

CLAYTON COUNTY WATER AUTHORITY

1600 Battle Creek Road
Morrow, Georgia 30260

Regular Board Meeting, January 8, 2004

Vice Chairman, Lloyd Joiner, called the meeting to order at 1:30 p.m.

Present at the meeting were: Chairman, Pete McQueen, Vice Chairman, Lloyd Joiner, Secretary/Treasurer, Marie Barber, Board Members, Wes Greene, J. Alan Horton, Robbie Moore, and John L. Westervelt, General Manager, M. Wade Brannan, Deputy Manager, Terry R. Hicks, Department Managers, Frank Conort, Dennis Hammock, Guy Pihera, Mike Thomas, Jim Poff, Herbert Etheridge, and Teresa Adams, Customer Accounts Director, Morris Kelly, Finance Director, Emory McHugh, Project Manager, Mike Buffington, Contract & Procurement Administrator, Karen Riser, Information Services Supervisor, Rodney Crowell, Administrative Secretary, Dianne Hammock, Human Resource Director, Ed Durham, Executive Secretary, Janet Matthews. Also present were: Steve Fincher, Fincher & Hecht, L.L.C., Rick Hirsekorn, of CH2M Hill, Chris Wood of Jim Wood & Associates Public Relations, and Darrell Thomas of Williams-Russell & Johnson, Incorporated, Dexter Matthews of the NAACP, Gary Harrington, Steve Jay, and Jorge Mazariegos of Brasfield & Gorrie, Steve McClendon, of Republic Services, and CCWA employees: Jenny Collier, Lenny Clupper, Henry Miller, Keith Lowry, Robin Liles, Johnny Meek, Phillip Tittle, Michael Crabtree, Michelle Mirzaiee, and Kimberly Zimmerman.

Vice Chairman Joiner explained to those in attendance that Chairman McQueen is to have knee surgery in the near future and had a pre-op appointment this morning. Chairman McQueen asked that Vice Chairman Joiner stand in for him in the event that he did not get here on time to start the meeting.

Vice Chairman Joiner, on behalf of the Board of Directors, welcomed everyone to the meeting, especially our visitors.

Vice Chairman Joiner called on Jenny Collier, Imaging Specialist, to give the invocation.

Vice Chairman Joiner called for any omissions or additions to the Regular and Executive Session Board Minutes of December 4, 2003. Hearing none they were approved as mailed.

Financial and Statistical Report: Vice Chairman Joiner called on Emory McHugh, Finance Director, who presented the monthly financial and statistical report. This report was received for information with some discussion from the Board.

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Board member, Robbie Moore, stated that he had a question for Frank. Mr. Moore asked Mr. Conort if he was going to miss everyone.

Mr. Conort answered "Absolutely."

Employee Recognition: Vice Chairman Joiner called on Mike Thomas, Manager of Program Management & Engineering, who introduced Kim Zimmerman. Mr. Thomas stated the Ms. Zimmerman started with the Authority about three years ago and at the time was pursuing a Masters Degree at Georgia Tech in Civil Engineering. Because of Ms. Zimmerman's classes, she worked thirty hours a week. Mr. Thomas added that in those thirty hours Ms. Zimmerman produced the equivalent of what a forty-hour a week person produced.

Mr. Thomas stated that Ms. Zimmerman was hired to implement our Watershed Management Program and has done so well that the Authority has received several awards and recognitions. Mr. Thomas added that the Authority was recognized as a "Water First Community" by the governor, due to programs that Kim has put in place, and EPA recognized the Authority as a "Clean Water Partner", and Kim has obtained several federal grants for the Authority that will supply sixty per cent (60%) state and federal money for the stream restoration project that the Authority is doing. Mr. Thomas stated that Ms. Zimmerman was doing all these projects while she was only working thirty hours a week.

Mr. Thomas added that he was proud to say that in December Ms. Zimmerman completed her Masters Degree and graduated from Georgia Tech, with a Masters in Civil Engineering. Mr. Thomas also stated that during this same time, Kim took the test and received her Professional Engineering License. Mr. Thomas stated that he is very proud of what Kim has done and glad to have her here at the Authority. Mr. Thomas added that he would do his best to keep her here so that she can work on great things in the future. Mr. Thomas congratulated Kim and she received a round of applause.

Board member, Robbie Moore, commented that Rick Hirsekorn of CH2M Hill and Brasfield & Gorrie better not even think of hiring Kim. There were chuckles from the Board.

Vice Chairman Joiner called on Guy Pihera, Manager of Water Production, to recognize the employees that have received certification. Mr. Pihera introduced Keith Lowry who has received his Class II Certification. Mr. Pihera stated that before Mr. Lowry went to the Hooper Plant, where he is a midnight shift operator,

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Mr. Lowry worked on his own time to obtain his Class III license. Mr. Pihera congratulated Mr. Lowry on his accomplishments, his dedication, and passing his Class II certification. Mr. Lowry received a round of applause.

Mr. Pihera next introduced Henry Miller who came to the Freeman Road Plant from Land Application about three or four months ago. Mr. Pihera explained that prior to this time, Mr. Miller spent three months volunteering his time working on his Class III license. Mr. Pihera added that when Mr. Miller was hired at the Freeman Road Plant as a Class III operator, he was not certified, but he had already taken the test and within a month of being hired he has received his Class III certification. Mr. Pihera congratulated Mr. Miller and the Board gave him a round of applause.

Vice Chairman Joiner called on Jim Poff, Manager of Water Reclamation, who introduced Mike Crabtree, first shift operator at the Casey Plant, and Lenny Clupper, first shift operator at the Shoal Creek Plant. Mr. Poff stated that both of these gentlemen passed their Class II Wastewater examination and added that to receive this certification takes a lot of hard work with a success rate at only 33%.

Mr. Poff stated that Mr. Crabtree has been with the Authority about eighteen (18) years and that entire time has been at the Casey Plant as a first shift operator. Mr. Poff added that Mr. Crabtree has helped a lot in developing procedures to minimize odors coming from the Casey Plant with a hydrogen sulfide testing procedure and spreadsheets to look after those two systems. Mr. Poff congratulated Mike on the work he has done.

As another point of interest, Mr. Poff stated that Mr. Crabtree wanted everyone to know that he is the greatest Tampa Bay fan in the state of Georgia. There were chuckles from the audience.

Mr. Poff stated that Lenny Clupper, first shift operator at the Shoal Creek Plant, has been with the Authority for fifteen years. Mr. Clupper started as a second shift operator at the Casey Plant and then about ten years ago transferred to the Shoal Creek Plant, on first shift. Mr. Poff stated that Mr. Clupper also recently passed his Class II exam. Mr. Poff added that Lenny is the resident computer expert at the Shoal Creek Plant, and if anyone has a question, whether it is hardware or software, Mr. Clupper has the answers and has even developed some spreadsheets that have helped the operators to keep track of solids and other operational parameters. Mr. Poff congratulated Mr. Clupper for the good job he does for the Authority and for passing his test.

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Both Mike and Lenny received a round of applause from those in attendance.

Vice Chairman Joiner, on behalf of the Board, expressed appreciation to each of the employees recognized for their accomplishments.

Vice Chairman Joiner called on Ed Durham, Human Resources Director, who introduced Johnny Meek, a foreman in the Maintenance & Construction department. Mr. Durham explained that for the last eleven years Johnny has headed the Operation Christmas project, helping those in the Clayton County community who are less fortunate than us. This year Mr. Meek was able to raise about eighteen hundred dollars (\$1,800) from fellow employees with the help of his six member committee, and was able to help twelve children to have a better Christmas with food, clothing, and toys. Mr. Durham thanked Johnny for all his efforts and stated that these employees are glad to be able to give back to the community.

Mr. Durham recognized Michelle Mirazee who heads up our Toys for Tots campaign and mentioned that Randolph Jackson heads up a food drive each year to go to those that are less fortunate.

Vice Chairman Joiner complimented these employees and commented how much the Board appreciates the time that is spent on projects that benefit the community.

Mr. Brannan added that Brasfield & Gorrie made a generous contribution to the Christmas bicycle fund and wanted to let them know how much the Authority appreciates their participation. Mr. Brannan thanked the representatives from Brasfield & Gorrie that were in attendance.

Employee Service Recognition: Vice Chairman Joiner called on Terry Hicks, Deputy Manager, who stated that the Authority has two employees celebrating service anniversaries this month. Mr. Hicks stated that even though Larry Luttrell could not be with us today, Mr. Hicks wanted to give some background information on Larry. Mr. Luttrell has been with the Authority for twenty-five years (25) having come to the Authority from the Forest Park system. Mr. Hicks commented that Larry started with the Authority as a meter reader, meter repairman, and then moved over to Maintenance & Construction.

Mr. Hicks added that on January 1, 2004 it had been ten years since the Authority purchased the Forest Park system, the first of three purchases. Mr. Hicks added that the Authority had a ten-year note, so as of now the Forest Park

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purchase is paid, the Jonesboro purchase is paid off, and the Authority has three more payments on the Riverdale purchase. Mr. Hicks stated that the Authority is real close to having these systems free and clear.

Mr. Hicks next introduced Robin Liles who has been with the Authority for fifteen years. Mr. Hicks added that Robin started as a meter reader and then moved to Land Management in 1991. During this time, Robin has passed his Class III, II, and I while he was Land Management technician and then in 1998 he moved over to assist Jep Palmer with the Recreation areas. Mr. Hicks stated that lots of times Jep gets the credit, and deserves it, but lots of times Robin is behind the scenes and is the one getting things done. Mr. Hicks added that Jep and Robin are the only two to run the deer hunt, both the community use buildings, and the recreation areas. Mr. Hicks stated that Robin and Jep do a real good job under Dennis' guidance, and they will move over to Guy Pihera's group once Dennis retires. Mr. Hicks thanked Mr. Liles for his many years and all his hard work.

