

CLAYTON COUNTY WATER AUTHORITY

1600 Battle Creek Road
Morrow, Georgia 30260

Regular Board Meeting January 4, 2001

Chairman Lane called the meeting to order at 1:30 p.m.

Present at the meeting were: Chairman, Joe T. Lane, Secretary/Treasurer H. Lindy Rogers, Board Members, Pete McQueen, Lloyd B. Joiner and Marie Barber, General Manager, M. Wade Brannan, Deputy Manager, Terry R. Hicks, Department Managers, Frank Conort, Neal Wellons, Dennis Hammock, Gary Howe, Herbert Etheridge, Jr., Guy Pihera and Richard Calhoun, Executive Secretary, Patricia Groover, Assistant Manager of Administration, Scott Bailey, Project Managers, Mike Thomas & Mike Buffington, Contracts and Procurement Administrator, Karen Riser, Human Resources Director, Ed Durham, Compensation & Benefits Coordinator, Michelle Mirzaiee, Customer Accounts Supervisor, Morris Kelly, Accounting Supervisor, Renee Dumas, Information Services Supervisor, Rodney Crowell, Desktop Administrator Information Services, Paul Harris, Network Administrator Chris Sims, Programmer Analysts, Angie Nalley and Tim Whitlock, Resource Center Director, Andy Wells, Water Reclamation Plant Operator, Robert Cloud, Water Quality Supervisor, Eric Osborne, Microbiologist, Arden Stewart, Lab Analyst, Jennifer Flewellen, Administrative Secretaries, Dianne Hammock, Mary Safrit and Scott Whitlock, Office Assistant, Carla Clark, Installation & Paving Foreman, Johnny Meek, Irrigation Maintenance Crew Leader, Willie McCune, Accounting Specialist, Connie Bowen and Drafting Technician, Randy Shreiner. Also present: Steve Fincher, Fincher & Hecht, L.L.C., Rick Hirsekorn, Sarah Bernier, Lee Davis, Wayne Murphy and Jim Hawley, of CH2M Hill, Chris Wood, of Jim Wood & Associates Public Relations and Marcia Bost, The Clayton Review.

Chairman Lane called on Connie Bowen, Accounting Specialist, to give the invocation.

Chairman Lane called for any omissions or additions to the minutes of the regular and executive Board meeting on December 6, 2000 and called Board meeting on December 14, 2000, hearing none, Chairman Lane stated that these minutes stand approved as received with one exception that the motion regarding the Joy Lake Road Sewer Line Extension on page 1270 of the regular session minutes be changed to read Upon Motion by Don Whitman and seconded by Lindy Rogers it was unanimously.

Financial and Statistical Report: Chairman Lane called on Frank Conort, Manager of Administration, who presented the monthly financial and statistical report. This report was received for information.

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Mr. Conort called on Scott Bailey, Assistant Manager of Administration, to give the Board additional information on the Authority's financial trend analysis. Mr. Bailey distributed copies of informational graphs for the projected FY 2001 titled Operating Revenues vs. Budgeted Operating Expenses Actual Through November, Operating Revenues vs. Actual Revenues Through November, Operating Expenses vs. Actual Expenses Through November, and an informational chart titled Projected FY 2001 Revenues vs. Expenses by Month Actual Through November. Mr. Bailey discussed the information shown on these graphs and chart. There was discussion with questions concerning this information with Mr. Conort answering questions and giving additional information.

Mr. Lane gave the Board information about the Authority's community training room located in the office complex and stated that this room was used a total of 26 times in the month of December.

Chairman Lane discussed information in the Managers Comments that Board members receive in the financial report each month. Mr. Lane requested and received additional information from Gary Howe, Manager of Engineering, Dennis Hammock, Manager of Land Management, Herbert Etheridge, Manager of Maintenance & Construction, Guy Pihera, Manager of Water Production and Neal Wellons, Manager of Water Reclamation, concerning these managers' comments.

Recognition of Water Production Lab: Chairman Lane called on Guy Pihera, Manager of Water Production, who introduced the employees in the Authority's Water Production Lab, Eric Osborne, Water Quality Supervisor, Arden Stewart, Microbiologist and Jennifer Flewellen, Lab Analyst. Mr. Pihera stated that these three Water Production Lab employees do all of the water quality sampling and a lot of the analyses for the Authority's water system. Mr. Pihera stated that the Water Production Lab does over three thousand test a year and each of these tests is done with a commitment to quality. Mr. Pihera stated that the Authority's Water Production Lab has received recognition for their commitment to quality on three different occasions since 1996 from the Georgia Water and Pollution Control Association (GW&PCA). Mr. Pihera stated that he would like to give recognition to the Water Production Lab employees for being awarded the year 2000 GW&PCA's Laboratory Quality Assurance Award for a large size laboratory. Mr. Pihera stated that it is an honor to receive this award and that he would like to thank the Water Production Lab employees for their commitment to quality and for the excellent job they do for the Authority. Mr. Lane stated that on behalf of the Board that he would like to thank these employees for earning this award.

Operation Christmas Committee: Chairman Lane stated that he would like to recognize the Authority's Operation Christmas committee members who gave of their time to help others. Mr. Lane stated that he would also like to recognize the Authority's employees

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who generously donated \$2,054 to the Authority's Operation Christmas 2000. Mr. Lane gave the Board information on how the Operation Christmas committee used this money to help five families have a happier Christmas. Mr. Lane introduced the Operation Christmas committee members, Johnny Meek, Installation & Paving Foreman, Randolph Jackson, Senior Equipment Operator, Arden Stewart, Microbiologist, Mary Safrit, Administrative Secretary, Willie McCune, Irrigation Maintenance Crew Leader, Randy Shreiner, Drafting Technician, Carla Clark, Office Assistant, Michelle Mirzaiee, Compensation & Benefits Coordinator and Shelly Liles, Customer Service Representative. Mr. Lane thanked each of these employees for giving of their time for this worthwhile cause.

Recognition of Water Reclamation Employee: Chairman Lane called on Neal Wellons, Manager of Water Reclamation, who introduced Robert Cloud and stated that he would like to give Mr. Cloud recognition for a number of reasons. Mr. Wellons stated that first he would like to recognize Mr. Cloud for the work that he has done in the Authority's Pelletizing Facility at the W.B. Casey WRF. Mr. Wellons stated that over the last few years that Mr. Cloud played a big part in implementing and helping with the upgrades to the Pelletizing Facility. Mr. Wellons stated that these upgrades would allow the Pelletizing Facility to be ready for the plant expansion. Mr. Wellons stated that he would also like to give Mr. Cloud recognition for passing his Class II State Certification for Water Reclamation Operator. Mr. Wellons stated that passing the Class II State Certification for Water Reclamation Operator exam is a major accomplishment because it is the hardest water reclamation exam to pass and only has a 25% pass rate. Chairman Lane thanked Mr. Cloud for his hard work and dedication to the Authority.

Hydrant Use Policy: Chairman Lane called on Wade Brannan, General Manager, who stated that he and Mr. Fincher would like to discuss the Authority's Water Use Policy. Mr. Fincher distributed copies of the Water Use Policy. Mr. Brannan and Mr. Fincher went over the Water Use Policy and discussed the information in this policy. There was discussion concerning this information

Upon Motion by Lindy Rogers and seconded by Lloyd Joiner it was unanimously

RESOLVED: that the proposed Clayton County Water Authority Water Use Policy be adopted as presented.

There was discussion concerning the possibility of someone using more than \$2,500 of water at a meter before this water use is detected. Mr. Fincher stated that he recommended that the language “to pay CCWA for the value of the water used and a fee of up to \$2,500.00” be added to the CCWA Water Use Policy under section III Use of Water in Violation of Policy.

Upon Motion by Lindy Rogers and seconded by Lloyd Joiner it was unanimously

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RESOLVED: that the previous motion be amended to say that the proposed Clayton County Water Authority Water Use Policy be adopted as presented with the exception of adding the language “to pay CCWA for the value of the water used and a fee of “ to section III. Use of Water in Violation of Policy.

STATE OF GEORGIA

COUNTY OF CLAYTON

CLAYTON COUNTY WATER AUTHORITY WATER USE POLICY

I. General Water Usage.

It is the policy of the Clayton County Water Authority (hereinafter “CCWA”) that it is expressly forbidden for any person or entity to tap, convert, steal, or utilize water without prior authorization from CCWA through any fire line, fire hydrant, water main, meter, or other equipment or lines of CCWA.

II. Use of Water through Hydrants.

General

It is the policy of CCWA that the withdrawal of water from CCWA hydrants or from other access points not approved by the Authority is expressly forbidden, unless occurring in compliance with the terms of this Policy.

Necessary Permits and Equipment

Any withdrawal of water through CCWA hydrants or other non-standard access points, except for fire fighting activities by fire department personnel or official use by CCWA personnel, must occur through hydrant meter assemblies equipped with backflow preventers that have been provided and approved by CCWA (hereinafter “Meter Assemblies”) pursuant to this Policy and the CCWA Hydrant Meter Use Agreement and Application (hereinafter the “Agreement”).

All persons or entities who desire to obtain water through a CCWA hydrant (hereinafter “Users”) must adhere to the terms of this Policy and the Agreement, and, when requesting a Meter Assembly, all Users will perform the following tasks and adhere to the following requirements:

1. Fill out, execute and submit the Agreement, and pay the appropriate initial fee or deposit, as described below at the Customer Service Counter located at CCWA’s offices at 1600 Battle Creek Road, Morrow, Georgia.
2. Take a stamped-paid copy of the Agreement to the warehouse located at 1600 Battle Creek Road, Morrow, Georgia (hereinafter the “Warehouse”) for issuance of the Meter Assembly.

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3. Before a User may fill a Tank Truck with water drawn through a Meter Assembly, CCWA personnel must inspect the Tank Truck, as described below.
4. Users to whom a Meter Assembly is issued will be classified by CCWA into one of two categories: Permanent or Temporary. Category specifics are described below.

Permanent Meter Assembly Users

Permanent Users are issued Meter Assemblies on a permanent basis (i.e. for more than six (6) months) and shall pay fees and charges as set by CCWA’s Board of Directors. Meter Assemblies shall remain the property of CCWA. Permanent Users must bring the Meter Assembly to the Warehouse monthly (i.e. at least every thirty (30) days) for reading, maintenance and testing by CCWA personnel. Fees and charges are listed below.

Fees and charges: For each Meter Assembly, the Permanent User must pay a \$950 initial charge, plus a water rate charge of no less than \$50/month. For any month that a Meter Assembly is not returned for a monthly reading, a minimum fee equal to the water rate charge for use of 111,000 gallons of water at the then current rate will be billed to the Permanent User. If the Meter Assembly is not returned for a reading for two (2) consecutive months, then the account will be closed, the Permanent User must return the Meter Assembly to CCWA, and a late fee of up to \$500 may be billed to the Permanent User. Permanent User shall pay the cost of repair or replacement of any Meter Assembly that is damaged or destroyed while in Permanent User’s possession. The water rate charge shall be as set from time to time by CCWA’s Board of Directors (\$2.70/1000 gallons currently).

Temporary Meter Assembly Users

Temporary Users are issued Meter Assemblies on a temporary basis (i.e. for six (6) months or less). Meter Assemblies shall remain the property of CCWA. Temporary Users shall pay an initial deposit as set by CCWA’s Board of Directors. Temporary Users must bring the Meter Assembly to the Warehouse monthly (i.e. at least every thirty (30) days) for reading, maintenance and testing by CCWA personnel. Temporary Users must, no later than six (6) months after being issued a Meter Assembly, return Meter Assemblies to the Warehouse for a final reading, and usage will be deducted from the Temporary User’s deposit, with the balance of the deposit, if any, refunded to the Temporary User by mailed check. If fees for usage exceed the deposit amount, the Temporary User will be billed for the excess. Fees, deposits and charges are listed below.

Fees, deposits and charges: For each Meter Assembly, Temporary User must pay a \$500 initial deposit, plus a water rate charge of no less than \$50/month. For any month that the Meter Assembly is not returned for a monthly reading, the Temporary User will be charged a minimum fee for that month equal to the fee for use of 111,000 gallons of water at the then current water rate. If the Meter Assembly is not returned for a final reading within six (6) months of issuance, CCWA will convert the account to a permanent account. If the Meter Assembly is not returned for a reading for two (2) consecutive months, then the deposit will be forfeited, the Temporary User must return the Meter Assembly to CCWA, and a late fee of up to \$500 may be billed to the Temporary User. Temporary User shall pay the cost of repair or replacement of any Meter

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Assembly that is damaged or destroyed while in Temporary User's possession. The water rate charge shall be as set from time to time by CCWA's Board of Directors (\$2.70/1000 gallons currently).

Mobile Tanks/Tank Trucks Requirements

1. Mobile Tanks (which shall include tank trucks, tag-alongs, and any other types of mobile or portable water tanks) must be brought to the Warehouse for inspection by CCWA personnel prior to being filled through a CCWA hydrant
2. If the Mobile Tank passes the inspection, CCWA personnel will apply an inspection decal in a visible location on the Mobile Tank. Decals will be highly visible, color coded and valid through the end of the current calendar year.
3. Mobile Tanks must be inspected annually. Inspections and annual decals for the following calendar year will be available beginning on the first business day in November of the current year.
4. All Mobile Tanks filled from CCWA hydrants must be filled through a Meter Assembly in accordance with this Policy.
5. Mobile Tanks must have a permanent air gap filling tube.

Hydrant Decals

All CCWA hydrants shall have a decal affixed thereto stating as follows:

“WARNING
CLAYTON COUNTY WATER AUTHORITY

It is unlawful to draw water here from without express prior approval from CCWA. Call 770-961-2130 for information regarding obtaining approval. Any person or entity ignoring this Warning shall agree by such use to pay to CCWA for any use of water the value of the water used and a \$2,500.00 fee, as well as any consequential damages and shall also agree to be bound by the terms of the current CCWA Water Use Policy.”

Any person or entity that takes water from a CCWA hydrant to which the decal is affixed agrees by such use to the terms of both this Policy and the Agreement.

Un-availability of Meter Assemblies for Temporary Use

Though CCWA has no obligation to provide Meter Assemblies to Users, CCWA will make every effort to stock sufficient numbers of Meter Assemblies for constant use by all Users. However, if demand for these Meter Assemblies outweighs supply, CCWA will issue an Agreement without a Meter Assembly pursuant to the following requirements:

1. User will be issued an Agreement pursuant to this Policy by CCWA personnel at the Warehouse.
2. User's anticipated volume and use site must be approved by CCWA personnel prior to issuance of any Meter Assemblies.
3. User will pay the deposit and minimum usage fee as set for temporary use of Meter Assemblies.

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III. Use of Water in Violation of Policy

Any person or entity who draws water from a CCWA hydrant or from any other access point not approved by the Authority without prior authorization from CCWA, bypasses any backflow preventer or Mobile Tank air gap, fills a Mobile Tank lacking a current inspection decal from a CCWA hydrant, tampers in any way with any Meter Assembly or CCWA hydrant, or otherwise violates this Policy or the Agreement thereby agrees to the terms of the Agreement and may be required, at the sole discretion of CCWA's General Manager, to pay CCWA for the value of the water used and a fee of up to \$2,500.00, as well as any consequential damages arising out of the unauthorized use, including but not limited to expenses related to injury to any persons or property (real or personal) and any resulting court costs, attorney fees or other costs related to any claim by or against CCWA. Such person or entity shall also agree to reimburse CCWA for the cost of any Meter Assemblies and/or meters and their installation required to enable CCWA to determine the amount of water unlawfully withdrawn.

Improper use by a User or allowed by a User of any Meter Assembly or CCWA hydrant, or failure by a User to comply with any term of this Policy or the Agreement, will also vest in CCWA a right to repossess any or all of that User's Meter Assemblies.

Mr. Pihera gave the Board information concerning the level of the new Shoal Creek Reservoir.

Seefried Sewer Request Update: Chairman Lane called on Wade Brannan, General Manager, who stated that he would like to update the Board on the Seefried sewer service request. Mr. Brannan stated that this sewer line extension was discussed at a previous Board meeting and is for property in the Mountain View area at Interstate 285 and Old Dixie Highway. Mr. Brannan stated that there are approximately 168 acres in this area that could benefit from this sewer line extension. Mr. Brannan stated that the property owner who requested the sewer line extension has agreed to pay sixty five thousand dollars (\$65,000) of

the cost. Mr. Brannan stated that the Board approved the Authority paying 50% of the cost up to one hundred twenty thousand dollars (\$120,000). Mr. Brannan stated that the total estimated cost of this project was two hundred forty thousand dollars (\$240,000). Mr. Brannan stated that this estimated cost did not include any cost for rock excavation. Mr. Brannan stated that he has asked the Development Authority if they would consider participating in paying the remaining cost of this sewer line extension. Mr. Brannan stated that the Authority is planning to do some engineering work to determine the depth of rock in this area. Mr. Brannan stated that if rock were found, then it would have to be determined how much additional funding would be needed for rock excavation. There was discussion concerning who will pay the cost for the engineering services to determine the cost of rock excavation. Mr. Brannan stated that historically the Authority paid the cost for engineering services to determine the amount of rock in an area. There was discussion concerning whether the engineering cost and rock excavation should be included in the total cost of the sewer line extension. Mr. Brannan stated that there is only a short window of time to gather

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the information needed in determining the total cost and complete this project. There was discussion concerning the length of time that it would take for the Authority to recoup the cost of paying 50% of this project.

Deer Harvest Report: Chairman Lane called on Dennis Hammock, Manager of Land Management, who stated that he would like to give the Board a summary of the Authority's Year 2000 Deer Hunt. Mr. Hammock stated that there were 13 hunts with 197 deer harvested, 106 does and 91 bucks. Mr. Hammock stated that the recommendation of the Department of Natural Resources biologist is to harvest 200 deer. There was discussion concerning this information and the cost to the Authority for conducting the deer hunt. Mr. Lane stated that on behalf of the Board he would like to thank Jep Palmer and all of the Land Management employees who help make the deer hunt a success.

ERP Recommendation: Chairman Lane called on Terry Hicks, Deputy Manager, who stated that he would like to give the Board information concerning the Enterprise Resource Planning (ERP) project and make a recommendation. Mr. Hicks stated that ERP is part of the Authority's Water Initiatives 2000 Plan, which was originally the Authority's 10 year Master Plan. Mr. Hicks stated that it was the recommendation of CH2M Hill that the Authority do a comprehensive upgrade of what we call our Enterprise Information Management System. Mr. Hicks stated that the total estimated cost for this program was a little over six million dollars (\$6,000,000). Mr. Hicks stated ERP is one part of the Enterprise Information Management Systems task order. Mr. Hicks stated that the first step in selecting an ERP vendor was to advertise for proposals. Mr. Hicks stated that the Authority received four proposals. Mr. Hicks stated that each of the four companies who submitted proposals was invited to give a two-day demonstration to the Authority's

evaluation team. Mr. Hicks gave the Board information on the evaluation process of each of these four proposals, which was performed by the Authority's evaluation team. Mr. Hicks stated that each of these four proposals was evaluated for functionality, support, cost, technologic, viability and demonstration. Mr. Hicks stated that he would like to give recognition to the Authority's ERP evaluation team. Mr. Hicks stated that along with himself the other members of the evaluation team from CCWA are, Karen Riser, Frank Conort, Scott Bailey, Morris Kelly, Rodney Crowell, Ed Durham, Richard Calhoun, Renee Dumas, Scott Whitlock, and Sara Bernier, CH2M Hill, with additional help from other employees of CH2M Hill. Mr. Hicks stated that the evaluation team along with CH2M Hill is recommending J. D. Edwards to provide the software and implementation of the Authority's ERP system. Mr. Hicks stated that the evaluation team would continue to evaluate J. D. Edwards's billing system, which is not ready at this time. Mr. Hicks stated that after the evaluation of the billing system a recommendation by the evaluation team would be brought back to the Board on the purchase of this product. Mr. Hicks stated that the value of this contract with J. D. Edwards would be a not to exceed cost of two million one hundred thousand dollars (\$2,100,000). Mr. Hicks stated that this cost is only one part of the six million dollar (\$6,000,000) Enterprise Information Management System. Mr. Hicks stated

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that the Authority would continue to budget the maintenance for the ERP, which is the support of the software and upgrades. Mr. Hicks stated that Karen Riser would be the Project Manager with Richard Calhoun, Renee Dumas and Scott Whitlock as Team Leaders for the implementation of the software. Mr. Hicks stated that he is asking the Board to approve the contract with J. D. Edwards in the not to exceed amount of two million one hundred thousand dollars (\$2,100,000) for the Authority's ERP system. There was discussion concerning this information and the status of J. D. Edwards' financial integrity. Mr. Rogers stated that he recommended that along with the Authority looking at J. D. Edwards's financial report that the Authority's lead bank should be contacted and have them pull a Dunn and Bradstreet Report on this company.

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

RESOLVED: to accept the recommendation of the ERP evaluation team and CH2M Hill to approve the proposal/contract from J. D. Edwards to provide the software and implementation of the Authority ERP system with a not to exceed amount of two million one hundred thousand dollars (\$2,100,000) contingent upon approval of insurance as required by the specifications and authorize the General Manager to sign the contract document.

There was further discussion concerning the Authority looking at the Dunn and Bradstreet report, annual financial reports and the ownership of J.D. Edwards. Chairman Lane appointed Mr. Rogers as Chairperson along with Mr. Brannan, Mr. Hicks and Mr.

Conort to investigate J. D. Edwards to the satisfaction of Mr. Rogers and report back to the Board. Mr. Lane stated that the contract with J. D. Edwards would be executed if the committee were satisfied.

Property and Casualty Insurance Recommendation: Chairman Lane called on Terry Hicks, Deputy Manager, to discuss the Property and Casualty Insurance Recommendation. Mr. Joiner stated that he is going to refrain from discussion and abstain from the vote due to the fact that he has family members who are associated with Starr Insurance Agency. Mr. Hicks stated that at the suggestion of the Authority's Risk Management Consultant, based on market indicators, the Authority has elected to go back out this year to bid for our Property & Casualty Insurance. Mr. Hicks stated that the way this is handled by the Authority is to pre-qualify the brokers. Mr. Hicks gave the Board information on the process used by the Authority to pre-qualify brokers. Mr. Hicks stated that six brokers submitted pre-qualification packets to the Authority. Mr. Hicks stated that Authority employees in conjunction with our Risk Management Consultant reviewed the pre-qualification packets. Mr. Hicks stated that he is recommending the Board allow all six of the following brokers/agents, Hilb, Rogal & Hamilton Company, who is one of our current agents, Reese Insurance Associates, Inc., who is one of our current agents, Terrell Starr Insurance Agency, Inc., J. Smith Lanier & Company, Saville & Associates, Inc., and Hamilton Dorsey Alston

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Company, be allowed to propose on the Property and Casualty Insurance. Mr. Hicks stated that these proposals would be brought back to the Board at the March Board meeting. Mr. Hicks stated that this all has to be in place in time to have a May first effective date.

Upon Motion by Pete McQueen and seconded by Lindy Rogers it was unanimously

RESOLVED: to approve brokers/agents, Hilb, Rogal & Hamilton Company, Reese Insurance Associates, Inc., Terrell Starr Insurance Agency, Inc., J. Smith Lanier & Company, Seville & Associates and Hamilton Dorsey Alston Company, be allowed to propose on the Property and Casualty Insurance for the Authority, this motion passed with the Chairman voting in the affirmative and Mr. Joiner abstaining from the vote

Hooper Boring Proposal: Chairman Lane called on Herbert Etheridge, Manager of Maintenance & Construction, who distributed copies of the following information titled CCWA Proposal for 36" Road Bore 16" Steel Main Replacement. Mr. Etheridge stated that this information and proposal is part of the process of designing the first of four phases to replace the 16" steel water main that comes from the W.J. Hooper WPP up to the Morrow pumping station. Mr. Etheridge discussed the following information.

Clayton County Water Authority
Proposed for 36" Road Bore
16" Steel Main Replacement

We are in the process of completing the plans and bidding a project to replace the 16" steel water main from the Hooper Plant. This job would include a 120' – 36" diameter road bore at the S.R. 138/S.R. 42 intersection. A developer has recently begun construction on this corner lot and has given us a 2-3 week window to install this bore. If this window were missed we would be required to install an additional 180' bore across this intersection at a cost of approximately \$60,000.

We have Atlanta Boring and Tunneling under contract on 2 bores and they have issued a quote to install this bore for \$16,800 (\$140 per foot). We have insurance information on this contractor and recommend that Atlanta Boring and Tunneling be awarded this contract to expedite the process and allow the Bore to be installed in the time frame set forth by the developer.

Quote from Atlanta Boring and Tunneling	\$140.00 per foot
Tom Davidson verbal quote	\$200.00 per foot
Don Hall verbal quote	\$160.00 per foot

We had 2 – 36" bores on the Morrow Road project that bid for \$240.00 per foot and 3 - 36" bores on the Southlake Parkway project that bid for an average of \$210.00 per foot.

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Upon Motion by Pete McQueen and seconded by Marie Barber it was unanimously

RESOLVED: to approve the quote from Atlanta Boring and Tunneling of sixteen thousand eight hundred dollars \$16,800.00 (\$140.00 per foot) to install 120' of 36" diameter casing at the S.R. 138/S.R. 42 intersection and to authorize the General Manager to sign the contract document.

Mr. Etheridge distributed copies of the Leak Detection Monthly Report for December and discussed the information in the report. Mr. Etheridge stated that there were nine (9) leaks found and repaired in the month of December. Mr. Etheridge stated that these leaks had the potential of being two hundred sixty one thousand seven hundred forty eight dollars and eighty cents (\$261,748.80) per year in water loss. Mr. Etheridge stated that for the year 2000 there were 48 leaks found and repaired with the potential of being one million four hundred sixty five thousand eight hundred ninety eight dollars and forty cents (\$1,465,898.40) of recovered water loss to the Authority. Mr. Etheridge and Mr. Brannan gave the Board information on how the Authority's employees, in different departments,

shared information and worked together as a team in resolving a water line break emergency. Mr. Etheridge also gave the Board information on the dedication of the employees and Foreman in his department in coming out on a holiday, News Year Day, to find and repair this water line break. Mr. Brannan stated that this is something that you cannot pay people to do. They do it because they want to and it shows the professionalism of the Authority employees.

Fifth Runway Construction Update: Chairman Lane called on Herbert Etheridge, Manager of Maintenance & Construction, who brought the Board up to date on the status of the impact of the fifth runway to the Authority's water system. Mr. Etheridge stated that the fifth runway and the impact to the Authority's water system are being done in two phases. Mr. Etheridge showed on a map the location of the area of the first phase, which is located in the area of Interstate 285, Riverdale Road and Sullivan Road. Mr. Etheridge gave an informational slide presentation of the following information titled Hartsfield International Airport Impact of Proposed Fifth Runway on the CCWA Water System.

