

DARSWEIL L. ROGERS, COMMISSIONER
WADE R. FOWLER, JR., COMMISSIONER
EVELYN O. SHAW, COMMISSIONER
D. RALPH HUFF, III, COMMISSIONER
DAVID W. TREGO, CEO/GENERAL MANAGER



FAYETTEVILLE PUBLIC WORKS COMMISSION
955 OLD WILMINGTON RD
P.O. BOX 1089
FAYETTEVILLE, NORTH CAROLINA 28302-1089
TELEPHONE (910) 483-1401
WWW.FAYPWC.COM

PUBLIC WORKS COMMISSION
MEETING OF WEDNESDAY, JANUARY 10, 2018
8:30 A.M.

AGENDA

I. REGULAR BUSINESS

- A. Call to order
- B. Approval of Agenda

II. CONSENT ITEMS *(See Tab 1)*

- A. Approve Minutes of meeting of December 13, 2017.

END OF CONSENT

III. FAYETTEVILLE/CUMBERLAND COUNTY ECONOMIC DEVELOPMENT CORP.
UPDATE

Presented by: Robert Van Geons, FCEDC President and CEO

IV. STRATEGIC PLAN UPDATE - CUSTOMER PROGRAMS

Presented by: Mark Brown, Customer Programs Senior Officer

V. GENERAL MANAGER REPORT *(See Tab 2)*

- A. Open Commission Requests

VI. REPORTS AND INFORMATION *(See Tab 3)*

- A. Monthly Cash Flow Report – November 2017
- B. Recap of Uncollectible Accounts – November 2017
- C. Investment Report – November 2017

BUILDING COMMUNITY CONNECTIONS SINCE 1905

AN EQUAL EMPLOYMENT OPPORTUNITY EMPLOYER

D. Personnel Report – December 2017

E. Position Vacancies

F. Approved N.C. Department of Transportation Encroachment Agreement(s):

- Encr. #18612 – install. of 6” RJDl water lateral and 1” PE water lateral for Lafayette Funeral Home
- Encr. #18613 – water/sewer lateral @ US HWY 401 BYP (Pamalee Dr.) for Circle K Pamalee Dr.
- Encr. #18615 – sanitary sewer main install. @ SR 2550 (Lytte-ton Dr). for N. Fayetteville Sewer Outfall.
- Encr. #18616 – sanitary sewer main install. on SR1607 (Elliott Bridge Road) for N. Fayetteville Sewer Outfall
- Encr. #18617 – sanitary sewer main install. on SR1763 (Lakeview Street) for N. Fayetteville Sewer Outfall
- Encr. #18618 – sanitary sewer main install. nr. SR 2521 & Crystobal Road

VII. ADJOURN

D-R-A-F-T

PUBLIC WORKS COMMISSION
MEETING OF WEDNESDAY, DECEMBER 13, 2017
8:30 A.M.

Present: Wade R. Fowler, Jr., Chairman
D. Ralph Huff, III, Vice-Chairman
Darsweil L. Rogers, Secretary
Evelyn O. Shaw, Treasurer

Others Present: David W. Trego, CEO/General Manager
Jay Reinstein, Assistant City Manager
Jim Arp, City Council Liaison (VIA TELECONFERENCE)
Melissa Adams, Hope Mills Town Manager/Liaison
PWC Staff

Absent: Michael Boose, Cumberland County Liaison
Media

REGULAR BUSINESS

Chairman Fowler called the meeting of Wednesday, December 13, 2017, to order.

APPROVAL OF AGENDA

Upon motion by Commissioner Shaw and seconded by Commissioner Huff, the agenda was unanimously approved.

Prior to approval of Consent Items, Mr. Trego announced the retirement of J. Dwight Miller, Chief Financial Officer, after 19 years of service to PWC. Mr. Trego expressed his thanks to Mr. Miller. He stated Dwight Miller leaves PWC in perhaps the best financial shape we have ever been in. Mr. Trego stated Dwight Miller has helped staff and Commissioners make good decisions.

Mr. Trego also stated while we search for a new Chief Financial Officer, Rhonda Haskins has graciously consented to serve as Interim Chief Financial Officer until a new one is named.

Commissioners Rogers and Shaw thanked Mr. Miller for his flexibility and outstanding stewardship. Commissioner Fowler stated Mr. Miller has done a great job and thanked him for his service.

Bobby Russell, Human Resources Officer, announced Jason Campbell, the new PWC Safety Specialist.

CONSENT ITEMS

Upon motion by Commissioner Shaw and seconded by Commissioner Rogers, the Consent Items were unanimously approved.

- A. Approve Minutes of meeting of November 8, 2017
- B. Approve bid recommendation to award bid for purchase of 40,000 feet of 750 MCM Underground Primary Distribution Cable, PWC Stock No. 1-065-522 (with option to purchase additional quantities within a one-year period upon agreement of both parties) to Anixter, Inc., Apex, NC, the lowest responsive, responsible bidder in the total amount of \$241,920.00, and forward to City Council for approval.

The 750 MCM Underground Primary Distribution Cable is an Electric Inventory Item.

Bids were received on November 7, 2017 as follows:

<u>Bidders</u>	<u>Total Cost</u>
Anixter, Inc., Apex, NC	\$241,920.00
Wesco Distribution, Inc., Clayton, NC	\$243,040.00
Stuart C Irby, Fredericksburg, VA	\$257,175.00
Shealy Electrical Wholesalers, Greenville, SC	\$286,740.00 *

*Shealy Electrical Wholesalers quoted 40,500'

Comments: Plans and specifications were requested by seven (7) suppliers with four (4) responding. This cable is a regularly stocked electric inventory item last purchased in February of 2017 at a cost of \$5.369 per foot. The current bid price is \$6.048. The cost of this cable fluctuates due to metals pricing.

Local/SDBE Participation: Anixter, Inc. is not classified as a SDBE, minority or woman-owned business. There are no known local vendors who can supply this equipment.

- C. Approve bid recommendation to award bid for the purchase and delivery of all materials, equipment and incidentals for two (2) sets of 69 to 15 or 25 kV Transformer No. 1 Relay Control Switchboards and two (2) SCADA HMI and Communications Switchboards to Keystone Electrical Mfg. Co., Des Moines, IA, the

D-R-A-F-T

lowest responsive, responsible bidder in the total amount of \$173,936.80, and forward to City Council for approval.

The Relay Control Switchboards and SCADA HMI Switchboards for a 69 to 15 or 25 kV Substation are budgeted in EL31-T/D Differential and Back-up Overcurrent Relay Replacement

Bids were received on November 2, 2017 as follows:

<u>Bidders</u>	<u>Total Cost</u>
Keystone Electrical Mfg. Co., Des Moines, IA	\$173,936.80
Electrical Power Products, Inc., Des Moines, IA	\$177,540.00
SEL Engineering Services, Inc., Charlotte, NC	\$183,532.00
AZZ Enclosure Systems, LLC, Millington, MD	\$184,940.31
KVA, Inc., Greer, SC	\$207,044.00
KEMCO Industries, LLC, Sanford, FL	\$227,174.00

Comments: Plans and specifications were requested from twelve (12) suppliers with six (6) suppliers responding. The lowest responsive, responsible bidder is recommended.

Local/SDBE Participation: Keystone Electrical Mfg. Co. is not classified as a SDBE, minority or woman-owned business. There are no known local vendors who can supply this equipment.

- D. Approve bid recommendation to award bid for purchase and delivery of two (2) ABB 72.5 kV Disconnecting Circuit Breakers for the replacement of the two breakers at PO Hoffer Substation and Murray Fork Substations to ABB, Inc., Mt. Pleasant, PA, the lowest responsive, responsible bidder in the total amount of \$92,800.00, and forward to City Council for approval.

The two (2) ABB 72.5 kV Disconnecting Circuit Breakers are budgeted in EL33 – T/D Sub 66 kV Power Transformer Protection Equipment Upgrade (CPR1000218).

Bids were received on November 9, 2017 as follows:

<u>Bidders</u>	<u>Total Cost</u>
ABB, Inc., Mt. Pleasant, PA	\$ 92,800.00
Wesco Distribution, Raleigh, NC	\$104,500.00

Comments: Plans and specifications were requested by two (2) suppliers with two (2) suppliers. The lowest responsive, responsible bidder is recommended. .

Local/SDBE Participation: ABB, Inc. is not classified as a SDBE, minority or woman-owned business. There are no known local vendors who can supply this equipment.

- E. PWCORD2017-26 – Electric and Water/Wastewater (W/WW) Budget Amendment #2

D-R-A-F-T

PWCORD2017-26 is an Electric and Water/Wastewater FY 2018 amendment increasing the Electric Fund \$255,100 to \$253.9 million. The W/WW Fund budget is increasing \$1,076,500 to \$110.8 million.

Electric Fund

- Increase in revenue of \$255,100. Included in this amount, is an increase in Federal Grant revenue of \$213,100 and an increase in State Grant revenue of \$42,000. The increase is due to FEMA and NC Department of Public Safety reimbursement proceeds relating to claims resulting from Hurricane Matthew.
- A transfer to the new Substation Rebuild CPF of \$500,000 to cover the additional cost of property, associated surveys, appraisals and negotiation work for the acquisition of the Sallie Hill Farm property. Funds have been made available by deferring an existing project (CPR1000065 POD V 230-66kV Substation ROW Acquisition).
- A transfer within the Rates Department of \$25,500 from the Electric Fund to the Water Fund for consulting expenses to update PWC's facility investment fees.

W/WW Fund

- Increase in Federal Grant revenue of \$439,600 and an increase in State Grant revenue of \$136,900 due to FEMA and NC Department of Public Safety Hurricane Matthew claim reimbursements.
- Increase in Contribution Revenue and Capital Expenditures relating to the NCDOT Utility Relocation Agreement to relocate a section of sewer main that is along Buckhead Creek. The total expected cost for FY 2018 is \$500,000. NCDOT will reimburse PWC for the cost.
- A transfer within the Rates Department of \$25,500 from the Electric Fund to the Water Fund for consulting expenses to update PWC's facility investment fees.

Staff recommends that the Commission adopt the budget ordinance amendment.

F. Capital Project Fund (CPF) Budget Ordinances

Below are the CPF budget ordinances for Commission action and a summary explaining the purpose for each. The majority of the changes are reallocating bond proceeds to provide funds for the design of Annexation Areas 32 – 34. NCDOT has recently accelerated the I-295 project impacting these areas and caused an acceleration to complete the proposed design by April 2018.

The following ordinances will be effective upon adoption:

- PWCORD2017-27 - Annexation Areas 16-17 CPF is almost complete and is adjusted to its estimated final cost. This releases \$3,372,700 of allocated bond proceeds that will be used in Annexation Areas 18-19.

