

Issue Analysis Form



Date: November 16, 2017
Item: Utility Credit / Refund to
School System
Utilities / County
Administration / County
Lead Department(s): Attorney / Finance
Dickie Thompson
Contact Person(s): Betsy Drewry

Description and Current Status

Faulty equipment at North Elementary created unusually high utility billings between October 2015 and April 2017.

Dickie Thompson, Prince George County Utility Operations Manager noted unusually high amounts of wastewater being pumped from the station at **North Elementary** in November of 2015. He reached out to Ron Rhodes, Prince George County Public Schools Director of Operations. After two communications, Mr. Thompson suggested a third-party calibration of the flow measurement device at that site. Estimated flow for the month of October was used for billing purposes. See email communications from November 2015 (ATT pages 7-10).

A third-party calibration performed in February of 2016 by ClearWater, Inc. revealed that the monitor was operating properly (see ClearWater Memo and invoice – ATT pages 12-13).

Excessive flow continued following the calibration. Discussions continued between school and utilities personnel between February 2016 and May 2017, but a cause for the issue was not determined.

In May of 2017 Gentry Well Works assessed the situation at North and determined that there was a **faulty check valve** that was creating the issue. Our Utility department requested a copy of the invoice (see Gentry Well Works invoice – ATT pages 14 and 16).

Mr. Rhodes requested a billing adjustment in September of 2017 (ATT page 15).

A \$23,490.45 credit was offered in accordance with Prince George County Ordinance 82-541. This credit is calculated based on the 3 previous months of billing from when the Utility Department was notified of the issue and is per County Ordinance. See attached letter with credit calculation; County Ordinance 82-541; and related email correspondence. (ATT pages 2 – 5).

The School System would like consideration for additional financial relief from the high billing for the 18-month time period between October 2015 and April 2017.

Mr. Micas indicates that any additional utility credit or Board appropriation to the schools would be inconsistent with the methodology set out in Sec. 82-541 Prince George County Code. ***If additional financial relief is provided, the recommendation is to provide as a General Fund appropriation.***

See suggested options in the Fiscal Impact Section below.

Government Path

- Does this require IDA action? Yes No
- Does this require BZA action? Yes No
- Does This require Planning Commission Action? Yes No
- Does this require Board of Supervisors action? Yes No
- Does this require a public hearing? Yes No
- If so, before what date? Yes No

Fiscal Impact Statement

The Utilities Department calculated the difference between actual bill and estimated bills between October 2015 and April 2017 (see attached History Comparison Report – ATT page 1). The difference amounts to **\$68,100.79**.

Actual Bills 02/2016 – 04/2017	\$90,259.79
Estimated Bill 10/2015 - 04/2017	<u>22,159.00</u>
Difference	\$68,100.79

Staff is providing **3 options** if the board chooses to provide a **General Fund Appropriation** for additional financial relief beyond the \$23,490.45 credit permitted by County Ordinance.

Option 1 – Provide **no additional general fund appropriation** and only the Utility credit;

Option 2 – Allow relief of \$34,050.40, **50% or half of calculated difference above**, and provide a **general fund appropriation of \$10,559.95** (amount above Utility Credit) [\$34,050.40 - \$23,490.45 credit];

Option 3 – Allow relief of **100% of the calculated difference above**, and provide a **general fund appropriation of \$44,610.34** (amount above Utility Credit) [\$68,100.79 – \$23,490.45 credit].

County Impact

Use of General Fund Contingency
Exceeding requirements of County Ordinance (potential precedent for other customers)

Notes

Board of Supervisors
County of Prince George, Virginia

Resolution

At a regular meeting of the Board of Supervisors of the County of Prince George held in the Boardroom, Third Floor, County Administration Building, 6602 Courts Drive, Prince George, Virginia this 28th day of November, 2017:

Present:

Vote:

William A. Robertson, Jr., Chairman
Donald R. Hunter, Vice-Chairman
Alan R. Carmichael
Hugh G. Mumford
T. J. Webb

A-4

On motion of _____, seconded by _____, which carried unanimously, the following Resolution was adopted:

RESOLUTION; BUDGET TRANSFER AND APPROPRIATION INCREASE TO SCHOOLS (\$ _____ TO PROVIDE BILLING RELIEF FOR HIGH BILLINGS AT NORTH ELEMENTARY CAUSED BY FAULTY EQUIPMENT)

