Iron Epoxy Coated main case, measuring element, and sealed register. The measuring element assembly includes the rotor assembly, vertical shaft and a calibration vane which eliminates the need for calibration change gears.

MAINTENANCE: ZENNER PERFORMANCE Turbine Meters are engineered and manufactured to provide long-term service and operate virtually maintenance free. If necessary the universal measuring element (UME) can be removed from the main case for maintenance. Interchangeability of certain parts between like sized meters minimizes spare parts inventory.

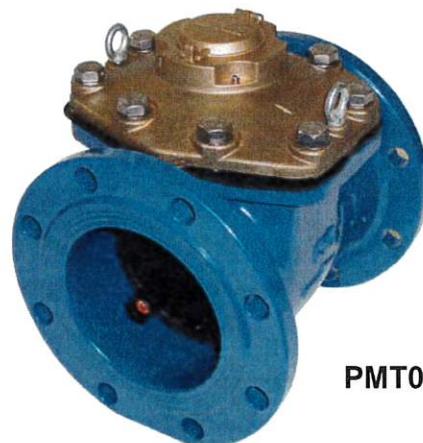
CONFORMANCE: ZENNER PERFORMANCE Turbine Meters are tested and comply with AWWA C701 Class II performance standards.

STRAINERS: ZENNER PERFORMANCE recommends the use of a separate strainer upstream from the turbine meter. Strainers reduce the chance of damage to the rotor as well as the frequency in which it must be removed for inspection. The lack of a strainer may void the warranty of the turbine meter.

CONNECTIONS: Companion flanges for installation of meters on various pipe types and sizes are available in bronze or cast iron.



PMT04



PMT06

ZENNER PERFORMANCE

15280 Addison Rd #340, Addison, TX 75001, (972) 386-6611, Fax (972) 386-1814
www.zennerusa.com

MODEL		PMT02	PMT03	PMT04	PMT06	PMT08	PMT10	PMT12
SIZE		2"	3"	4"	6"	8"	10"	12"
Flow rate maximum intermittent	USGPM	400	550	1250	2500	4500	7000	8800
Maximum continuous	USGPM	200	450	1000	2000	3500	5500	6200
Optimum operating flow range	USGPM	3 - 200	5 - 550	10 - 1250	20 - 2500	30 - 4500	50 - 7000	90 - 8800
Low flow rate	USGPM	2	2-1/2	5	12	20	45	65
Start-up flow rate	USGPM	7/8	1-1/8	1-3/8	7-1/2	8	15	15
Maximum Working Pressure	P.S.I.	160	160	160	160	160	160	160
Maximum Temperature	Deg. F	140	140	140	140	140	140	140
Length	Inches	7-7/8	8-7/8	9-7/8	11-7/8	13-3/4	17-3/4	19-5/8
Height	Inches	9-1/2	10-1/4	11	12-7/8	14-1/4	19	20-1/4
Width	Inches	7	7-1/2	9	11	13-1/2	16	19
Weight	Pounds	24	32	38	84	126	225	255
Number of holes per flange		4	4	8	8	8	12	12