D-R-A-F-T

- PWCORD2017-28 - Annexation Areas 18-19 CPF is amended to add bond proceeds as a partial funding source. This will release \$4,555,000 in committed funds from the Annexation Reserve Fund that will be used towards the new accelerated Annexation Areas 32-34. These proceeds were made available from the amendments to Areas 16-17 and the 2016 W/S Revenue Bond CPF.
- PWCORD2017-29 - 2016 W/S Revenue Bond CPF is also amended to reallocate bond proceeds to Annexation Areas 18-19. This was made possible by delaying projects that were not in the construction phase. These projects will more than likely be funded by the next bond issuance planned in the Fall of 2018.
- PWCORD2017-30 - Annexation Reserve Fund is amended to decrease its funding to Annexation Areas 18-19 by \$4,555,000 and allocates the remaining funds of \$8 million to Annexation Areas 32-34. This is the current estimate to complete the design of these areas.
- PWCORD2017-31 - Annexation Areas 32-34 CPF establishes the Fund and budget for these areas. Design costs estimated at \$8 million will be performed this fiscal year and construction at a later date.

Staff recommends the Commission adopt the above budget CPF ordinance and ordinance amendments.

END OF CONSENT

4 MONTH (JULY THRU OCTOBER 2017) FINANCIAL RECAP – (Goal #1)

Presented by: J. Dwight Miller, Chief Financial Officer
Brenda Brown, Controller

Dwight Miller, Chief Financial Officer stated he will do the presentation as Ms. Brown is not able to be in the meeting today.

He stated the recap is for four months, ending October 31, 2017. Mr. Miller noted in the budgeting process some expenses do not come in the month projected.

He stated the Electric G&A Expenses are above last year by 17.6%, but under budget for this year. The Electric Other Operating Expenses are down 4.2%. The Electric City Transfer/PILOT is up 0.3%. The Water Sales are up 6.8%. The Waste Water Sales are up 7.2%. The Water/Wastewater G&A Expenses are up 9.8%. The Water/WW Other Operating Expenses are down 2.5%. The Net Bad Debts are just over 0.2%. The Days Cash Reserve is 142.94 days.

Mr. Miller stated our actual Operating Revenues are above budget but less than last year at \$84.3 million. Power Supply and Generation is \$51.1 million, which results in Available Operating Revenues of \$33.1 million. Other Operating Expenses of \$16.1 million results in Operating Results of \$16.9 million, which are above budget but less than last year. Mr.

D-R-A-F-T

Trego pointed out that the majority of the Power Supply differential is the Coal Ash settlement. We had to pay the arrears and we are taking it out of Rate Stabilization.

Regarding Electric Purchased Power, Mr. Miller stated the megawatt hour comparison is 2.7% above what it was in 2015. Our cost per megawatt hour is up from the previous year, but it is less than it was in 2015 by 5.4%.

Water Sales Volume – Our volumes are .4% less than last year and .6% less than it was in 2015 in the comparison period. Total Operating Revenues were \$32.1 million. Expenses were \$23.7 million and Operating Results were \$8.4 million. Mr. Miller stated it is greater than it was last year but quite a bit higher than we budgeted for this time. Staff responded to questions from Commissioners regarding the Operating Results for this time period.

For the Fleet Maintenance results, City Sales are \$1.97 million and PWC Sales are \$775,800; the ratio is 72% to 28%. Operating Expenses are \$3.03 million. The Operating Expenses include parts and labor which are the main drivers in this category. Operating Results are \$-276,500.

Capital and Debt Service is off to a slower start than last year. Mr. Miller stated the numbers are closer as the work begins and as we get closer to the end of the year.

For the Bad Debts, we are down just above .2%. The industry average is .5%. Mr. Miller stated the AMI meters allow us cut meters off quicker, which is reducing our bad debt write-off. Operating Reserve is 143 days. He stated he expects this number to decrease as we go further into the year.

Mr. Trego stated he has requested for the departments to focus on earmarking expenses for the correct month and not simply averaging them.

INFORMATION SYSTEMS DISASTER RECOVERY UPDATE

Presented by: Susan Fritzen, Chief Corporate Services Officer

Susan Fritzen, Chief Corporate Services Officer, stated we will discuss our status on Disaster Recovery, in particular IS Recovery. She stated when you consider business continuity there are two components to it for an organization. The first is the business side; what do you do with the people and the processes which are done every day? Ms. Fritzen stated we are working on that component already and have completed a business impact analysis. We are now analyzing the results.

She stated, today we will focus on Application Data Restoration. She stated the Butler Warner Generation site offers limited disaster recovery. We have data backup and corporate email there. But we know we need a bigger solution and have been focusing on it. We are investigating options for the Disaster Recovery solution as it relates to the IS requirements. She stated this means full replication of all our systems that we have in our data center.

Ms. Fritzen discussed the options below.

Options Analysis

Components	Option 1: Cloud-based Disaster Recovery	Option 2: BWG Plant	Option 3: Co-location in Raleigh Data Center	Option 4: City/County 911 Center
One Time Costs	None	\$ 420,000 IS Infrastructure & Equipment \$ 175,000 Upgrade Room, HVAC, UPS, etc	\$ 420,000 IS Infrastructure & Equip.	\$ 420,000 IS Infrastructure & Equipment \$ 1,365,877 PWC cost for 1584 sf equipment room (2016 prelim. estimate)
Recurring Costs	\$520,000 Annually for Service \$25,000 Annually for High Speed Link	\$ 10,000 Annual room maintenance cost	\$ 30,000 Annual cost for Co-lo lease \$ 25,000 Annual cost-High Speed Link	\$ 25,000 Annual cost for High Speed Link \$ 10,000 Annual facility maintenance cost
Increase in IS FTE	None	None	None	None
Infrastructure Aging	Vendor bears risk to keep current	PWC bears risk and responsibility – may need refresh every 2-3 years	PWC bears risk and responsibility – may need refresh every 2-3 years	PWC bears risk and responsibility – may need refresh every 2-3 years
Geographical Risk	Very Low – in locations across USA	High in terms of weather and storm path	Moderate – 90 miles away but in same region	Moderate/High – Unknown but local site
Security	Vendor manages physical and IS	PWC manages physical and IS	Vendor manages physical PWC manages IS	County/City manages physical PWC manages IS
Testing of DR Scenarios	More difficult to coordinate virtually. May be limited in number of tests and simulations	Easiest to test multiple scenarios annually	Relatively easy to test scenarios, but may require on-site presence to coordinate	Relatively easy to test scenarios, but may require on-site presence to coordinate
Long term stability	Reputable and stable vendor	Current contract with Duke ends Dec 2023. LT plans for the plant/operations uncertain	Should pick vendor with financial viability and experience in this area	Uncertainty as to the direction and timeline

Ms. Fritzen pointed out the following regarding the above options.

Option 1 - significant recurring costs for worst-case scenario.

Options 2 & 4 - uncertainty introduces too much risk to invest significant infrastructure.

Option 3 - offers most flexibility with reasonable annual costs and ability to migrate to a more permanent location. There is a one-time capital investment of \$420K required. This is an estimate only.

She also noted for **Option 4** there would be an expense of \$1.4 million which would give us 1,500 sq. ft. to locate our equipment. It would be a secured room and no one else would have access to our equipment. The long term stability for each option was also discussed.

Council Member Arp inquired about PWC's timeline. Ms. Fritzen stated we are behind where we need to be. Mr. Trego stated when he had the initial conversation with Kristoff Bauer concerning the 911 Center being a possibility, the Commissioners deferred at that time to see how the City's option would evolve.

Mr. Trego also stated there is one risk that is not on the chart, there is some increased risk in having the back-up center in the same general locale. If we experience a hurricane and if Duke Progress loses its system, we can potentially lose both buildings. Though the chances are "low" with emergency generation, there is still an increased risk. This is why some entities have, as a best practice, that you pick something close but in a different region.

Council Member Arp stated the 911 Center, joint effort is still alive. The potential for funding is still available. He stated they will press ahead in the attempt to build a 911 Joint Center. He also stated he believes the off-site approach is the better option. He stated if the backup-center is built in Raleigh, there is the possibility a hurricane that affects Fayetteville affects Raleigh also. He believes the remote offsite may be a better solution and may also be a cheaper solution. Discussion ensued.

In response to Commissioner Shaw's question, Ms. Fritzen summarized the options. She stated Option 3 offers the most flexibility with reasonable annual costs and also allows us to migrate to a permanent location. Discussion ensued on locations. Mr. Trego stated the RFQ would not be location specific.

Commissioner Rogers concurred Option 3 is the best option. He also inquired about Duke's power supply. If our power goes down, Duke goes down. Mr. Trego stated if we place the back-up center in a remote site and Duke services it, it will be on a different feed.

Mr. Trego stated based on the conversation he believes the direction from the Commission is to keep options open but to pursue Option 3, and the Commissioners agreed.

PRESENTATION OF OPTIONS FOR BUY ALL SELL ALL RATE RIDER FOR SOLAR CUSTOMERS

Presented by: Jon Rynne, Chief Operations Officer, Electrical

Commissioner Fowler stated this presentation is in response to the recent inquiry from Representation Szoka regarding net-metering.

Mr. Rynne stated he was asked by Mr. Trego to compile our buy-all sell-all riders and options for tailoring the program to solar installations. He stated a number of municipal utilities across North Carolina vary with their application of credits for solar production. The credits range from \$.03273/kWh to \$.0616/kWh. The basic customer charge for the sell all metered service varies from \$0 to \$15.00.

Mr. Rynne stated PWC's Buy All Sell All Rider is a bilateral metering scheme. It means you have one meter for generation (on the solar array) and one meter for all power requirements. All the renewable energy generated is metered and credit calculated from the rider schedule. He also stated all power that is consumed is metered and billed at the applicable rate. It is unlike net-metering which cancels each other out; bi-lateral metering separates the two so you can quantify them. Our rider credit is based on wholesale power supply costs. We have avoided energy costs; avoided coincident peak (CP) reduction from solar installations. For Buy All Sell All, we have estimated. The sum of energy and average CP reduction costs make up the rider credit. Currently our rider credit includes those components. Discussion ensued.

Mr. Rynne stated before AMI there was not a good way to really understand the footprint of the solar outputs without having the time element. With AMI we can look at what the array output is during the co-incident peak hour during the month.

Mr. Trego stated when we estimated it there were assumptions we had to make. In the months we assumed, we assumed there was 100% output of the solar panels which is not true. We overstated it in the months when it occurred, but perhaps understated it because some of our coincident peaks in the shoulder months do happen when there may be solar output. It was truly an estimate based on empirical data, but not on what was generated.

Mr. Rynne stated the Buy All Sell All rider is a very low risk to PWC. The calculation of the credit minimizes PWC's risk to lack of performance of the solar arrays during the coincident peak hours each month. The rider is \$.03734 per kWh.

He also stated we looked a different mechanism to come up with a value for the solar rider. He stated we looked at what Austin Energy and the Minnesota Department of Commerce adopted. It was developed by Clean Power Research. It is a value of solar rider; a bilateral metering scheme. The rider credit is based on a formulaic look at the value of solar.

The following are included:

- ▶ Power Supply cost forecasts
- ▶ Transmission cost forecasts
- ▶ Historic solar production & CP performance of current rooftop solar installations from AMI data. This is new because we did not have access to this in the past.
- ▶ Historic loss calculations from the EIA-861
- ▶ Estimates of Transmission & Distribution capital and growth estimates

D-R-A-F-T

- ▶ Estimated environmental cost avoidance based on historic RECS, SO_x/NO_x costs & EIA-861 data

Mr. Rynne stated the Value of Solar methodology is in place at Austin and Minnesota.