WHEREAS, high county utility billings were ongoing at North Elementary between October 2015 and April 2017 and were ultimately determined to be related to faulty equipment (check valve); and

WHEREAS, County Ordinance 82-541 provides a calculated credit to Prince George County Public Schools of \$23,490.45 for a maximum period of 12 months, but does not permit County Utilities to provide additional relief; and

WHEREAS, the Prince George County Board of Supervisors wishes to provide additional financial relief to Prince George County Public Schools through a General Fund Appropriation of \$ _____;

NOW, THEREFORE, BE IT RESOLVED That the Board of the Supervisors of the County of Prince George this 28th day of November, 2017, does hereby authorize the following increase of funds within the 2017-2018 Budget, such line items increased as follows, which monies to be expended for purposes authorized and approved by the Board of Supervisors of the County of Prince George:

FUND/ORGANIZATION

AMOUNT

TRANSFER

Increase:

0100-09-401-0917-49150 – General Fund Transfer to Schools \$ _____

Decrease:

0100-09-401-0917-49199 – General Fund Contingencies \$ _____

SCHOOL APPROPRIATION INCREASE

Revenues:

0500-90-000-0000-00000-399100 - Transfer from General Fund \$ _____

Expenditures:

0500-06-209-6011-69000-49199 – School Contingency \$ _____

A Copy Teste:

Percy C. Ashcraft
County Administrator

9/27/2017

NORTH ELEMENTARY HISTORY COMPARISON REPORT

NORTH ELEMENTARY - 05011110600

READ DATE IS FOR THE PRIOR 2 MONTHS USAGE

Read Date	Bill #	Current	Bill Usage	Bill Amt	
08/01/2017	52140	22116284	111367	846.49	
06/01/2017	47828	22004917	471260	3308.16	
04/01/2017	44394	21533657	1039710	7196.36	2435
02/01/2017	39260	20493947	2148273	14778.93	3068
12/01/2016	35015	18345674	2762880	18982.84	2000
10/01/2016	30773	15582794	2552189	17541.71	4470
8/1/2016			1650514	11374.26	2510
6/1/2016			559622	3912.55	2173
4/1/2016			1199025	8286.07	2435
2/1/2016			1184551	8187.07	3068
12/1/2015			300000	2136.74	
10/1/2015			641150	4470.21	
8/1/2015			354686	2510.79	
6/1/2015			305407	2173.72	
4/1/2015			343730	2435.85	
2/1/2015			436285	3068.93	
12/1/2014			200000	2000.00	

Actual Bill Amount Total 2/16-4/17
 Estimated Bill Amount Total 10/15-4/17

\$ 90,259.79
 \$ 22,159.00
Diff \$ 68,100.79

COUNTY OF PRINCE GEORGE, VIRGINIA

Percy C. Ashcraft
County Administrator



BOARD OF SUPERVISORS

Alan R. Carmichael
Donald Hunter
William A. Robertson, Jr.
Hugh G. Mumford
T.J. Webb

October 16, 2017

Mr. Kevin Foster, Chairman Prince George County School Board
Prince George County School Board
P O Box 400
Prince George, VA 23875

Dear Mr. Foster:

In accordance with County Ordinance 82-541 – *All Wastewater chargeable; leaks*, a credit in the amount of \$23,490.45 is being issued to the Prince George County School Board to address unusually high utility billings caused by faulty equipment at North Elementary School (account #05011110600).

The maximum billing duration for which a credit can be considered and issued is twelve months per ordinance 82-541. Attached is the calculation of the credit; North Elementary flow history; County Ordinance 82-541; and related staff email correspondence.

The credit will be applied against future billings until which time the credit is exhausted.

If you have questions or require additional information, please contact Mr. Dickie Thompson, Acting Director of Utilities, at 804-722-8706.

Sincerely,


Percy C. Ashcraft, County Administrator

c.c. Mrs. Renee Williams, Superintendent
Mr. Steve Micas, County Attorney
Mr. Dickie Thompson, Acting Utilities Director
✓ Mrs. Betsy Drewry, Finance Director

9/27/17 NORTH ELEMENTARY SCHOOL 05011110600

See COUNTY CODE SEC. 82-541.-All wastewater chargeable; leaks.