Vice Chairman Joiner, on behalf of the Board, thanked Robin for fifteen years of dedication.

Public Comment: Vice Chairman Joiner recognized Dexter Matthews, President of the Clayton County Chapter of the NAACP, who wished to make some public comments. Vice Chairman Joiner asked Mr. Matthews, for the record, if his comments would only take five or six minutes. Mr. Matthews answered yes and stated he had a handout for the Board.

Mr. Matthews thanked the Board for the opportunity to speak to them in regard to opportunities for minorities. Mr. Matthews stated that the information distributed to the Board was taken from the EEO-4 Hiring Practices for 2003, 2001, and 1999. After reviewing some of the statistics, Mr. Matthews stated that the hiring practices of the Authority should represent the population of the county. Mr. Matthews stated that as a representative of the NAACP, he is basically asking the Authority to provide more hiring opportunities for minorities and for the Authority to provide a training program, if needed, to fill the high level jobs with minorities.

Mr. Matthews added one more item to his presentation. Mr. Matthews stated that he had a complaint from Ms. Piercy, with whom he had talked to yesterday, and added that she had been out of her home fourteen months now. She had a sewer backup at her house and Mr. Matthews stated that she feels her house is not repaired for her to move back into it. Mr. Matthews stated that he is asking the Board to help move this process along.

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Board member, Robbie Moore, asked Mr. Matthews about the statistics for 2002.

Mr. Matthews stated that this report is compiled every other year.

Mr. Moore asked Mr. Matthews, in his role of representing the NAACP, to forward qualified applicants to the Water Authority so that they can be eligible for consideration for a position.

Mr. Matthews suggested that the Water Authority advertise in the Atlanta newspaper, which a lot of minorities read for job opportunities.

Board member, Wes Greene, has talked to Mr. Durham in regard to minority hires and has emphasized that because of the changes in the demographics of the county that it is imperative that the statistical numbers improve. Mr. Greene stated that the HR department is working hard in this area and is doing a good job and Mr. Greene feels that these numbers will improve as the Authority goes forward.

Mr. Greene added that the Authority has hired people that he has recommended and that he felt were good people. Mr. Greene stated that he is a paid lifetime member of the NAACP, and wanted Mr. Matthews to encourage other blacks and other minorities that are living in the county to come and apply here at the Water Authority. Mr. Greene added that if these people do not come and apply, then obviously they could not be selected. Mr. Greene stated that he has looked at the Authority's hiring practices and the Authority is fair, but does have to seek out applicants for jobs that do require technical skills. Mr. Greene stated that the Authority's pay levels are higher now, so the Authority is competitive and the Board should see good improvement as we move into the New Year.

Board member, Marie Barber, stated to Mr. Matthews that one of the Authority's long-term goals, that the Board talked about at the last Board meeting, is for Ms. Barber to work with the Clayton County School system, along with Rick Hirsekorn of CH2M Hill, to offer engineering opportunities to African-Americans.

Mr. Greene commented that Mr. Matthews did not mention contracts, but that same principal applies as far as advertising on our bidding and the Authority needs to expand out of Clayton and maybe advertise our larger contracts in the city of Atlanta, which might help the Authority in bringing on minority contractors as well.

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Water Main Coring & Tapping Recommendation: Vice Chairman Joiner called on Herbert Etheridge, Manager of Maintenance & Construction, who discussed the Water Main Coring & Tapping Recommendation. Mr. Etheridge stated that his department reviews what his employees should be working on to meet the goals of the future and does a comparison of CCWA labor cost and proposed contracted labor cost. Mr. Etheridge stated that when a new development is started, the Authority does not allow private developers to tap the Authority's live water mains. Mr. Etheridge added that the Authority has done the tap on our own and charged the developer what it cost.

Mr. Etheridge stated that the CCWA labor cost for Water Main Coring is seven hundred twenty-five dollars (\$725) compared to three hundred twenty-five dollars (\$325) for contracted labor cost because the Authority has four-man crews. Mr. Etheridge stated that the recommendation is to contract this work out to Mack Jones Enterprises and pass the cost of the Water Main Coring and/or tee installation to the developer.

Water Main Coring & Tapping Cost Estimate

Description	Current Charge	CCWA Labor Cost	Proposed Contracted Labor Cost
Water Main Coring	\$ 350.00	\$ 725.00	\$325.00
Tee Installed 6"-8"	\$1,464.48	\$1,464.48	\$525.00 (\$764.00 in roadway)
Tee Installed 10"-12"	\$1,464.48	\$1,464.48	\$675.00 (\$964.00 in roadway)

These prices are for the labor portion of the work. For tee installations materials are provided by CCWA and will be billed to the developer. On tees that are installed in roadway areas, the developer would also be billed for paving restoration. CCWA will employ the services of Mack Jones Enterprises and pass the cost of the Water Main Coring and/or tee installation to the developer. These costs vary slightly from job to job and the above numbers are estimates for a typical installation.

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Clayton County Water Authority
Watermain Coring and Tapping
Tab Sheet
December 2003

Vendor	Bid
Ronny D. Jones Enterprises, Inc. Newnan, GA 30263	No Bid
MacBa Sewer & Pipeline, Inc. McDonough, GA 30253	No Bid
Hall Construction Hampton, GA.	No Bid
Mack Jones Enterprises Flowery Branch, GA.	\$37,975.00
McLemore Plumbing & Construction Williamson, GA.	\$72,200.00
Tom Davidson & Sons Sunnyside, GA.	No Bid

Recommendation: The CCWA staff recommends contracting with Mack Jones Enterprises for the coring and tapping of water mains for new developments. The developer pays the cost of this work. See attached sheet for current estimated fees and CCWA cost.

Upon Motion by Robbie Moore and seconded by Marie Barber it was unanimously

RESOLVED: to accept the low bid recommendation of the staff to contract with Mack Jones Enterprises in the amount of thirty-seven thousand nine hundred seventy-five dollars (\$37,975.00) for the coring and tapping of water mains for new development with the developer paying the costs of this work, contingent upon approval of bonds and insurance as required by the specifications and to authorize the General Manager to sign the contract documents. This contract will be renewable for a second and third year upon the agreement of both parties.

Pipe Yard Electrical & Piping Recommendation: Mr. Etheridge continued with the Pipe Yard Electrical & Piping Recommendation stating that the Board was generous enough to purchase additional property in the back of the main complex about a year ago, to be used for pipe storage and vehicle parking. Mr. Etheridge gave a slide presentation that showed the location of the gate on this additional property, and stated that the last step toward using this property would

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be installing some lighting. Mr. Etheridge added that Marshall Maddox, who works with Teresa Adams in General Services, contacted some lighting vendors and came up with a lighting grid that would not disturb the neighboring property owners with excess lighting at night. Mr. Etheridge stated that this recommendation is for lighting, electrical services, conduit installation, and later on, closed circuit television on some of the poles, and a gate operator.

Clayton County Water Authority
 Lighting/Electrical for New Property
 Tab Sheet
 December 2003

Vendor	Bid
Cleveland Electric Atlanta, GA.	\$53,436.00
Metro Power Atlanta, GA.	\$57,883.00
McBride Electric Services Doraville, GA.	\$63,097.00

Recommendation: The CCWA staff recommends contracting with Cleveland Electric for the installation of Lighting, Electrical, and Conduit Installation on the new HQ property.

Funding source: Approved in FY 2003 Budget – General Revenue Fund 4th Quarter.

Upon Motion by Robbie Moore and seconded by Wes Greene it was unanimously

RESOLVED: to accept the recommendation of the staff to award the lighting, electrical, and conduit contract on the HQ property to the low bidder, Cleveland Electric, in the amount of fifty-three thousand four hundred thirty-six dollars (\$53,436.00), contingent upon approval of bonds and insurance as required by the specifications and to authorize the General Manager to sign the contract documents.

Line 12 Final Summary: Vice Chairman Joiner asked Mr. Etheridge to continue with Line 12 Final Summary. Mr. Etheridge stated that four and a half or five years ago CH2M Hill along with help from the Authority developed a hydraulic water model to help identify line improvements that were needed. Mr. Etheridge stated that the biggest problem that the Authority had was with the Noah's Ark pump station, knowing that we

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could get 22 million gallons a day in to the pump station, but could only get about 15 million gallons a day out of the pump station. The Authority could not run the Smith and Freeman Road plants at full capacity at the same time due to flow restraints.

Lines 12 & 13

Water Distribution System Model was used to identify line improvements.