Value of Solar Components

Value of Solar Assessment Components	
Value Component	Basis
Energy Value	Avoided cost of purchased energy to meet electric loads as well as distribution losses, based on solar production profile.
Capacity Value	Avoided purchased capacity costs by meeting Coincident Peak (CP) load through renewable sources, as determined by historic load profile data.
Transmission & Distribution Capacity Value	Savings in T&D costs resulting from the reduction in Coincident Peak load by renewable sources.
Environmental Compliance Value	Avoided cost to comply with environmental regulations and local policy objectives.

Commissioner Shaw asked if there are a recommended historical number of months, quarters or years that Clean Power Research recommends you gather before you establish what your data is for historic. Mr. Rynne responded no. There is not a recommended time. He stated in each of the other cases they have different formulas based on what their particular utility uses in power supply and their distribution and transmission arrangements. He stated in Austin they started with the data they had. If they had 12 months of data, they based the value of solar calculation on twelve months and as the years progressed they updated each year. Mr. Rynne stated that is what we are planning to do here at PWC. If we go with an option like this we would establish a formulaic rate that would be updated every year with the data we had from the previous twelve months and the power supply cost forecast we have going forward. He stated unfortunately, like PWC, a lot of the utilities that have residential roof-top solar did not have a lot of data to go on until they had AMI data in

place. Mr. Trego stated most of the Value of Solar utilities acknowledge they are one year behind. You are basing the next year's rate on the previous year's data.

Mr. Rynne discussed the Value of Solar formulas. He noted for the environmental value REC Costs are only applicable when the customer allows PWC to utilize them for REPS compliance.

Proposed Value of Solar Rider

- Higher risk to PWC
 - ▶ Risk of difference of forecast Power Supply & Transmission Costs and actuals.
 - ▶ Risk of difference between historic performance of solar to reduce CP demand vs. actual performance
 - ▶ 52% of the VOS Rider dependent on CP Demand reduction from solar
 - ▶ Load Profile from AMI must be updated annually & utilized to forecast credit for next year
 - ▶ Small data set of historic AMI data, 12 customers for 2016
 - ▶ Risk could be lower through metering actual Coincident Peak reduction monthly
 - Increases billing complexity & requires monthly manual calculation
 - ▶ Estimated VOS Rider Credit w/RECS - \$0.06971/kWh
 - ▶ Estimated VOS Rider Credit w/o RECS - \$0.06471/kWh

Discussion ensued on the risks to PWC. Council Member Arp asked if a consumer who has a solar array can receive the value of the historical amount and in the next year we true-up with them. Mr. Trego responded there is a way to minimize the risk difference. He stated part of the reason that we have to go a year behind (and most of the risk is there) is because in December Duke gives to us based on their budget, their estimated power supply costs. We do not true-up with them until the following June. There is a lag in the period of time in our projected power supply costs and our actual power supply costs. He stated the majority of the \$.069 or \$.064 cost is tied to power supply. He stated it is a way to fix that. On our regular customers we have a Wholesale Power Cost Adjustment we can do. If the true-up at the end of the year results in a big credit we can give back to the customers. If it is a cost we have the ability to charge customers to make it up. Additional discussion ensued.

Mr. Rynne discussed the System Average Avoided Cost Rider.

- Bilateral Metering
- Rider Credit Based on Wholesale Power Supply Costs
 - System Avoided Cost : Average forecast total power supply and transmission for coming FY, based upon the historic Energy, CP Demand & Transmission Costs, divided by the estimated total energy (kWh's) to be purchased
 - This average per kWh would be Rider Credit
- Low risk to PWC
 - Average of Energy, CP Demand, and Transmission over total amount of energy purchased lowers PWC risk of the variability of solar to reduce CP demand effectively
 - True Up differential still a risk, but diluted over total kWh's

➤ Estimated System Average Avoided Cost Rider - \$0.0685/kWh

Discussion began on the Avoided Cost Method. Mr. Trego stated a lot of utilities use this method. It is simple, it is repeatable and Duke uses this method in pricing their solar. The credit per kilowatt hour is roughly the same, the methodology is pretty defensible. The Value of Solar is more leading edge in that it tries to come up with the true value of solar. Commissioner Fowler stated one reason we are looking this because some of the larger stores want to go roof-top solar; they want to go net-metering. Mr. Trego stated staff, from a philosophical prospective, knowing how the Commissioners are taking a look at this, will help us to apply the same methodology to our community solar. It does not have to be identical. It helps staff when we are putting together our offering to customers. Additional discussion ensued.

Mr. Trego stated what we would also do here when we come to the Commissioners with electric rates, we will make this a formula that the Commissioners will approve rather than a rate, similar to the Value of Solar. Every January when we get the Duke estimate we would just plug the numbers into the formula and be able to update it without having to have a public hearing. You would be approving the formula for this particular rate to make it easier to implement on an annual basis.

Mr. Rynne stated the formula for the System Average Avoided Rider, is as follows:

$$\frac{\Sigma(\text{CP Demand Cost} + \text{Energy Cost} + \text{Transmission Cost} - \text{Ancillary Credits})}{\Sigma(\text{Energy Consumption})}$$

Commissioner Fowler asked Mr. Trego if the System Average Avoided Cost Rider is his recommendation. Mr. Trego responded yes, from a simplistic perspective and not wanting to create a completely separate billing system, which is manual and takes a look a coincident peak. He stated if we signed more customers on later, where we would have a bigger data set with the Value of Solar, and where the risks are minimized, we may want to come back to the Commission in the future. Mr. Trego stated he believes now, with twelve customers, it addresses the initial issue that Representative Szoka had. At least we now have the initial information from the AMI meters to make a better determination.

Mr. Trego stated the Value of Solar tries to calculate what we think the ultimate value of those solar panels can provide to us. Since the cost of the Simple method and the Value of Solar method are relatively close, he doesn't see a huge subsidy risk across customers, which has been a concern of the Commissioners. There is basically a synergy there. He stated staff can plug in the numbers every year to ensure there is not a disjoint between the two methods.

Mr. Trego stated he recommends going with the Avoided Cost Method and when we come to the Commissioners with Electric Rates for approval; part of our public hearing will

involve a formula for revising the Buy All Sell All rate based on it, if the Commissioners are okay with that.

Council Member Arp asked, since there is so much interest in solar in NC, have we talked to the Department of Commerce or the FCEDC. We have big box stores that are interested in this type of technology, but also leveraging this and our capacity and in what we have in place from an economic development standpoint to encourage businesses to come here because we have system in place, and we just make it part of our package. Mr. Trego stated by updating the rate and increasing it from 3.7 cents to over 6 cents will help and provides an incentive. From an operational standpoint he feels pretty confident there is not a lot of subsidy across customer classes or within customer classes. We are not subsidizing it with the cost we need to operate the business. We are truly giving to them what the value of solar is for us in using the avoided cost methodology. Additional discussion ensued regarding the larger entities over 10 kilowatts.

Commissioner Shaw verified that the word ‘credits’ was not substituted for ‘subsidies’. Mr. Trego stated this is not a substitution. Credits are based on whatever is calculated. He stated that is why keeping the Value of Solar formula is so important. If are able to get rid of some of the risks, and as we grow that group and get more data points, we will know if there is a subsidy that is emerging. He stated he feels relatively confident that within that solar group we are not subsidizing it from customers that do not have solar. He went on to state the variations across the 12 customers that have solar.

GENERAL MANAGER REPORT

Chemours Plant

Mr. Trego stated he has had conversations with then County Chairman Adams and Amy Cannon, County Manager, to see if PWC can be a part of the solution.

He directed the Commissioners to a map that detailed where PWC’s lines end on Route 87. He identified the area where wells have been contaminated. He stated there are some wells in Bladen County that have been impacted.

Mr. Trego stated to get down Route 87 with a main line is roughly 27,700 feet of line. Though we have some distribution in the area it is not robust enough to get a line there. We need to get a main line to the area. Mr. Trego stated for a line that is 8 to 12 inches on a per foot basis, it will cost roughly \$2 million. This is just for the line and not for distribution lines. This is just a rough estimate.

Mr. Trego stated we have other proposed developments that have requested some water service in the Grays Creek area. These are the elementary schools that the County and school district has shown interest in possibly getting water to because there have been small amounts of GENX detected in their water.

Mr. Trego stated there was a study completed in 2009 that looked at what it would take to get water into different areas. He stated this area was one of the areas that were identified. He stated PWC has agreed with the County to have that part of the study that associates with this corridor updated. They have agreed to share the cost of the updated study.

Mr. Trego stated, though this is very preliminary, PWC is hoping to see we can be part of the solution as the County takes a look at the different options for water for their residents. He pointed to an area on the map in Cumberland County that is served by Bladen County Water. He stated at the time the residents needed water, it was too far away so Cumberland gave Bladen permission to serve those residents, but they do not have very robust lines coming across that area.

Mr. Glass stated the well that serves from Bladen County to Cumberland County has shown some contamination.

Commissioner Rogers asked how long it would take to get water down there. Mr. Trego stated one thing that would speed up the project is Design-Build. The County is taking a look at funding sources. Some of the answers will come when we know if there are restrictions on how we have to bid it. Mr. Trego stated designing a line 28,000 feet down a state road is not something that can happen quickly. Mr. Glass stated it would be two years at best. He also stated he met with the County and they have employed a local firm to begin the preliminary evaluation of extending water down there. They are waiting for their preliminary numbers to come back. Discussion ensued regarding Chemours, and rural systems.

Commissioner Huff asked if there is any possibility of PWC going after a Farmers Home loan. Mr. Trego stated the County is looking at that option. It is part of the options we need to investigate.

Commissioner Huff stated he received a call from a developer who is doing work in the area (Route 87). They are being required to go from a 6 inch line to an 8 inch line because of its approximation to the current line. He asked if this is something that PWC picks up the difference. Mr. Trego if it is done for our benefit, then we will enter into a participation agreement with the developer. If it is because of a fire-flow requirement, then the developer would bear the cost. Mr. Brown stated we received an official request for participation agreement from the developer today. Discussion ensued.

Mr. Trego stated the Commissioners have had as a goal of promoting the municipal power story of PWC. He stated Carolyn Justice-Hinson has done a wonderful job of scheduling him. He has spoken to three Kiwanis Clubs, the Rotary Club, the Hope Mills Chamber of Commerce and Mr. Rynne has also stepped in to speak to an additional Rotary Club. Mr. Trego stated he expects to receive more requests. The speaking engagements have been very well received.

Commissioner Huff stated he has received a letter from the president of the Summertime Homeowners Association. He states the water level in their lake is dropping when it is not

going over the overflow or through the gates. The letter states there is a PWC line under the lake and he (the president of the association) believes we may be draining the lake. Mr. Noland stated he has no knowledge of that but will check on it.

(Brief break)

PRESENTATION BY GDS ASSOCIATES

Presented by: Chris Dawson, GDS Associates

Mr. Trego stated PWC is engaged in exploring our long-term power supply options. Our current contract with Duke Energy ends in 2024, but we have a notice period. We need to begin to evaluate our different options. Mr. Trego stated GDS Associates are assisting us. *He reminded the Commissioners a portion of this presentation will be in closed session.*

GDS Associates presented to the Commission an informational presentation on the evaluation of power supply options and generation portfolios to serve PWC customers beyond the 2024 early termination period for PWC's existing Power Supply & Coordination Agreement with Duke Energy Progress.