BILLING MONTHS (COVERS PRIOR 2 MO)	CHARGES	CREDIT	BALANCE DUE USING LEAK POLICY 1X 12 MONTHS
Aug-16 3 PREVIOUS BILLS	3912.55 8286.07 <u>8187.07</u> 20385.69 AVG 6795.23	\$ 4,579.03	\$ 6,795.23
16-Oct 3 PREVIOUS BILLS	11374.26 3912.55 <u>8286.07</u> 23572.88 AVG 7857.63	\$ 9,684.08	\$ 7,857.63
Dec-16 3 PREVIOUS BILLS	17541.71 11374.26 <u>3912.55</u> 32828.52 AVG 10942.84	\$ 8,040.00	\$ 10,942.84
Feb-17 3 PREVIOUS BILLS	18982.84 17541.71 <u>11374.26</u> 47898.81 AVG 15966.27	\$ 1,187.34	\$ 15,966.27
		\$ 23,490.45 Total	

North Elementary Sewer Flows

	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
2016													
North Elem.	200,976	186,020	157,710	124,312	181,095	272,261	82,425	20,934	620,216	150,000	150,000	725,141	2,871,090
Daily Avg	6,483	6,644	5,087	4,144	5,842	9,075	2,659	675	20,674	4,839	5,000	23,392	
2016													
North Elem.	459,410	462,767	736,258	766,187	793,435	754,259	896,255	1,216,429	1,335,760	1,380,652	1,382,228	1,167,889	11,351,529
Daily Avg	14,820	16,527	23,750	25,540	25,595	25,142	28,911	39,240	44,525	44,537	46,074	37,674	
2017													
North Elem.	980,384	506,876	532,834	230,000	241,260	88,760	22,607	100,278	0	0	0	0	2,702,999
Daily Avg	31,625	18,103	17,188	7,667	7,783	2,959	729	3,235	0	0	0	0	

Sec. 82-233. - All water chargeable; leaks.

- (a) All water passing through and being recorded on a water meter shall be charged to the user of record from the time service is started until the time service is terminated.
- (b) When a water leak is discovered, and the customer does not take action within five days to repair the leak, the director may cause to have the water service terminated until such time as written notification is given to the director that the leak has been repaired.
- (c) When a water leak occurs and the customer can prove prompt action was taken to repair the leak, the director may cause any charges to be reduced to the average of the total charges for the three previous bills. Adjustment for underground water leak will not be allowed again during the next 12-month period.

Sec. 82-541. - All wastewater chargeable; leaks.

- (a) All water passing through and being recorded on a water meter or wastewater directly measured by a wastewater meter shall be charged to the user of record from the time service is started until the time service is terminated
- (b) When a water leak or a wastewater leak is discovered, and the customer does not take action within five days to repair the leak, the director may cause to have the water service terminated until such time as written notification is given to the director that the leak has been repaired.
- (c) When a water leak is discovered and the customer can prove prompt action was taken to repair the leak, the director may cause any charges to be reduced to the average of the total charges for the three previous bills. Adjustment for a water leak will not be allowed again during the next 12-month period.
- (d) When a wastewater leak occurs and the customer can prove prompt action was taken to repair the leak, the director may cause any charges to be reduced to the average of the total charges for the three previous bills. Adjustment for a leak will not be allowed again during the next 12-month period.
- (e) No adjustment for a water leak or a wastewater leak shall be made for charges based on wastewater directly measured by a wastewater meter.

From: Ronald Rhodes [<mailto:Rrhodes@pgs.k12.va.us>]
Sent: Tuesday, January 19, 2016 11:08 AM
To: Dickie Thompson
Cc: Chip England; Renee Williams
Subject: RE: North Elementary Sewer Flow Meter

Dickie-

Thanks. I have spoken to Clearwater and have set up a date for them to check it out. By reading your flow chart it seems the flow was almost the same over Christmas break as it is on the weekends.