**Hartsfield International Airport
Impact of Proposed Fifty Runway on the CCWA Water System**

**Phase I
North of I – 285**

Pipe Size	Material	Footage
3/4"	Copper	4,239'
1"	Copper	729'
2"	P.V.C.	302'
2"	Galvanized	6,609'
6"	D.I.P.	2,480'

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6"	Cast Iron	8,015'
8"	D.I.P.	2,532'
12"	D.I.P	3,434'
12"	Steel	400'
TOTAL		28,740'

Meter Size	Water Only Billing	Water & Sewer Billing	Total Count of Meter Size
5/8"	86	70	156
3/4"	0	1	1
1"	1	26	27
1 1/2"	1	8	9
2"	0	1	1
3"	1	2	3

6"	0	1	1
Total	89	109	198

*Hydrants	21
*Fire Connections	2
*Valves	70

Total Cost of Water Installation
\$378,712.00

Mr. Etheridge stated that phase two is still being environmentally assessed and has not been approved. Mr. Etheridge gave an informational slide presentation of the following information concerning the impact that phase two will have on the Authority's water system.

Phase II
South of I – 285

Pipe Size	Material	Footage
¾"	Copper	4,482'
1"	Copper	513'
2"	Galvanized	4,959'
6"	D.I.P	450'
6"	Cast Iron	3,816'
8"	D.I.P	4,032'
8"	Cast Iron	10,309'
10"	D.I.P	18'
12"	D.I.P	7,650'
12"	Steel	380'
TOTAL		36,609'

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Meter Size	Water Only Billing	Water & Sewer Billing	Total Count Of Meter Size
5/8"	36	124	160
3/4"	1	5	6
1"	3	16	19
1 1/2"	6	8	14
2"	2	9	11
3"	0	2	2
Total	48	164	212

*Hydrants

*Fire Connections 24
 *Valves 131

● **Total Cost of Water Installation**
\$640,159.00

Total Impact to System

Total Footage of Pipe 63,349'
 Meters 410
 Fire Connections 26
 Hydrants 61
 Valves 201

Installation Cost \$1,018,871,88

There was discussion with questions concerning this information. Mr. Etheridge and Mr. Brannan answered questions and gave additional information.

Galvanized Pipe Replacement Program Update: Chairman Lane called on Herbert Etheridge, Manager of Maintenance & Construction, who distributed copies of the following information and gave an informational slide presentation concerning the Authority's Galvanized Pipe Replacement Program.

Clayton County Water Authority
2" Galvanized Funds

2" REPLACEMENTS COMPLETED

Location	Services	Footage	Cost	Per Foot	Completed	BY	Funded by
Johnson Rd.	17	1,728	\$32,666.00	\$18.90	11/01/99	CCWA	Revenue
Windgate Ct.	7	198	\$11,721.00	\$59.19	12/01/99	CCWA	Revenue
Daley Ct.	5	342	\$13,038.00	\$38.12	12/01/99	CCWA	Revenue
Clover Ct.	3	216	\$9,731.00	\$45.05	01/01/00	CCWA	Revenue
Ovis Ct.	5	180	\$9,390.00	\$52.17	02/01/00	CCWA	Revenue

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Southwoods S/D	40	2,340	\$98,803.00	\$42.22	06/01/00	M. Jones	2000 Bond
Haines Dr.	9	630	\$18,682.67	\$29.66	10/01/00	CCWA	2000 Bond
Elizabeth Park Ct.	22	414	\$19,818.05	\$47.87	09/20/00	CCWA	2000 Bond
Jesters Lake S/D	77	5,292	\$207,064.05	\$39.12	07/01/00	M. Jones	2000 Bond
Murrays Lake Cir.	49	4,590	\$172,525.00	\$37.59	09/25/00	M. Jones	2000 Bond
Old Toney Rd. S/D	39	2,916	\$106,512.00	\$36.53	11/01/00	M. Jones	2000 Bond
Charles Dr.	10	414	\$13,876.09	\$33.52	10/20/00	CCWA	2000 Bond
TOTALS	283	19,260	\$713,826.86	\$37.06			

FY 2000 PROJECT RECAP

AMOUNT	SOURCE	JOB#	LOCATION JOB NAME	Estimated Cost	Actual Cost
\$109,120.72	Revenue – FY 2000				
		615-1-3174	Johnson Rd.	\$40,393.00	\$32,666.00
		615-1-3185	Windgate Ct.	\$17,101.00	\$11,721.00
		615-1-3186	Daley Ct.	\$19,275.00	\$13,038.00
		615-1-3188	Clover Ct.	\$16,663.00	\$9,731.00
		615-1-3187	Ovis Ct.	\$15,686.00	\$9,390.00
			TOTAL	\$109,118.00	\$76,546.00
UNDER ESTIMATE – FY 2000				\$32,572.00	

FY 2001 PROJECT RECAP

AMOUNT	SOURCE	JOB#	Location – Job Name	Estimated Cost	Actual Cost	Remaining Funds
\$498,000.00	2000 Bond – FY 01		Replacements			\$498,000.00
\$265,000.00	2000 Bond – FY 01		Flint River Rd. Transferred			\$763,000.00
		615-1-3199	Southwoods S/D	\$109,091.00	\$102,179.00	\$660,821.00
		615-1-3218	Haines Dr.	\$20,193.00	\$18,683.00	\$642,138.00
		615-1-3219	Elizabeth Pk. Ct.	\$26,700.00	\$19,818.00	\$622,320.00
		615-1-3206	Jesters Lake S/D	\$230,986.00	\$207,064.00	\$415,256.00
		615-1-3220	Murrays Lk Cr.	\$189,500.00	\$172,525.00	\$242,731.00
		615-1-3258	Old Toney Rd.	\$124,999.00	\$106,512.00	\$136,219.00
		615-1-3264	Charles Dr.	\$22,467.00	\$13,876.00	\$122,343.00
				\$723,936.00	\$640,657.00	

PROPOSED PROJECTS

VESTA WAY 700' 14 SERVICES
ALICE STREET 650' 09 SERVICES
ELLEN STREET 410' 09 SERVICES
ARDEN COURT 460' 12 SERVICES
MANOR PLACE 200' 05 SERVICES

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Mr. Etheridge stated that this work is being done by a combination of Authority employees and contractors. There was discussion concerning this information.

Chairman Lane gave the Board information on the intelligent way that Mr. Etheridge handled a situation where one of his employees did not properly complete a job. Ms. Barber

thanked Mr. Etheridge for doing a good job with a sewer backup on Old Toney Road.

Shoal Creek Expansion and Permitting Update: Chairman Lane called on Mike Thomas, Program Manager who stated that he would like to bring the Board up to date on the Authority's Shoal Creek project including the plant expansion and the wetlands. Mr. Thomas showed on a map the Shoal Creek service area, which is south of Highway 54 and west of Highway 19 & 41 and includes part of the Lovejoy area. Mr. Thomas distributed the following information titled Shoal Creek Water Reclamation Project Update. Mr. Thomas discussed the information in this handout along with an informational slide presentation. There was discussion concerning this information and the permitting process. Mr. Thomas gave the Board additional information concerning the permitting process. Mr. Thomas gave the Board information concerning the public hearing conducted by the Authority to give property owners, in the area of the planned constructed wetlands, information about what the Authority is planning to do. Mr. Thomas stated that the comments from the public concerning the planned constructed wetlands have been positive. Mr. Thomas stated that the wetlands design is about 50% complete and the Authority plans to begin construction sometime this summer. Mr. Thomas stated that the Authority would wait until the permit has been issued before starting the wetlands project. There was additional discussion concerning this information.

SHOAL CREEK WATER RECLAMATION PROJECT UPDATE

This project involves the construction of an upgraded and expanded Shoal Creek Water Reclamation Facility, constructed wetlands, force mains, pumping stations and permitting the new discharge. The treatment plant will be expanded from 2.1 mgd to 4.4 mgd and upgraded to a higher level of treatment to accommodate the discharge to constructed wetlands. We have completed approximately 50 – 60 % of the permitting process in order to gain approval to discharge from the constructed wetlands to the Shoal Creek Reservoir or Flint River. Design of the wetlands is approximately 50% complete and scheduled to go into construction sometime in the summer of 2001.

WRF Expansion Summary:

- Construction scheduled to begin January 15, 2001
- Construction Cost Estimate - \$14,633,973
 - Projected Change Order has been identified that will lower cost by \$136,000
- EPD is reviewing the construction plans but cannot issue final approval until a permit is issued

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Permitting Summary

- EPD has approved our waste load allocation (WLA) request – this provides proposed permit limits for our discharge and essentially provides EPD’s concurrence that this project is technically feasible
- We have submitted all preliminary permitting documents for EPD’s review including an Environmental Information Document, antidegradation analysis (says land application is not preferred) and Design Development Report
- Our next step is to submit a permit application once public comments from our December public meeting and the ARC DRI are summarized
- Following our submittal of the permit application, EPD will issue a draft permit and a public notice regarding the permit
- It may still be June before a final permit is issued

Project Managers:

- WRF Construction - Robert & Co.; Mike Buffington, Cliff Beronet, CCWA

Wetlands Permitting & Design – CH2M Hill; Mike Thomas, CCWA

Chairman Lane invited Board members to go and observe the progress of the Shoal Creek WRF expansion and Wetlands planning session.

W.B. Casey WRF Design Update: Chairman Lane called on Mike Buffington, Program Manager, who stated that the largest single project in the Authority’s Water Resources Initiative 2000 is the W.B. Casey Water Reclamation Facility. Mr. Buffington distributed the following information titled W.B. Casey Water Reclamation Facility and discussed this information along with an informational slide presentation.

W. B. CASEY WATER RECLAMATION FACILITY

Project includes new 24 MGD plant, located on Flint River Road, to replace existing Casey plant (liquid portion) and Jackson plant; new Casey raw waste pump station; new Jackson raw waste pump station and force main; and new transfer pump station. Effluent will be pumped to Huie site for further treatment on constructed wetlands and conventional land treatment. Existing solids handling facility will remain in operation.

Project Summary:

- Design Development Complete – February 1, 2001

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- Construction Cost Estimate - **\$61Million** (Includes 15 Percent Contingency)
- Construction Documents Complete – June 1, 2001
- Advertise for Bids and Start Construction – Early 2002
- Plant Complete and in Service – Late 2004
- Funding (Design and Construction Documents) – Series 2000 Bond Issue

Project Managers:

- CH2M Hill, Engineers – Jim Hawley
- Clayton County Water Authority – Mike Buffington

Mr. Buffington introduced employees from CH2M Hill, Jim Hawley, Casey Project Manager, Lee Davis, Design Team Manager, Wayne Murphy, Lead Civil Engineer for the Casey project as well as other Authority projects. Mr. Buffington stated that these gentlemen are going to give a slide presentation with more details on the design of the W.B. Casey WRF. These three gentlemen from CH2M Hill gave an information slide presentation showing slides of the site location, planned building design and planned wastewater treatment facility and how this treatment facility will work. They also showed how CH2M Hill uses three-dimensional design or modeling in this design process. There was discussion with questions and answers concerning the future expansion of the W.B. Casey WRF.

Mr. Brannan gave the Board information concerning the future bond issues needed to finance the Authority's future construction in 2002. Mr. Brannan stated that the Authority's personnel are looking at the bond market to see if it is better to have one bond issue for the total amount needed or have two bond issues over the next two years. Mr. Brannan stated that after the Authority's personnel analyzes the bond issue information that he will bring options concerning the bond issue back to the Board. There was discussion concerning this information.

