

- 4. Consideration and approval of staff's recommendation to implement the proposed grade changes and resulting salary adjustments for the Fayette County Water System as prepared by the Carl Vinson Institute of Government at the University of Georgia. This item was tabled at the June 28, 2018 Board of Commissioners meeting.**

Human Resources Director Lewis Patterson briefed the Board on staff's recommendation to implement the proposed grade changes and resulting salary adjustments for the Fayette County Water System as prepared by the Carl Vinson Institute of Government at the University of Georgia. This item was tabled at the June 28, 2018 Board of Commissioners meeting.

County Attorney Dennis Davenport outlined for the Board his findings regarding the procedures staff took in comprising proposed grade changes and resulting salary adjustments for the Fayette County Water System, and noted that staff acted in accord with Board direction.

Commissioner Oddo motioned to approve staff's recommendation to implement the proposed grade changes and resulting salary adjustments for the Fayette County Water System as prepared by the Carl Vinson Institute of Government at the University of Georgia. This item was tabled at the June 28, 2018 Board of Commissioners meeting. Vice Chairman seconded. The motion passed 3-2, with Commissioner Brown and Commissioner Rousseau voting in opposition.

NEW BUSINESS:

- 5. Discussion regarding support of an additional judgeship (5th) for the Griffin Judicial Circuit.**

Chairman Maxwell motioned to compose a letter in support of an additional judgeship (5th) for the Griffin Judicial Circuit. Commissioner Oddo seconded. The motion passed 4-0-1, with Commissioner Rousseau abstaining.

- 6. Consideration of approval to replace three Sheriff vehicles deemed total losses and provide funding of \$39,281 from Insurance proceeds, \$125,899 from the Vehicle Replacement Fund, and \$19,104 from the 2017 SPLOST Public Safety Radio System project for total funding of \$184,284.**

Commissioner Oddo motion to approve to replace three Sheriff vehicles deemed total losses and provide funding of \$39,281 from Insurance proceeds, \$125,899 from the Vehicle Replacement Fund, and \$19,104 from the 2017 SPLOST Public Safety Radio System project for total funding of \$184,284. Commissioner Brown seconded. The motion passed 5-0.

- 7. Consideration of staff's recommendation to award invitation to Bid #1517-B for water treatment chemicals to American Development Corp., Brenntag Mid-South, Inc., Chemtrade Chemicals, and Thatcher Chemical for a total not-to-exceed amount of \$263,302.00.**

Commissioner Oddo moved to approve staff's recommendation to award invitation to Bid #1517-B for water treatment chemicals to American Development Corp., Brenntag Mid-South, Inc., Chemtrade Chemicals, and Thatcher Chemical for a total not-to-exceed amount of \$263,302.00. Commissioner Brown seconded. The motion passed 5-0.

- 8. Consideration of staff's recommendation to award Contract #1524-S to Ixom Watercare, Inc. for a water intake system, in the amount of \$950,000.00 for the initial year and \$25,000.00 annually after the first year.**

Commissioner Brown moved to approve staff's recommendation to award Contract #1524-S to Ixom Watercare, Inc. for a water intake system, in the amount of \$950,000.00 for the initial year and \$25,000.00 annually after the first year. Commissioner Oddo seconded. The motion passed 4-0, with Chairman Maxwell in opposition.

The Board recessed at 8:42 p.m.
The Board reconvened at 8:55 p.m.

9. Consideration of the approval to purchase Gradall XL4100V Hydraulic Excavator from Tractor & Equipment Company in the amount of \$379,000.

Commissioner Brown moved to approve to purchase Gradall XL4100V Hydraulic Excavator from Tractor & Equipment Company in the amount of \$379,000, and to list the existing Gradall (asset #11451) on GovDeals for \$25,000. Vice Chairman Ognio seconded. The motion passed 5-0

10. Discussion of changes to address the location and surface of parking.

Commissioner Rousseau moved to have staff and County Attorney to review ordinance regarding parking on the lawn, specifically pertaining to subdivisions that don't have HOA. Commissioner Brown seconded. The motion passed 3-2, with Commissioner Oddo and Chairman voting opposition.

Yvonne Smith and John Keaton made public Comments.

PUBLIC COMMENT:

Roy Bishop and Tom Waller made public Comments

ADMINISTRATOR'S REPORTS:

- A. #1119-B: Water Chemicals – Renewal #2
- B. #1318-B: Water Distribution Parts Annual Contract – Renewal #1
- C. #1463-A: Grass Mowing Services
- D. #1486-A: Dust Control Service

ATTORNEY'S REPORTS:

Notice of Executive Session: County Attorney Dennis Davenport stated that there were six items for Executive Session one item involving threatening litigation, two items involving pending litigation, two items involving real estate acquisition and the review of the Executive Session minutes for June 28, 2018.