Ronald T. Rhodes
Director of Operations
Prince George County Schools
6410 Courts Drive
Prince George County VA 23875
804-732-4205 Office
804-732-4206 Fax

From: Dickie Thompson [<mailto:DThompson@princegeorgecountyva.gov>]
Sent: 19 January, 2016 08:27 AM
To: Ronald Rhodes <Rrhodes@pgs.k12.va.us>
Cc: Chip England <CEngland@princegeorgecountyva.gov>
Subject: RE: North Elementary Sewer Flow Meter

Ron,

Attached is a copy of the report for the lift station flow from the pump station located at the North Elementary and PG Recreation Department/Community Center. Based on the data from the report, there still appears to be increased flow coming into and leaving that station. The report indicates an average of approximately 13,000 gallons per day during the Christmas break when schools were closed.

As mentioned in the email that was sent on November 30th (see below) we requested that you have the flow measuring device calibrated and provide documentation of the meter's accuracy. We will be billing the calculated volume from the December report unless there is documentation to show otherwise.

If you have any questions regarding this matter, do not hesitate to contact us.

Regards,

Richard L. Thompson, Jr. "Dickie"

Utility Operations Manager

Department of Engineering and Utilities

6602 Courts Drive

Prince George, VA 23875

Office (804) 722-8687

Fax (804) 733-2779



Prince George County... A global community where families thrive and businesses prosper.

From: Dickie Thompson

Sent: Monday, November 30, 2015 9:16 AM

To: 'Ronald Rhodes'

Cc: Chip England; Deenie Anderson; Tommy Gibbs

Subject: North Elementary Sewer Flow Meter

Ron,

Good morning.

Upon collecting the monthly flow data for the North Elementary sewer pumping station, we noticed that the flow measurement device may not be calculating the correct total volume of wastewater being pumped from the station. Therefore, based on the water withdrawal information you sent me for the month of October and a six month average daily calculated flow, we plan to estimate the total sewer flow for the month of October.

The flow measurement device that was installed on the sewer lift station is an ISCO 4501 Station Monitor. It works by monitoring pump starts/stops and the duration of pumping then calculating a total flow rate based on input parameters (either pump capacity in gallons per minute or actual volume pumped from the station). One thing that was noticed on the pump reports is an excessive number of pump cycles (starts and stops). This could be indicative of an excessive volume of water entering the station, incorrect placements of pump floats, or faulty monitoring equipment (amp clamps on the motor starters).

We highly request you provide a third party calibration/check of the flow monitoring equipment as soon as possible to ensure accuracy of the flow meter. This will not only verify proper operation of the equipment but will ensure that you are being billed correctly and we are accounting for the correct volume of sewer being pumped. Please forward me a copy of this calibration/check documentation once completed.

If you have any questions or comments regarding this situation, do not hesitate to contact me. The ISCO Station Monitor representative is Clearwater, Inc. and a couple contacts are Bernie Moore at (804) 720-9790 or Ryland Brown at (704) 756-0088.

Regards,

Richard L. Thompson, Jr. "Dickie"

Utility Operations Manager

Department of Engineering and Utilities

6602 Courts Drive
Prince George, VA 23875
Office (804) 722-8687
Fax (804) 733-2779



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From: Dickie Thompson
Sent: Monday, November 09, 2015 12:07 PM
To: 'Ronald Rhodes'
Subject: RE: North Elem Pump Station

Great, thanks. I have no idea, good thought. You can assure there are no combined sewers at the New school grounds??

Would you be able to provide me with water usage since January?

Dickie

From: Ronald Rhodes [<mailto:Rrhodes@pgs.k12.va.us>]
Sent: Monday, November 09, 2015 11:49 AM
To: Dickie Thompson
Cc: Rhonda Munford; Patrick Bingham; Renee Williams
Subject: RE: North Elem Pump Station

Dickie-

We have reviewed our logs on well water usage and last month we only used 88,700 gallons of water during the month of October. Where does the ground run off and roof water drain to at the recreation center? Does it go into the sewer?

Ronald T. Rhodes
Director of Operations
Prince George County Schools
6410 Courts Drive
Prince George County VA 23875
804-732-4205 Office
804-732-4206 Fax

From: Dickie Thompson [<mailto:DThompson@princegeorgecountyva.gov>]
Sent: 09 November, 2015 11:37 AM
To: Ronald Rhodes <Rrhodes@pgs.k12.va.us>
Cc: Chip England <CEngland@princegeorgecountyva.gov>
Subject: North Elem Pump Station

Attached are several data sheets from the monitoring device that is installed at the station next to the Rec Dept. I would be more than happy to meet with you to go over it and answer any questions. It looks to me like

excessive inflow (possible leak, stuck valve, ??) to the station. It does not appear that the wet well has flooded and the pumps are keeping up with the amount of flow coming in. I'd be real curious to see how much water the well has produced.