- Line 12 and 13 are needed to improve the flow of water out of the Noah's Ark Re-pump Station to the north part of the County
 - Line 12 – Noah's Ark Rd. to SR 138/Fielder Rd.
Approx. 10,400 ft. of 20 inch and 8,800 ft. of 16-inch water line
 - Line 13 – Flint River Rd. to SR 138 along Hwy 19/41
Approx. 5,700 ft. of 24 inch water line
- | | |
|--|-----------------|
| <input type="checkbox"/> Total Job Estimate – 2000 Master Plan | \$1,557,000.00 |
| <input type="checkbox"/> CCWA Construction Estimate | \$1,148,558.69 |
| <input type="checkbox"/> Final Construction Cost -
(\$94,143.19 over CCWA estimate) | \$1,242,701.88 |
| <input type="checkbox"/> Under 2000 Master Plan estimate | (\$ 314,298.12) |

Note:

- Original Contract – Gordy Construction (included in CCWA estimate)
\$498,460.00
- Final Contract – Gordy Construction \$527,021.75 (\$28,561.75 above contract)

Additional Construction Costs:

Accounting Revision – Labor/benefits	\$34,525.94
Easement Acquisition	\$21,500.00
Gordy Construction Contract	\$28,561.75
Materials	\$ 4,446.57
Warehouse Charges	\$5,108.93
Total	\$94,143.19

Mr. Etheridge stated that these improvements were completed in March and the Authority is now able to get 23 million gallons a day out of the pump station. Mr. Etheridge added that the pump station could now run at capacity, with Smith and Freeman Road running at the same time at full capacity.

Mr. Brannan added that when the Authority invested in those plants the Authority could only get 30 or 35% productivity out of them.

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Mr. Etheridge stated that unfortunately the Authority came in a little over our estimate. In the 2000 Master Plan, the job estimate was one million five hundred fifty-seven thousand dollars (\$1,557,000). At that time, labor costs were up with a booming economy. After 9/11, construction slowed down a little bit and the Authority estimated the job in-house at one million one hundred forty-eight thousand five hundred fifty-eight dollars and sixty-nine cents (\$1,148,558.69). Mr. Etheridge added that the final construction cost was one million two hundred forty-two thousand seven hundred one dollars and eighty-eight cents (\$1,242,701.88), which is three hundred fourteen thousand two hundred ninety-eight dollars and twelve cents (\$314,298.12) under the 2000 Master Plan estimate, but ninety-four thousand one hundred forty-three dollars and nineteen cents (\$94,143.19) over the Water Authority's in-house estimate.

Mr. Etheridge stated that the original contract with Gordy Construction, which was included in the CCWA estimate, was four hundred ninety-eight thousand four hundred sixty dollars (\$498,460). The final contract with Gordy Construction was for five hundred twenty-seven thousand twenty-one dollars and seventy-five cents (\$527,021.75), twenty-eight thousand five hundred sixty-one dollars and seventy-five cents (\$28,561.75) over the Authority's estimate. Mr. Etheridge explained that the overages were mostly in paving, with a big rock pocket on Thornton Boulevard. Mr. Etheridge added that the Authority has a 12" water line there presently and because that 12" inch line is critical to the pump station, the Authority was leery of blasting the rock. The Authority elected to move the new line out in the pavement and that resulted in a fifteen thousand dollar (\$15,000) cost increase, a little over half the \$28,000 figure over the Authority's estimate.

Mr. Etheridge explained the additional construction costs. Mr. Etheridge stated that when the job was estimated, the Authority was using our old accounting system. At that time, a salaried employee's time did not get charged against a job as part of the overhead. When the Authority started reporting jobs, using the JDEdwards system, salaried employee's time was counted against the job. Mr. Etheridge stated that his inspector, who was a salaried employee, and is now retired and has not been replaced, his time was charged against the job for thirty-four thousand five hundred twenty-five dollars and ninety-four cents (\$34,525.94).

Mr. Etheridge stated that on Highway 138, near Walt Stephens Road, the Authority had been told that the DOT had obtained all the right-of-way for a road widening project, so the Authority laid the water line outside the existing right-of-way on private property and then was told that the DOT had not obtained all the right-of-way. Mr. Brannan worked with the DOT and was able to negotiate and the Authority had to pay twenty thousand dollars (\$20,000) for that easement and

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had to pay fifteen hundred dollars (\$1,500) for another small easement due to a utility conflict at Jodeco Road and Camp Avenue.

Mr. Etheridge added that if the Authority had installed the 16" water line in the original position and then had to go back and move it, it would have cost the Authority thirty-five thousand dollars (\$35,000) instead of the twenty thousand dollars (\$20,000). It was in the Authority's best interest to participate in the right-of-way acquisition. Mr. Etheridge stated that Gordy Construction was over by twenty-eight thousand and material costs were over by forty-four hundred dollars, most of which is in concrete for blocking behind bends. Mr. Etheridge stated that warehouse charges are never included in the original estimate, because the Authority never knows how many trips the contractor will make in our warehouse. Warehouse charges are billed on a per-issue basis.

Chairman McQueen walked into the meeting at this time and Vice Chairman Joiner asked Chairman McQueen to take over the meeting, since it was a good stopping point.

Secretary/Treasurer Marie Barber asked Mr. Etheridge to explain the warehouse charges a little more.

Mr. Etheridge called on Frank Conort, who was attending his last Board meeting before his retirement, to explain warehouse charges. Mr. Conort explained that these charges were developed years ago based on the number of transactions through the warehouse and the cost to maintain that warehouse. Mr. Conort stated that this is an accounting practice that is generally done which involves taking the overhead units (indirect administrative costs) and converting them, where you can, to direct costs.

Northeast Plant Solids Handling Recommendation: Chairman McQueen called on Jim Poff, Manager of Water Reclamation, who discussed solids handling at the Northeast Plant. Mr. Poff stated that at this facility the Authority has mechanical dewatering and wants to address transportation and disposal of solids. Mr. Poff explained that the Authority went out for bid on a cost per-wet-ton basis (PWT) and had four vendors to respond. Mr. Poff stated that the staff recommends accepting the annual contract from the low bidder, Republic Services, for twenty-four dollars and seventy-five cents (\$24.75) PWT hauled and disposed with an effective date of February 1, 2004.

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Clayton County Water Authority
BID TABULATION
RESIDUAL SOLIDS MANAGEMENT
Northeast WRF - December 2003

	Northeast WRF Residual Solids Management
Republic Services Alpharetta, GA	\$24.75 PWT
Waste Management Conley, GA 30288	\$28.50 PWT
Erth Products Peachtree City, GA 30269	\$29.00 PWT
Browning Ferris Industries Atlanta, GA 30318	\$46.45 PWT
Oscar Renda Contracting Ft. Worth, TX 76118	No Bid
C & C Disposal Fayetteville, GA 30124	No Bid
Hydropress Consulting Services West Hatfield, MS 01088	No Bid
Engineering Consulting Services Greensboro, NC 27409	No Bid
Johnson Environmental Services Humble, TX 77396	No Bid
Southern States Mauk, GA 30288	No Bid
Applied Engineering & Science Atlanta, GA 30341	No Bid
Southern Champion Services Norcross, GA 30092	No Bid
Onyx Industrial Ashland, KY 41101	No Bid
Synagro Southeast Cartersville, GA 30121	No Bid
Trimax Residuals Edmonton, Alberta Canada	No Bid

Recommend accepting the low bid of Southern Champion Services for \$0.04 per gallon dewatered and hauled. We are currently using Southern Champion and they are a company located in the metropolitan Atlanta area. We are currently paying \$0.038 per gallon. Annual contract will commence on May 1, 2004 and will be funded from operating budget.

Upon Motion by Marie Barber and seconded by John Westervelt it was unanimously

RESOLVED: to accept the recommendation of staff to award the annual Solids Dewatering and Hauling contract at the Shoal Creek Plant to the low bidder, Southern Champion Services, for four cents per gallon (\$.04), with an effective date of May 1, 2004 contingent upon approval of bonds and insurance as required by the specifications and to authorize the General Manager to sign the contract documents.

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Lift Station SCADA System Project Summary: Chairman McQueen called on Mike Buffington, Project Engineer, who stated that this is an informational update on our Wastewater Lift Station SCADA System Project.

PROJECT UPDATE
WASTEWATER LIFT STATION
SCADA SYSTEM

The project includes remote monitoring of 26 wastewater lift station sites reporting to the W. B. Casey WRF, and three water sites reporting to the existing SCADA system at the Freeman Road WPP. Communications are via spread spectrum radio system, and hardware and software is included to monitor and control lift station operation.

Project Managers:

CH2M Hill, Engineers (Design) – Yvette Ratzlaff
CH2M Hill, Engineers (Construction Manager) – Dave Goddeyne
Clayton County Water Authority – Mike Buffington

Construction Contract Summary:

General Contractor – Curry Controls Co., Lakeland, Florida

Bid Amount – \$1,254,000

All construction work complete, with the exception of minor punch list work, and contractor is addressing final operational issues

Final Contract Amount – \$1,230,829.07

Funding:

Series 2001 Bond Issue

Mr. Buffington stated that the system is in operation, but there still are some operational issues and some training that has to be done before being completely finalized. During construction of this system, the Authority added three lift station sites, Pinto Trail, Lovejoy and Tara Boulevard stations and also deleted one site at the Reeves Creek station, which will be done as part of the new replacement Reeves Creek station that is now under design.

Mr. Buffington added that the Authority also worked with Curry Controls and CH2M Hill to do some value engineering for the project and made some modifications to the equipment that resulted in substantial savings to the

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Authority. Mr. Buffington added that the bid amount was one million two hundred fifty-four thousand dollars (\$1,254,000) with a final contract amount of one million two hundred thirty thousand eight hundred twenty-nine dollars and seven cents (\$1,230,829.07) which resulted in a savings of twenty-three thousand one hundred seventy dollars and ninety-three cents (\$23,170.93) under the original bid amount.

Mr. Buffington stated that the Authority will have some interest on retainage that the Authority will need to pay, and have to pay by state law, and will apply for a tax rebate on major equipment that was installed on this project. The 2001 Bond Issue funded this project. Mr. Buffington showed some photographs of the facility to the Board.