Additions to Administration Building Update: Chairman Lane called on Mike Buffington, Program Manager, who distributed the following information titled Additions to Administration Building and discussed this information. There was discussion concerning this information and the previous construction cost of the Authority administration building as it is now. There was also discussion concerning the cost per square foot of the planned additions to the administration building.

ADDITIONS TO ADMINISTRATION BUILDING

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Project includes new addition to the Administration Building and work in existing lobby to address security concerns. New addition will be approximately 10,000 square feet and will include basement, and first and second floor additions.

Project Summary:

- Design and Construction Documents Complete - December 19, 2000
- Construction Cost Estimate - **\$1,860,000** (Includes Ten Percent Contingency)
- Advertise for Bids for Construction – January 5, 2001
- Pre-Bid Meeting with Contractors – January 17, 2001
- Open Bids – January 30, 2001
- Award Contract for Construction – February 1, 2001
- Start Construction – April 1, 2001 (Approximate)
- Complete Construction – April 1, 2002 (Approximate)
- Funding – R & E Funds

Project Managers:

- Manley, Spangler and Smith, Architects – Lucian Tatum
- Clayton County Water Authority – Mike Buffington

Conservation Rate Discussion: Chairman Lane called on Wade Brannan, General Manager, who stated that the Authority has been looking at ways to discourage or reduce water use under certain circumstances. Mr. Brannan stated that one of the things that the Authority is looking at is a seasonal adjustment or reduced rate for customers who use less than 3,000 gallons of water per month. Mr. Brannan stated that basically this would be a structured pricing index to try and encourage people to use less water. Mr. Brannan stated that he is bringing this to the Board in order to get feedback from the Board concerning this information.

Chairman Lane distributed copies of the Final Report of the Clean Water Initiative, November 2000. Mr. Lane stated that this document is very important and requested that Board members spend as much time as possible reading and studying the Clean Water Initiative. Mr. Lane discussed with the Board the importance of this document and the information that is in the Clean Water Initiative document. Mr. Lane stated that conservation

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is one of the important issues discussed in this document. Mr. Lane stated that the Authority does a lot of things under the title of conservation but we do not reward our customers for using less water. Mr. Lane stated that the Authority has nine thousand accounts that use 3,000 gallons or less per month of water and if the Authority did not raise their rates it would cost the Authority four hundred fifty thousand dollars (\$450,000) per year. Mr. Lane stated that he is in favor of and would like for the Board to consider having some type of conservation program in our system. There was discussion concerning this information.

Chairman Lane gave the Board information on the dates and times that a program titled The Power of Water will be televised on the Atlanta station of Georgia Public Television. Mr. Lane encouraged Board members to watch this program.

Chairman Lane gave the Board information concerning Mr. Brannan and Mr. Thomas going to the Clayton County Commissioners meeting to give a presentation on the Authority's Master Plan 2000 Update.

Mr. Brannan stated that he would like to give the Board information on the Authority's computer system. Mr. Brannan stated that the Authority employees that are located at outlying plants have a problem with delays when they try to dial into the Authority's computer system. Mr. Brannan stated that this is going to require the Authority to improve the Citrix Server Configuration. Mr. Brannan stated that the cost to address and resolve this issue would be about eighteen to nineteen thousand dollars (\$18,000 to \$19,000). Mr. Brannan stated that he wanted to make the Board aware of this situation and cost before he spent this amount of money.

Mr. Brannan stated that he discussed professional liability insurance at last months' Board meeting. Mr. Brannan stated that additional profession liability insurance was recommended by the Authority's Risk Management Consultant because of the one hundred eighty million dollars (\$180,000,000.) of work the Authority is planning over the next five years. Mr. Brannan stated that CH2M Hill carries a ten million dollar (\$10,000,000) policy. Mr. Brannan stated that the Authority has been talking with our Risk Management Consultant about the Authority caring additional insurance above what CH2M Hill carries in the amount of twenty million dollars (\$20,000,000). Mr. Brannan stated that this additional insurance would be to cover the Authority if for any reason the amount of insurance that CH2M Hill carries should not be enough. Mr. Brannan stated that the cost to the Authority for this policy, which would have to be paid in advance, would be one hundred fifty six thousand dollars (\$156,000). Mr. Brannan stated that this would equal a little over thirty thousand dollars (\$30,000) per year over five years. Mr. Brannan stated that he hopes to have additional information, for the Boards approval, within the next thirty days. There was

discussion concerning this information.

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Mr. Hicks stated that he wants to be sure that the Board is aware that the ERP recommendation was for software only. Mr. Hicks stated that the required hardware is in the design process at this time.

Chairman Lane stated that he would entertain a motion for the Board to go into executive session to discuss acquisition of land.

Upon Motion by Marie Barber and seconded by Lindy Rogers it was unanimously

RESOLVED: that the Board adjourns into executive session and the Board reserves the right to return to the open session.

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

Mr. Fincher distributed copies of the new Ethics Law that was adopted by the Clayton County Board of Commissioners effective December 5, 2000. Mr. Fincher gave the Board information concerning this new Ethics Law and how it applies to the Authority's Board members. Mr. Fincher also gave the Board information on a disclosure form that Board members must fill out and file before January 31 of each year. Mr. Fincher stated that this form discloses all business transactions that Board members or their family members had with the county in the proceeding annual period. There was discussion concerning this information.

There was discussion concerning the Authority's rate increase as it relates to the Clayton County Commissioners.

Chairman Lane stated that he would entertain a motion to adjourn the meeting.

Upon Motion by Lloyd Joiner and seconded by Lindy Rogers it was unanimously

RESOLVED: That the regular Board meeting be adjourned.

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

Joe T. Lane, Chairman

H. Lindy Rogers, Secretary/Treasurer