I'm still looking into the station operations and obtaining physical data for a few days.

Regards,

Richard L. Thompson, Jr. "Dickie"
Utility Operations Manager
Department of Engineering and Utilities
6602 Courts Drive
Prince George, VA 23875
Office (804) 722-8687
Fax (804) 733-2779



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MONTHLY REPORT for period December 01, 2015 to December 31, 2015
 Station Name: NORTH ELEMENTARY, 2014

Flow units: Gallons/Min

Inflow scale: 0%=1 GalPm, 100%=60 GalPm

Date	Day	Volume	INFLOW				Pump #1		Pump #2		Pump #3	
			Avg	Min	Time	Max	Avg	Time	Avg	Time	Avg	Time
01	Tue	23573	16.37	0.4484	00:00	86.47	10:56	90.00	03:14	0	00:00	
02	Wed	19188	13.32	3.619	16:08	83.36	15:27	90.00	02:12	0	00:00	
03	Thu	13221	9.182	4.404	21:42	27.93	13:36	90.00	01:16	0	00:00	
04	Fri	45246	31.42	4.213	06:37	89.55	02:02	90.00	07:18	0	00:00	
05	Sat	24379	16.93	1.841	07:26	89.09	00:39	90.00	03:58	0	00:00	
06	Sun	9121	6.334	2.609	09:00	10.54	09:35	90.00	00:54	0	00:00	
07	Mon	49979	34.71	0.528	20:31	89.48	01:56	90.00	08:19	0	00:00	
08	Tue	44787	31.10	0.528	00:00	89.54	00:52	90.00	07:35	0	00:00	
09	Wed	27795	19.30	1.978	15:58	87.45	14:42	90.00	04:05	0	00:00	
10	Thu	31030	21.55	1.233	04:04	88.30	16:20	90.00	04:32	0	00:00	
11	Fri	23697	16.46	1.568	18:01	88.17	12:30	90.00	03:18	0	00:00	
12	Sat	10894	7.565	6.257	23:21	13.57	13:05	90.00	01:02	0	00:00	
13	Sun	8067	5.602	0.629	21:05	61.85	13:11	90.00	00:52	0	00:00	
14	Mon	24201	16.81	0.925	06:11	86.78	09:21	90.00	03:25	0	00:00	
15	Tue	24271	16.85	2.849	17:09	86.12	19:36	90.00	03:07	0	00:00	
16	Wed	25069	17.41	1.023	22:08	88.36	19:45	90.00	03:35	0	00:00	
17	Thu	67422	46.82	1.661	20:24	89.60	00:40	90.00	11:32	0	00:00	
18	Fri	80926	56.20	1.125	21:35	89.67	01:41	90.00	14:11	0	00:00	
19	Sat	10282	7.141	0.3827	08:03	63.24	12:21	90.00	01:12	0	00:00	
20	Sun	11235	7.802	6.358	21:07	9.62	03:26	90.00	01:05	0	00:00	
21	Mon	11211	7.785	5.756	14:27	14.86	04:24	90.00	01:03	0	00:00	
22	Tue	12300	8.542	6.256	04:08	18.49	09:14	90.00	01:11	0	00:00	
23	Wed	14952	10.38	7.035	00:40	18.94	08:58	90.00	01:26	0	00:00	
24	Thu	14917	10.36	8.013	12:21	18.83	12:09	90.00	01:26	0	00:00	
25	Fri	14278	9.92	8.074	19:05	16.24	15:46	90.00	01:21	0	00:00	
26	Sat	14159	9.83	8.003	14:44	14.10	21:29	90.00	01:22	0	00:00	
27	Sun	13760	9.56	7.704	03:54	29.08	03:45	90.00	01:19	0	00:00	
28	Mon	13221	9.182	5.584	11:15	39.96	11:07	90.00	01:15	0	00:00	
29	Tue	12621	8.765	5.656	15:32	10.52	09:41	90.00	01:13	0	00:00	
30	Wed	12563	8.724	5.398	04:37	11.01	16:35	90.00	01:12	0	00:00	
31	Thu	16775	11.65	0.614	23:41	61.03	20:41	90.00	01:54	0	00:00	