Casey Project Update: Mr. Buffington continued with the Casey Project Update stating that construction continues on this facility, approximately sixteen months into construction. The project is ahead of schedule and currently on budget. Mr. Buffington stated that there are some representatives here today from Brasfield & Gorrie, who are going to give an update on the construction project and also are going to be the ones to keep this project ahead of schedule and on/or under budget.

Mr. Buffington introduced Mr. Gary Harrington, Vice President, Division Manager of Brasfield & Gorrie, Mr. Steve Jay, Project Manager at the Casey Plant, and Mr. Jorge Mazariegos. Mr. Buffington stated that Steve and Jorge would give the Board an update on the construction.

Mr. Steve Jay thanked the Board and the Authority for inviting the representatives from Brasfield & Gorrie to the meeting. Mr. Jay stated that they appreciate the opportunity to work at the W. B. Casey Plant and working with the Authority and continuing their relationship with CH2M Hill. Mr. Jay stated that Brasfield & Gorrie are sixteen months into the construction and to date have moved over three hundred and fifty thousand cubic yards of dirt for excavation and backfill, placed almost twenty-eight thousand cubic yards of concrete and installed about seventy-nine thousand feet, almost fifteen miles, of pipeline. The project is about seventy-five per cent (75%) complete right now and we are looking to a summertime start-up of the new facility.

Mr. Jorge Mazariegos gave a slide presentation showing an aerial photo of the new Casey Plant and gave some statistics on the degree of completion of the various areas of the facility.

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Board member, Robbie Moore, stated he had given the Brasfield & Gorrie folks a hard time because Mr. Moore could not figure out why there was not anyone in Atlanta that could do this job. Mr. Moore stated that the Board had emphasized that local folks be used and after reviewing the list of contractors, a lot of minority contractors were used. Mr. Brannan had taken Mr. Moore to the job site and one could tell that there was a good group of folks out there and the site was just beautiful. Mr. Moore asked if Brasfield & Gorrie wanted to move to Atlanta from Birmingham.

Mr. Harrington stated that they do have an Atlanta office.

Chairman McQueen asked the representatives from Brasfield & Gorrie at what stage of completion is the Casey Plant.

Mr. Jay replied that the original contract completion is September 2005 but Brasfield & Gorrie look to complete the project at the end of 2004.

Chairman McQueen asked if Brasfield & Gorrie are hoping to complete the project a year ahead of schedule.

Mr. Jay replied that the project would be complete a little less than a year ahead of schedule.

Chairman McQueen stated that the Casey project is about nine months ahead of schedule and Mr. Jay agreed. Chairman McQueen added that the Authority appreciates the fact that Brasfield & Gorrie are ahead of schedule because it saves the Authority money with Rick's company, CH2M Hill. There were chuckles from those in attendance. Chairman McQueen added that although Brasfield & Gorrie are way ahead of schedule, he knows that the last 10% could take longer to complete.

Chairman McQueen stated that the Board appreciates this report from Brasfield & Gorrie and the Board appreciates Brasfield & Gorrie addressing some issues in the county. Chairman McQueen added that he had visited the Casey site and was amazed with the cleanliness of the site.

Rick Hirsekorn, of CH2M Hill, commented that in spite of the fact that when Brasfield & Gorrie started the Casey project we were at the end of a drought and then one of the wettest periods on record, they have run that job so capably, kept the cleanliness, they are a class outfit.

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Chairman McQueen stated to Brasfield & Gorrie that if they finish on time like they say they are, the Authority would invite them back to congratulate them.

Ms. Barber, Secretary/Treasurer of the Board, asked that Mr. Brannan reschedule a tour of the Casey site with the Commissioners when the weather warms up.

Ms. Barber added that she had talked to Commissioner Gray and with the help of Brasfield & Gorrie, a lot of children in the county were happy during the holidays because of their contribution. Ms. Barber added that they would probably be called on again.

Mr. Harrington of Brasfield & Gorrie commented that it is nice to be able to come and talk to the owners and not be ashamed of what they are doing, and a lot of what they do is repeat customers and Brasfield & Gorrie also likes to be involved in the community. Mr. Harrington added that one likes to be good citizens, and be friendly to the people that you are working with. Mr. Harrington stated that the Authority is excellent to work with and Brasfield & Gorrie appreciates the Authority's engineer and all the Authority's personnel.

Board member, Wes Greene, asked Mr. Harrington to what does he attribute getting the project going so fast.

Mr. Harrington stated that Brasfield & Gorrie discovered about ten years ago that they never finished their projects on schedule, dragging the job out, and not making the owners very happy. Mr. Harrington added that they established a company philosophy that each project has to have a schedule and that Brasfield & Gorrie will spend thirty-five or forty thousand dollars on this project to have it scheduled. Mr. Harrington added that Brasfield & Gorrie has a schedule consultant to do the paperwork and they feed that information to the consultant. Mr. Harrington added that when you do this on a job such as the Casey Plant in the forty million dollars range, you are able to determine at all times if you are behind or ahead of schedule. They bring the sub-contractors in and get their input, and everyone has gotten on board that they are going to do such and such at a certain time. Mr. Harrington stated that what this does is assist them with delivering of materials, when they should be on the site, and the same thing with sub-contractors. Since Brasfield & Gorrie has used this scheduling on their projects, they have eliminated a lot of those mistakes and problems they had. Mr. Harrington stated that this has forced Brasfield & Gorrie to do what they should, and being fair to people, and try to get the right people working for them. Mr. Harrington added that they put a lot of authority in their project managers and into their superintendent's hands. Mr. Harrington added that if Brasfield & Gorrie bid a

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job, they are trying to get it, so you want to make sure you have a good engineering firm, good owners, and the right people working together.

Mr. Buffington stated that he had one more item on the Casey project. Mr. Buffington added that Brasfield & Gorrie is similar to the Water Authority in that it is their people that make the big difference. Mr. Buffington commented that Brasfield & Gorrie has some excellent project managers, down to superintendents, on down to workers at the site.

Mr. Buffington stated that a part of this contract is that the existing plant will be demolished after the new plant is in service, which is a part of Brasfield & Gorrie's contract. Mr. Buffington added that one thing that is not in their contract is the decommission of the existing holding pond. Once the new plant is in service, the Authority will have to decommission that pond and take it out of service after the existing plant is demolished. Mr. Buffington stated that the Authority is currently working with CH2M Hill on a plan to decommission this pond. Some of the steps involved would be decant the liquid from the pond and treat that at our plant, then the Authority would have to remove and dispose of the bio-solids that have settled over the years, then we will fill in, regrade, plant and basically return the area to a natural area. Mr. Buffington added that the Authority's current rough estimated cost for this entire procedure is about six hundred thousand dollars (\$600,000). Mr. Buffington stated that this would be funded by the funds in the 2001 Bond Issue. Mr. Buffington added that the Authority talked about this originally back during the design, but at that time decided not to include it as part of this construction cost, partly because of some budgeting constraints that the Authority had, but it was something that the Authority could delay till near the end of the project, unfortunately Mr. Harrington has caused the Authority to move this up because Brasfield & Gorrie are about a year ahead of schedule. Mr. Buffington added that the Authority is in the process of getting this plan together and will bring it back before the Board as to what the Authority will do with that pond.

Board member, Robbie Moore, commented that the Authority had one other item that was handled as a change order with Brasfield & Gorrie since they were already on site instead of bringing another sub-contractor in, why not handle this as a change order as well since Brasfield & Gorrie has the equipment and they are already on site.

Mr. Buffington commented that the Authority had talked about that and he had talked a little bit to Brasfield & Gorrie and it might be beneficial to handle this as a change order. Mr. Buffington added that the Authority can dewater the pond and remove the solids with the Authority's own people and if the Authority can

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get this done during the cold months, then by the summertime while Brasfield & Gorrie are doing the demolition work, talk to them about doing the grading work as a change order, would be ideal.

Board member, Robbie Moore, added that the Authority should lock them in on a price today while they are here.

Mr. Brannan mentioned some other items with the new Casey Plant are the furnishings of the administrative buildings, telephones, and the landscaping and some other issues that the Authority's staff will be bringing back to the Board as well.

Board member, Alan Horton, asked if Mr. Buffington had any similar slides showing the work at the Jackson Plant.

Mr. Buffington stated that he did have a slide showing the Jackson Plant and would present it at the next Board meeting. Mr. Mazariegos of Brasfield & Gorrie had shown the raw waste pump station and the transfer pump station, which covers only a small corner, and then the rest of that plant will be completely demolished and re-graded. The Authority had talked about making that area a green space or possibly working with the County on a park or something along those lines. Mr. Buffington stated that all that work is included as part of Brasfield & Gorrie's contract.

Garner Pump Station Board Update: Chairman McQueen called on Guy Pihera, Manager of Water Production, who updated the Board with some background information on the Garner raw water pump station. Mr. Pihera presented some aerial slides showing the Hooper Reservoir, the Hooper Plant and the Garner pumping station on Big Cotton Indian Creek. Mr. Pihera added that the history on this site is that it was a Georgia Power turbine electric generating station started back in 1909 that was decommissioned, which the Authority purchased from Georgia Power, and in 1974 installed raw water pumps, intake structure, and the 30" raw water line that you see going from the pump station to the Hooper reservoir at the Hooper Water Plant.