Mr. Dawson stated there are many options available today that can be used to produce power, from modular nuclear units to advanced sophisticated coal plants that convert coal into gas. He also mentioned traditional gas fired resources (combined cycles and combustion turbines), to include renewable resources. He stated they began with a wide net, gathering a lot of data to pull into the study to have a good starting point.

He stated several things became clear. PWC would not need to pursue a very large project (500-1000 megawatts). He stated it also applies to large combustion turbines which are used to cover the peaking portion of our load. Mr. Dawson stated we have also excluded looking at wind and solar options. It is not to suggest we will not install or pursue renewal resources in the future.

Mr. Dawson discussed PWC's Load Duration Curve.

- Base load resource need is approximately 150 – 200 MW
- Intermediate resource need is approximately 100 – 175 MW
- Peaking resource need is approximately 150 – 225 MW (including planning reserves)

Mr. Trego stated, prior to our current contract, we had another power supply contract with Duke that in a different way used this same model. We would buy our base load from Duke only. We had a contract for our base load. On a daily basis we would go into the market for our intermediate resources based on the current market price. We would use Butler Warner for our peaking resources.

D-R-A-F-T

Mr. Dawson discussed generation technology, which included reciprocating engines; community solar; and retail customer generation. He also discussed conventional technology, which included combined-cycle; combustion turbines; and Butler-Warner repowering.

He discussed potential base load resource alternatives which include:

Supplier	Capacity	Contract Type	Description
1. NTE	475 MW	Hybrid PPA	Unit(s) contingent PPA with ability to provide full-requirements and some market access optionality
2. Southern Company	150 MW	Hybrid PPA	Unit contingent PPA with ability to provide partial-requirements
3. Combined-Cycle	300 – 400 MW	JOU / Sole Owner	Potential to develop as Jointly Owned Unit or as solely owned

He also discussed potential intermediate resource alternatives, which include:

Supplier	Capacity	Contract Type	Description
1. LM 6000	60 MW	Sole Owner	Unit contingent
2. LMS 100	96 MW	Sole Owner	Unit contingent
3. Southern Company	150 MW	Hybrid PPA	Unit contingent PPA with ability to provide partial-requirements
4. Butler-Warner Repower	210 MW	Sole Owner	Refurbished LM 6000 units and HRSGs. Assumes reuse of steam turbine generator and existing steam cycle equipment.

Mr. Dawson discussed potential peaking resource alternatives, which include:

Supplier	Capacity	Contract Type	Description
----------	----------	---------------	-------------

D-R-A-F-T

1. GE 7E CT	94 MW	Sole Owner	Unit contingent
2. Reciprocating Engines	8–18 MW	Sole Owner	Unit contingent
3. Southern Company	150 MW	Hybrid PPA	Unit contingent
4. Butler-Warner Repower	210 MW	Sole Owner	Refurbished LM 6000 units and HRSGs. Assumes reuse of steam turbine generator and existing steam cycle equipment.
5. Butler-Warner (Existing)	180 MW	Sole Owner	Unit contingent

Mr. Dawson discussed how they approached the evaluation of the Resource Portfolio Alternatives.

1. Combining appropriate resource type and need to meet PWC’s overall capacity and energy requirements
2. Selecting most economical, feasible base, intermediate, and peaking resources
3. Simplified assumptions for certain technical aspects, such as:
 - a) No issues with transmission & pipeline interconnection;
 - b) Transmission service availability and deliverability;
 - c) Firm natural gas service;
 - d) Resources always available (no maintenance outages);
 - e) Financing available for all ownership options.

Commissioner Rogers motioned to go into closed session pursuant to NC General Statutes 143-318.11 (1). Motion was seconded by Commissioner Huff and unanimously approved at 10:03 a.m.

After discussion, Commissioner Rogers motioned to return to open session at 10:42 a.m. Motion was seconded by Commissioner Shaw and unanimously approved.

Mr. Dawson recommended the following: begin discussions with select suppliers; look at possibility of extending the life of Butler-Warner (how it would operate); complete detailed analysis. Conclude Phase II by June 30, 2018, with a decision if we need to issue an RFP.

Commissioner Shaw motioned to accept and approve the Phase II Project for the GDS Agreement. Commissioner Rogers seconded the motion and it was unanimously approved.

Mr. Dawson gave a timeline for Phase II. He expects to come before the Commission again in June of 2018.

REPORTS AND INFORMATION

D-R-A-F-T

Commissioner acknowledges receipt of the following reports and information:

- A. Personnel Report for November 2017
- B. Position Vacancies
- C. Approved N.C. Department of Transportation Encroachment Agreement(s):
 - Encr. #18620 – 8” RJDI line and 16” steel casing @ US HWY 401 nr. Ramsey St.
- D. Actions by City Council during meeting of November 13, 2017, related to PWC:
 - Approved Bid Recommendation to Award Contract for North Fayetteville Water Systems Improvement Contract 2: Water Transmission Main Project
 - Approved Bid Recommendation to Award Contract for the Legion Hills Outfall and New Pinewood Drive Lift Station
 - Approved Bid Recommendation to Award Contract for Sewer Main Rehabilitation Work for Fiscal Year 2018
- E. Financial Statement Recaps as of October 31, 2017
 - Electric
 - Water/Wastewater
 - Fleet Maintenance Internal Service Fund

ADJOURNMENT

There being no further business, upon motion by Commissioner Rogers, seconded by Commissioner Shaw and unanimously approved, the meeting was adjourned at 10:45 a.m.

Open Commission Requests

As of 1/10/18

<u>Commission Meeting Date</u>	<u>Presentation/Discussion Item</u>	<u>Presenter (Staff)</u>
To be Determined	Discuss Employees' Compensation Policy outside the Max Payscale Requested by: Commissioner Rogers/Lallier – 7/27/16	D. Trego B. Russell
To be Determined	Presentation on Customer Segmentation Relative to Smart Grid. Requested by: Commissioner Rogers – 2/24/16	M. Brown
On Hold Pending City Action	Review of Fleet Management Services Agreement Updated: 1/20/17	S. Fritzen
To be Determined	Develop criteria for determining successful design-build projects, including evaluating the completed projects against expectations. Requested by: Commissioner Rogers 11-3-17 (via email)	??????
COMPLETED 12/13/17	Discuss strategy for PWC's approach to solar. Requested by: Commissioner Rogers - 10-25-17	D. Trego
COMPLETED 10/25/17	Update Commission on PWC's exposure, if any, regarding water mains going through lakes and dams. Requested by: Commissioner Shaw – 9/27/17	M. Noland/J. West
COMPLETED 7/26/17	Update Commission on details of lead in water pipes. Requested by: Commissioner Lallier - 1/27/16	M. Noland/C. Smith
COMPLETED 6/16/17 (VIA E-Mail)	Can Commission set a minimum price for an unsolicited offer to purchase the RC Williams Building to be brought to their attention? Requested by: Commissioner Shaw – 6/14/17	D. Trego

PREVIOUSLY CLOSED COMMISSION REQUESTS HAVE BEEN ARCHIVED

**PUBLIC WORKS COMMISSION
CASH FLOW STATEMENT FOR NOVEMBER 2017
GENERAL FUND BANK ACCOUNT**

BEGINNING BALANCE: 11/01/2017

\$ 38,752,800.37

UTILITY RECEIPTS

of TRANSACTIONS

CUSTOMER SVC BUSINESS CTR:	19,099	\$ 3,880,600.75
DEPOSITS FROM MAIL:	25,068	\$ 5,651,992.87
DRAFTS:	14,821	\$ 2,649,767.92
SPEEDPAY:	31,661	\$ 6,973,938.74
WESTERN UNION	5,592	\$ 774,900.31
E-BOX:	12,325	\$ 2,213,124.10
RECEIVABLES VIA ACH WIRES:	222	\$ 3,515,967.80
MISCELLANEOUS RECEIPTS:	92	\$ 2,167,529.64

TOTAL UTILITY AND MISCELLANEOUS RECEIPTS

\$ 27,827,822.13

INVESTMENTS MATURED:GF	\$ 6,000,000.00
INVESTMENTS MATURED:RATE STABLIZATION-ELEC	\$ -
INVESTMENTS MATURED:RATE STABLIZATION-W/WW	\$ -
INVESTMENT INTEREST RECEIPTS: GF	\$ 23,125.00
INVESTMENT INTEREST RECEIPTS-ERSF	\$ 31,500.00
INVESTMENT INTEREST RECEIPTS-WRSF	\$ -
INVESTMENTS: BOND PROCEEDS	\$ 727,141.95
INCOMING-BANK TO BANK TRANSFERS:	\$ -

GRAND TOTAL OF RECEIPTS:

\$ 34,609,589.08

VENDOR ACH PAYMENTS ISSUED:	266	\$ (14,462,745.02)
EMPLOYEE REIMBURSEMENTS:	85	\$ (8,865.86)
ACCOUNTS PAYABLE CHECKS ISSUED:	541	\$ (4,390,190.44)
INVESTMENT(S) PURCHASED: GF	3	\$ (8,941,503.33)
BANK TO BANK TRANSFERS:HOPE MILLS CLAIMS	1	\$ (76,563.25)
VENDOR SERVICES WIRED PAYMENTS:	21	\$ (3,866,137.59)
COMMERCIAL CREDIT CARD PAYMENTS:	102	\$ (238,883.77)
RETURNED CHECKS:	46	\$ (8,771.07)
RETURNED DRAFTS:	79	\$ (13,152.30)
RETURNED SPEEDPAY:	579	\$ (188,812.04)
RETURNED EBOX:	6	\$ (3,878.67)
PAYROLL	1,640	\$ (2,747,097.53)

(34,946,600.87)

TOTAL DISBURSEMENTS:

ENDING BALANCE: 11/30/2017

\$ 38,415,788.58

PUBLIC WORKS COMMISSION
CASH FLOW STATEMENT FOR NOVEMBER 2017
GENERAL FUND BANK ACCOUNT

Checks Over \$25,000.00 :

Wire Payments over \$25,000.00 :