COMBINATIONS OF PUMPS

Pumps	Average Occurrences	Timer
1	90.00	32:39
2	90.00	1743
3	90.00	1743
1 & 2	0	00:00
1 & 3	94	02:14
2 & 3	0	00:00
1 & 2 & 3	0	00:00

OTHER INFORMATION

Power failure	Qty: 0	00:00:00
Input #4	Qty: 0	00:00:00
Input #5	Qty: 0	00:00:00
Input #6	Qty: 0	00:00:00
Input #7	Qty: 0	00:00:00

SPECIAL EVENTS

Description	Day	Qty	Duration	Other
		1837	34:53	101:37

Flow report 1/14/16 ATT PAGE 11
 email attachment

Mr. Ronald T. Rhodes
Director of Operations
Prince George County Schools
6410 Courts Drive
Prince George County VA 23875
804-732-4205 Office
804-732-4206 Fax
E-Mail: Rrhodes@pgs.k12.va.us

Reference: Pump Station Flow Meter Calibration

Dear Mr. Rhodes:

This is to confirm that the Teledyne ISCO Model 4501 Pump Station Monitor installed at the pump station serving your school was checked for proper programming and proper operation on February 2, 2016. Drawdown tests were also performed on this date, for purpose of calibrating the system to the volume displaced per pump cycle.

The pump station wet well diameter was confirmed to be 72". The vertical displacement was measured over three concurrent drawdowns, and found to be 8". This equates to a volume per pump cycle of 141 gallons.

The system has previously been set up to measure flow based on pump capacity, which was programmed into it at 90.0 GPM. While this method of flow calculation is acceptable, it can become less accurate as a pump wears, or if a pump is serviced or replaced. Accordingly, it is recommended that the method of flow calculation for this system be changed to reflect flow calculation using volume (141 gallons) for future records.

I hope that this information is complete and suitable for your use at this time. If you have any questions, or if I can be of assistance in any manner, please call at my Lynchburg office, 434-525-7929.

Best Regards,

Ryland Brown
ClearWater, Inc.

Cc: Dickie Thompson DThompson@princegeorgecountyva.gov



P.O. BOX 580 / INDIAN TRAIL, NC 28079 / 704-821-8777 / 800-947-0852 / FAX 704-821-6466 www.clearwaterinc.net

EQUIPMENT SERVICE / CALIBRATION

CUSTOMER <i>PRINCE GEORGE COUNTY PUBLIC SCHOOLS</i>		DATE <i>2/2/16</i>
ADDRESS <i>6410 COURT 3 DRIVE</i>		CONTACT <i>RONALD RUODES</i>
CITY STATE ZIP CODE <i>PRINCE GEORGE, VA 23875</i>		TELEPHONE # <i>804-732-4205</i>

SERIAL NUMBER	PURCHASE ORDER #
TOTALIZER	*** PLEASE PROVIDE PO# AT TIME OF SERVICE OR CALL OR EMAIL PO# TO MAIN OFFICE AT 828-655-3182 or jaimie@clearwaterinc.net ***
BEGIN LEVEL	NEXT SERVICE VISIT
END LEVEL	<input type="checkbox"/> 3 months <input type="checkbox"/> 6 months <input type="checkbox"/> 12 months

CALIBRATION	REPAIR	EQUIPMENT	SIZE	PRIMARY DEVICE	SERVICE PRICE
<input type="checkbox"/>	<input type="checkbox"/>	4210 Ultrasonic Flow Meter	<input type="checkbox"/>	Trapezoidal Flume	
<input type="checkbox"/>	<input type="checkbox"/>	4220 Submerged Probe Flow Meter	<input type="checkbox"/>	Parshall Flume	
<input type="checkbox"/>	<input type="checkbox"/>	4230 Bubbler Flow Meter	<input type="checkbox"/>	Palmer-Bowius Flume	
<input type="checkbox"/>	<input type="checkbox"/>	3010 Ultrasonic Flow Transmitter	<input type="checkbox"/>	V-notch Weir	
<input type="checkbox"/>	<input type="checkbox"/>	3210 Flow Meter	<input type="checkbox"/>	Rectangular Weir	
<input type="checkbox"/>	<input type="checkbox"/>	3230 Flow Meter	<input checked="" type="checkbox"/>	<i>6' DIA ENCLOSED VAULT</i>	<i>\$600.00</i>
<input type="checkbox"/>	<input type="checkbox"/>	Signature Flow Meter			

PARTS REPLACED		QTY	P/N	DESCRIPTION	PARTS PRICE
<input checked="" type="checkbox"/>	<input type="checkbox"/>		60-8004-126	Isco double junction pH/temp probe	
<input type="checkbox"/>	<input type="checkbox"/>		60-3213-098	Printer Assembly	
<input type="checkbox"/>	<input type="checkbox"/>		60-2313-019	Plotter Paper	
<input type="checkbox"/>	<input type="checkbox"/>		250-0200-00	Printer Ribbon	

Confined Space Service

Calibrated pH @ 4, 7 & 10 Buffers

Cleaned Bubbles Tube & Line Checked Chart Recorder Signal Strength (4210):

Desiccant Change Pump Duty Cycle (4230):

Checked Battery Backed Power Pack - Supply Voltage:

Mileage _____ miles @ \$ _____ /mile

SPECIAL CAL LETTER

TOTAL *\$600.00*

COMMENTS

SERVICE CALL - CUSTOMER REQUESTED CALIBRATION OF ISCO MODEL 4501 PUMP STATION MONITOR LOCATED AT NORTH ELEMENTARY SCHOOL. 3 PUMP CYCLE DRAWDOWNS PERFORMED. RESULTING DATA SHOWING ACCURATE FLOW (1.16 GALLONS / CYCLE) AS PER DESIGN SPECIFICATIONS. NO ADJUSTMENTS MADE AT THIS TIME.

** THIS IS NOT AN INVOICE. PLEASE DO NOT PAY FROM THIS SERVICE FORM **

B. Moore
ClearWater, Inc. Service Technician

Ronald Rudes
Customer Signature

Dickie Thompson

From: Dickie Thompson
Sent: Thursday, May 04, 2017 3:14 PM
To: 'Ronald Rhodes'
Subject: North Elementary Pump Station

Ron,

Would you be able to provide me with documentation of the repair on the faulty check valve that was made at the pump station at North Elementary?

Regards,

Richard L. Thompson, Jr. "Dickie"
Utility Operations Manager
Department of Engineering and Utilities
6602 Courts Drive
Prince George, VA 23875
Office (804) 722-8687
Fax (804) 733-2779



Prince George County.... A global community where families thrive and businesses prosper.

Dickie Thompson

From: Ronald Rhodes <Rrhodes@pgs.k12.va.us>
Sent: Wednesday, September 27, 2017 12:59 PM
To: Dickie Thompson
Cc: Renee Williams
Subject: sewer
Attachments: Scan20170927120506.pdf

Dickie-

Please see the attached invoice that you requested. Let me know if there is any way possible to adjust our billing due to the value issue we had at North.

Thanks,

Ronald T. Rhodes
Director of Operations
Prince George County Schools
6410 Courts Drive
Prince George County VA 23875
804-733-2700 Office

Gentry Well Works, Inc
 23522 Cox Road
 N. Dinwiddie, VA 23803
 (804)733-6519

#161088

Invoice

Date	Invoice #
5/8/2017	14389

Bill To
Prince George County School Board P.O. Box 400 Prince George VA 23875

Terms	Rep
Due on receipt	PG

Quantity	Description	Rate	Amount
	North Elementary - Replace valves on sewer pumps		
2	2" Brass Swing Valve	85.00	170.00
4	2" Brass Close Nipple	32.50	130.00
2	2" Brass Nipple	29.50	59.00
1	2-1/2 Brass Nipple	32.50	32.50
1	2" Compression Ball Valve	85.00	85.00
6	Total Labor Charge	100.00	600.00


 Inv# 14389 \$ 1,076.50
 GENTRY WELL WORKS INC
 06/05/2017 # Pages 1 FP1 D0C72S4661

Furniture & Fixtures
 0500-06-208-6010-66200-000-900-000-
 48102

RECEIVED
 MAY 13 2017
Ronald T. Rhoden
 BY: _____

*Att
6/8/17*

Total	\$1,076.50
Payments/Credits	\$0.00
Balance Due	\$1,076.50

We do Accept Visa & Master Card