Mr. Pihera stated that in 1986 the Authority constructed a concrete dam at that site, because the original station was just a pump station in the river and the Authority was very limited on how much water could be drawn because we were very dependent on the river level. After a flood in 1994, the Authority had to make major repairs to the pump station to get it back up and running. In the summer of 2002, the Authority started a series of renovation projects, which Mr. Pihera reviewed for the Board.

Garner Pump Station Rehabilitation Summary

Garner Pump Station is located in Henry County on Big Cotton Indian Creek below the confluence of Little Cotton Indian Creek. The pump station stands ready to pump up to 16 MGD to Hooper Reservoir during drought periods. Major rehabilitation began September 2002 and concluded November 2003.



Contractor Repairing Concrete Dam



Vertical Turbine Pump Platform

Project	Work By	Projected Date to Complete	Cost	Notes
Dam Repairs (grouting of leaking area)	Hayward Baker Inc.	Spring/Summer 2002	\$32,491.72	Grouting Contractor - performed grouting of leaking area, Sept. 10-13, 2002, Board approved bid
Engineering Observation of repair work	LAW Engineering & Environmental Services, Inc.	Spring/Summer 2002	\$5,040.00	Observed grouting work, made recommendations as necessary to contractor, developed report on project.
Access Roadway improvements (W.O. # 33103)	CCWA staff	Spring/Summer 2002	\$12,243.89	Obtained 6 month temp. easements from adjoining land owners (exp. 11-06-02) Material - \$ 8,418.92 Labor - \$3,824.97 (188.0 manhours)
Pump Repairs	Smith-Gray Electric	Spring/Summer 2002	\$47,006.60	Board approved bid, includes additional parts (shaft couplers & bearings at \$1,084.10) not included in original bid
New intake opening in structure	Outside Services	Summer 2002	\$2,942.00	Includes cutting 3' X 5' opening, bar screen w/baffle, platform & ladder
Replacement Sluice Gate parts	Georgia Western	Spring/Summer 2003	\$13,245.00	Rec'd gate assembly (replaced entire gate - not parts) Oct. 2003
Electric Actuator for sluice gate	Georgia Western	Spring/Summer 2003	\$3,424.00	Rec'd EIM actuator Aug. 2003
Sluice Gate & Actuator Installation	Tom Davidson and Sons	Spring/Summer 2003	\$38,339.81	Original plan included labor by CCWA staff, Davidson called in due to complexity of installation
Replacement of conduit & wiring for sluice gate	CCWA staff	Spring/Summer 2003	\$4,312.14	Completed Nov 2003 Materials - \$1,286.18 Labor - \$3,025.96
TOTAL			\$159,045.16	

Mr. Pihera stated that the first thing that the Authority did was to hire Law Engineering, an environmental inspection service. Mr. Pihera added that they are a dam expert engineering company hired to come and take a look at the dam. The Authority staff had found that when the water level on the low side of the dam is down and on the upper side is up, there is a leak that is coming through the bottom of the dam. Mr. Pihera stated that the dam is pretty much solid concrete poured on

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a bedrock foundation. Mr. Pihera added that to protect the integrity of the structure the Authority needed to do something. After dewatering, the Authority found that there was a void under the dam, so the void was enlarged to remove some material and repair a crack that was found, and then concreted that void, and then a sealant was pumped up into the void which permanently sealed the structure between the bedrock and the concrete dam itself.

Mr. Pihera added that Hayward Baker, Incorporated, who did the dam repair, was a bid that the Board approved back in the early stages of the project for thirty-two thousand four hundred ninety-one dollars and seventy-two cents (\$32,491.72). Mr. Pihera stated that after they repaired the void under the dam, they then resurfaced that section of the dam so that when water is flowing over the top, in high water periods, it had a smooth surface to come down and it did not interrupt the flow at the base of the dam. Mr. Pihera added that there is a lot of debris that comes through, because this is a free flowing channel and the debris builds up and flows on down.

Mr. Pihera stated that another major project that the Authority accomplished is the replacement of the Sluice Gate and Actuator, which has been in there since 1986 and really needed some work, but we could not find the parts, so the Authority ended up replacing these parts. A new Sluice Gate was installed, and a motorized Actuator. Mr. Pihera stated that initially the Authority was going to do this with our own forces, but due to the nature of the job the Authority ended up getting Tom Davidson & Sons, who we have on an annual contract, to do this job for a cost of thirty-eight thousand three hundred thirty-nine dollars and eighty-one cents (\$38,339.81). Mr. Pihera added that the job was big because the Authority had to stop the flow in the creek from going through the outlet structure while the new gate was installed. Mr. Pihera explained that the contractor had to bring in pumps, do some earthwork and build a temporary cofferdam, to be able to dewater that site so they could install the new gate. Mr. Pihera added that when that gate is closed or when the river is flowing at a high enough rate, the pool still fills up with a lot of debris that comes down the river. The Authority installed a shield around that operator to protect it from this debris.

Mr. Pihera stated that another part of the renovation project was the replacement of the original pumps that were installed back in 1974. Mr. Pihera added that the Authority is actually still using the same electric motor mechanism, but the Authority did replace the pumping system through a Board-approved bid with Smith-Gray Electric for forty-six thousand six dollars (\$46,006). Mr. Pihera stated that the Authority replaced the two pumps, which have a combined capacity of sixteen million gallons per day. Mr. Pihera explained that the Authority could pump water from Big Cotton Indian Creek back up to the Hooper Reservoir. The

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Authority used that flow of water in periods of low flow coming into the Hooper Reservoir to attempt to keep the Hooper Reservoir as full as we could without having to let water out of our Blalock Reservoir upstream. Mr. Pihera added that in the summer, when we need this facility, the Authority generally cannot get the 16MGD out because the Authority can only pump so much from this creek. We have to let a certain amount flow by. Mr. Pihera stated that the total cost of this project is one hundred fifty-nine thousand forty-five dollars and sixteen cents (\$159,045.16). Mr. Pihera added that the Garner Pump station is in excellent shape and ready for many more years of service.

Mr. Hicks stated that Georgia Power abandoned this site in 1959 and the Authority's first Chairman, Mr. Red Garner, who was the Regional Manager for Georgia Power, picked up this site for the Authority for pennies basically, but it was fifteen years before the Authority ever used the site. Mr. Hicks added that there was "foresight thinking" even back then. Mr. Hicks explained that the Hooper Plant did not even have a dam at the time, it was sucking straight out of a little creek that flowed by. Mr. Hicks stated that all of these type projects, and it comes right on into today to what the current Board is doing, will be here on out into the future also.

Chairman McQueen thanked Mr. Hicks for this information and Ms. Barber wanted to know if Mr. Hicks was writing all this down somewhere.

Mr. Hirsekorn stated that Mr. Hicks would be a consultant after he retires. Ms. Barber agreed.

Mr. Hicks commented that the Authority actually found the plans for the wooden dam that was there originally in the 1920's. Mr. Hicks added that the old wooden dam deteriorated through the years, but there were still metal rods sticking up in the bedrock in 1986 when the Authority put the concrete dam in.

Retiree Health Insurance Update: Chairman McQueen called on Ed Durham, Human Resources Director, who stated that last month the Authority had talked about retiree insurance and made a recommendation then as we talked about eligibility of retirees for insurance and also for election options. Mr. Durham stated that the Authority needed some documentation that would clarify the practices that the Authority is currently doing, so there would not be any confusion later on the part of the retiree. The Authority wanted to have a document that said the exact requirements, the things that you must have to be eligible; these are your options as far as your elections. Since that discussion, the Authority has met with legal counsel and documentation has been prepared to that effect, a summary plan description and plan document, that includes that language in it to be sure going

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forward that when we have anyone retiring or have a retiree come back to the Authority that it is clearly stated what that person's eligibility was at the time that they left. Mr. Durham also sent to the Board an election form that the Authority provides to our retirees who must either elect to take or defer coverage for spouse or dependents within thirty (30) days of their retirement or they can "opt out", but once they "opt out" they cannot come back at any point in time for coverage. Mr. Durham stated that all that language is in the document and this document will be mailed out to all the Authority's retirees that have left the company and the Authority has an acknowledgement form for them to sign so the Authority will have documentation on file so there is not any doubt in the future what is available. Mr. Durham added that this fifty-page document is available if any Board member would like to read it.

Chairman McQueen commented that the Board had asked for this documentation and it sounds like Mr. Durham has covered what the Board had requested. Chairman McQueen asked if there were any questions from any Board member. Chairman McQueen recapped that the Authority would have signatures that the retiree received the document, signed it, and understood the document.

MNGWPD 2002 Dues: Chairman McQueen called on Mr. Brannan who stated that the Metropolitan North Georgia Water Planning District dues this year are based on fifteen cents (\$.15) per capita County population of 236, 517 people and the Authority will pay two-thirds of that which would be ten cents for everybody in the County which will amount to twenty-three thousand six hundred fifty-one dollars and seventy cents (\$23,651.70).

Board member, Robbie Moore, commented that the Authority received back more money than the Authority had paid in last year.

Mr. Brannan stated that the Authority did acquire some federal money through the Planning District, but this was not related to the dues issue. Mr. Brannan added that the dues for this year was less than the Authority paid last year.

Mr. Hicks added that the Authority paid eighty-seven thousand (\$87,000) dollars last year.

Mr. Brannan explained that the Planning District did not want to put any more money in the budget for the Planning District because most of the members, as independent agencies, are funding some of the projects and programs that the Planning District has come up with, so there was no need for the members to continue to fund it at the same level as last year.

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Mr. Hicks commented that this was a budgeted item that was actually approved back in April 2003.