AMERITEC INDUSTRIAL & COMMERCIAL	CHECK	\$	(42,120.00)	HOMETOWN SERVICE CLAIMS	Wire	\$	(127,646.63)
AMERITEC INDUSTRIAL & COMMERCIAL	CHECK	\$	(69,300.00)	HOMETOWN SERVICE CLAIMS	Wire	\$	(147,665.16)
ATLANTIC EMERGENCY SOLUTIONS	CHECK	\$	(32,233.33)	HOMETOWN SERVICE CLAIMS	Wire	\$	(125,338.29)
ATLANTIC EMERGENCY SOLUTIONS	CHECK	\$	(34,286.42)	HOMETOWN SERVICE CLAIMS	Wire	\$	(157,075.67)
BUSINESS INK, CO.	CHECK	\$	(53,192.85)	HOMETOWN SERVICE CLAIMS	Wire	\$	(132,033.20)
CAPE FEAR WATER SOLUTIONS, INC.	CHECK	\$	(37,517.99)	HOMETOWN SERVICE PREMIUMS	Wire	\$	(50,835.88)
CAPE FEAR WATER SOLUTIONS, INC.	CHECK	\$	(35,959.50)	INTERNAL REVENUE SERVICE	Wire	\$	(376,600.10)
CENTURION CARES, INC.	CHECK	\$	(27,451.00)	INTERNAL REVENUE SERVICE	Wire	\$	(377,955.58)
CITY OF FAYETTEVILLE	CHECK	\$	(33,727.17)	INTERNAL REVENUE SERVICE	Wire	\$	(537,539.89)
COASTAL POWER AND ELECTRIC CO.	CHECK	\$	(201,309.43)	LEGERS	Wire	\$	(538,030.10)
CUMMINS POWER GENERATION INC.	CHECK	\$	(53,912.87)	NC DEPT REVENUE PAYROLL TAX	Wire	\$	(62,035.00)
EMPLOYMENT SECURITY COMMISSION	CHECK	\$	(37,780.36)	NC DEPT REVENUE PAYROLL TAX	Wire	\$	(62,909.00)
EMTEC CONSULTING SERVICES, LLC.	CHECK	\$	(158,318.96)	NC DEPT REVENUE PAYROLL TAX	Wire	\$	(74,593.00)
ERMC	CHECK	\$	(88,451.37)	NC DEPT REVENUE SALES TAX	Wire	\$	(350,000.00)
HALL FORD ELIZABETH CITY	CHECK	\$	(75,365.00)	NC DEPT REVENUE SALES TAX	Wire	\$	(212,316.81)
HOG SLAT, INC.	CHECK	\$	(34,240.00)	NC DEPT REVENUE SALES TAX	Wire	\$	(350,000.00)
JAMES RIVER EQUIPMENT	CHECK	\$	(25,341.18)	PROCUREMENT CARD	Wire	\$	(41,826.51)
KLEEN LINE, LTD.	CHECK	\$	(33,480.00)	PROCUREMENT CARD	Wire	\$	(41,615.12)
LOOKS GREAT SERVICES OF MS, INC.	CHECK	\$	(37,556.80)	PROCUREMENT CARD	Wire	\$	(31,820.37)
LOOKS GREAT SERVICES OF MS. INC.	CHECK	\$	(27,374.70)	PROCUREMENT CARD	Wire	\$	(36,518.41)
MICHELS PIPE SERVICES	CHECK	\$	(283,613.81)	PRUDENTIAL	Wire	\$	(31,782.87)
MICHELS PIPE SERVICES	CHECK	\$	(270,627.50)				
NC DEPT OF TRANSPORTATION	CHECK	\$	(375,336.47)				
ODELL SMITH & SONS	CHECK	\$	(75,933.50)				
OLDE FAYETTEVILLE INSURANCE	CHECK	\$	(40,013.82)				
PAR5 DEVELOPMENT GROUP	CHECK	\$	(54,300.00)				
PIEDMONT FORD	CHECK	\$	(29,273.00)				
SANFORD CONTRACTORS, INC.	CHECK	\$	(166,041.34)				
SANFORD CONTRACTORS, INC.	CHECK	\$	(526,052.37)				
TENCARVA MACHINERY CO.	CHECK	\$	(66,473.75)				

TOTAL CHECKS:

\$ (3,026,584.49)

Total Wires:

\$ (3,866,137.59)

ANIXTER INTERNATIONAL INC.	ACH	\$	(206,433.35)	PENCCO, INC.	ACH	\$	(33,026.62)
ANIXTER INTERNATIONAL INC.	ACH	\$	(25,787.48)	POWER SERVICES INC.	ACH	\$	(35,683.27)
BILLY BILL GRADING	ACH	\$	(456,960.44)	PRISM CONTRACTORS, INC.	ACH	\$	(65,354.78)
BTS TIRE & WHEEL DISTRIBUTORS	ACH	\$	(27,414.52)	PROGRESS ENERGY	ACH	\$	(10,482,377.15)
CORE AND MAIN	ACH	\$	(117,209.11)	PROGRESS ENERGY	ACH	\$	(593,540.45)
COUNTY OF HARNETT	ACH	\$	(71,675.37)	SENSUS USA	ACH	\$	(112,350.00)
CUMMINS POWER GENERATION INC.	ACH	\$	(53,912.87)	STUART C. IRBY CO.	ACH	\$	(62,502.13)
GDS ASSOCIATES	ACH	\$	(44,022.59)	STUART C. IRBY CO.	ACH	\$	(33,940.96)
GILBERT HORNER PAVING	ACH	\$	(34,521.80)	SYNAGRO CENTRAL, LLC.	ACH	\$	(65,315.75)
GREGORY POOLE EQUIPMENT CO.	ACH	\$	(29,575.18)	SYNAGRO CENTRAL, LLC.	ACH	\$	(87,771.37)
INSITUFORM TECHNOLOGIES, INC.	ACH	\$	(157,113.09)	US DEPT ENERGY	ACH	\$	(26,897.88)
MCDONALD MATERIALS, INC.	ACH	\$	(40,222.48)	WESCO DISTRIBUTION, INC.	ACH	\$	(57,165.64)
MOORMAN, KIZER & REITZEL, INC.	ACH	\$	(54,635.52)				
MYTHICS, INC.	ACH	\$	(258,419.61)				
NC DEPT STATE TREASURY	ACH	\$	(53,618.63)				
OLTRIN SOLUTIONS, LLC.	ACH	\$	(28,867.24)				

Total ACH:

\$ (13,444,398.60)

**Public Works Commission
Bad Debt Report**

Reporting Period: NOVEMBER 2017

Dates Covered: August 01, 2017 thru August 31, 2017

Beginning Net YTD Bad Debt Writeoffs	\$284,420.78
Amount to Bad Debt this Period	\$182,095.83
Recovered this Period	(\$70,087.18)
Ending Net YTD Bad Debt Writeoffs	\$396,429.43
Total Accounts Written off this Period	583

ANALYSIS OF UNCOLLECTIBLE ACCOUNTS:


RESIDENTIAL ACCOUNTS:

386	Accounts \$250.00 OR LESS	\$45,770.09
149	Accounts \$250.01 thru \$500.00	\$52,458.73
38	Accounts OVER \$500.01	\$26,479.54
573	TOTAL RESIDENTIAL:	\$124,708.36

NON RESIDENTIAL ACCOUNTS:

10	Accounts \$500.00 OR LESS	\$836.65
0	Accounts OVER \$500.01	\$0.00
10	TOTAL NON RESIDENTIAL:	\$836.65

APPROVED TO BE PLACED IN THE UNCOLLECTIBLES:


J. DWIGHT MILLER, CFO

12/8/17
DATE

Public Works Commission
Bad Debt Report

Reporting Period: NOVEMBER 2017
Dates Covered: August 01, 2017 thru August 31, 2017

Addendum 1 OF 1

List of Residential Accounts Over \$500.01		\$ 26,479.54	
BALDWIN, TRONE	\$ 659.22	NILES, NYANDORO	\$ 565.82
BENEFIELD, VONETTA	\$ 608.85	NORTON, GLENDA K.	\$ 541.17
BLACKMON, CHASITY	\$ 646.74	PORTER JR. MICHAEL	\$ 502.52
BROWN, ANTIONETTE	\$ 646.28	PRINCE, CHARLES	\$ 772.73
BURGESS, KIMBERLY	\$ 666.09	RADMER, DAINIEL D.	\$ 624.86
CAMPBELL, YOLANDA C.	\$ 633.72	RICHARDS, ERIC	\$ 576.96
DAVIS, ALIETRA	\$ 705.55	ROBINSON, DEONTE	\$ 596.08
FRIARSON, BENJAMIN	\$ 775.82	SIMMONS, ANITA	\$ 580.88
GADSON, KATRINA	\$ 586.18	SIMPSON, NINA	\$ 557.46
GODWIN, HEATHER	\$ 601.15	SKENTERIS, PETE	\$ 640.54
HARRIS, FRANCINE J.	\$ 1,812.02	TUGGLE, BAMBI	\$ 638.89
HARRIS, ROY M.	\$ 538.49	WALDEN, WILLIE	\$ 594.90
HELMS, MARCY	\$ 571.58	WALKER, XEORICA	\$ 518.51
HENRY, BHOKE	\$ 1,088.23	WALTERS, STACYANN L.	\$ 566.79
HILLSMAN, CYNTHIA	\$ 945.09	WILLIAMS, KENDRICK	\$ 1,145.19
HOUSDEN, ROY M.	\$ 555.34	WILLIAMS, TIMOTHY	\$ 763.23
JOHNSON, AJA	\$ 615.14	YOUNG, PRENTISS	\$ 722.98
KEITH, TOBY	\$ 761.07		
MCNEILL, MIRANDA	\$ 716.19		
MORRISON, DANNY	\$ 731.49		
MATHIS, JEANETTE	\$ 705.79		

LIST OF NON RESIDENTIAL ACCOUNTS OVER \$500.01:

\$ -

FAYETTEVILLE PUBLIC WORKS COMMISSION

INVESTMENTS AND BANK BALANCES

MONTH ENDING NOVEMBER 30, 2017

INVESTMENTS-GENERAL FUND															
PURCHASE DATE	FUTURE CALL DATE	ACCT/CUSIP NUMBER	INVESTMENT	SAFEKEEPING BANK	PAR AMOUNT	AMOUNT INVESTED	ACCR.	INTEREST TO MATURITY	MATURITY AMOUNT	MATURITY DATE	% YIELD	% PORTF.	STEP-UP DATE	STEP-UP RATE	
10/10/01	N/A	47161799	NCCMT-GENERAL FUND	NCCMT	N/A	\$ 2,588,277.81	\$ 215.69	-	\$ 2,588,493.50	11/30/17	1.000%	1.509%	N/A	N/A	
05/31/12	N/A	62073937	NCCMT-TERM PORTFOLIO	NCCMT	N/A	\$ 6,179,366.16	\$ -	-	\$ 6,179,366.16	11/30/17	1.000%	3.603%	N/A	N/A	
08/01/12	N/A	62074265	NCCMT-GENERATION FUEL TERM PORTF.	NCCMT	N/A	\$ 631,463.07	\$ -	-	\$ 631,463.07	11/30/17	1.000%	0.368%	N/A	N/A	
09/07/17	N/A	24023GZ59	DCAT CP	BB&T/WF	\$ 1,993,473.33	\$ 1,993,473.33		\$ 6,526.67	\$ 2,000,000.00	12/05/17	1.324%	1.162%	N/A	N/A	
01/31/08	N/A	31331YHQ6	FEDERAL FARM CREDIT BANK	BB&T/WF	\$ 2,000,000.00	\$ 2,053,357.61		\$ 277,756.95	\$ 2,331,114.56	12/15/17	4.625%	1.197%	N/A	N/A	
07/28/17	N/A	06538BZU0	BTMUFI CP	BB&T/WF	\$ 1,988,865.00	\$ 1,988,865.00		\$ 11,135.00	\$ 2,000,000.00	12/28/17	1.317%	1.160%	N/A	N/A	
11/17/17	N/A	24023HAG0	DCAT LLC CP	BB&T/WF	\$ 1,995,466.66	\$ 1,995,466.66		\$ 4,533.34	\$ 2,000,000.00	01/16/18	1.363%	1.164%	N/A	N/A	
04/26/17	N/A	89233HAH7	TOYCC CP	BB&T/WF	\$ 5,942,366.67	\$ 5,942,366.67		\$ 57,633.33	\$ 6,000,000.00	01/17/18	1.313%	3.465%	N/A	N/A	
08/22/17	N/A	89233HAN4	TOYCC CP	BB&T/WF	\$ 2,983,807.50	\$ 2,983,807.50		\$ 16,192.50	\$ 3,000,000.00	01/22/18	1.277%	1.740%	N/A	N/A	
07/27/17	N/A	39136SAR4	GWL CP	BB&T/WF	\$ 3,524,323.01	\$ 3,524,323.01		\$ 23,676.99	\$ 3,548,000.00	01/25/18	1.329%	2.055%	N/A	N/A	
11/30/17	N/A	24023HAR6	DCAT CP	BB&T/WF	\$ 2,993,560.00	\$ 2,993,560.00		\$ 6,440.00	\$ 3,000,000.00	01/25/18	1.383%	1.746%	N/A	N/A	
07/06/17	N/A	46640QB67	JPMSCC CP	BB&T/WF	\$ 3,966,316.67	\$ 3,966,316.67		\$ 33,683.33	\$ 4,000,000.00	02/06/18	1.422%	2.313%	N/A	N/A	
06/01/17	N/A	63873KBM8	NATXNY CP	BB&T/WF	\$ 2,969,966.67	\$ 2,969,966.67		\$ 30,033.33	\$ 3,000,000.00	02/21/18	1.374%	1.732%	N/A	N/A	
06/06/17	N/A	63873KBM8	NATXNY CP	BB&T/WF	\$ 1,980,355.56	\$ 1,980,355.56		\$ 19,644.44	\$ 2,000,000.00	02/21/18	1.373%	1.155%	N/A	N/A	
07/06/17	N/A	00280PBM6	ABBYCT CP	BB&T/WF	\$ 2,974,125.00	\$ 2,974,125.00		\$ 25,875.00	\$ 3,000,000.00	02/21/18	1.362%	1.734%	N/A	N/A	
07/13/17	N/A	36164KBM2	GECTSY CP	BB&T/WF	\$ 1,984,018.33	\$ 1,984,018.33		\$ 15,981.67	\$ 2,000,000.00	02/21/18	1.300%	1.157%	N/A	N/A	
08/30/17	N/A	06538CBM2	BTMUFI CP	BB&T/WF	\$ 4,967,430.56	\$ 4,967,430.56		\$ 32,569.44	\$ 5,000,000.00	02/21/18	1.349%	2.896%	N/A	N/A	
07/28/17	N/A	46640QBP5	JPMSCC CP	BB&T/WF	\$ 1,983,433.33	\$ 1,983,433.33		\$ 16,566.67	\$ 2,000,000.00	02/23/18	1.432%	1.157%	N/A	N/A	
09/21/17	N/A	06538CCM1	BTMUFI CP	BB&T/WF	\$ 1,985,821.67	\$ 1,985,821.67		\$ 14,178.33	\$ 2,000,000.00	03/21/18	1.420%	1.158%	N/A	N/A	
08/07/17	N/A	2254EBDW8	CSFBNY CP (CREDIT SUISSE NY)	BB&T/WF	\$ 2,471,552.78	\$ 2,471,552.78		\$ 28,447.22	\$ 2,500,000.00	04/30/18	1.558%	1.441%	N/A	N/A	
09/21/17	N/A	2254EBFF3	CSFBNY CP (CREDIT SUISSE NY)	BB&T/WF	\$ 1,976,266.67	\$ 1,976,266.67		\$ 23,733.33	\$ 2,000,000.00	06/15/18	1.619%	1.152%	N/A	N/A	
11/16/16	ANY DAY W/NOTICE	3133EGUX1	FFCB	BB&T/WF	\$ 5,000,000.00	\$ 4,997,500.00		\$ 58,750.00	\$ 5,056,250.00	06/20/18	0.940%	2.914%	N/A	N/A	
10/05/17	N/A	36164KFT3	GECTSY CP	BB&T/WF	\$ 2,968,200.00	\$ 2,968,200.00		\$ 31,800.00	\$ 3,000,000.00	06/27/18	1.455%	1.731%	N/A	N/A	
10/10/17	N/A	4497W1G26	INGFDG CP	BB&T/WF	\$ 4,943,319.44	\$ 4,943,319.44		\$ 56,680.56	\$ 5,000,000.00	07/02/18	1.558%	2.882%	N/A	N/A	
07/15/15	N/A	CD#2367412703	FIRST NATIONAL BANK -(YADKIN BANK)	VANTAGE SOUTH	\$ 5,055,303.22	\$ 5,055,303.22		\$ 166,825.02	\$ 5,222,128.24	07/15/18	1.100%	2.948%	N/A	N/A	
11/07/17	N/A	89233HH3	TOYCC CP	BB&T/WF	\$ 3,952,476.67	\$ 3,952,476.67		\$ 47,523.33	\$ 4,000,000.00	08/13/18	1.609%	2.305%	N/A	N/A	
10/27/17	04/27/18	3134GBR79	FHLMC	MS/WF	\$ 2,000,000.00	\$ 2,000,000.00		\$ 35,000.00	\$ 2,035,000.00	10/27/18	1.750%	1.166%	N/A	N/A	
05/23/16	N/A	3133EGBD6	FFCB	BB&T/WF	\$ 6,000,000.00	\$ 5,985,740.00		\$ 133,200.00	\$ 6,118,940.00	02/19/19	1.110%	3.490%	N/A	N/A	
08/15/16	02/15/18	3130A8UH4	FHLB	BB&T/WF	\$ 1,400,000.00	\$ 1,400,000.00		\$ 56,437.50	\$ 1,456,437.50	08/15/19	1.375%	0.816%	02/15/18	1.500%	
09/07/17	N/A	101490599	FIRST NATIONAL BANK	1ST NAT'L	\$ 5,188,115.65	\$ 5,188,115.65		\$ 177,163.49	\$ 5,365,279.14	09/07/19	1.640%	3.025%	N/A	N/A	
01/27/17	01/27/18	3134GAM68	FHLMC	BB&T/WF	\$ 2,670,000.00	\$ 2,667,330.00		\$ 173,550.00	\$ 2,840,880.00	01/27/20	1.000%	1.555%	01/27/18	2.000%	
02/24/17	02/24/18	3134GAZ49	FHLMC	MS/WF	\$ 3,000,000.00	\$ 3,000,000.00		\$ 180,000.00	\$ 3,180,000.00	02/24/20	1.250%	1.749%	02/24/18	1.750%	
05/11/17	02/11/18	3134GBKM3	FHLMC	MS/WF	\$ 2,000,000.00	\$ 2,000,000.00		\$ 107,500.00	\$ 2,107,500.00	05/11/20	1.500%	1.166%	05/11/18	1.750%	
06/23/17	02/17/18	3134GBQY1	FHLMC	BB&T/WF	\$ 2,000,000.00	\$ 2,000,000.00		\$ 145,937.50	\$ 2,145,937.50	08/17/20	1.500%	1.166%	05/17/18	1.625%	
09/28/17	12/28/17	3134GBG97	FHLMC	BB&T/WF	\$ 3,000,000.00	\$ 2,994,000.00		\$ 157,500.00	\$ 3,151,500.00	09/28/20	1.375%	1.746%	09/28/18	1.500%	
09/30/16	12/30/17	3134GAHE7	FHLMC	MS/WF	\$ 3,000,000.00	\$ 3,000,000.00		\$ 180,000.00	\$ 3,180,000.00	09/30/20	1.250%	1.749%	09/30/18	1.500%	
06/29/17	12/29/17	3130ABLC8	FHLB**	MS/WF	\$ 2,000,000.00	\$ 2,000,000.00		\$ 142,500.00	\$ 2,142,500.00	12/29/20	1.250%	1.166%	12/29/17	1.500%	
06/30/16	12/30/17	3134G9WL7	FHLMC	MS/WF	\$ 3,000,000.00	\$ 3,000,000.00		\$ 270,000.00	\$ 3,270,000.00	06/30/21	1.500%	1.749%	06/30/18	2.000%	
08/10/16	02/10/18	3136G3G33	FNMA	BB&T/WF	\$ 3,050,000.00	\$ 3,046,950.00		\$ 282,125.00	\$ 3,329,075.00	08/10/21	1.250%	1.777%	08/10/18	2.000%	
08/10/16	02/10/18	3136G3G33	FNMA**	BB&T/WF	\$ 3,000,000.00	\$ 2,997,000.00		\$ 277,500.00	\$ 3,274,500.00	08/10/21	1.250%	1.748%	08/10/18	2.000%	
08/17/16	02/17/18	3134G9Y68	FHLMC	BB&T/WF	\$ 5,000,000.00	\$ 5,000,000.00		\$ 418,750.00	\$ 5,418,750.00	08/17/21	1.375%	2.915%	08/17/18	1.500%	
08/24/16	02/24/18	3134G92Q9	FHLMC	MS/WF	\$ 5,000,000.00	\$ 5,000,000.00		\$ 550,000.00	\$ 5,550,000.00	08/24/21	1.250%	2.915%	02/24/18	1.500%	
10/28/16	01/28/18	3134GASK1	FHLMC	BB&T/WF	\$ 5,000,000.00	\$ 5,000,000.00		\$ 525,000.00	\$ 5,525,000.00	10/28/21	1.500%	2.915%	10/28/18	2.000%	
07/26/17	01/26/18	3134GBYT3	FHLMC	MS/WF	\$ 3,000,000.00	\$ 3,000,000.00		\$ 397,500.00	\$ 3,397,500.00	07/27/22	1.500%	1.749%	01/26/18	1.750%	
07/27/17	01/27/18	3134GBZM7	FHLMC	MS/WF	\$ 5,000,000.00	\$ 5,000,000.00		\$ 775,000.00	\$ 5,775,000.00	07/27/22	1.500%	2.915%	07/27/18	2.000%	
09/27/17	12/27/17	3130ACF41	FHLMC*	MS/WF	\$ 5,000,000.00	\$ 5,000,000.00		\$ 581,250.00	\$ 5,581,250.00	09/27/22	1.625%	2.915%	09/27/18	2.000%	
10/26/17	01/26/18	3130ACKU7	FHLB	MS/WF	\$ 3,000,000.00	\$ 3,000,000.00		\$ 543,750.00	\$ 3,543,750.00	10/26/22	1.250%	1.749%	01/25/18	1.500%	
06/30/16	12/30/17	3136G3SV8	FNMA	MS/WF	\$ 2,000,000.00	\$ 2,000,000.00		\$ 280,000.00	\$ 2,280,000.00	06/30/23	1.500%	1.166%	06/30/18	1.750%	
07/27/16	01/27/18	3136G3YM1	FNMA	MS/WF	\$ 5,000,000.00	\$ 4,995,000.00		\$ 800,000.00	\$ 5,795,000.00	07/27/23	1.000%	2.913%	07/27/18	1.500%	
08/23/16	02/23/18	3134G93X3	FHLMC	MS/WF	\$ 4,000,000.00	\$ 4,000,000.00		\$ 690,000.00	\$ 4,690,000.00	08/23/23	1.500%	2.332%	08/23/18	1.750%	
09/28/16	12/28/17	3130A9CN9	FHLB	MS/WF	\$ 2,185,000.00	\$ 2,178,445.00		\$ 502,550.00	\$ 2,680,995.00	03/28/25	1.250%	1.270%	09/28/18	1.500%	
06/30/16	12/30/17	3130A8G56	FHLB	MS/WF	\$ 3,000,000.00	\$ 3,000,000.00		\$ 828,750.00	\$ 3,828,750.00	06/30/26	1.625%	1.749%	06/30/18	1.750%	
09/30/16	12/30/17	3134GAKM5	FHLMC	MS/WF	\$ 1,000,000.00	\$ 995,250.00		\$ 277,500.00	\$ 1,272,750.00	09/30/26	1.250%	0.580%	09/30/18	1.750%	
* Investment purch for Fuel Reserve Acct.															
** Investment purch for Meter Fund Acct.															
TOTALS - GENERAL FUND					\$ 162,093,564.39	\$ 171,498,244.04	\$ 215.69	\$ 10,494,649.94	\$ 181,993,109.67						
BANK - WELLS FARGO - General Fund															
BANK - WELLS FARGO - Meter Deposit Fund															
TOTAL CASH & INVESTMENTS															