COMMISSIONERS' REPORTS:

Commissioners Rousseau, Oddo, Brown, Vice- Chairman Ognio and Chairman Maxwell made comments.

EXECUTIVE SESSION:

One item involving threatening litigation, two items involving pending litigation, two items involving real estate acquisition and the review of the Executive Session minutes for June 28, 2018. Commissioner Brown moved to go into

In accordance with the Americans With Disabilities Act, accommodations are available for those who are hearing impaired and/or in need of a wheelchair. The Board of Commissioners Agenda and supporting material for each item is available on-line through the County's website at www.fayettecountyga.gov. This meeting will be telecast on Comcast Cable Channel 23 and on the internet at www.livestream.com.

COUNTY AGENDA REQUEST

Department:	<input type="text" value="Fayette County Water System"/>	Presenter(s):	<input type="text" value="Lee Pope, Director"/>
Meeting Date:	<input type="text" value="Thursday, July 26, 2018"/>	Type of Request:	<input type="text" value="New Business Item #8"/>

Wording for the Agenda:

Consideration of staff's recommendation to award Contract #1524-S to Ixom Watercare, Inc. for a water intake system, in the amount of \$950,000.00 for the initial year and \$25,000.00 annually after the first year.

Background/History/Details:

These selectors will allow the water system to withdraw the best quality of raw water for treatment which will minimize chemical cost and improve over all water quality.

Ixom Water Selector is a new intake system developed for raw water intakes. This system attaches to the the raw water intake, it is retrofitted over the existing gate. It monitors the water quality in one foot increments all the way down to the bottom of the reservoir. It automatically continues to monitor and data log the water quality and makes a decision on what level the best quality of water to bring into the cell or the wet well to be pumped to the water plant which will minimize our use of chemicals in the treatment of water.

Currently at the Lake McIntosh intake structure and the Lake Horton intake structure we have the typical three gates. This system will attach to our structure, measure the water quality of each of twelve gates and the gate with the best water quality will open to feed to the water plant.

What action are you seeking from the Board of Commissioners?

Approval to award Contract #1524-S to Ixom Watercare, Inc. for a water intake system, in the amount of \$950,000.00 for the initial year and \$25,000.00 annually after the first year.

If this item requires funding, please describe:

Funded in the 2019 CIP budget in the amount of \$950,000.00.

Has this request been considered within the past two years?	<input type="text" value="No"/>	If so, when?	<input type="text"/>
Is Audio-Visual Equipment Required for this Request?*	<input type="text" value="No"/>	Backup Provided with Request?	<input type="text" value="Yes"/>

*** All audio-visual material must be submitted to the County Clerk's Office no later than 48 hours prior to the meeting. It is also your department's responsibility to ensure all third-party audio-visual material is submitted at least 48 hours in advance.**

Approved by Finance	<input type="text" value="Yes"/>	Reviewed by Legal	<input type="text"/>
Approved by Purchasing	<input type="text" value="Yes"/>	County Clerk's Approval	<input type="text"/>
Administrator's Approval	<input type="text"/>		

Staff Notes:



Purchasing Department
140 Stonewall Avenue West, Ste 204
Fayetteville, GA 30214
Phone: 770-305-5420
www.fayettecountyga.gov

To: Steve Rapson

From: Ted L. Burgess

Date: July 26, 2018

Subject: Contract #1524-S: Ixom Water Selector

The Water System's Fiscal Year 2019 budget includes Capital Improvement Projects for water selector systems at Lake McIntosh and Lake Horton. Such a system will reduce the possibility of turbidity (suspended or dissolved particles) occurring in the water drawn from the lakes for treatment. This will help prevent taste and odor issues, as well as potential presence of manganese (affects color, odor, and taste).

Stratification – sudden changes in water quality from one depth to the next – occurs naturally in water reservoirs, often caused by different water temperatures at different depths. Ixom Watercare, Inc. has developed a system that is specifically designed to address this challenge. A main piece of equipment in the system is an automated water intake selector. The proposed design for Lake McIntosh and Lake Horton is an intake selector with 12 gates, which will provide water from different depths. The gates can be remotely opened or closed, depending on which level has the preferred water quality at any given time.

Ixom Watercare has provided a letter stating that they are the only source of this type of system, without having to incur significant additional costs to modify an existing reservoir intake structure (attached). The Purchasing Department did a considerable amount of research, and did not identify another available source for this type of solution.

The Water System recommends award of a contract to Ixom Watercare, Inc. to install a water intake system at the two lakes. Since the county has not contracted with them in the past, a Contractor Performance Evaluation is not provided.

Specifics of the proposed contract are as follows:

Contract Name 1524-S: Ixom Water Selector
Type of Contract Water Intake System Installation & Maintenance
Vendor Ixom Watercare, Inc.

Contract Price:
 Lake McIntosh \$500,000.00 One-Time Cost
 Lake Horton 450,000.00 One-Time Cost
 Service Agreement NA No Charge in First Year
 Total First-Year Cost \$950,000.00

Service Agreement \$25,000.00 Annually after the first year

Budget:

Fund	Project	Budget
507 Water CIP	9WSMC McIntosh	\$500,000.00
507 Water CIP	9WSHT Horton	<u>450,000.00</u>
Total Budget		<u>\$950,000.00</u>



May 7, 2018

Fayette County Water System
c/o Lee Pope, Water System Director
245 McDonough Rd
Fayetteville, Georgia 30214

Re: Water Selector Sole/Single Source Qualification

Dear Mr. Pope,

This letter is provided to confirm that the Water Selector technology and all related equipment and services are sole source products. The Water Selector is designed, manufactured, sold and distributed exclusively by Ixom Watercare, Inc. (Ixom).

Ixom maintains all intellectual property rights for its products and these products must be purchased from Ixom or its authorized representative.

The Water Selector is designed to provide reservoir surface water users the ability to continuously monitor raw water quality and to select preferred water for withdrawal.

Ixom warrants that no other products are available for purchase that would serve the same purpose or function. The only known means to accomplish the same form, fit and function as that provided for by the Water Selector is to build a new construction intake or replace or significantly modify an existing reservoir intake structure by adding many gates which provide narrow slice withdrawal capabilities accessing the entire depth profile. In addition, whole profile continuous multi-parameter raw water quality sampling and analysis capabilities along with real time algorithm based preferred water assessment and automated gate control would require installation and integration to accomplish the same or similar level of control and benefit. However, Ixom retains priority intellectual property rights to method or system of harvesting raw water at continuous depths, or any depth, or also multiple depths which may be above, below, or between fixed elevation extraction points.

Please feel free to contact me with any questions or clarifications

Sincerely,

A handwritten signature in black ink, appearing to read "K. McCurry", written over a light blue horizontal line.

Kelly McCurry, P.E.
Vice President

Annual Chemical Cost Savings Analysis (Summary)

Assumptions:

- Baseline data from Crosstown Plant March 2017 (with historical references 2014 thru early 2017)
- Estimated reductions based on winter/early spring operations observations from LaGrange, GA Water Selector impact October 2017 to April 2018.
- Annual average plant flow 6.8 MGD (Crosstown basis)
- Chemical unit costs reference Tom Henninger communication March 2017

Chemical Dosed	ppm ¹	Reduction	Year One Savings
Chlorine	4	0%	\$0.00
Alum	32	5%	\$2,955.67
Lime	40	5%	\$2,313.25
Sodium Chlorite	1	0%	\$0.00
Fluoride	1.25	0%	\$0.00
Phosphate	1	0%	\$0.00
Carbon (PAC)	5	60%	\$62,581.65
Permanganate	3	15%	\$10,809.92
			\$78,660.49

Notes:

1. Dose concentrations as reported March 2017

Simple Payback Analysis

Assumptions:

- Price of Water Selector installed at one location is \$475,000
- Annual Chemical Cost escalation 2%
- No consideration for the cost of money
- No consideration for other than chemical cost savings that may be realized
- Water Selectors operational September 2018

	year	1	2	3	4	5	6
	2019	2019	2020	2021	2022	2023	2024
Capital FY19	\$475,000						
Annual Savings		\$58,995 ²	\$80,233	\$81,838	\$83,475	\$85,144	\$86,847
Accumulated Savings		\$58,995	\$139,228	\$221,066	\$304,541	\$389,685	\$476,532

Notes:

2. Nine months of operating benefit based on October 2018 startup

Payback 5.98 years

Breakeven Analysis IXOM Proposal

Projected Cost - Capital Outlay

Description	2019	2020	2021	2022	2023	2024	2025
Lake Horton	450,000						
Lake McIntosh	500,000						
Subtotal Capital	950,000	0	0	0	0	0	0

Projected Cost - Reoccurring

Annual Service	0	25,000	25,000	25,000	25,000	25,000	25,000
Subtotal M & O	25,000	25,000	25,000	25,000	25,000	25,000	25,000

Cost Cumulative	975,000	1,000,000	1,025,000	1,050,000	1,075,000	1,100,000	1,125,000
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Projected Savings

Description	2019	2020	2021	2022	2023	2024	2025
Alum	4,434	6,030	6,150	6,273	6,399	6,527	6,657
Lime	3,470	4,719	4,813	4,910	5,008	5,108	5,210
Carbon	93,872	127,667	130,220	132,824	135,481	138,190	140,954
Permanganate	16,215	22,052	22,493	22,943	23,402	23,870	24,347
Projected Savings	117,991	160,467	163,677	166,950	170,289	173,695	177,169

Savings Cumulative	117,991	278,458	442,135	609,085	779,374	953,070	1,130,239
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Cost Cumulative	857,009	721,542	582,865	440,915	295,626	146,930	(5,239)
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