Upon Motion by Marie Barber and seconded by Lloyd Joiner it was unanimously

RESOLVED: to approve the payment of dues for this year to the Metropolitan North Georgia Water Planning District in the amount of twenty-three thousand six hundred fifty-one dollars and seventy cents (\$23,651.70).

2004 Irrigation Deposit Recommendation: Chairman McQueen asked Mr. Brannan to continue with the 2004 Irrigation Deposit Recommendation. Mr. Brannan directed the Board to look at the proposed Water Meter Prices that were distributed to the Board and stated that the only fees that the Authority is talking about are the fees in blue on the “proposed” chart provided. Mr. Brannan directed the Board members to look under the “Irrigation-water only Deposit” for irrigation meters, which is to be adjusted in relationship to the water and sewer fees that were adjusted recently. The cost will actually be revised on a 1” from \$170 to \$175, the 1½” from \$340 to \$355 and the 2” from \$540 to \$565. This is just a basic relative calculation based on the actual fees that the Authority charges for water service. Mr. Brannan stated that for easy reference, all of the Authority’s charges would be on one document, which will be incorporated into these minutes, which would include the adjusted rates and when they were adjusted. Mr. Brannan stated that the Authority had previously adjusted the water and sewer deposit rates from \$120 to \$125 so Mr. Brannan wanted it all on one sheet so that the Board could adopt this and use it as a future reference document. Mr. Brannan requested authorization from the Board to approve this document as the Water Authority’s current fee structure.

Water Meter Prices
Last Price Increase 01/01/04 (Proposed)

Residential Water & Sewer Installed by CCWA Contractor

Size	Installation	Deposit	Water Impact	Sewer Impact	Total
5/8”	\$775.00	125.00	675.00	849.00	\$2424.00
¾”	\$800.00	125.00	675.00	849.00	\$2449.00
1”	\$850.00	125.00	675.00	849.00	\$2499.00
1 ½”	N/A	N/A	N/A	N/A	N/A
2”	N/A	N/A	N/A	N/A	N/A

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Residential Water & Sewer Pre-Stubbed by Developer

Size	Installation	Deposit	Water Impact	Sewer Impact	Total
5/8"	\$200.00	125.00	675.00	849.00	\$1849.00
3/4"	\$225.00	125.00	675.00	849.00	\$1874.00
1"	\$250.00	125.00	675.00	849.00	\$1899.00

Residential Water Only Installed by CCWA Contractor

Size	Installation	Water only Deposit	Water Impact	Total
5/8"	\$775.00	60.00	675.00	\$1510.00
3/4"	\$800.00	60.00	675.00	\$1535.00
1"	\$850.00	60.00	675.00	\$1585.00
1 1/2"	N/A	N/A	N/A	N/A
2"	N/A	N/A	N/A	N/A

Residential Water Only Pre-Stubbed by Developer

Size	Installation	Water only Deposit	Water Impact	Total
5/8"	\$200.00	60.00	675.00	\$935.00
3/4"	\$225.00	60.00	675.00	\$960.00
1"	\$250.00	60.00	675.00	\$985.00

Commercial Water & Sewer

Size	Installation	Deposit	Water only Deposit	Water Impact	Sewer Impact
5/8"	\$860.00	Calculate	Calculate	Calculate	Calculate
3/4"	\$900.00	Calculate	Calculate	Calculate	Calculate
1"	\$950.00	Calculate	Calculate	Calculate	Calculate
1 1/2"	\$3254.00	Calculate	Calculate	Calculate	Calculate
2"	\$3470.00	Calculate	Calculate	Calculate	Calculate
3"	By Developer	Calculate	Calculate	Calculate	Calculate
4"	By Developer	Calculate	Calculate	Calculate	Calculate
6"	By Developer	Calculate	Calculate	Calculate	Calculate
8"	By Developer	Calculate	Calculate	Calculate	Calculate

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Irrigation

Size	GP D	Installation	Water only Deposit	Irr. Impact	Total
5/8"	300	\$860.00	60.00	675.00	\$1,595.00
3/4"	347	\$900.00	75.00	780.00	\$1,755.00
1"	867	\$950.00	175.00	1950.00	\$3,075.00
1 1/2"	173 3	\$3254.00	355.00	3900.00	\$7,509.00
2"	277 3	\$3470.00	565.00	6240.00	\$10,275.00

Fire Connection (2" and Smaller)

Size	Total
5/8"	\$860.00
3/4"	\$900.00
1"	\$950.00
1 1/2" (turbometer)	\$3550.00
2" (turbometer)	\$3690.00

Double Check Valves & Dual Check Valves

Double Check Valve on existing accounts		Dual Check Valves on existing accounts	
Size	Total	Size	Total
5/8"	\$170.00	5/8"	\$110.00
3/4"	\$170.00	3/4"	\$110.00
1"	\$180.00	1"	\$115.00

Deposit Calculation Formula For All Meters other than Residential

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For example, for an Apartment Complex and Mobile Home complex:

The deposit amount will be calculated as follows: Take 7,000 gallons multiplied by the number of proposed units, divided by 1000, multiplied by the current water & sewer rates multiplied by two months, equals the deposit amount rounded to the nearest one.

Below is an example used to determine the deposit for an apartment complex and mobile home complex with 294 units:

$$7,000 \times 294 = 2,058,000 \div 1000 = 2,058 \times 6.93 = 14,261.94 \times 2 = \$28,523.88$$

Below is an example used to determine the deposit for a Motel/Hotel complex with 294 units:

$$3,780 \times 294 = 1,111,320 \div 1,000 = 1,111.32 \times 6.93 = 7,701.45 \times 2 = \$15,402.90$$

Below is an example used to determine the deposit for others (where the avg. GPMonth is 1,111,320):

$$1,111,320 \div 1,000 = 1,111.32 \times 6.93 = 7,701.45 \times 2 = \$15,402.90$$

Raw Water Withdrawal Permit

Includes meter, strainer, and box

(Permit for 5 years) **\$150.00**

Minimum bill is \$3.00 per month during the winter.

First 30,000 Gallons is \$0.50 per thousand;

30,001 gallons to 60,000 is \$1.00 per thousand;

60,001 and over is \$2.00 per thousand.

Construction Meter (5/8" only)

Installation & Deposit

Sewer Tap

Minimum \$2015.00

Requires field check to verify cost

Rates

Water \$3.40 per thousand

Sewer \$3.53 per thousand

Impact Fees

Calculation formula: Avg. Daily usage multiplied by rate.

Water \$2.25 per gallon

Sewer \$2.83 per gallon

Sewer Only Rate

Flat monthly fee \$31.77

(9,000 gals at \$3.53 per thousand)

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Water Meter Prices
Last Price Increase 03/01/03 (Current)

Residential Water & Sewer Installed by CCWA Contractor

Size	Installation	Deposit	Water Impact	Sewer Impact	Total
5/8"	\$775.00	120.00	675.00	849.00	\$2419.00
3/4"	\$800.00	120.00	675.00	849.00	\$2444.00
1"	\$850.00	120.00	675.00	849.00	\$2494.00
1 1/2"	N/A	N/A	N/A	N/A	N/A
2"	N/A	N/A	N/A	N/A	N/A

Residential Water & Sewer Pre-Stubbed by Developer

Size	Installation	Deposit	Water Impact	Sewer Impact	Total
5/8"	\$200.00	120.00	675.00	849.00	\$1844.00
3/4"	\$225.00	120.00	675.00	849.00	\$1869.00
1"	\$250.00	120.00	675.00	849.00	\$1894.00

Residential Water Only Installed by CCWA Contractor

Size	Installation	Water only Deposit	Water Impact	Total
5/8"	\$775.00	60.00	675.00	\$1510.00
3/4"	\$800.00	60.00	675.00	\$1535.00
1"	\$850.00	60.00	675.00	\$1585.00
1 1/2"	N/A	N/A	N/A	N/A
2"	N/A	N/A	N/A	N/A

Residential Water Only Pre-Stubbed by Developer

Size	Installation	Water only Deposit	Water Impact	Total
5/8"	\$200.00	60.00	675.00	\$935.00
3/4"	\$225.00	60.00	675.00	\$960.00
1"	\$250.00	60.00	675.00	\$985.00

Commercial Water & Sewer

Size	Installation	Deposit	Water only Deposit	Water Impact	Sewer Impact
5/8"	\$860.00	Calculate	Calculate	Calculate	Calculate
3/4"	\$900.00	Calculate	Calculate	Calculate	Calculate
1"	\$950.00	Calculate	Calculate	Calculate	Calculate
1 1/2"	\$3254.00	Calculate	Calculate	Calculate	Calculate
2"	\$3470.00	Calculate	Calculate	Calculate	Calculate
3"	By Developer	Calculate	Calculate	Calculate	Calculate
4"	By Developer	Calculate	Calculate	Calculate	Calculate
6"	By Developer	Calculate	Calculate	Calculate	Calculate
8"	By Developer	Calculate	Calculate	Calculate	Calculate

Irrigation

Size	Installation	Water only Deposit	Irr. Impact	Total
5/8"	\$860.00	60.00	675.00	\$1595.00
3/4"	\$900.00	75.00	780.00	\$1755.00
1"	\$950.00	170.00	1950.00	\$3070.00
1 1/2"	\$3254.00	340.00	3900.00	\$7494.00
2"	\$3470.00	540.00	6240.00	\$10250.00

Fire Connection (2" and Smaller)

Size	Total
5/8"	\$860.00
3/4"	\$900.00
1"	\$950.00
1 1/2" (turbometer)	\$3550.00
2" (turbometer)	\$3690.00

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Double Check Valves & Dual Check Valves

Double Check Valve on existing accounts		Dual Check Valves on existing accounts	
Size	Total	Size	Total
5/8"	\$170.00	5/8"	\$110.00
3/4"	\$170.00	3/4"	\$110.00
1"	\$180.00	1"	\$115.00

Deposit Calculation Formula For All Meters other than Residential

For example, for an Apartment Complex and Mobile Home complex:

The deposit amount will be calculated as follows: Take 7,000 gallons multiplied by the number of proposed units, divided by 1000, multiplied by the current water & sewer rates multiplied by two months, equals the deposit amount rounded to the nearest one.

Below is an example used to determine the deposit for an apartment complex and mobile home complex with 294 units:

$$7,000 \times 294 = 2,058,000 \div 1000 = 2,058 \times 6.60 = 13,582.80 \times 2 = \$27,165.60$$

Below is an example used to determine the deposit for a Motel/Hotel complex with 294 units:

$$3,780 \times 294 = 1,111,320 \div 1,000 = 1,111.32 \times 6.60 = 7,334.71 \times 2 = \$14,669.42$$

Below is an example used to determine the deposit for others (where the avg. GPMonth is 1,111,320):

$$1,111,320 \div 1,000 = 1,111.32 \times 6.60 = 7,334.71 \times 2 = \$14,669.42$$

Raw Water Withdrawal Permit

Includes meter, strainer, and box

(Permit for 5 years) **\$150.00**

Minimum bill is \$3.00 per month during the winter.

First 30,000 Gallons is \$0.50 per thousand;

30,001 gallons to 60,000 is \$1.00 per thousand;

60,001 and over is \$2.00 per thousand.

Construction Meter (5/8" only)

Installation & Deposit

Sewer Tap

Minimum \$2015.00

Requires field check to verify cost

Rates

Water \$3.24 per thousand

Sewer \$3.36 per thousand

Impact Fees

Calculation formula: Avg. Daily usage multiplied by rate.

Water \$2.25 per gallon

Sewer \$2.83 per gallon

Sewer Only Rate

Flat monthly fee \$30.24

(9,000 gals at \$3.36 per thousand)

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Upon Motion by Lloyd Joiner and seconded by Alan Horton it was unanimously

RESOLVED: to approve the proposed fee structure for the Water Authority, as presented, showing all adjustments on one document

Financial Institutions Signature Authorization: Chairman McQueen called on Frank Conort, Manager of Finance, to discuss Signature Authorization. Mr. Conort stated that this is his last official act. Mr. Conort stated that what he is asking the Board to approve is a blanket authorization for those signatures relative to our several cash accounts to be changed accordingly in light of his retirement. Mr. Conort explained that there are several accounts, but primarily what we are talking about today, is the petty cash account and the payroll accounts that need to be updated in light of the transition.

Mr. Conort stated that the primary signatures that will appear on these accounts would be the CFO, Mr. Emory McHugh, General Manager, Wade Brannan, Deputy Manager, Terry Hicks and Secretary and Treasurer of the Board, Ms. Marie Barber. Mr. Conort added that those signatures would apply to those accounts as appropriate, not all signatures will be required for all accounts.

Upon Motion by Alan Horton and seconded by John Westervelt it was unanimously

RESOLVED: to approve a blanket authorization for those signatures relative to all the Authority's bank accounts.

Chairman McQueen commented that the luncheon for Mr. Conort was very nice and well attended. On behalf of the Board of Directors, Chairman McQueen added that the Board appreciates Mr. Conort and what he has done for the Authority. Chairman McQueen stated that since he has been on this Board, he has not worried about money because of Mr. Conort. Chairman McQueen added that he hopes Mr. Conort catches a lot of fish and that Mr. Conort will get to do all the fishing that he wants to do and the Board knows that if the Authority needs Mr. Conort we can give him a call.

Mr. Conort thanked Chairman McQueen for his comments and would like to say that his thirty-two year tenure here at the Water Authority has been an enjoyable one. Mr. Conort added that that may sound strange, but one spends 75% of your waking hours in your working situation, you better enjoy it. Mr. Conort added that he has thoroughly enjoyed his time at the Authority. Mr. Conort added that he really appreciates everyone's cooperation and help. Mr. Conort received a round of applause.

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Chairman McQueen called on Dennis Hammock to come up and say a few words and give the deer hunt report. Mr. Hammock reported that the Authority finished up the 2003 deer-harvesting program this year, but did not quite reach our goal that was established years ago with the DNR, but the Authority did harvest one hundred forty-two (142) which according to the hunters was not as many as there use to be. Mr. Hammock added that 27 were harvested at the Woolsey Road property, 14 at the Shoal Creek property, and a 14-point buck and one at 120 pounds, which were records this year. Mr. Hammock stated that Jep would be compiling all this information and sending it to DNR. Mr. Hammock stated that after eight years (8) the Authority has harvested one thousand four hundred four (1,404) deer.

Mr. Hammock stated that he appreciates the Board's support on the deer harvesting and all the other projects that were done.

Mr. Hammock added his final comments. Mr. Hammock stated that he has spent all his adult life here, thirty-two years. Mr. Hammock added that he and Mr. Hicks grew up here. Mr. Hammock commented that you have to love working here, to stay here that long, and give it all you can. That says a lot of the organization that comes all the way from the top. Mr. Hammock added that he never thought about leaving, it never crossed his mind. Mr. Hammock stated that it has been a pleasure and he has thanked the Boards that he has worked for and this Board, because you have thought enough about the employees to look after us. Mr. Hammock stated that he would miss the people the most.

Chairman McQueen stated, on behalf of the Board, how much they appreciate Mr. Hammock and what he has done for the Authority through the years. Mr. Hammock received a round of applause.

Board member, Wes Greene, wanted Mr. Conort and Mr. Hammock to know how much he has enjoyed both of them and the confidence he has had in their abilities in the job that they have done. Mr. Greene added that he has been on this Board since 1994 and when he started they were in the old building cramped up in that little boardroom, but Mr. Greene always felt confident and comfortable in the work that they have done. Mr. Greene thanked both Frank and Dennis.

Upon Motion by Lloyd Joiner and seconded by Wes Greene it was unanimously

RESOLVED: that the Board adjourns into executive session. The Board reserved the right to return to the open session.

Chairman McQueen called the regular Board meeting back into open session.

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Board member, Wes Greene, commented that on December 26, 2003 he was at the Blalock Community Use Building after dark for a function and most of those driving to the facility were from the north side of town, Atlanta, or Gwinnett County. If you are not familiar with Freeman Road or the location of the CUB it is very difficult to see the Authority's sign especially at night. Mr. Greene suggested that the Authority use some fluorescent paint on the sign or something when your lights hit the sign that it would light up to make it easier to find the CUB.

Board member, Robbie Moore, asked if the Authority owned the northwest corner of the property near the entrance to the CUB.

Mr. Brannan stated that the Authority does own the corner property.

Mr. Moore suggested building some sort of rock wall or sign that would be more noticeable.

Chairman McQueen stated that Mr. Brannan and Mr. Hicks would take care of the sign issue.

Board member, Wes Greene, stated that the NAACP contacted Mr. Greene and stated that the Clayton County Water Authority was going to be a candidate for a target by the national office. Mr. Greene explained that Mr. Matthews was just part of the local chapter of the NAACP. Mr. Greene stated that he was going to a summit meeting Saturday from 10:00 a.m. to 2:00 p.m. and he is sure that the Water Authority will be brought up. Mr. Greene commented that if the Water Authority were targeted for a national audit by the national office of the NAACP, then it would be national news.

Mr. Greene stated that he told Mr. Matthews that he has personally spent time with the Authority's HR department and has observed our procedures and personally feels that the Authority does things fairly and honestly. Mr. Greene added that even though he is a Board member, he sincerely feels this way and stated that if he did not feel this way, he would most certainly speak up and let it be known how he feels. Mr. Greene feels that the Authority has an excellent Human Resources Department, and he thinks our procedures are excellent and thinks that the Authority is fair in our practices. Mr. Greene added that he plans to say that Saturday.

Board member, John Westervelt, commented that he would like to know how the Authority compares to other large companies, like a Coca Cola.

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Mr. Hicks stated that the Authority had asked Mr. Matthews about other companies and Mr. Matthews stated that the other companies do not give out numbers.

Board member, Robbie Moore, stated that the Authority has actively recruited, but added that applicants are going to go where the money is.

Mr. Greene stated that is not the real issue. Mr. Greene added that the real issue is that most of the Authority's employees that come here stay here. The Authority does not have a high turnover rate. Mr. Greene said that he told the NAACP that the Authority would not fire good people to replace them. The people that the Authority have, who have been here for twenty or thirty years, have done a good job and are going to be here. Mr. Greene added that the Authority is fortunate that we do not have high turnover, evident by what we see at every meeting.

Board member, John Westervelt, stated that this place is unbelievable.

Mr. Greene agreed. The Authority has low turnover, and a lot of folks that have retired, have not been replaced, we have cut back, we have merged, we have had consolidation, and the people that we have are top-notch folks. Mr. Greene stated that as time goes on, this issue would work out in his opinion. Mr. Greene added that as some do retire it would open the door to bring on minorities as they come forward, but it is not a situation of blatant discrimination, that is not happening here. Mr. Greene wanted this to be known as what he will tell at the summit meeting on Saturday.