CASH & INVESTMENT ALLOCATION

GENERAL FUND	\$	21,161,722.36
OPERATING RESERVE-120 DAYS	\$	104,526,733.33
INSURANCE DEDUCTIBLE RESERVE	\$	3,500,000.00
HEALTH INSURANCE RESERVE	\$	3,000,000.00
BWGP START COST RESERVE	\$	902,007.00
GENERATION FUEL RESERVE	\$	5,601,724.64
INTEREST/CASH PORTION-FUEL RESERVE	\$	75,440.18
OPEB RESERVE	\$	5,024,062.46
NC RENEWABLE ENERGY RIDER	\$	7,324,860.44
COAL ASH RESERVE	\$	27,346,500.00
CAPITAL RESERVES	\$	5,920,121.26
GENERAL FUND DEBT SERVICE SUB	\$	20,549,881.00
METER DEPOSIT INVESTMENT	\$	5,000,000.00
METER DEPOSIT BANK ACCOUNT	\$	9,398,226.38
PETTY CASH	\$	4,550.00
AMORTIZED PREMIUM/DISC ON INVEST	\$	(23,570.05)
TOTAL	\$	<u>219,312,259.00</u>

December 1-31, 2017

Personnel Report

<i>DIVISION</i>	<i>AUTHORIZED POSITIONS</i>	<i>ACTUAL EMPLOYEES</i>	<i>Part -time Employees</i>	<i>CONTRACT POSITIONS</i>	<i>VACANT POSITIONS</i>	<i>Staff by Temp Agency</i>
MANAGEMENT						
Executive	5	5				
Customer Programs Admin	1	1				
Human Resources Admin	1	1				
Communications/Comm Rel	1	1				
Corporate Services	1	1				
Financial Administration	1	0			1	
Water Administration	1	1				
Electric Administration	1	1				
Total	12	11	0	0	1	0
COMM/COMM REL						
Communications/Comm Relations	4	3			1	
Total	4	3	0	0	1	0
HUMAN RESOURCES						
Human Resources	6	6				
Medical	1	0		1		
OD/Safety & Training	2	2				
Total	9	8	0	1		0
CUSTOMER PROGRAMS						
Programs Call Center	12	9			3	
Development & Marketing	6	6				
Water Meter Shop	2	2				
Electric Meter Shop	3	3				
Utility Field Services	21	19			2	
Total	44	39	0	0	5	0
CORPORATE SERVICES						
Project Management	15	15				
Warehouse	13	11			2	
Fleet Maintenance	42	38			4	3
Facilities Maintenance	7	6			1	
Information Systems	2	2				3
Telecommunications	9	8			1	
Database Support	2	2				
IS Security	2	2				
Applications Support	9	6			3	
End User Computing	7	6			1	
Total	108	96	0	0	12	6

December 1-31, 2017

Page 2

<i>DIVISION</i>	<i>AUTHORIZED POSITIONS</i>	<i>ACTUAL EMPLOYEES</i>	<i>Part -time Employees</i>	<i>CONTRACT POSITIONS</i>	<i>VACANT POSITIONS</i>	<i>Staff by Temp Agency</i>
FINANCIAL						<i>or Part-time</i>
Accounting	11	11				1
Payroll	1	1				
Accounts Receivable	10	8			2	
Customer Accts Call Center	44	*43			*3	2
Customer Service Center	12	12				
Risk Management	2	2				1
Environmental Compl	1	1				
Claims	1	1				
Property & ROW Mgmt	6	6				
Collections	0	0				
Internal Auditing	1	1				
Financial Planning	9	7			2	2
Budget	2	2				
Rates & Planning	2	1			1	
Purchasing	7	5			2	1
Total	109	101	0	0	8	7
WATER RESOURCES						
W/R Engineering	35	34			1	1
W/R Construction	101	97			4	
P.O. Hoffer Plant	9	9				1
Glenville Lake Plant	6	6				
W/WW Facilities Maint.	23	21			2	2
Cross Creek Plant	10	10				
Rockfish Plant	7	7				
Residuals Management	2	2				1
Environmental Services	1	1				
Laboratory	6	6				
W/R Environ. Sys. Prot.	4	4				
Watersheds	1	1				
Total	205	198	0	0	7	5
<i>DIVISION</i>	<i>AUTHORIZED POSITIONS</i>	<i>ACTUAL EMPLOYEES</i>	<i>Part -time Employees</i>	<i>CONTRACT POSITIONS</i>	<i>VACANT POSITIONS</i>	<i>Staff by Temp Agency</i>
ELECTRIC						
Electrical Engineering	23	22			1	5
Fiber	2	2				
Electric Construction	77	73			4	
Substation	14	13			1	
Apparatus Repair Shop	5	5				
CT Metering Crews	4	4				
Compliance	3	3				
Power Supply SEPA	0	0				
Power Supply Progress Energy	0	0				
Generation	26	25			1	
Total	154	147		0	7	5
TOTAL	645	603	0	1	41	23

*2 temporary overstaff in Customer Service

DARSWEIL L. ROGERS, COMMISSIONER
WADE R. FOWLER, JR., COMMISSIONER
EVELYN O. SHAW, COMMISSIONER
D. RALPH HUFF, III, COMMISSIONER
DAVID W. TREGO, CEO/GENERAL MANAGER



FAYETTEVILLE PUBLIC WORKS COMMISSION
955 OLD WILMINGTON RD
P.O. BOX 1089
FAYETTEVILLE, NORTH CAROLINA 28302-1089
TELEPHONE (910) 483-1401
WWW.FAYPWC.COM

December 8, 2017

MEMO TO: ALL PWC EMPLOYEES

FROM: Corrie Attaway
Corrie.Attaway@FAYPWC.COM

SUBJECT: Job Vacancy

POSITION: W/R UTILITY WORKER
(Functional Employment Testing Required)

DEPARTMENT: 0620 W/R CONSTRUCTION & MAINTENANCE

HOURS: MONDAY-FRIDAY, 7:30 AM -4:00 PM
(Extended Hours and On-Call/Call-Back Required)

GRADE LEVEL: 402 \$13.94- \$17.43 / HR

QUALIFICATIONS & DUTIES: Any "regular" employee may apply to the Human Resources Department. Please submit a completed Job Vacancy Request Form to Corrie Attaway by 5pm, December 20, 2017.

SUPERVISORS, PLEASE POST ON BULLETIN BOARD

BUILDING COMMUNITY CONNECTIONS SINCE 1905

AN EQUAL EMPLOYMENT OPPORTUNITY EMPLOYER

DARSWEIL L. ROGERS, COMMISSIONER
WADE R. FOWLER, JR., COMMISSIONER
EVELYN O. SHAW, COMMISSIONER
D. RALPH HUFF, III, COMMISSIONER
DAVID W. TREGO, CEO/GENERAL MANAGER



FAYETTEVILLE PUBLIC WORKS COMMISSION
955 OLD WILMINGTON RD
P.O. BOX 1089
FAYETTEVILLE, NORTH CAROLINA 28302-1089
TELEPHONE (910) 483-1401
WWW.FAYPWC.COM

December 8, 2017

MEMO TO: ALL PWC EMPLOYEES

FROM: Corrie Attaway
Corrie.Attaway@FAYPWC.COM

SUBJECT: Job Vacancy

POSITION: W/R EQUIPMENT OPERATOR
(Functional Employment Testing Required)

DEPARTMENT: 0620 W/R CONSTRUCTION & MAINTENANCE

HOURS: MONDAY-FRIDAY, 7:30 AM -4:00 PM
(Extended Hours and On-Call/Call-Back Required)

GRADE LEVEL: 404 \$17.02- \$21.28/HR

QUALIFICATIONS & DUTIES: Any "regular" employee may apply to the Human Resources Department. Please submit a completed Job Vacancy Request Form to Corrie Attaway by 5pm, December 20, 2017.

SUPERVISORS, PLEASE POST ON BULLETIN BOARD

BUILDING COMMUNITY CONNECTIONS SINCE 1905

AN EQUAL EMPLOYMENT OPPORTUNITY EMPLOYER

DARSWEIL L. ROGERS, COMMISSIONER
WADE R. FOWLER, JR., COMMISSIONER
EVELYN O. SHAW, COMMISSIONER
D. RALPH HUFF, III, COMMISSIONER
DAVID W. TREGO, CEO/GENERAL MANAGER



FAYETTEVILLE PUBLIC WORKS COMMISSION
955 OLD WILMINGTON RD
P.O. BOX 1089
FAYETTEVILLE, NORTH CAROLINA 28302-1089
TELEPHONE (910) 483-1401
WWW.FAYPWC.COM

December 8, 2017

MEMO TO: ALL PWC EMPLOYEES

FROM: Corrie Attaway
Corrie.Attaway@FAYPWC.COM

SUBJECT: Job Vacancy

POSITION: W/R DISTRIBUTION SYSTEMS TECHNICIAN
(Functional Employment Testing Required)

DEPARTMENT: 0620 W/R CONSTRUCTION & MAINTENANCE

HOURS: MONDAY-FRIDAY, 7:30 AM -4:00 PM
(Extended Hours and On-Call/Call-Back Required)

GRADE LEVEL: 405 \$19.01- \$23.76 / HR

QUALIFICATIONS & DUTIES: Any "regular" employee may apply to the Human Resources Department. Please submit a completed Job Vacancy Request Form to Corrie Attaway by 5pm, December 20, 2017.