Mr. Moore stated that he thought that we, as a Water Authority, owe it to the NAACP and any Hispanic group, to fax or mail to them our job openings once a month to show that we are pro-active.

Mr. Greene stated that the emphasis on this is that the NAACP is saying that the Authority is discriminating and the other issue that you want to keep in mind is that the demographics changed quickly. Mr. Greene stated that the Authority could not adjust our numbers here as quickly as what has happened in this county. Mr. Greene added that hiring Teresa Adams was a wise decision and she has done a good job.

Vice Chairman Joiner commented that in this discussion Ms. Barber has brought out the fact that in order to get that employee on the payroll, in those pay scales that we are talking about, it has to be someone who has gone through the schooling process and to some extent that is a slow motion process. The other factor is, let me say this with a clear conscience, the number one objective for me as a Board member, is that I put the

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Water Authority and the Clayton County citizens above everything else as far as my responsibility. And when that employee is standing before us, what we have to do is hire the employee that can fulfill the responsibility that we have hired them for. Our objective most of all is to keep the Water Authority a strong, financial, functioning, efficient organization. If you have two employees standing there and one is incapable of doing the job and one is capable, you are going to hire the capable one. If there are two that you are looking at and you have a choice of A or B, and either one of them can do the job, then I think the management of the Clayton County Water Authority, if one of those two was a minority, should hire the minority.

Mr. Joiner added that the last point that gives him a little bit of heartburn is that he is hearing Mr. Greene and Ms. Barber and everybody else saying that the Authority is doing it right, and he also is hearing the local NAACP, and maybe even the national NAACP, say that we are not doing it right. We almost have to not be doing it right, to be a target. Mr. Joiner asked if the Authority is doing things right, or are we not. If we are doing it right, a target for the Water Authority is unnecessary and counter productive. Mr. Joiner commented that in Teresa's case, that two or three people went looking for her. They did a lot to get her application into the Authority and her application was at the top of the group. Mr. Joiner added that the NAACP wants the Authority to put ads in the Atlanta paper, but he did not think that would be the tool to get that person in the upper category. Mr. Joiner thinks that it will be networking and trade magazines that will attract good job candidates. Mr. Joiner added that he is just a little concerned about the accusations, in reality, as far as he is concerned the Authority is doing right and if we are targeted, then tell us what we are targeted for and give us specific issues, a general comment will not work. If we are doing something specifically wrong, then we need to know about it.

Mr. Greene agreed with Mr. Joiner and stated that his reputation is such that if something is wrong, he is not going to bite his tongue. Mr. Greene stated that if something is wrong, he is real adamant, if it is wrong, it is wrong and he does not play, he is not afraid, he does not care what the consequences are and has that reputation. Mr. Greene asked Mr. McQueen if he agreed.

Chairman McQueen agreed with Mr. Greene.

Mr. Greene stated that when he stands up as a Board member, having served since 1994, that he comes with some credentials. Mr. Greene stated that he could say with all confidence that, not only do we do things right, but also we do things with excellence. Our hiring practices are way above most organizations. Mr. Greene added that he thinks Wade is one of the fairest persons he has ever met in his life, in terms of a top manager.

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Mr. Greene stated that in his opinion he does not feel any racism in Wade. We run a good shop from top to bottom.

Chairman McQueen commented that he appreciated Mr. Greene's comments and added that when Teresa's job came up he knew that an extraordinary amount of employees had applied for that job, some with a lot of years of service. The Authority went through the process and they did the right thing.

Mr. Moore added that the only other thing that he would suggest to Mr. Matthews is that the local NAACP could create a website to help with job placement, but if that cannot be accomplished, then have the Authority post job openings on the national NAACP website.

Mr. Greene stated that he thinks that might be way out on a limb thing, but a good idea. Mr. Greene will suggest that. Mr. Greene added that the Authority has a reputation that should draw from other places, such as Gwinnett and DeKalb and other areas.

Mr. Brannan commented that he believes that the Authority has been reaching out to try and find minorities so that the company does reflect the community, but even internally the employees that we already have, we are promoting those folks up into management level and doing everything the Authority can to give them an opportunity to move up in the organizational chart. Mr. Brannan has shared that with Mr. Durham and the Authority tries to recruit and develop people internally.

Mr. Greene asked if Mr. Brannan could give him something that would show any promotions, just numbers not names.

Chairman McQueen complimented Mr. Brannan and especially Ms. Barber for what they have done in meeting with Mr. Matthews.

Mr. Brannan stated that he had a few issues to discuss. Mr. Brannan told Mr. Greene that Gary's Grading has put up their sign at the Noah's Ark site on the 19th of December.

Mr. Brannan stated that the Authority has some salvage meters over in the warehouse, which will not be any good to the Authority, but Mr. Brannan wanted to get some value out of them if he could with some of these other meter companies that might be able to take them and use them for scrap or used parts. Mr. Brannan added that he did get two quotes, one for forty eight hundred dollars (\$4,800) for eleven hundred fifty scrap

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meters (1,150) and four thousand four hundred seventy-five dollars (\$4,475) from another company. Mr. Brannan stated that unless the Board objected, he would dispose of these scrap meters for forty eight hundred dollars (\$4,800) to Badger Meter.

Mr. Brannan commented that last year's audit is still not completed due to the fact that the Authority's current auditor has some issues that they are dealing with and the County will no longer be using the same auditor. The County will use KMPG. Mr. Brannan stated that next year the Authority would also be using KMPG.

Mr. Greene asked if Ron Baum was not the auditor.

Mr. Brannan stated that Mr. Baum's firm, Grant Thornton, has lost the account with the County and the Authority has to use the same auditing firm as the County.

Legal counsel, Steve Fincher, commented that the County went through a bid process and Ron Baum's company Grant Thornton did not get the bid.

Mr. Brannan wanted the Board to be aware that Mike Thomas and Ed Durham have both wanted to participate in a mission trip with their church and are getting that opportunity this year. Mr. Brannan stated that Mike Thomas will be going to India and will be out of the office February 22 to March 5, 2004. Ed Durham will be out of the office February 12 to February 22, 2004 and he is going to Kenya. Mr. Brannan stated that they both will be out a two-week period and wished them well on their trip.

Mr. Brannan stated that last year 2002 when the Authority had the Christmas party down at Atlanta Motor Speedway, the Authority spent five thousand nine hundred seventy dollars (\$5,970) and roughly had one hundred twenty (120) employees involved in that, some had their spouse with them. This year with the Christmas luncheon that the Authority had catered, we had about three hundred (300) employees and it cost the Authority three thousand four hundred thirty-five dollars (\$3,435). Mr. Brannan added that the Authority had a lot more participation for a lot less cost and will probably do the same thing next year.

Mr. Brannan stated that the Authority has five pieces of equipment that we are going to dispose of at auction in April. Of the two alum trucks that the Authority has, the one used to haul alum from the Hooper Plant over to the Huie Site, has over two hundred thousand miles on it. The Authority plans on keeping the better of the two trucks in case of emergencies and disposing of the other truck at auction. The Authority has that truck, a backhoe, another squad truck, dump truck, one sewer truck, and one sewer-cleaning unit on a trailer that we are going to dispose of at the auction. Mr. Brannan stated that he

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would start the paperwork and advertise these items for four weeks and dispose of them in April.

Mr. Brannan stated that he has been asked on a couple of occasions for T-Mobile to install a tower down at the Jackson Plant site. Mr. Brannan added that he is going to set up a meeting with T-Mobile to talk about specifics and get them to make us an offer telling us what kind of revenue, as compensation, the Authority would receive. If the Commissioners agree to let the Authority install a tower on the Jackson site, the Authority would ask that they install the tower out of the way and not in any area that might conflict with any recreational activity that could be used on the site after we demolish that plant. Mr. Brannan added that as he receives more information, he will bring this back to the Board, but T-Mobile is serious about putting a tower in this area and as the Authority will not have any operation there but a pump station and this would not conflict or cause any problems with the neighborhood, it would be a source of income for the Authority.

Mr. Brannan commented to Mr. Greene that the Authority did check on the meters in Riverdale, trying to catch that mid-cycle type straight piping operation, and we did not find any of those, but we do have our employees on alert to follow up on that.

Board member, Robbie Moore, asked at what dollar expenditure level did Mr. Brannan and Mr. Hicks need to get approval from the Board.

Mr. Brannan stated that any item that is close to twenty thousand dollars (\$20,000) he would bring before the Board and any item that has come before the Board previously he will bring back, if there had been any question of the item for purchase.

Mr. Greene added that he appreciated Mr. Brannan bringing those items before the Board.

Board member, Wes Greene, asked Mr. Brannan how Mr. McHugh is working out.

Mr. Brannan stated that Mr. McHugh is doing a good job and is digging through the accounts and finding some money. Mr. McHugh is looking through past bond issues and seeing if there are any funds left in any account that can be used elsewhere and is diligent in his efforts to get up to speed on all the Authority's accounts. Mr. Brannan added that McHugh is very thorough and should give a good showing at budget time.

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Mr. Hicks stated that the Authority struggled with the change out of the software, but it is a benefit to Mr. McHugh in that he is having to get in there and learn, which helps him to understand how the Authority operates our business.

Upon Motion by Robbie Moore and seconded by Wes Greene it was unanimously

RESOLVED: that the regular session board meeting be adjourned.

There being no further business to come before the open meeting the meeting was adjourned.

Pete McQueen, Chairman

Walter Marie Barber, Secretary/Treasurer