SUPERVISORS, PLEASE POST ON BULLETIN BOARD

BUILDING COMMUNITY CONNECTIONS SINCE 1905

AN EQUAL EMPLOYMENT OPPORTUNITY EMPLOYER

DARSWEIL L. ROGERS, COMMISSIONER
WADE R. FOWLER, JR., COMMISSIONER
EVELYN O. SHAW, COMMISSIONER
D. RALPH HUFF, III, COMMISSIONER
DAVID W. TREGO, CEO/GENERAL MANAGER



FAYETTEVILLE PUBLIC WORKS COMMISSION
955 OLD WILMINGTON RD
P.O. BOX 1089
FAYETTEVILLE, NORTH CAROLINA 28302-1089
TELEPHONE (910) 483-1401
WWW.FAYPWC.COM

December 11, 2017

MEMO TO: ALL PWC EMPLOYEES

FROM: Corrie Attaway
Corrie.attaway@faypwc.com

SUBJECT: Job Vacancy

POSITION: W/R FACILITY IE&C TECHNICIAN
(Functional Employment Testing Required)

DEPARTMENT: 0632- W/R FACILITIES MAINTENANCE

HOURS: MONDAY-FRIDAY, 7:00 AM– 3:30 PM

GRADE LEVEL: 405 \$19.01- \$23.76 / Hourly

QUALIFICATIONS & DUTIES: Any "regular" employee may apply to the Human Resources Department. Please log into EBS, IRecruitment, Employee Candidate to no later than by 5pm, December 22, 2017.

SUPERVISORS, PLEASE POST ON BULLETIN BOARD



DARSWEIL L. ROGERS, COMMISSIONER
WADE R. FOWLER, JR., COMMISSIONER
EVELYN O. SHAW, COMMISSIONER
D. RALPH HUFF, COMMISSIONER
DAVID W. TREGO, CEO/GENERAL MANAGER

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE

ELECTRIC & WATER UTILITIES

FAYETTEVILLE PUBLIC WORKS COMMISSION
955 OLD WILMINGTON RD
P.O. BOX 1089
FAYETTEVILLE, NORTH CAROLINA 28302 1089
TELEPHONE (910) 483-1401
WWW.FAYPWC.COM

December 12, 2017

MEMO TO: ALL PWC EMPLOYEES

FROM: Rhonda Fokes
Rhonda.fokes@faypwc.com

SUBJECT: Job Vacancy

POSITION: Senior Auto Technician

DEPARTMENT: 0375 – Fleet Maintenance

HOURS: MONDAY – FRIDAY, 5:30AM – 2:30PM
Extended hours, as necessary

GRADE LEVEL: 406 \$21.14 -\$26.43 /HOURLY

QUALIFICATIONS & DUTIES: Any "regular" employee may apply to the Human Resources Department. Please log into EBS, I-Recruitment, Employee Candidate to apply for this position by 5pm, December 27th 2017.

SUPERVISORS, PLEASE POST ON BULLETIN BOARD

BUILDING COMMUNITY CONNECTIONS SINCE 1905

AN EQUAL EMPLOYMENT OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER

DARSWEIL L. ROGERS, COMMISSIONER
WADE R. FOWLER, JR., COMMISSIONER
EVELYN O. SHAW, COMMISSIONER
D. RALPH HUFF, III, COMMISSIONER
DAVID W. TREGO, CEO/GENERAL MANAGER



FAYETTEVILLE PUBLIC WORKS COMMISSION
955 OLD WILMINGTON RD
P.O. BOX 1089
FAYETTEVILLE, NORTH CAROLINA 28302-1089
TELEPHONE (910) 483-1401
WWW.FAYPWC.COM

December 12, 2017

MEMO TO: ALL PWC EMPLOYEES

FROM: Kim Long
Kim.Long@FAYPWC.COM

SUBJECT: Job Vacancy

POSITION: UTILITY FIELD SERVICES COORDINATOR

DEPARTMENT: 0322- Utility Field Services

HOURS: MONDAY-FRIDAY 8:00:00AM-5:00PM
Overtime and on- call as required

GRADE LEVEL: 406- \$21.14-\$26.43/HOUR

QUALIFICATIONS & DUTIES: Any "regular" employee may apply to the Human Resources Department. Please log into EBS, I-Recruitment, Employee Candidate to apply for this position by 5pm, **December 28, 2017.**

SUPERVISORS, PLEASE POST ON BULLETIN BOARD

BUILDING COMMUNITY CONNECTIONS SINCE 1905

AN EQUAL EMPLOYMENT OPPORTUNITY EMPLOYER

DARSWEIL L. ROGERS, COMMISSIONER
WADE R. FOWLER, JR., COMMISSIONER
EVELYN O. SHAW, COMMISSIONER
D. RALPH HUFF, III, COMMISSIONER
DAVID W. TREGO, CEO/GENERAL MANAGER



FAYETTEVILLE PUBLIC WORKS COMMISSION
955 OLD WILMINGTON RD
P.O. BOX 1089
FAYETTEVILLE, NORTH CAROLINA 28302-1089
TELEPHONE (910) 483-1401
WWW.FAYPWC.COM

December 12, 2017

MEMO TO: ALL PWC EMPLOYEES

FROM: Kim Long
Kim.Long@FAYPWC.COM

SUBJECT: **Job Vacancy**

POSITION: **CUSTOMER PROGRAMS SPECIALIST**

DEPARTMENT: **0311- Customer Programs Call Center**

HOURS: **MONDAY-FRIDAY 8:30AM-5:30PM**
Overtime and on- call as required

GRADE LEVEL: **404- \$17.02-\$21.28/HOUR**

QUALIFICATIONS & DUTIES: Any "regular" employee may apply to the Human Resources Department. Please log into EBS, I-Recruitment, Employee Candidate to apply for this position by 5pm, **December 28, 2017.**

SUPERVISORS, PLEASE POST ON BULLETIN BOARD

BUILDING COMMUNITY CONNECTIONS SINCE 1905

AN EQUAL EMPLOYMENT OPPORTUNITY EMPLOYER

DARSWEIL L. ROGERS, COMMISSIONER
WADE R. FOWLER, JR., COMMISSIONER
EVELYN O. SHAW, COMMISSIONER
D. RALPH HUFF, III, COMMISSIONER
DAVID W. TREGO, CEO/GENERAL MANAGER



FAYETTEVILLE PUBLIC WORKS COMMISSION
955 OLD WILMINGTON RD
P.O. BOX 1089
FAYETTEVILLE, NORTH CAROLINA 28302-1089
TELEPHONE (910) 483-1401
WWW.FAYPWC.COM

December 12, 2017

MEMO TO: ALL PWC EMPLOYEES

FROM: Kim Long
Kim.Long@FAYPWC.COM

SUBJECT: **Job Vacancy**

POSITION: **CUSTOMER PROGRAMS SPECIALIST**

DEPARTMENT: **0311- RNI/MDM Operations**

HOURS: **MONDAY-FRIDAY 8:30:00AM-5:30PM**
Overtime and on- call as required

GRADE LEVEL: **404- \$17.02-\$21.28/HOUR**

QUALIFICATIONS & DUTIES: Any "regular" employee may apply to the Human Resources Department. Please log into EBS, I-Recruitment, Employee Candidate to apply for this position by 5pm, **December 28, 2017.**

SUPERVISORS, PLEASE POST ON BULLETIN BOARD

BUILDING COMMUNITY CONNECTIONS SINCE 1905

AN EQUAL EMPLOYMENT OPPORTUNITY EMPLOYER

DARSWEIL L. ROGERS, COMMISSIONER
WADE R. FOWLER, JR., COMMISSIONER
EVELYN O. SHAW, COMMISSIONER
D. RALPH HUFF, III, COMMISSIONER
DAVID W. TREGO, CEO/GENERAL MANAGER



FAYETTEVILLE PUBLIC WORKS COMMISSION
955 OLD WILMINGTON RD
P.O. BOX 1089
FAYETTEVILLE, NORTH CAROLINA 28302-1089
TELEPHONE (910) 483-1401
WWW.FAYPWC.COM

December 12, 2017

MEMO TO: ALL PWC EMPLOYEES

FROM: Kim Long
Kim.Long@FAYPWC.COM

SUBJECT: **Job Vacancy**

POSITION: **SERVICE DELIVERY MANAGER**

DEPARTMENT: **0311- Customer Programs Call Center**

HOURS: **MONDAY-FRIDAY 8:00AM-5:00PM**
Extended hours as required

GRADE LEVEL: **415- \$83,657-\$104,571/EXEMPT**

QUALIFICATIONS & DUTIES: Any "regular" employee may apply to the Human Resources Department. Please log into EBS, I-Recruitment, Employee Candidate to apply for this position by 5pm, **December 28, 2017.**

SUPERVISORS, PLEASE POST ON BULLETIN BOARD

BUILDING COMMUNITY CONNECTIONS SINCE 1905

AN EQUAL EMPLOYMENT OPPORTUNITY EMPLOYER

DARSWEIL L. ROGERS, COMMISSIONER
WADE R. FOWLER, JR., COMMISSIONER
EVELYN O. SHAW, COMMISSIONER
D. RALPH HUFF, III, COMMISSIONER
DAVID W. TREGO, CEO/GENERAL MANAGER



FAYETTEVILLE PUBLIC WORKS COMMISSION
955 OLD WILMINGTON RD
P.O. BOX 1089
FAYETTEVILLE, NORTH CAROLINA 28302-1089
TELEPHONE (910) 483-1401
WWW.FAYPWC.COM

December 19, 2017

MEMO TO: ALL PWC EMPLOYEES

FROM: Corrie Attaway
Corrie.attaway@faypwc.com

SUBJECT: Job Vacancy

POSITION: W/R CONTROL SYSTEMS ANALYST

DEPARTMENT: 0632- W/R FACILITIES MAINTENANCE

HOURS: MONDAY-FRIDAY, 7:00 AM– 3:30 PM
(Extended hours/on-call required)

GRADE LEVEL: 407 \$23.84 – \$29.80 / Hourly

QUALIFICATIONS & DUTIES: Any "regular" employee may apply to the Human Resources Department. Please log into EBS, IRecruitment, Employee Candidate to no later than by 5pm, January 5, 2018.

SUPERVISORS, PLEASE POST ON BULLETIN BOARD



DARSWEIL L. ROGERS, COMMISSIONER
WADE R. FOWLER, JR., COMMISSIONER
EVELYN O. SHAW, COMMISSIONER
D. RALPH HUFF, COMMISSIONER
DAVID W. TREGO, CEO/GENERAL MANAGER

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE

ELECTRIC & WATER UTILITIES

FAYETTEVILLE PUBLIC WORKS COMMISSION
955 OLD WILMINGTON RD
P.O. BOX 1089
FAYETTEVILLE, NORTH CAROLINA 28302 1089
TELEPHONE (910) 483-1401
WWW.FAYPWC.COM

December 28, 2017

MEMO TO: ALL PWC EMPLOYEES

FROM: Rhonda Fokes
Rhonda.fokes@faypwc.com

SUBJECT: Job Vacancy

POSITION: Fleet Manager

DEPARTMENT: 0375 – Fleet Maintenance Internal Services

HOURS: MONDAY – FRIDAY, 8:00AM – 5:00PM
Extended hours, as necessary

GRADE LEVEL: 416 \$94,626.50-\$118,283.13 /Annually

QUALIFICATIONS & DUTIES: Any "regular" employee may apply to the Human Resources Department. Please log into EBS, I-Recruitment, Employee Candidate to apply for this position by 5pm, January 12th, 2018.

SUPERVISORS, PLEASE POST ON BULLETIN BOARD

BUILDING COMMUNITY CONNECTIONS SINCE 1905

AN EQUAL EMPLOYMENT OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER