



**WITHLACOOCHEE
REGIONAL
WATER
SUPPLY
AUTHORITY**

Board Meeting Package

January 18, 2017
3:30 p.m.

Meeting Location:

Lecanto Government Building
Room 166
3600 W. Sovereign Path
Lecanto, Florida 34461

Withlacoochee Regional Water Supply Authority

Board of Directors

Effective February 2016

Office	Board Members
Chair	Vacancy
Vice Chair	The Honorable Nick Nicholson
Treasurer	Vacancy

Jurisdiction	Board Members
Citrus County	The Honorable Scott Carnahan
	The Honorable Jeff Kinnard
Hernando County	Vacancy
	The Honorable Nick Nicholson
Marion County	The Honorable Kathy Bryant
	The Honorable Michelle Stone
	The Honorable Carl Zalak
Sumter County	The Honorable Al Butler
	The Honorable Stephen Printz
City of Belleview	The Honorable Ron Livsey
City of Brooksville	The Honorable William Kemerer
City of Bushnell	The Honorable Dale Swain
City of Crystal River	The Honorable Ken Brown

Meeting Dates

The schedule of meetings for the 2016-2017 fiscal year are as follows:

October 19, 2016	April 19, 2017
November 16, 2016	May 17, 2017
December 21, 2016	June 21, 2017
January 18, 2017	July 19, 2017
February 15, 2017	August 16, 2017
March 15, 2017	September 20, 2017

**MEMORANDUM**

To: Water Supply Authority Board of Directors and Interested Parties

From: Richard S. Owen, Executive Director

Date: January 6, 2017

Subject: Monthly Meeting of the Withlacoochee Regional Water Supply Authority

The next meeting of the Withlacoochee Regional Water Supply Authority will be on **Wednesday, January 18, 2017, 3:30 p.m., at the Lecanto Government Center Building, Room 166, 3600 Sovereign Path, Lecanto, FL 34461.**

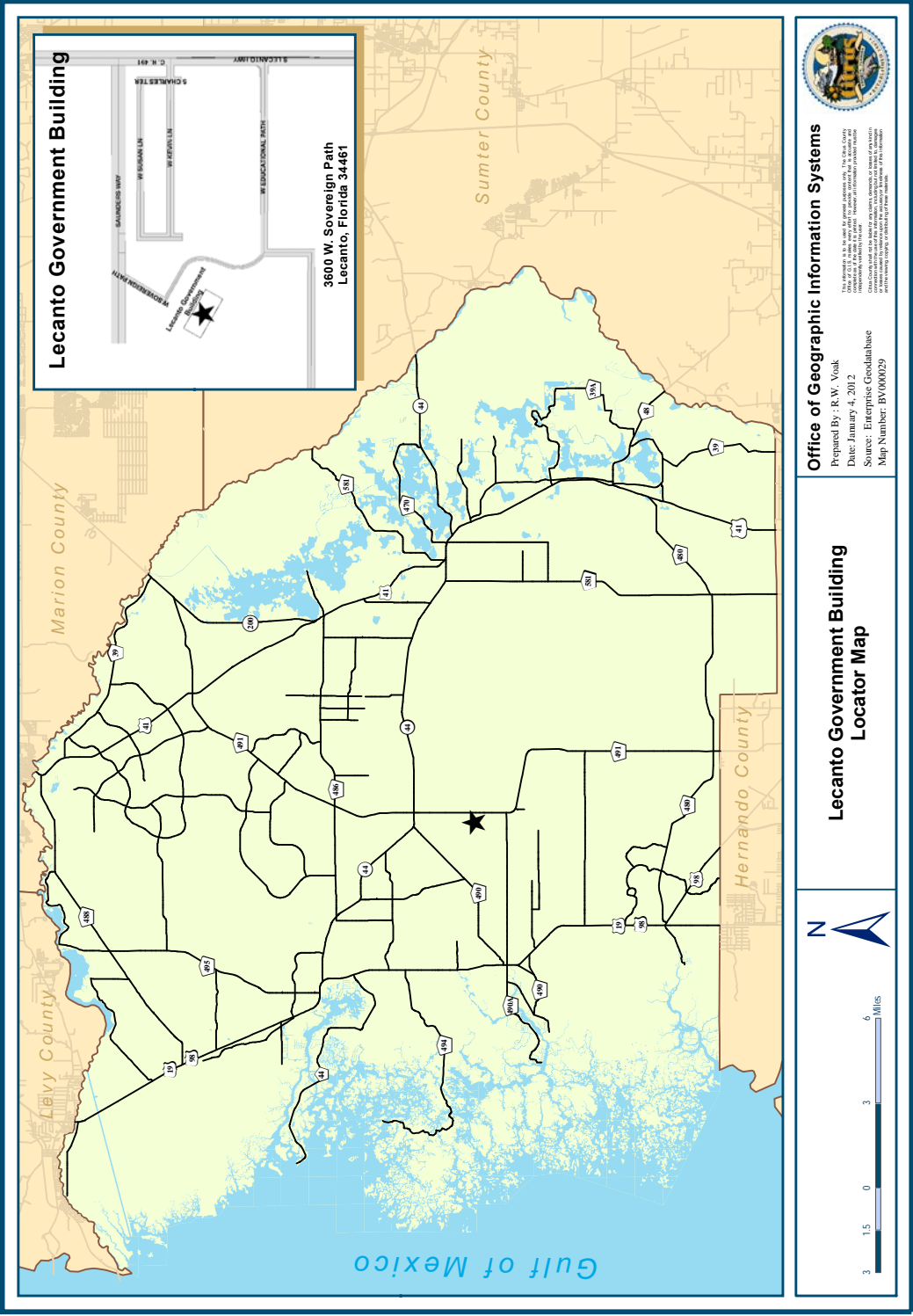
Enclosed for your review are the following items:

- Agenda
- Minutes of the November 16, 2016 meeting
- Board Package*

Please note that if a party decides to appeal any decision made by the Board with respect to any matter considered at the above cited meeting, that party will need a record of the proceedings, and for such purpose, that party may need to ensure that a verbatim record of the proceedings is made, which record includes that testimony and evidence upon which the appeal is to be based.

Enclosures

- * Copies of the Board Package are available through the Internet. Log on to www.wrwsa.org.
- On the Authority's Home Page go to the left side of the page and click on "Meetings."
 - On the slide out menu is a button for the current Board Package.
 - Click on the Board Package to download and/or print.



Driving Directions to 3600 W. Sovereign Path, Lecanto Government Building

From Brooksville:

- Go North on N. Main St. toward S. Broad St./E. Jefferson St.
- Take the 1st Left onto S. Broad St./W. Jefferson St.
- Turn Right onto US 98/Ponce De Leon Blvd.
- Turn Right onto CR 491 toward Lecanto (about 13.5 miles)
- Turn Left on W. Educational Path (traffic signal)
- Turn right at the Park onto W. Sovereign Path; continue to the right to the Lecanto Government Building

From Ocala

- Go southwest on SR 200 into Citrus County
- Turn Right onto CR 491 (stay on 491 through Beverly Hills, crossing Hwy. 486 and SR 44)
- Turn Right on Saunders Way
- Turn Left onto W. Sovereign Path; follow to Lecanto Government Building

From Bushnell

- In Bushnell, Go West on FL-48W
- Turn Right onto US 41; continue to follow US 41 N
- Continue straight onto FL 44 W/W Main St.; continue straight on SR 44
- Turn Left onto CR 491
- Turn Right onto Saunders Way
- Turn Left onto W. Sovereign Path; follow to Lecanto Government Building

From Wildwood

- Go West on SR 44W; continue on SR 44 through Inverness
- Turn Left onto CR 491
- Turn Right onto Saunders Way
- Turn Left onto W. Sovereign Path; follow to Lecanto Government Building.

LGB



**WITHLACOOCHEE REGIONAL WATER SUPPLY AUTHORITY
BOARD OF DIRECTORS MEETING**

A G E N D A

**JANUARY 18, 2017 -- 3:30 p.m.
LECANTO GOVERNMENT BUILDING -- ROOM 166
3600 W. Sovereign Path, Lecanto, Florida 34461**

At the discretion of the Board, items may be taken out of order to accommodate the needs of the Board and the public.

PAGE

1. **Call to Order** . . . Nick Nicholson, Vice-Chairman
2. **Roll Call** . . . Richard Owen, WRWSA Executive Director
3. **Introductions and Announcements** . . . Richard Owen, WRWSA
4. **Approval of Minutes** . . . Nick Nicholson, Vice-Chairman 9
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6. **Recognition of Former Chair Dennis Damato** . . . Nick Nicholson, Vice-Chairman 15
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8. **Crystal River / Kings Bay Minimum Flows and Levels Development** . . . Gabe Herrick, PhD, SWFWMD 21
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13. **Regional Irrigation Audit Program Cooperative Funding Agreement with Marion County** . . . Richard Owen, WRWSA 59
14. **Executive Director's Report** . . . Richard Owen, WRWSA
 - a. **Bills to be Paid** [December bill summary included in packet; January bills provided at the meeting] 65
 - b. **Bank Signature Cards and Resolution** 67
 - c. **Correspondence** 69
 - d. **News Articles** 71
 - e. **Other**
15. **Legislative Report** . . . Diane Salz, WRWSA Governmental Affairs
16. **Attorney's Report** . . . Larry Haag, WRWSA Attorney
17. **Other Business**
18. **Next Meeting**
 - **Consider Canceling February 15, 2017 Meeting**
 - **Next Meeting:** March 15, 2017; 3:30 p.m.; Lecanto Government Building, Room 166
19. **Adjournment**

☞ **WRWSA 40th Anniversary Celebration** ☞
Citrus Cooperative Extension – 5:00 p.m.
3650 W. Sovereign Path, Suite 1, Lecanto, Florida 34461

Please note that if a party decides to appeal any decision made by the Board with respect to any matter considered at the above cited meeting, that party will need a record of the proceedings, and for such purpose, that party may need to ensure that a verbatim record of the proceedings is made, which record includes that testimony and evidence upon which the appeal is to be based.

Item 4

Approval of Minutes

DRAFT

WITHLACOOCHEE REGIONAL WATER SUPPLY AUTHORITY BOARD OF DIRECTORS

Minutes of the Meeting November 16, 2016

TIME: 3:30 p.m.
PLACE: Lecanto Government Building
ADDRESS: 3600 W. Sovereign Path, Room 166, Lecanto, Florida 34461

The numbers preceding the items listed below correspond with the published agenda.

1. Call to Order

In the absence of a chairman and vice-chairman, Senior Member James Adkins, Hernando County Commissioner, was selected to serve as the Acting Chairman for this meeting. He called the Withlacoochee Regional Water Supply Authority (WRWSA) Board of Directors meeting to order at 3:39 p.m. and requested a roll call.

2. Roll Call

Richard Owen, WRWSA Executive Director, called the roll and a quorum was declared present.

BOARD MEMBERS PRESENT

James Adkins, Hernando County Commissioner
Al Butler, Sumter County Commissioner
Scott Carnahan, Citrus County Commissioner
William Kemerer, Brooksville City Councilor
Dale Swain, Bushnell City Councilor
Ken Brown, Crystal River City Councilor

BOARD MEMBERS ABSENT

Nick Nicholson, *Vice Chairman*, Hernando County Commissioner
Earl Arnett, *Treasurer*, Marion Co. Commissioner
Kathy Bryant, Marion County Commissioner
Carl Zalak, Marion County Commissioner
Ron Livsey, Belleview City Commissioner

3. Introductions and Announcements

- *Introductions.* Mr. Owen recognized Authority staff present for this meeting. Audience members introduced themselves for the Board's information.
- *Announcements.* Mr. Owen noted that the Authority is expecting county commissions to formally appoint alternates and/or staff liaisons in the coming weeks.

WRWSA STAFF PRESENT

Richard Owen, Executive Director
Larry Haag, Attorney
Diane Salz, Governmental Affairs
LuAnne Stout, Administrative Asst.

LOCAL GOVERNMENT STAFF PRESENT

Jacob Arnette, Marion County Water Resources Coordinator
Alys Brockway, Hernando County Water Resources Manager
Debra Burden, Citrus County Water Conservation Manager
Melissa Gulvin, SWFWMD Gov't Affairs Program Manager
Gary Loggins, Citrus County Water Resources
Gary Onderdonk, Hernando County Utilities Director
Richard Radack, City of Brooksville Public Works
Lois Ann Sorensen, SWFWMD Water Conservation Manager
Kevin Vickers, Hernando County Utilities

4. Approval of Minutes

A copy of the September 21, 2016 minutes was provided in the Board's meeting materials. Following consideration, **Mr. Butler moved to approve the minutes for the September 21, 2016 meeting as presented. The motion was seconded by Mr. Carnahan and carried unanimously.**

5. Public Comment – No speaker cards were submitted.

6. Hydrologic Conditions

Ms. Lois Ann Sorensen, Demand Management Program Manager at the Southwest Florida Water Management District (SWFWMD), provided the Board with a review of recent past and projected hydrologic conditions in the region. The presentation will be available online at the Authority's website.

Discussion ensued regarding Marion County oversight split between two water management districts, The Villages' oversight by SWFWMD, November tracking to be the driest month on record, water withdrawn for bottling as allowed by permit, actions taken should over pumping occur, state water policy, and water restrictions and enforcement.

This was an information item and no Board action was required.

7. Minimum Flows and Levels

Mr. Owen, WRWSA Executive Director, noted that the St Johns River and Southwest Florida Water Management Districts have recently completed work on establishing proposed minimum flows and levels (MFLs) for Silver Springs and the Rainbow River, respectively. These are important MFLs in the region, helping to define the availability of ground water in portions of the region.

Mr. Owen provided a brief update on the draft proposed MFLs. The work and proposed MFLs will be undergoing scientific peer review, and the districts will be soliciting public input in the coming months. The presentation will be available online at the Authority's website.

This was an information item only and no Board action was required.

8. Charles A. Black Wellfield – Implementation of New Water Supply Contract

Mr. Owen, WRWSA Executive Director, said the Citrus County Board of County Commissioners unanimously approved the new Charles A. Black water supply facilities water supply contract at its October 11, 2016 meeting. With this approval, the new contract provisions go into effect immediately.

A summary of key provisions requiring implementation was provided to each Board member and will be available online at the Authority's website. Mr. Owen reviewed the provisions of the new contract and what can be expected as implementation takes effect.

This was an information item only and no Board action was required.

(Mr. Swain left the meeting at this time.)

9. Executive Director's Report

- a. **Bills to be Paid** – Mr. Owen noted that copies of both October 2016 and November 2016 were provided to Board members at their seats.

Mr. Owen presented the October 2016 bills and requested Board concurrence of payment for administrative invoices in the amount of \$19,393.52 and project invoices in the amount of \$31,318.77. He noted the Citrus County's Water Conservation Program reimbursement was included. **Mr. Butler moved to ratify payment of the October 2016 bills in the total amount of \$50,712.29. The motion was seconded by Mr. Carnahan and carried unanimously.**

Mr. Owen presented the November 2016 bills and requested approval of payment for administrative invoices in the amount of \$14,329.09 and project invoices in the amount of \$61,066.69. He noted that Hernando and Marion Counties' Water Conservation Program reimbursements were included. Following consideration, **Mr. Brown moved for payment of the November 2016 bills in the total amount of \$75,395.78, as presented. The motion was seconded by Mr. Carnahan and carried unanimously.**

- b. **Correspondence** – Items were included in the Board’s meeting materials.
 - *1000 Friends of Florida* – Mr. Owen said that the 1000 Friends of Florida has requested sponsorship of its 2017 webinar. He said he did not consider the request appropriate for this agency and suggested no action be taken. The Board concurred with Mr. Owen.
- c. **News Articles** – News articles of interest were included in the Board’s meeting materials.
 - *Citrus County Utilities* – Mr. Owen said the plaque displayed is from the Environmental Protection Agency to honor Citrus County Utilities as a WaterSense 2016 Partner of the Year. He pointed out pages 62 and 63 in the Board’s meeting materials. Ms. Debra Burden, Citrus County Water Conservation Manager, provided an explanation of the County’s activities being recognized with this honor.
- d. **Other**
 - *1099 Recipient Rebate Programs* – Mr. Owen said that a topic being discussed is some organizations are providing recipients of rebate programs with 1099 forms and they must therefore report the rebate as income. He requested Board authorization that, if the opportunity presents itself, the Authority respond with a letter of support regarding the negative impact this has on potential rebate programs. **Mr. Carnahan moved, seconded by Mr. Brown, to authorize the WRWSA Executive Director, if and when appropriate, participate in a letter opposing irrigation audit programs being taxed by the IRS. The motion carried unanimously.**

10. Legislative Report

- Ms. Salz, WRWSA Governmental Affairs, congratulated former County Commissioners and Board Members Don Hahnfeldt and Stan McLain for election to the Florida House of Representatives.
- a. **Draft Legislative Matrix** – Ms. Salz noted the upcoming interim legislative committee weeks in January and February 2017 to begin bill discussions for action during the 2017 Legislative Session starting March 7.

Ms. Salz reviewed the draft matrix included in the Board’s meeting materials. Items will include reclaimed water and water reuse that may be filed by Representative Simpson who is working with stakeholder groups. Other topics expected to have bills filed include water use permitting, water supply planning, funding for restoration and springs, reuse, and Ms. Salz discussed the potential impacts on this Authority.

Discussion ensued regarding bottled water versus water use permitting, transporting water to another county, water as a commodity and people’s rights, Amendment 1 for land and water conservation, and advocates for change using stakeholders/coalition development for these complex issues. Mr. Owen suggested Ms. Salz continue her involvement with coalitions and stakeholders regarding willingness to begin addressing aforementioned items. Ms. Salz noted that quite often it is a matter of timing and collaboration.

Mr. Adkins called the question regarding approval of the draft legislative matrix with consensus for support of the WRWSA Governmental Affairs liaison’s continuing collaboration with stakeholders. Mr. Carnahan moved, seconded by Mr. Brown, to approve the motion and it carried unanimously.

Mr. Owen reported Governor Scott appointed two new members to the Southwest Florida Water Management District Governing Board representing the northern region. He noted Kelly Rice and Mark Taylor will be considered for senate confirmation during the upcoming session.

- b. **Florida Water Forum** – Ms. Salz reported on the annual forum (September 22-23, 2016) and briefly reviewed the main topics of discussion for the Board’s information.

11. Attorney’s Report – No report at this time.

12. Other Business – None

13. Next Meeting Time and Location

- **Mr. Adkins called the question to cancel the December 21, 2016 monthly meeting. Mr. Carnahan moved, seconded by Mr. Brown, to approve the motion and it carried unanimously.**
- Mr. Adkins announced the next monthly meeting is scheduled for January 18, 2017 at 3:30 p.m. at the Lecanto Government Building, Room 166. Mr. Owen noted the Board will elect officers at the January 2017 meeting.

14. Adjournment

Mr. Adkins adjourned the meeting at 4:54 p.m.

Nick Nicholson, Vice-Chairman

Richard S. Owen, Executive Director

Item 6

Recognition of Former Chair Dennis Damato

RESOLUTION NO. 2017-01

Recognizing

DENNIS DAMATO

BOARD MEMBER OF THE

WITHLACOOCHEE REGIONAL WATER SUPPLY AUTHORITY

WHEREAS, DENNIS DAMATO was first appointed to the Withlacoochee Regional Water Supply Authority (WRWSA) Board of Directors in January 2005; and

WHEREAS, DENNIS DAMATO served the following terms on the WRWSA Board of Directors:

January 2005 - December 2005: Board Member,	January 2011 - December 2011: Vice-Chairman,
January 2006 - December 2006: Board Member,	January 2012 - December 2012: Chairman,
January 2007 - December 2007: Treasurer,	January 2013 - December 2013: Chairman,
January 2008 - December 2008: Vice-Chairman,	January 2014 - December 2014: Board Member,
January 2009 - December 2009: Chairman,	January 2015 - December 2015: Treasurer,
January 2010 - December 2010: Board Member,	January 2016 - November 2016: Chairman; and

WHEREAS, DENNIS DAMATO exemplified the qualities of leadership by helping to set policies of the WRWSA, guiding the organization in the development of programs benefiting its member governments, including water conservation grants and cooperative projects; and

WHEREAS, DENNIS DAMATO was a relentless advocate of regional approaches to water supply planning and development, recognizing the regional nature of ground and surface waters, and the long-term benefits to the citizens of each member government through regional approaches; and

WHEREAS, DENNIS DAMATO helped lead the organization as it successfully developed and entered into a Revised and Restated Interlocal Agreement among the four-county member governments that reflects the many changes that have occurred since the organization's original interlocal agreement was executed in February 1977 and the region's current and future challenges; and

WHEREAS, DENNIS DAMATO has been a tireless advocate for the proper management and protection of the region's water and related natural resources; and

WHEREAS, DENNIS DAMATO has displayed leadership, kindness, openness to varying opinions and a drive for serving the people not only of Citrus County, his home county, but of the four-county WRWSA region; and

WHEREAS, the WRWSA Board of Directors wishes to express by formal written resolution its appreciation of these outstanding contributions, as well as those that are not mentioned, that will long be attributed to **DENNIS DAMATO**.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF THE WITHLACOOCHEE REGIONAL WATER SUPPLY AUTHORITY that this Board honor **DENNIS DAMATO** by adopting this resolution, expressing its appreciation for his commitment to this Authority and to his dedication to public service; and

BE IT FURTHER RESOLVED that this resolution be incorporated into the minutes of this Authority, permanently honoring the service of **DENNIS DAMATO** to this Authority, and that this resolution be presented to him.

PASSED and ADOPTED this eighteenth day of January 2017.

Withlacoochee Regional Water Supply Authority

BY _____
Nick Nicholson, Vice-Chairman

ATTEST _____
Larry Haag, WRWSA Attorney

Election of Officers

The Board of Directors of the WRWSA annually elects its Board officers, including a Chair, Vice Chair and Treasurer at its January meeting. The Executive Director is the Board Secretary who serves in an ex-officio capacity. Pursuant to the Policy governing Election of Officers, included as an exhibit to this item, the Board may entertain nominations for individual officers or a slate of officers. Typically, the current Vice-Chair is nominated to become Chair and the current Treasurer is nominated to become Vice-Chair. The office of Treasurer is customarily filled by a Board member from the county without a representative as an officer in the current slate of officers. This practice is informal and circumstances may warrant nominations and elections to deviate from this practice. Also pursuant to the Board Policy, the current Chair will chair the complete January meeting. The new officers will take their respective seats 24 hours before the next Board meeting.

As a result of the elections in November, the officer positions of Chair and Treasurer are currently vacant but had been filled by Dennis Damato (Citrus County) and Earl Arnett (Marion County). The only current Board officer is Nick Nicholson (Hernando County) sitting as Vice-Chair. Sumter County currently does not have a Board representative as an officer. As additional background information, the following is excerpted from the Authority's Revised and Restated Interlocal Agreement:


SECTION VIII. – Officers: The officers of the Governing Board shall be as follows:

1. A Chairman, who shall preside at meetings of the Governing Board; sign, as authorized by the Governing Board, any contracts or other instruments which are deemed to be in the best interest of the Authority; and perform such other duties incident to the office as may be prescribed by the Governing Board.
2. A Vice Chairman, who shall act in the Chairman's absence. The Vice Chairman shall perform such other functions as the Governing Board may from time to time assign.
3. A Treasurer, who shall be entrusted with the receipt, care and disbursement of Authority funds in accordance with fiscal policies and regulations adopted by the Governing Board.
4. If none of the above officers are present at a Board meeting where there is otherwise a quorum, the Authority Board may elect a chairman pro-tem for the duration of the meeting.

See Exhibit.

Staff Recommendation:

Board election of officers.

BOARD POLICY			
WITHLACOOCHEE REGIONAL WATER SUPPLY AUTHORITY			
TITLE: ELECTION OF BOARD OFFICERS		PAGE: 1 OF 2	
NUMBER 2015-01			
APPROVED BY: 	JIM ADKINS, CHAIR	EFFECTIVE DATE: 01-21-2015	SUPERSEDES: N.A.

The purpose of this Policy is to clarify and facilitate the election process for Board of Directors Officers.

1. Officer Elections

The Board of Directors shall elect officers from its members in the following order:

- Chair
- Vice Chair
- Treasurer

The Executive Director shall serve as the non-voting Secretary for the Board.

2. Schedule for Elections

Election of officers shall occur annually in January. Elections will take place during the beginning of the Board meeting. New officers will assume offices twenty-four (24) hours prior to the next Board meeting.

3. Procedure for Election of Officers

- a. Separate elections shall be held for each office. The Board shall complete all voting on each individual office before proceeding to vote on the next office. Notwithstanding, a nomination for a slate of officers (Chair, Vice Chair and Treasurer) may be made prior to the Chair accepting nominations for the office of Chair.
- b. Nominations for new officers shall be made orally.
- c. When everyone has had a reasonable opportunity to nominate, the Chair will accept a motion to close nominations.
- d. The Chair shall then proceed to put the nomination(s) to vote. If there is only one nomination for an individual office, or a slate of officers (Chair, Vice Chair and Treasurer) is nominated, the Chair shall call for a vote orally. If there is more than one nomination for an office, the Chair shall call for a vote by ballot. Ballots must be signed by each member when voting.
- e. The Executive Director, with the assistance of the General Counsel, shall count the ballots, and the Chair will announce the results.
- f. Elections shall be determined by a majority.
- g. Should no candidate receive a majority on the first ballot, voting will continue with subsequent ballots until one candidate is elected. In the event three or more candidates are on the ballot, the names of all candidates will remain on subsequent ballots.
- h. If a candidate is present and does not decline, or if a candidate is absent but has consented to the candidacy, the candidate is elected. If the candidate is absent, has not consented to be a candidate and does not immediately decline upon being notified, the

BOARD POLICY WITHLACOOCHEE REGIONAL WATER SUPPLY AUTHORITY			
TITLE: ELECTION OF BOARD OFFICERS NUMBER 2015-01		PAGE: 2 OF 2	
APPROVED BY:	JIM ADKINS, CHAIR	EFFECTIVE DATE: 01-21-2015	SUPERSEDES: N.A.

candidate is elected. If a person declines election, there is a failure to elect, and the Board may proceed to continue the election.

- i. Elections will be held in accordance with *Robert's Rules of Order*, except as otherwise specified above.

4. Terms of Office

Board members elected to office will hold office until the next election of officers is held, unless the office is vacated. Officers serve one-year terms. No officer shall serve more than two consecutive terms in the same office.

5. Filling Vacancies

A vacancy in any office shall be filled at the meeting of the Board of Directors at which the vacancy occurs or the next meeting after the vacancy occurs unless delayed to a date certain by action of the Board. In case of disability, resignation, non-reappointment or death of the Chair, the Vice Chair shall become the chair for the remainder of the Chair's term.

6. Practice of Rotating Offices

It is the practice of the Board to rotate offices among the Board representatives from each county, such that three of the four counties comprising the Authority have a representative as an officer (Chair, Vice Chair or Treasurer) of the Board. Typically, the current Vice Chair is nominated to become Chair and the current Treasurer is nominated to become Vice Chair. The office of Treasurer is customarily filled by a Board member from the county without a representative as an officer in the current slate of officers. This practice is informal and circumstances may warrant nominations and elections to deviate from this practice.

AUTHORITY: Chapter 373, Florida Statutes

REFERENCE: Section 286.011, Florida Statutes (Government in the Sunshine Law)
Robert's Rules of Order Newly Revised, Eleventh Edition (2011)

Crystal River / Kings Bay Minimum Flows and Levels Development

Gabe Herrick, PhD., Senior Environmental Scientist with the Southwest Florida Water Management District (SWFWMD), will provide an update on the development of recommended Minimum Flows and Levels (MFLs) for Crystal River / Kings Bay.

MFLs are the point at which further withdrawals of water would cause significant harm to the water resources or ecology of the area. The water management districts are required by Florida Statutes to adopt MFLs for certain water bodies in their respective jurisdictions. In the 2016 legislative session, the Legislature amended these statutes to require MFLs be adopted for “Outstanding Florida Springs” by July 1, 2017. Outstanding Florida Springs were defined to include all first magnitude springs, including their associated spring runs, and certain other named springs. There are several springs in the WRWSA region which fall within the Outstanding Florida Springs definition, including Crystal River / Kings Bay.

MFLs are important to the WRWSA and its member governments because they help to define the availability of ground and surface water for consumptive use. Groundwater withdrawals in the region can potentially have an impact on surface water bodies, such as Crystal River / Kings Bay, and the MFLs adopted by the SWFWMD will ultimately limit the amount of groundwater that can be withdrawn in the springshed. As ground water, the least expensive and most widely used source of water in the WRWSA region, becomes more limited, more expensive alternative water supplies, such as surface water or water from the lower Floridan aquifer, will need to be developed. It is therefore in the best interests of the WRWSA and its member governments to work with the water management districts to ensure the best available information and scientific expertise are used in establishing MFLs. A draft letter of support to express the WRWSA’s position on the establishment of the Crystal River / Kings Bay MFL is included as an exhibit to this item.

Staff Recommendation:

The Board authorize the Executive Director to sign the proposed letter in support of the SWFWMD’s use of the best available information and scientific expertise in establishing MFLs for Crystal River / Kings Bay.

Exhibit -- Crystal River/Kings Bay Minimum Flows and Levels

Re: SWFWMD's proposed MFLs for Crystal River/Kings Bay is an important component of ensuring a sustainable water supply that both protects the water resources which make Florida special while also meeting the water needs of its residents.

The Withlacoochee River Regional Water Supply Authority (WRWSA) is a multi-county water supply planning and development organization. It is comprised of Citrus, Hernando, Marion and Sumter counties and the municipalities within these counties. The WRWSA is statutorily authorized with "developing, recovering, storing, and supplying water for county or municipal purposes in such a manner as will give priority to reducing adverse environmental effects of excessive or improper withdrawals of water from concentrated areas" (373.713(1), Florida Statutes).

Minimum flows and levels (MFLs) are important to the WRWSA, its member governments and other regulated water users in the region because they help to define the availability of ground and surface water for consumptive use. They are one of the tools used by the water management districts in managing and protecting water and related natural resources. The MFL ultimately adopted by the SWFWMD for Crystal River/Kings Bay will limit the amount of ground water that can be withdrawn in the springshed. As ground water, the least expensive and most widely used source of water in the WRWSA region and in Florida, becomes more limited, more expensive alternative water supplies, such as surface water or water from the lower Floridan aquifer, will need to be developed to meet growing water needs. It is therefore critically important the water management districts utilize the best available information and scientific expertise in establishing MFLs.

We believe the SWFWMD is best equipped to establish these MFLs, specifically including the proposed MFLs for Crystal River/Kings Bay. The District has created an establishment process that uses the best available science; subjects the proposals to peer review by independent scientists; makes proposals available to stakeholders, including the public, local, state, and federal agencies/governments for review and comment, and allows multiple opportunities for the public and other stakeholders to give input prior to a decision being made by the District Governing Board.

We all want to preserve, protect and where necessary restore our water and related natural resources of the region. The springs coast is blessed with an abundance of water-related natural resources and those in the public organizations charged with serving the citizenry of the area are all keenly interested in ensuring the long-term integrity of these resources. We want to ensure the decisions made by the water management districts are fact-based, use the best available data and scientific analytical tools, and are conducted in an open, inclusive decision-making process. We believe the SWFWMD is exemplary in following these principles as it implements its statutory responsibility to set MFLs, including those for Crystal River/Kings Bay.

The District's proposed MFLs for Crystal River/Kings Bay protects 88% of the natural flow, allowing for up to a 12% flow reduction due to water withdrawals. Current impacts of groundwater withdrawals are estimated to reduce spring flow by only 1% to 2%. The proposed minimum flow is, therefore, being met and is also projected to be met for the next 20 years and beyond based on water demand projections. The proposed minimum flow also preserves enough warm water during cold months for several times the current number of manatees that use Kings Bay as a warm water refuge.

Efforts to protect and restore Crystal River/Kings Bay must continue to focus on the real culprits of the negative changes that have been observed. These include nitrate contamination of our ground and surface waters, and physical alterations to our water and related natural systems. Other contributing factors that we have less of an ability to control within our region, such as climate change, sea level rise and changes in long-term rainfall patterns, must be and are included in the analysis and an adaptive management approach must be taken.

The WRWSA incorporates the District's latest science, including its adopted MFLs, into our long-range water supply planning and decision making. We help to implement water conservation activities among our members, to help ensure water use is as efficient as possible and to help put off the costs of developing new water supplies to meet growing demands.

Sincerely,

Richard S. Owen, AICP
Executive Director
Withlacoochee Regional Water Supply Authority

Fiscal Year 2015-16 Financial Audit

Mr. Mark White, CPA, Partner with Purvis Gray & Company, LLP, will present the audit report.

Purvis Gray and Company has prepared the annual audit of the Authority's financial statements for the Fiscal Year ending September 30, 2016.

See Exhibits: *(to be provided at meeting)*

A. December 22, 2016 letter from Purvis Gray and Company;

B. Financial Statements and Independent Auditors' Report, September 30, 2016.

Staff Recommendation:

The Board approve the Financial Statements and Independent Auditors' Report for Fiscal Year 2015-16, dated September 30, 2016, as presented at the meeting; and submittal of this report to the Auditor General and to the Florida Department of Financial Services.

Citrus County Water School

Mr. Richard Owen, WRWSA Executive Director, will present this item.

The UF/IFAS Extension Service Citrus County is hosting the Citrus County Water School, scheduled for February 9, 2017. WRWSA Executive Director Richard Owen sits on the planning committee for the event. The event's objective is to provide local decision makers and community leaders with an opportunity to discuss the county's and region's current and future water issues, along with possible solutions. This policy-neutral, fact-based event is offered free of charge. Invitees include local government representatives from throughout the WRWSA's four-county area.

The one day event features dynamic and knowledgeable speakers including:

- Keynote Speaker Senator Wilton Simpson (invited): *New Water Bill: Impacts and Opportunities*
- SWFWMD Assistant Executive Director Mandi Rice: *Water: Who is Using it and What For?*
- *Alternative Sources: What is Cost Effective and Sustainable*
 - Including water conservation, reclaimed, WaterStar, and more
- *Minimum Flows and Levels: Why Do We Need to Care about Surface Water Flows?*
- *Public Opinion: Where Do Floridians Want to Put Their Money and Their Votes?*

It is proposed that the WRWSA sponsor a raffle of five (5) irrigation audits for attendees to help support the event. A proposal for the work from Eco-Land Design, the contractor for the WRWSA's Irrigation Audit Program, is included as an exhibit to this item. At a cost of \$290 for each audit, the Authority would incur a total cost of \$1,450 to sponsor the raffle. In the Fiscal Year 2015-16, Citrus, Hernando and Marion counties each received a WRWSA water conservation grant. However, each county billed the Authority for less than the full grant amount, leaving over \$28,000 to carry forward as revenue to the current fiscal year. These funds are more than adequate to cover the cost of this proposed irrigation audit raffle. If approved by the Board, the funds for the sponsorship would come from the General Services Contracts budget. This line item is budgeted at \$75,000 for the year, with only \$25,000 obligated by a work order to Water Resource Associates, leaving an unobligated amount of \$50,000 available.

See Exhibit

Staff Recommendation:

The Board authorize the WRWSA to sponsor the raffle of five (5) irrigation audits at the February 9, 2017 Citrus County Water School at a cost of \$1,450 to utilize funds in the General Services Contracts budget for this purpose; and for the Executive Director to sign the agreement with Eco Land Design as contained in the Exhibit to perform this work.



7615 Terrace River Drive
Tampa, FL 33637
Ph: (813) 466-8705
E-Mail: tjover1@yahoo.com

December 20, 2016

Sent via email: richardowen@wrwsa.org

Richard Owen
Executive Director
WRWSA
3600 W. Sovereign Path, Suite 228
Lecanto, FL 34461

**RE: AGREEMENT FOR PROFESSIONAL IRRIGATION SERVICES
RESIDENTIAL IRRIGATION AUDIT/INSPECTIONS**

Dear Mr. Owen,

Thank you for the opportunity to submit this proposal for irrigation inspection/audit services for your upcoming educational event with Citrus County. The services include a complete audit/review for typical residential properties with up to 8 irrigation zones. The scope of services, client's responsibilities, schedule, compensation and contract conditions are as follows:

I. SCOPE OF SERVICES

A. IRRIGATION INSPECTION/AUDIT

1. Visually inspect landscape areas for indications of over watering and dry spots
2. Proper zoning of shrub and turf zones - these should be separated as water needs for each vary greatly.
3. Use of rain sensor shut off devise, testing and proper installation /location to ensure proper environment for optimum performance. New or replacement sensor will be installed if deemed necessary
4. Identify appropriate schedule and duration of watering times for plant material and sod species
5. Verify controller has a programmable clock with seasonal water schedules
6. Review existing run time schedule of irrigation zones
7. Verify controller has a back-up battery to work and maintain water schedules during frequent power outages.
8. Review irrigation head layout and determine if spacing modifications are necessary to reduce dry areas or areas of non-coverage. Maximum spacing should not exceed 55% of the spray diameter.
9. Review and identify damaged equipment or pipes
10. Identify any areas of overspray or excessive runoff
11. Determine if irrigation heads are using matched precipitation rates so that equal water distribution is maintained during operation
12. Review each irrigation zone to determine existing Gallons per minute used per application and appropriate timing based on current water restrictions
13. Perform catch can tests on a minimum of (1) zone and calibrate system based on findings
14. Visually review pressure and performance of irrigation heads
15. Identify potential opportunities for micro-irrigation or drip irrigation
16. Verify appropriate filtering equipment based on irrigation methods
17. Identify any obstructions that may inhibit proper irrigation of areas

18. Identify landscape areas that are maintenance problems in regard to irrigation and provide recommendations to amend
19. Prepare a detailed written report on the finding of the inspection/audit that can be utilized to determine necessary system maintenance issues and modifications for new landscape plantings/modification

B. EXISTING IRRIGATION SYSTEM EQUIPMENT LOCATION PLAN

21. Provide the homeowner with an overall layout plan generated from the site inspection that depicts locations of irrigation heads that can be utilized in determining how to make future modifications to the system and maintain the system.

II. CLIENT'S RESPONSIBILITIES

- A. Authorization to proceed with the services outlined in our proposal.
- B. Provide any updated information, agreements, and/or restrictions that may be in effect on the property and impact the design guidelines or criteria for the project.
- C. The Client shall provide access to the site for activities necessary for the performance of the services.

III. SCHEDULE

Upon receipt of a fully executed copy of this Agreement, which shall constitute written Notice to Proceed, I shall perform its services outlined above in a prompt and timely manner and as expeditiously as is consistent with professional skill and care and the orderly progress of the work. I also acknowledge that the Client is to be regularly and routinely consulted in connection with the performance hereunder.

IV. COMPENSATION

Fees for the described services are outlined in the following table. I have provided "Lump Sum Fees for the services identified in the Scope of Work. Lump Sum Fees include Reimbursable Expenses directly associated with this project (mileage, supplies, and other non-labor reimbursable costs). This contract will include one copy of the irrigation inspection/audit report & existing irrigation system equipment location plan to the homeowner and one to the Authority.

FEE SCHEDULE

I. SCOPE OF BASIC SERVICES FOR EACH INSPECTION/AUDIT	LUMP SUM FEE
A. IRRIGATION INSPECTION/AUDIT (With Rain Sensor Install & Equip. Layout Plan)	\$290.00 ea
TOTAL	\$290.00 ea

Note: The proposed fees are valid 120 days from the date of authorization by WRWSA.

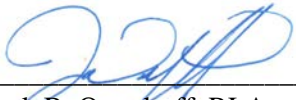
XII. APPLICABLE LAWS

Unless otherwise specified, this Agreement shall be governed by the laws of the State of Florida.

In the event of litigation regarding the Parties' obligations hereunder, the Parties expressly agree venue for such litigation shall be conducted in the county in which the Project is situated.

This proposal represents the entire understanding between us with respect to the project and may only be modified in writing, signed by both parties. If you have any questions regarding our fee proposal, please call so I can clarify or revise my understanding of the project scope. I appreciate the opportunity to submit this proposal, and we look forward to providing you with the professional services requested.

Sincerely,



Jack B. Overdorff, RLA
Landscape Architect/
Certified Irrigation Auditor
Ph: (813) 466-8705

December 20, 2016

Date

The signature below authorizes the work herein described and does so on behalf of the Signatory and on behalf of the Owner of the land or property upon which the work is to be performed, and warrants that he/she has authority to sign this Agreement on behalf of the Signatory and on behalf of the Owner of the land.

ACCEPTED BY:

Client Signature

Typed Name and Title

Date

**Charles A. Black Wellfield Renewal and Replacement Fund
Annual Report**

Mr. Richard Owen, WRWSA Executive Director, will present this item.

Citrus County has submitted to the Authority the annual report for the Charles A. Black (CAB) Wellfield Renewal and Replacement (R&R) Fund, documenting deposits and expenditures for the fiscal year ending September 30, 2016. A copy of which is included as an exhibit to this item.

Staff has reviewed this report and has met with Citrus County staff to go over the report's contents. This review determined that the deposit made into the fund, in the amount of \$182,870.00, are consistent with the contractual schedule for annual deposits. However, based upon this review with County staff, it has been determined expenditure item number 7, in the amount of \$1,361.25, is not associated with the CAB facilities and is to be credited back to the R&R account. This will result in a revised total expenditure amount of \$145,604.47. Although some of the other expenditures are not clearly addressed in the CAB Wellfield R&R fund controlling contracts, they do appear to be associated with the CAB facilities and, based upon this analysis, staff believes all other expenditures are appropriate. The revised ending balance as of September 30, 2016, is \$2,141,668.10. It is anticipated Citrus County will submit a revised Annual Report to the Authority in the near future.

See Exhibit.

Staff Recommendation:

The Board accept Citrus County's annual report for the CAB R&R Fund, documenting expenditures and deposits for the fiscal year ending September 30, 2016, with the revisions described above, including deposits in the amount of \$182,870.00, expenditures in the amount of \$145,604.47, and an ending balance of \$2,141,668.10.

RECEIVED NOV 29 2016



ANGELA VICK
EX-OFFICIO CLERK
TO THE BOARD OF COUNTY COMMISSIONERS
Citrus County, Florida



110 North Apopka Avenue, Inverness, FL 34450
(352) 341-6424 • Fax (352) 341-6458
ssullivan@clerk.citrus.fl.us

November 28, 2016

Mr. Richard Owen
Withlacoochee River Water Supply Authority
3600 West Sovereign Path – Suite 228
Lecanto, Florida 34461

Dear Mr. Owen:

Enclosed is a copy of the expenditures Citrus County made from the renewal and replacement fund for the fiscal year ended September 30, 2016. These expenditures were allowed by the Third Amendment to Joint Use, Operation and Management between the County and WRWSA dated August 20, 1997. This information is provided so that your records may accurately reflect the change in the amount of this fund. The following is a summary of the transactions in the renewal and replacement fund:

Beginning Balance 10/1/2015	\$2,104,402.57
Deposit	182,870.00
Expenses	<u>(146,965.72)</u>
Ending Balance 9/30/2016	\$2,140,306.85

I have enclosed a computer printout of the expenditures along with copies of the individual invoices. If you have any questions regarding these transactions, please give me a call at 352-341-6464.

Sincerely,

Susan Sullivan, CPA
Financial Analyst

Enclosures

Cc via e-mail: Randy Oliver, County Administrator
Ken Cheek, Water Resources Director

FUND	DEPT	ACCOUNT	ACCOUNT TITLE	DATE	PO	REFERENCE	VENDOR	AMOUNT	DESCRIPTION	Item #
453	9700	54600	REPAIR & MAINTENANCE	05/18/16	77252-01	V113960	16421.1 CITY ELECTRIC SU	404.62	CRV/078820 / 01610411001	1
453	9700	54605	EQUIPMENT MAINTENANCE	12/11/15	421			91.07	WO 616396	2
453	9700	54605	EQUIPMENT MAINTENANCE	01/12/16	651			4.48	E/C INV RE PO 76587	3
453	9700	54605	EQUIPMENT MAINTENANCE	02/04/16	P-CARD			1,989.50	WW GRAINGER	4
453	9700	54605	EQUIPMENT MAINTENANCE	02/15/16	77019-01	453590	0388 CITRUS WELL DRIL	3,870.00	17156 / 11/26/16	5
453	9700	54605	EQUIPMENT MAINTENANCE	02/15/16	77019-01	453590	0388 CITRUS WELL DRIL	6,460.00	17230 / 12/8/15	6
453	9700	54605	EQUIPMENT MAINTENANCE	03/25/16	77019-01	V113294	0388 CITRUS WELL DRIL	1,361.25	17723 / 3/14/16	7
453	9700	54605	EQUIPMENT MAINTENANCE	03/29/16	P-CARD			586.17	ELECTRIC MOTOR WHO	8
453	9700	54605	EQUIPMENT MAINTENANCE	04/27/16	1590			180.32	CAB WELL #7 MOTOR & PUMP	9
453	9700	54605	EQUIPMENT MAINTENANCE	05/31/16	77019-01	V114126	0388 CITRUS WELL DRIL	111,568.00	17933 / 5/10/16	10
453	9700	54605	EQUIPMENT MAINTENANCE	05/31/16	77019-02	V114126	0388 CITRUS WELL DRIL	11,950.00	17933 / 5/10/16	10

1



C.E.S. (City Electric Supply Company)
PO Box 609521
Orlando, FL 32860

INVOICE

Invoice Number:	CRV/078820
Tax Point Date:	04/28/16
Your Order Number:	77252
Account #:	01610411001

C.E.S. (Crystal River)
731 NE 5th Street
Crystal River, FL 34428



6.6 *****AUTO**MIXED AADC 328 405 1 MB 0.419

Citrus County Utilities Division
General Account
110 N Apopka Ave
Inverness FL 34450-4231

Phone: 352-563-5151
Fax: 352-563-0446
Email: CrystalRiver0161@ces-us.net
Delivery Info:

QTY	Item	Description	\$ Price Per	Disc	\$ Goods
16	WI NM200	WI NON MET LQD TTE COND 2"X50 FT	332.45	C	53.19
4	WI NMFS200	WI 2PC STRAIGHT CONN 2"	966.76	C	38.67
1	MILBANK A9064	LRG CLOSING PLATE	11.70	E	11.70
100	THHN-1/0-STR-BLK-CU	THHN-1/0-BLK-19STR-CU	1585.39	M	158.54
24	THHN-4-STR-GRN-CU	THHN-4-STR-GRN-CU	826.87	M	19.84
4	ILSCO P8TD-3-3/0	3/0-6 3-PORT INS AL MECH DUAL T UL CSA	30.67	E	122.68

MAY 9'16 12:06PM

MEET THE NEW STANDARD

Simple account management in the palm of your hand!



Payment to: C.E.S. (City Electric Supply Company) PO Box 609521 Orlando, FL 32860

PLEASE VISIT OUR WEBSITE AT WWW.CITYELECTRICSUPPLY.COM
FOR COMPANY INFORMATION AND PRODUCT PROMOTIONS.
THE RISK IN THE GOODS SHALL PASS TO THE BUYER ON DELIVERY, BUT THE GOODS
REMAIN THE PROPERTY OF THE SELLER UNTIL PAID FOR. GOODS ARE SOLD ACCORDING
TO VENDORS AND OUR OWN CONDITIONS OF SALE, COPIES OF WHICH ARE AVAILABLE
UPON REQUEST E & OE

Goods Total:	\$	404.62
Tax Rate:		0%
Tax Total:	\$	0.00
Total:	\$	404.62

TRANSFER FORM

RECEIVED

DATE 12/2/2015

DEC 03 2015

TRANSFER FROM: Utilities

(Department using service, personnel, supplies, etc....)

UTILITIES DIVISION

	FUND	DEPARTMENT	ACCOUNT #	\$\$ AMOUNT	FOR
DEBIT	453	9700	54605	\$ 91.07	wo#
DEBIT					616396
DEBIT					
DEBIT					
TOTAL				\$ 91.07	

TRANSFER TO: Facilities Management

(Department providing service, personnel, supplies, etc.)

	FUND	DEPARTMENT	ACCOUNT #	\$\$ AMOUNT	FOR
CREDIT	001	2670	369961	\$ 42.07	labor
CREDIT	001	2670	54604	\$ 49.00	maintenance
CREDIT	001	2670	54300		landfill
CREDIT	001	2670	55100		flags
CREDIT	001	2670	55211		janitorial supplies
TOTAL				\$ 91.07	

EXPLANATION see attached
 TRANSFER FROM APPROVED BY: *My Lopez*
 DEPT./DIV. Utilities
DATE 12/7/15
 TRANSFER TO APPROVED BY: *J. Stuebel*
 DEPT./DIV. Facilities Management
DATE 12/2/2015

FINANCE DEPARTMENT USE ONLY

POSTED BY: _____

DATE: _____

JV NUMBER _____

421

Maintenance Operations

Work Order Cost Detail

Work Order #	Unit ID	Facility Description	Activity Code	Initiated	Completed		
616396	B33-C	CAB 1- UTILITY BLDG	MO208	10/5/2015	10/9/2015		
Charge Date	Emp ID	Employee Name	Qty	Rate	Cost	Comments	
10/9/2015	7585	JOHN HECKER	1.00	22.00	22.00		
10/9/2015	6562	MICHAEL COATES	1.00	20.07	20.07		
Labor Subtotal:					42.07		
Charge Date	Budget #	Item #	Item Description	Qty	Rate	Cost	Comments
10/9/2015	001-2670-54604	0000	MISCELLANOUS ITEMS	1.00	49.00	49.00	passage door handle set
Extra Item Subtotal:					49.00		
Charge Date	Budget #	Part #	Part Description	Qty	Rate	Cost	Comments
Parts Subtotal:							
Grand Total:				91.07			

() -

Report Date 12/02/2015 09:16 AM

Submitted By Stephanie Struble

Page 1

Work Order # 616396 Activity MO208 LOCKS-REPAIR/REPLACE/MAINTAIN

Facility ID B33-C Description CAB 1- UTILITY BLDG
 Address 1999 N BLUE JAY TER
 HERNANDO FL 34442-

Qualifier LOCATED AT CHARLES A BLACK I

Area District
 Sub-area Location 9000 UTILITIES
 Map #

Facility Type Service Status
 Constructed X Coord
 Parcel As Built Y Coord
 Z Coord
 Area Size 0.000 Surface Cover
 Budget Number
 Ownership

Site
 Initiated By 6310 EILEEN EDWARDS Initiated Date 10/05/2015 Scheduled
 Assigned To 2861 RUSSELL COLLINS Service # Due

Authorization 1254 DARRELL HUGAR
 Budget #
 Crew
 Maint Type CM CORRECTIVE MAINTENANCE
 Priority 3 PRIORITY 3 (NORMAL)
 Problem MLOKS REPAIR/REPLACE/INSTALL LOCKS
 Project Out of Service ☐
 Source STF STAFF Potential Service Request ☐
 Last Activity MO208 LOCKS-REPAIR/REPLACE/MAINTAIN Last Activity Completed 10/09/2015

Work Order Comments

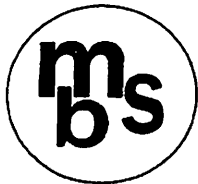
Jack Brooks - CAB-1 WTF, 1999 N. Blue Jay Terr. Jack
 R-3 - Office door latch will not secure door.

10/9/15(Mike & John)removed door handle, latch had broke, replaced with lever passage lock

Contractor			
Charge Date	Time	Contractor ID	Usage

Comments

TRANSFER FORM					
(Journal Voucher)					
DATE	12/30/15				
TRANSFER FROM (charge):			Utilities Division		
(Department using service, personnel, supplies, etc.)					
		FUND	DEPARTMENT	ACCOUNT	AMOUNT
DEBIT		453	9700	54605	\$4.48
DEBIT					
DEBIT					
DEBIT					
DEBIT					
DEBIT					
DEBIT					
DEBIT					
TRANSFER TO (reimburse):			Utilities Division		
(Department providing service, personnel, supplies, etc.)					
		FUND	DEPARTMENT	ACCOUNT	AMOUNT
CREDIT		450	9000	55210	\$4.48
CREDIT					
CREDIT					
CREDIT					
CREDIT					
CREDIT					
CREDIT					
CREDIT					
EXPLANATION:		This invoice was charged to PO 76587. It was for parts for Cab I which should be charged to 453-9700-54605			
APPROVED BY:		<i>Ray Higgins</i>		DATE: 1-6-16	
(Transfer From)					
APPROVED BY:		<i>Ray Higgins</i>		DATE: 1-6-16	
(Transfer To)					
FINANCE DEPARTMENT USE					
POSTED BY:				DATE:	
				JV NUMBER: 6051	



MORGAN BROS. SUPPLY, INC.
7559 W. GULF TO LAKE HWY.
CRYSTAL RIVER FL 34429
352-795-2999 Fax 352-795-1066

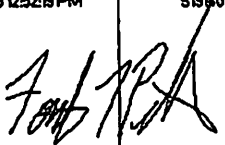
Invoice

INVOICE DATE	INVOICE NUMBER
12/08/15	S1914074.001
REMIT TO: MORGAN BROS. SUPPLY, INC. 7559 W. GULF TO LAKE HWY. CRYSTAL RIVER FL 34429	PAGE NO 1 of 1



BILL TO:
BOARD OF COUNTY COMMISSIONERS
UTILITIES DIVISION
110 N. Apopka Avenue
INVERNESS, FL 34450

SHIP TO:
BOARD OF COUNTY COMMISSIONERS
UTILITIES DIVISION
110 N. Apopka Avenue
INVERNESS, FL 34450

ORDERED BY		CUSTOMER P.O.		JOB NAME		SALESPERSON			
FOREST		76587		CAB 1					
WRITER		SHIP VIA		TERMS		SHIP DATE		ORDER DATE	
NICHOLAS WHITELAW		PK PICK-UP		Net Due 30 Days		12/08/15		12/08/15	
ITEM NO	DESCRIPTION			ORDER QTY	SHIP QTY	Net Price		Ext. Amount	
14X3GN	1/4 X 3 GALV NIPPLE			2	2	0.730		1.46	
12X14GB	1/2IN X 1/4IN GALVANIZED MALL REDUCING BUSHING			2	2	1.511		3.02	
12/8/15 12:52:19 PM									
S1914074.001									
									
FOREST									

Invoice is due by 01/07/16.

All claims for shortage or errors must be made at once. Returns require written authorization and are subject to handling charges. Special orders are non-returnable.
Past due invoices may be subject to 1.50% late charge.

Subtotal	4.48
S&H CHGS	0.00
Sales Tax	0.00
Amount Due	4.48

DEC 23 '15 10:33AM



MORGAN BROS. SUPPLY, INC.
7559 W. GULF TO LAKE HWY.
CRYSTAL RIVER FL 34429
352-795-2999 Fax 352-795-1066
WWW.MORGANBROS.COM



Ship Ticket

ORDER DATE	ORDER NUMBER
12/08/15	S1914074.001
REMIT TO: MORGAN BROS. SUPPLY, INC. 7559 W. GULF TO LAKE HWY. CRYSTAL RIVER FL 34429	PAGE NO 1 of 1

SOLD TO:
BOARD OF COUNTY COMMISSIONERS
UTILITIES DIVISION
110 N. Apopka Avenue
INVERNESS, FL 34450

SHIP TO:
BOARD OF COUNTY COMMISSIONERS
UTILITIES DIVISION
110 N. Apopka Avenue
INVERNESS, FL 34450

ORDERED BY			CUSTOMER P.O.		JOB NAME		SALESPERSON		
FOREST			76587		CAB 1				
WRITER			SHIP VIA	SHIP INSTRUCTIONS		WAREHOUSE		SHIP DATE	FREIGHT
NICHOLAS WHITELA			PK			Shp 2 Prc 2		12/08/15	No
ORDER QTY	SHIP QTY		ITEM NO	DESCRIPTION			Net Price		Ext Amount
2ea	2ea	—	14X3GN	1/4 X 3 GALV NIPPLE Loc: 302-CB-09 Pn: 21273			0.730		1.46
2ea	2ea	—	12X14GB	1/2IN X 1/4IN GALVANIZED MALL REDUCING BUSHING Loc: 362-BA-03 Pn: 354176			1.511		3.02

Filled by _____ Checked by _____ Pieces _____
Delivered _____ Date ____/____/____



CITRUS COUNTY UTILITIES DIVISION SUPPLY REQUEST FORM

VENDOR / SUPPLIER INFORMATION

VENDOR: MORGAN BROS. SUPPLY INC
ADDRESS: 7559 W. GULF TO LAKE HANA
CRYSTAL RIVER, FL 34429
PHONE #: (352) 795 2999 FAX #: _____
E-Mail Address: _____
CONTACT _____ DATE: 12/8/15

OFFICE USE ONLY

DATE: 12/10/15
ACCOUNT # _____ AUTH: [Signature]
REQUISITION # _____ AUTH: _____

DELIVERY ADDRESS: _____

QTY	UNIT	PART DESCRIPTION	PART #	UNIT PRICE	EXT PRICE
2		1/4 x 3 Gal Nipple		73¢	1.46
2		1/2 x 1/4 Gal Bushing		1.51	3.02

REQUESTED BY: Forrest Pemberton

DATE: 12/8/15

SHIPPING	<u>0</u>
TOTAL	<u>4.48</u>

PURCHASING INFORMATION

☐ PURPOSE: To install & test Booster pump at CAB I

PRIORITY: HIGH: ☐ MED: ☒ LOW: Replacing Asset # _____ Retiring _____ Reusing _____

BID ITEM: _____ BID #: _____
New Location of Old Asset: _____
New Location of New Asset: _____

NON BID ITEM: ☐ PRICE QUOTES: ☐ COMMENTS: PO 76587

ORDERED VIA: _____ FAX: ☐ PHONE: ☐

F:\SHARED\DPW\UTILITIES\FORMS\SUPPLY REQUEST\NEWSUPPLY.XLS

GRAINGER®

2620 SW 17TH ROAD SUITE 300
OCALA, FL 34471-2096
www.grainger.com

PAGE 1 OF 1

INVOICE

GRAINGER ACCOUNT NUMBER 848661708
INVOICE NUMBER 9922333035
INVOICE DATE 12/18/2015
NO AMOUNT DUE

SHIP TO
ATTN: ROGER INGALL
CITRUS CNTY UTILITIES
6000 W FRONTIER LN
BEVERLY HILLS FL 34465-4696

PO NUMBER: ROGER INGALL
CALLER: ROGER INGALL
CUSTOMER PHONE: 3524000847
ORDER NUMBER: 1250863273
INCO TERMS: FOB ORIGIN

BILL TO
CITRUS COUNTY BOCC
UTILITIES DIVISION
ACCOUNTS PAYABLE
110 N APOPKA AVE
INVERNESS FL 34450-4231

Interested in receiving invoices via email?
Sign up for paperless invoicing at:
www.grainger.com/paperlessinvoicing

THANK YOU! FB NUMBER 36-1150280
FOR QUESTIONS ABOUT THIS INVOICE OR ACCOUNT CALL **1-800-472-4643**

PO LINE #	ITEM #	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL
	6VLZ5	SOFT START, 208-600VAC, 170A, 3 PHASE MANUFACTURER # ATS22C17S6U	1	1,989.50	1,989.50
<p style="text-align: center;">453-9700-54605 1/11/16 - TVK</p>					

INVOICE SUB TOTAL 1,989.50
CR. CARD OR CASH RECEIVED 1,989.50

These items are sold for domestic consumption. If exported, purchaser assumes full responsibility for compliance with US export controls. Diversion contrary to US law prohibited.
Reprint

PAYMENT TERMS VISA - PAY THIS INVOICE. NO STATEMENT SENT. PAYABLE IN U.S. DOLLARS. **AMOUNT DUE \$0.00**

NO PAYMENT DUE - THIS INVOICE FOR YOUR RECORDS

FOR COMMENTS OR CHANGE OF ADDRESS, ENTER INFORMATION ON REVERSE SIDE

C.W.D.I., Inc. dba Citrus Well Drilling

P.O. Box 369

Hernando, FL 34442

Phone 352-726-5454

Fax 352-726-8788

INVOICE

Date	Invoice #
11/26/2015	17156

Bill To		Ship To		
Citrus County Utilities Division 110 N Apopka Ave Inverness, FL 34450 352-527-7650 off		Well # 7 300 HP Submersible		
P.O. Number	Terms	Due Date	Rep	Ray & Todd's Cell Numbers
77019	Due on receipt	11/26/2015	RT	Ray's 352-302-1481 Todd's 352-302-2348
Qty	Item	Description	Price	Amount
1	LA 0002	Service labor for Crane with Certified Operator and service man to remove pump from well.	2,400.00	2,400.00
6	LA 0001	Hours of service labor for one man to box motor for shipping to Lubbock Texas	50.00	300.00
1	NFI	Lumber to build box for shipping	40.00	40.00
1	NFI	Freight to Lubbock, Texas OUTBOUND	770.00	770.00
3	NFI	Hours labor to truck pump to American Marsh, Lakeland, FL for evaluation. Pump shows signs of server cavitation. Holes in bottom impeller. Damage to other impellers also. Well is either drawing down during pumping or suction is starving for water due to blockage in well feed bottom impeller at suction point. No screen on pump when we removed pump from well. We have photo of pump as it was removed from well. Pump draw down results suggest no issues with draw down for cavitation (have draw down report. Restriction of flow feeding inlet at bottom impeller would also cause same problem. We have photo showing pump as it was removed from well. It was reported that pump repair last time around has issues with GPM production and had to be pulled to correct.	60.00	180.00
3	NFI	Hours labor to pickup pump from American Marsh, Lakeland, FL	60.00	180.00
			FEB 8'16	4:09PM
Total				\$3,870.00

C.W.D.I., Inc. dba Citrus Well Drilling

P.O. Box 369

Hernando, FL 34442

Phone 352-726-5454

Fax 352-726-8788

INVOICE

Date	Invoice #
12/8/2015	17230

Bill To				Ship To	
Citrus County Utilities Division 110 N Apopka Ave Inverness, FL 34450 352-527-7650 off				Well # 7 300 HP	
P.O. Number	Terms	Due Date	Rep	Ray & Todd's Cell Numbers	
77019	Due on receipt	12/8/2015	RT	Ray's 352-302-1481	Todd's 352-302-2348
Qty	Item	Description		Price	Amount
12	LA 0002	Hours of Service labor for Crane with Certified Operator and service man to load all 4" pipe, 1-1/4" pipe, hose and fittings, transport pipe to site, then install 4" pipe in 20" well and install 1-1/4" air line to vacuum well from bottom of hole. Two men set up discharge assembly to direct flow from well to trailer to collect debris from hole.		210.00	2,520.00
12	LA 0002	Hours of Service labor for Crane with Certified Operator and service men to remove piping from well and transport back to office.		210.00	2,520.00
2	LA 0001	Hours of service labor for two men to operate compressor and clean hole		195.00	390.00
1	NFI	Supply 4" pipe, 1-1/4" pipe, trailer and assembly to control flow to trailer		680.00	680.00
1	NFI	Supply Air Compressor to blow well to vacuum bottom of hole.		350.00	350.00
	Est	The final invoice amount will be determined by the exact quantities supplied for each item listed. If items not listed are required to complete the well to customers request the additional work will be additional cost. THIS IS AN ESTIMATED AMOUNT BASED ON THE ABOVE INFORMATION.			0.00
				FEB 8'16 4:09PM	
				Total	\$6,460.00

C.W.D.I., Inc. dba Citrus Well Drilling

P.O. Box 369

Hernando, FL 34442

Phone 352-726-5454


Fax 352-726-8788

INVOICE

Date	Invoice #
3/14/2016	17723

RECEIVED BY

MAR 15 2016

Bill To		Ship To		
Citrus County Utilities Division 110 N Apopka Ave Inverness, FL 34450 352-527-7650 off		WTP Elkcam & Pine Ridge Blvd 8" Well 30 HP 3 ph 460 volt		
P.O. Number	Terms	Due Date	Rep	
Ron Kurtz	Due on receipt	3/14/2016	RT	
Ray & Todd's Cell Numbers				
Ray's 352-302-1481		Todd's 352-302-2348		
Qty	Item	Description	Price	Amount
4.25	LA 0002	Hours of service labor for Crane with Certified Operator Joe Johnson and service man Billy Townsend to remove pump from well, change check valve, reinstall pump & test run.	185.00	786.25
1	CV 2004 V	4" ductile iron VFD check valve	575.00	575.00
<p>approved by Gerry L. 3/15/16</p> <p>open PO 77091-1</p> <p></p>				
			Total	\$1,361.25

MAR 16 '16 2:26PM

CITRUS COUNTY UTILITIES
DIVISION SUPPLY REQUEST FORM

MAR 15 2016

OFFICE USE ONLY

DATE: 3-15-16

ACCOUNT # _____

AUTH: AS

REQUISITION _____

AUTH: _____

VENDOR / SUPPLIER INFORMATION

VENDOR: Citrus well Drilling

WATER RESOURCES

ADDRESS: P.O. Box 369 Hernando, fl.34442

PHONE #: 352-726-5454

FAX #: 352-726-8788

DELIVERY ADDRESS _____

CONTACT Ray Townsend

DATE: 3/14/2016

QTY	UNIT	PART DESCRIPTION	PART #	UNIT PRICE	EXT PRICE
1	ea	Well #3 pine ridge fail/pull/rebuild/replace check valve/install test		\$1,361.25	\$1,361.25

REQUESTED BY: Ron Kurtz

DATE: 3/14/2016

SHIPPING

TOTAL

\$1,361.25

PURCHASING INFORMATION

PRIORITY: HIGH: ☐MED: ☐LOW: ☐

PURPOSE: pull well, replace 4" ductile iron VFD check valve

BID ITEM: ☐

BID #: ITB 012-13

NON BID ITEM: ☐PRICE QUOTES: ☐

COMMENTS: Labor and parts.

ORDERED VIA:

FAX: ☐PHONE: ☐

P.O. 77091-1

F:\SHARED\DPW\UTILITIES\FORMS\SUPPLY REQUEST\NEWSUPPLY.XLS



WWW.ELECTRICMOTORWHOLESALE.COM

829 Lion Hope Road
Clayton, DE 19938

Phone # 3026531844

Invoice

Date	Invoice #
2/18/2016	41039

PAID
02/18/2016

Bill To	Ship To
Citrus County Utilities Ron Kurtz 3600 West Sovereign Path Lecanto, FL 34461 United States	Citrus County Utilities Ron Kurtz 6000 W. Frontier Lane Beverly Hills, FL 34465 United States

Rep	P.O. Number	Terms	Due Date	Ship	Via	Account #
CJT	Phone Order	Due on receipt	2/18/2016	2/18/2016	Federal Express	
Quantity	Part Number	Description	Price Each	Amount		
1	174998	P/N: 174998.00 LEESON 1/2HP MICRO NEMA4 EPOXY VFD 115/230V 1PH INPUT	567.00	567.00		
1	HC	Additional Processing Charge	3.00	3.00		
1	shipping & delivery	Ground Shipping Charge, tracking number FEDEX (GROUND) 635321503916	16.17	16.17		
453-9700-54605 2-23-16-TVK						

Thank you for your purchase.

E-mail	ed@electricmotorwholesale.com
--------	-------------------------------

Payments/Credits	-\$586.17
Total	\$586.17
Balance Due	\$0.00

TRANSFER FORM					
(Journal Voucher)					
DATE	4/26/16				
TRANSFER FROM (charge):			Utilities Division		
(Department using service, personnel, supplies, etc.)					
		FUND	DEPARTMENT	ACCOUNT	AMOUNT
DEBIT		453	9700	54605	\$180.32
DEBIT					
DEBIT					
DEBIT					
DEBIT					
DEBIT					
DEBIT					
DEBIT					
TRANSFER TO (reimburse):			Utilities		
(Department providing service, personnel, supplies, etc.)					
		FUND	DEPARTMENT	ACCOUNT	AMOUNT
CREDIT		450	9000	55210	\$180.32
CREDIT					
CREDIT					
CREDIT					
CREDIT					
CREDIT					
CREDIT					
CREDIT					
EXPLANATION:		This was for a new motor & pump at Cab Well #7			
APPROVED BY:				DATE:	4-26-16
(Transfer From)					
APPROVED BY:				DATE:	4-26-16
(Transfer To)					
FINANCE DEPARTMENT USE					
POSTED BY:				DATE:	
				JV NUMBER:	1590



C.E.S. (City Electric Supply Company)
PO Box 609521
Orlando, FL 32860

INVOICE

Invoice Number:	CRV/078343
Tax Point Date:	04/06/16
Your Order Number:	76568
Account #:	01610411001

C.E.S. (Crystal River)
731 NE 5th Street
Crystal River, FL 34428



6.6 *****AUTO**MIXED AADC 328 862 1 MB 0.439

Citrus County Utilities Division
General Account
110 N Apopka Ave
Inverness FL 34450-4231

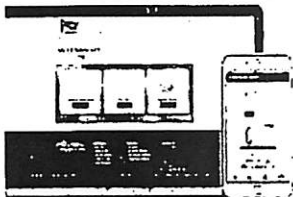
Phone: 352-563-5151
Fax: 352-563-0446
Email: CrystalRiver0161@ces-us.net
Delivery Info:

QTY	Item	Description	\$ Price Per	Disc	\$ Goods
4	ILSCO PBTD-4-3/0	3/0-6 4-PORT INS AL MECH DUAL T UL CSA	45.08	E	180.32

APR 13'16 10:25AM

New pump motor for CAB well #17

THE ALL NEW - WWW.CITYELECTRICSUPPLY.COM WITH BILL PAY



VISIT TODAY
CREATE AN ACCOUNT
AND ACCESS IT ANYWHERE



WWW.CITYELECTRICSUPPLY.COM

Payment to: C.E.S. (City Electric Supply Company) PO Box 609521 Orlando, FL 32860

PLEASE VISIT OUR WEBSITE AT WWW.CITYELECTRICSUPPLY.COM

FOR COMPANY INFORMATION AND PRODUCT PROMOTIONS

THE RISK IN THE GOODS SHALL PASS TO THE BUYER ON DELIVERY, BUT THE GOODS
REMAIN THE PROPERTY OF THE SELLER UNTIL PAID FOR. GOODS ARE SOLD ACCORDING
TO VENDORS AND OUR OWN CONDITIONS OF SALE, COPIES OF WHICH ARE AVAILABLE
UPON REQUEST E & OE

Goods Total:	\$	180.32
Tax Rate:		0%
Tax Total:	\$	0.00
Total:	\$	180.32

N
A
T
I
O
N
W
I
D
E

C.E.S. (Crystal River)
731 NE 5th Street, Crystal River, FL,
34428.

Phone: 352-563-5151
Fax: 352-563-0446
Email: CrystalRiver0161@ces-us.net

PACKING SLIP

CRV/078343

Date: 06 Apr 2016

Page 1/1

Entered by: Mike Jarrett

Account: 01610411001

Order Number: 76568

CITRUS COUNTY UTILITIES DIVISION
GENERAL ACCOUNT
110 N APOPKA AVE
INVERNESS, FL
34450

APR 11 2016

WATER RESOURCES

Qty	Item	Description	\$ Price Per	\$ Goods
4	ILSCO PBTD-4-3/0	3/0-6 4-PORT INS AL MECH DUAL T UL CSA	45.08 E	180.32

Signature:

Print Name: _____

Goods Total: \$180.32

Tax Total: \$0.00

Total: \$180.32

Pulled: _____ Checked: _____

THE RISK IN THE GOODS SHALL PASS TO THE BUYER ON DELIVERY, BUT THE GOODS REMAIN THE PROPERTY OF THE SELLER UNTIL PAID FOR.
GOODS ARE SOLD ACCORDING TO VENDORS AND OUR OWN CONDITIONS OF SALE, COPIES OF WHICH ARE AVAILABLE UPON REQUEST.

EAS

C.W.D.I., Inc. dba Citrus Well Drilling

P.O. Box 369

Hernando, FL 34442

Phone 352-726-5454

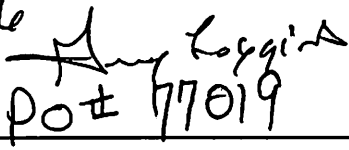
Fax 352-726-8788

WATER RESOURCES
SENT TO FINANCE ON:

MAY 19 2016

INVOICE

Date	Invoice #
5/10/2016	17933

Bill To		RECEIVED BY		Ship To	
Citrus County Utilities Division 110 N Apopka Ave Inverness, FL 34450 352-527-7650 off		MAY 19 2016 WATER RESOURCES		CAB 1 Charles A Black Well # 7 300 HP Submersible	
P.O. Number	Terms	Due Date	Rep	Ray & Todd's Cell Numbers	
77019	Due on receipt	5/10/2016	RT	Ray's 352-302-1481	Todd's 352-302-2348
Qty	Item	Description		Price	Amount
1	NFI	Bid Schedule 1 reinstall pump in Well # 7. 1/2 the total cost of 4,800.00 = 2,400.00		2,400.00	2,400.00
1	NFI	Flowserve 16ENL 3 stage pump made with all Visconite bearings except top discharge bearing with 140" of 12" column and 1" 15/16" stainless steel lineshaft with Visconite inserts. Pump to have 10" steel tail pipe with stainless steel cone strainer which will have special grooves to allow suction above cone strainer as well as through cone strainer.		109,878.00	109,878.00
1	NFI	Adapt well head to vertical turbine discharge and connect piping		4,872.00	4,872.00
1	NFI	ADDITIONAL CHARGES: This was originally planned to take 3 days time and fittings due to the need to reset the elevation to connect the piping. Rather than adjust the elevation with 22-1/2 degree Ductile Iron Pipe elbows. We added 24" casing to original casing and built an additional base plate using 1-3/4" thick steel plate that had to be laser cut then drilled and tapped for the new discharge head. We also added concrete 6" higher with heavy rebar to support to total weight of the pump system. This allowed the pipe line to be a straight run. This adjustment took all of 8 days of labor with three men and crane to complete. We had to place and remove the new base plate multiple times to make measurements to get the straight run.		4,000.00	4,000.00
1	NFI	rewiring of 300 HP VHS motor by county electrician.			0.00
1	NFI	air release for 12" discharge		2,368.00	2,368.00
Approved by Gary Loggins 5-19-16  PO# 77019					
				Total	\$123,518.00

GARY S. LOGGINS

From: citruswell@earthlink.net
Sent: Thursday, May 19, 2016 5:42 AM
To: GARY S. LOGGINS
Cc: rtmail@earthlink.net
Subject: Invoice from C.W.D. I.,inc
Attachments: Inv_17933_from_C.W.D.I.Inc.dba_Citrus_Well_Drilling_8296.pdf

C.W.D.I., Inc. dba Citrus Well Drilling

Invoice Due: 05/10/2016
17933 Amount Due: \$123,518.00

Gary Loggins :

If we need to present any additional information please let me know.

Your invoice is attached. Please remit payment at your earliest convenience.

Thank you for your business - we appreciate it very much.

Sincerely,

C.W.D. I.,inc
352-726-5454
citruswell@earthlink.net

C.W.D.I., Inc. dba Citrus Well Drilling

P.O. Box 369
Hernando, FL 34442
Phone 352-726-5454
Fax 352-726-8788

WATER RESOURCES
SENT TO FINANCE ON:

MAY 19 2016

INVOICE

Date	Invoice #
5/10/2016	17933

Bill To		RECEIVED BY		Ship To	
Citrus County Utilities Division 110 N Apopka Ave Inverness, FL 34450 352-527-7650 off		MAY 19 2016 WATER RESOURCES		CAB 1 Charles A Black Well # 7 300 HP Submersible	
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1	NFI	Adapt well head to vertical turbine discharge and connect piping	4,872.00	4,872.00	
1	NFI	ADDITIONAL CHARGES: This was originally planned to take 3 days time and fittings due to the need to reset the elevation to connect the piping. Rather than adjust the elevation with 22-1/2" degree Ductile Iron Pipe elbows. We added 24" casing to original casing and built an additional base plate using 1-3/4" thick steel plate that had to be lazied cut then drilled and tapped for the new discharge head. We also added concrete 6' higher with heavy rebar to support to total weight of the pump system. This allowed the pipe line to be a straight run. This adjustment took all of 8 days of labor with three men and crane to complete. We had to place and remove the new base plate multiple times to make measurements to get the straight run.	4,000.00	4,000.00	
1	NFI	rewiring of 300 HP VHS motor by county electrician.		0.00	
1	NFI	air release for 12" discharge	2,368.00	2,368.00	
<p>Approved by Gary Loggins 5-19-16 [Signature] PO# 77019</p>					
				Total	\$123,518.00

GARY S. LOGGINS

From: citruswell@earthlink.net
Sent: Thursday, May 19, 2016 5:42 AM
To: GARY S. LOGGINS
Cc: rtmail@earthlink.net
Subject: Invoice from C.W.D. I.,inc
Attachments: Inv_17933_from_C.W.D.I.Inc.dba_Citrus_Well_Drilling_8296.pdf

C.W.D.I. Inc.dba Citrus Well Drilling

Invoice Due:05/10/2016
17933 Amount Due: \$123,518.00

Gary Loggins :

If we need to present any additional information please let me know.

Your invoice is attached. Please remit payment at your earliest convenience.

Thank you for your business - we appreciate it very much.

Sincerely,

C.W.D. I.,inc
352-726-5454
citruswell@earthlink.net

Charles A. Black Wellfield Revenues

Mr. Richard Owen, WRWSA Executive Director, will present this item.

In September 2016, the WRWSA and Citrus County entered a new Water Supply Contract governing the Charles A. Black (CAB) Wellfield. One of the key features of the new contract is the County will base its monthly payments upon actual water withdrawals. Under the previous contract, the County was making payments for (a) a portion of the Authority's administrative costs (\$60,000 per year) and (b) "capital repayments" (most recently in the annual amount of \$163,587). Historically, the Authority has kept these revenues in separate investment accounts with the State. The first amount has been treated as an unrestricted account while the second component has been placed in a separate account, the use of which is restricted for water resource development projects. The separation of these revenues and investments was in response to a provision in the SWFWMD/WRWSA CAB wellfield funding agreement that required the Authority to recoup the SWFWMD funds for future water resource development projects. Although the SWFWMD/WRWSA agreement expired in 1999 and its provisions are no longer binding, the Authority has continued to place the Citrus capital repayment amounts in the restricted fund.

Under the new contract, there are no provisions regarding administrative and capital repayment amounts. Staff is seeking direction from the Board as to whether the County's payments under the new contract should continue to be divided among the restricted and unrestricted accounts and, if so, in what amounts. Staff believes it is prudent for the Authority to continue to keep the existing investments and appropriate portions of the new CAB wellfield revenues in these separate accounts. Since there no longer exists a contractual "capital repayment schedule," it is recommended the Authority attempt to maximize the funds in the capital account while also balancing the administrative components of the budget without utilization of unrestricted reserves.

In prior years, there were two sources of WRWSA administrative revenues including (1) the per capita payments by each member county and (2) the \$60,000 annual payment by Citrus County under the prior CAB wellfield contract. (It should be noted that Citrus County continues to make per capita payments pursuant to the WRWSA Interlocal Agreement.) Typically, these revenues were inadequate to cover all administrative expenses and the difference was made up by utilization of unrestricted reserves. For example, in the current fiscal year, the total administrative budget is \$212,784, while per capita revenues are \$147,285 and the CAB wellfield administrative payment is \$60,000, for a total administrative revenue of \$207,285, leaving \$5,499 that must come from unrestricted reserves. Under the approach recommended by staff and using the current fiscal year as an example, \$65,499 (\$60,000 + \$5,499) would have been budgeted from the Citrus wellfield payments as administrative revenues. The remaining wellfield revenue, estimated to be approximately \$218,501 (\$224,000 - \$5,499) would be budgeted in the restricted or water resource development account.

Staff Recommendation:

Board concurrence with the protocol described above regarding allocation of future CAB wellfield payments among the unrestricted and restricted accounts of the Authority.

Regional Irrigation Audit Program Cooperative Funding Agreement with Marion County

Mr. Richard Owen, WRWSA Executive Director, will present this item.

Marion County has participated in each phase of the WRWSA's Regional Irrigation Audit Program, including conceptually agreeing to participate in Phase 4, which began in the current fiscal year. In the past, the County's participation was informal and no Agreement was required for their participation. However, for the Phase 4 Program, the County has requested its participation be documented in an Cooperative Funding Agreement between the Authority and the County.

The attached proposed Agreement is similar to the agreements entered into with The Villages for its participation in Phase 4. The WRWSA Board previously approved funding for this project, including the irrigation audits scheduled in Marion County.

See Exhibit.

Staff Recommendation:

The Board approve the Cooperative Funding Agreement between the WRWSA and Marion County for the Regional Irrigation Evaluation Program, as contained in the Exhibit.

**COOPERATIVE FUNDING AGREEMENT
BETWEEN THE
WITHLACOOCHEE REGIONAL WATER SUPPLY AUTHORITY
AND
MARION COUNTY, A POLITICAL SUBDIVISION OF THE STATE OF FLORIDA
FOR THE
WITHLACOOCHEE REGIONAL WATER SUPPLY AUTHORITY
REGIONAL IRRIGATION EVALUATION PROGRAM**

THIS COOPERATIVE FUNDING AGREEMENT (this "Agreement") is made and entered into by and between the WITHLACOOCHEE REGIONAL WATER SUPPLY AUTHORITY, a special district of the State of Florida, whose address is 3600 W. Sovereign Path, Suite 228, Lecanto, FL 34461, hereinafter referred to as "AUTHORITY," and MARION COUNTY, a political subdivision of the State of Florida, located at 601 SE 25th Ave, Ocala, FL 34471, hereinafter referred to as "COUNTY".

WITNESSETH:

WHEREAS, AUTHORITY proposes to enter into a Cooperative Funding Agreement with the Southwest Florida Water Management District (SWFWMD) for the Withlacoochee Regional Water Supply Authority Regional Irrigation Evaluation Program (the "PROGRAM"); and

WHEREAS, AUTHORITY shall complete the work for the project by managing the associated grant with the SWFWMD and the evaluations called for thereunder, managing the PROGRAM contractor, sending out materials to potential participants to solicit participation, receiving applications and maintaining contact with participants, and conducting a post survey of participants, said activities hereafter collectively referred to as the "PROJECT"; and,

1. This Agreement shall commence upon execution by both Parties and shall be valid through September 30, 2019 (the "Term"). It is acknowledged that the grant funds may be replenished in the future. COUNTY has the option to renew for two (2) additional one (1) year periods or upon exhaustion of the current grant funds, whichever occurs first, any renewal shall be made in writing signed by both parties no less than thirty (30) days prior to the expiration of the Term, and,

WHEREAS, AUTHORITY and COUNTY wish to enter into a Cooperative Funding Agreement whereby COUNTY would fund 25% of the administrative fee and PROJECT costs for each evaluation performed pursuant to the grant to AUTHORITY under COUNTY's established procedure, upon completion of PROJECT; and,

WHEREAS, both AUTHORITY and COUNTY consider the PROJECT to be worthwhile and it will ultimately improve the conservation of water resources.

NOW THEREFORE, AUTHORITY and COUNTY (singularly referred to as "Party", collectively referred to as "Parties"), in consideration of the mutual terms, covenants and conditions set forth herein, agree as follows:

2. PROJECT MANAGER AND NOTICES.

Each Party hereby designates the individual set forth below as its respective Project Manager. Project Managers will assist with PROJECT coordination and will be each Party's prime contact person. Notices and reports will be sent to the attention of each Party's Project Manager by U.S. mail, postage paid, to the Parties' addresses as set forth in the introductory paragraph of this Agreement. Notice is effective upon receipt.

Project Manager for AUTHORITY: Richard Owen
Project Manager for COUNTY: Jacob Arnette

Any changes to the above representatives or addresses must be provided to the other Party in writing.

- 2.1 COUNTY and AUTHORITY's Project Managers are hereby authorized to approve requests to extend a PROJECT task deadline set forth in this Agreement. Such approval must be in writing, explain the reason for the extension and be signed by the Project Manager. COUNTY and AUTHORITY'S Project Managers are not authorized to approve any time extension which will result in an increased cost to COUNTY or AUTHORITY or which will exceed the expiration date set forth in the TERM.
- 2.2 COUNTY and AUTHORITY'S Project Managers are not authorized to make changes to the Scope of Work and are not authorized to approve any increase in the not-to-exceed amount set forth in the funding section of this Agreement.

3. PUBLIC RECORDS COMPLIANCE.

A. IF AUTHORITY HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO AUTHORITY'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS AGREEMENT, CONTACT COUNTY'S CUSTODIAN OF PUBLIC RECORDS AT:

Office of Public Information
601 SE 25th Ave.
Ocala, FL 34471
Phone: 352-438-2300 | Fax: 352-438-2309
Email: PIO@marioncountyfl.org

B. IF COUNTY HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO COUNTY'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS AGREEMENT, CONTACT AUTHORITY'S CUSTODIAN OF PUBLIC RECORDS AT:

Withlacoochee Regional Water Supply Authority
3600 W. Sovereign Path, Suite 228
Lecanto, FL 34461
Phone: (352) 527-5795 | Fax: (352) 527-5797
Email: wrwsa@wrwsa.org

4. INDEMNIFICATION.

Each Party Agrees to indemnify, defend and hold harmless the other, its officers, board members, agents, representatives and employees from and against any and all fines, suits, claims, demands, penalties, liabilities, costs or expenses, losses, settlements, judgments and awards and actions of whatever kind or nature, including attorney's fees and costs (and costs and fees on appeal), and damages (including but not limited to, actual and consequential damages) arising from any negligent, willful or wrongful misconduct, knowing misrepresentation or breach of this agreement by such Party, its officers, board members, agents or representatives or employees. This paragraph shall

not be construed in any way to alter the Parties' waiver of sovereign immunity or extend the Parties' liabilities beyond the limits established in Section 768.28, Florida Statutes.

5. DEFAULT/TERMINATION.

In the event AUTHORITY fails to comply with any of the provisions of this Agreement, COUNTY may terminate this Agreement for cause by first notifying AUTHORITY in writing, specifying the nature of the default and providing AUTHORITY with a reasonable period of time in which to rectify such default. In the event the default is not cured to COUNTY's satisfaction within the time period given, COUNTY thereafter may terminate this Agreement for cause upon written notice to AUTHORITY without prejudice to COUNTY. In the event of termination of this Agreement for cause, COUNTY will then be responsible to compensate AUTHORITY only for those services timely and satisfactorily performed pursuant to this Agreement up to the date of termination. COUNTY may terminate this Agreement without cause providing at least ninety (90) days written notice to AUTHORITY. In the event of termination of this Agreement without cause, COUNTY will compensate AUTHORITY for all services timely and satisfactorily performed pursuant to this Agreement up to and including the date of termination. Notwithstanding any other provision of this Agreement, this Agreement may be terminated if for any reason there are not sufficient appropriated and available monies for the purpose of maintaining COUNTY or other public entity obligations under this Agreement. COUNTY shall have no further obligation to AUTHORITY, other than to pay for services rendered prior to termination.

6. TERMINATION FOR LOSS OF FUNDING/CANCELLATION FOR UNAPPROPRIATED FUNDS.

The obligation of COUNTY for payment to AUTHORITY is limited to the availability of funds appropriated in a current fiscal period, and continuation of this Agreement into a subsequent fiscal period is subject to appropriation of funds, unless otherwise authorized by law.

7. FORCE MAJEURE.

Neither AUTHORITY nor COUNTY shall be considered to be in default in the performance of its obligations under this Agreement, except obligations to make payments with respect to amounts already accrued, to the extent that performance of any such obligations is prevented or delayed by any cause, existing or future, which is beyond the reasonable control and not a result of the fault or negligence of, the affected Party (a "Force Majeure Event"). If a Party is prevented or delayed in the performance of any such obligations by a Force Majeure Event, such Party shall immediately provide notice to the other Party of the circumstances preventing or delaying performance and the expected duration thereof. Such notice shall be confirmed in writing as soon as reasonably possible. The Party so affected by a Force Majeure Event shall endeavor, to the extent reasonable, to remove the obstacles which prevent performance and shall resume performance of its obligations as soon as reasonably practicable. A Force Majeure Event shall include, but not be limited to acts of civil or military authority (including courts or regulatory agencies), acts of God, war, riot, or insurrection, inability to obtain required permits or licenses, hurricanes and severe floods.

8. COUNTERPARTS.

Original signatures transmitted and received via facsimile or other electronic transmission of a scanned document, (e.g., PDF or similar format) are true and valid signatures for all purposes hereunder and shall bind the Parties to the same extent as that of an original signature. Any such facsimile or electronic mail transmission shall constitute the final agreement of the Parties and conclusive proof of such agreement. Any such electronic

counterpart shall be of sufficient quality to be legible either electronically or when printed as hardcopy. COUNTY shall determine legibility and acceptability for public record purposes. This Agreement may be executed in one or more counterparts, each of which shall for all purposes be deemed to be an original and all of which shall constitute the same instrument.

9. AUTHORITY TO OBLIGATE.

Each person signing this Agreement on behalf of either Party individually warrants that he or she has full legal power to execute this Agreement on behalf of the Party for whom he or she is signing, and bind and obligate such Party with respect to all provisions contained in this Agreement.

10. OWNERSHIP OF DOCUMENTS AND OTHER MATERIALS.

All documents, including reports, drawings, estimates, programs, manuals, specifications, and all goods or products, including intellectual property and rights thereto, purchased under this Agreement with COUNTY funds or developed in connection with this Agreement will be and will remain the property of COUNTY, AUTHORITY and the SWFWMD.

11. REPORTS.

AUTHORITY will provide COUNTY with copies of any and all reports resulting from the PROJECT.

12. ASSIGNMENT.

Except as otherwise provided in this Agreement, no Party may assign any of its rights or delegate any of its obligations under this Agreement, including any operation or maintenance duties related to the PROJECT, without the prior written consent of the other Party. Any attempted assignment in violation of this provision is void.

13. SUBCONTRACTORS.

Nothing in this Agreement will be construed to create, or be implied to create, any relationship between COUNTY and any subcontractor of AUTHORITY.

14. THIRD-PARTY BENEFICIARIES.

Nothing in this Agreement will be construed to benefit any person or entity not a party to this Agreement.

15. PUBLIC ENTITY CRIMES.

Pursuant to Subsections 287.133(2) and (3), Florida Statutes, a person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid, proposal, or reply on a contract to provide any goods or services to a public entity; may not submit a bid, proposal, or reply on a contract with a public entity for the construction or repair of a public building or public work; may not submit bids, proposals, or replies on leases of real property to a public entity; may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity; and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, Florida Statutes, for Category Two, for a period of 36 months following the date of being placed on the convicted vendor list. AUTHORITY agrees to include this provision in all subcontracts issued as a result of this Agreement.

16. DISCRIMINATION.

Pursuant to Subsection 287.134(2)(a), Florida Statutes, an entity or affiliate who has been placed on the discriminatory vendor list may not submit a bid, proposal, or reply on a contract

to provide any goods or services to a public entity; may not submit a bid, proposal, or reply on a contract with a public entity for the construction or repair of a public building or public work; may not submit bids, proposals, or replies on leases of real property to a public entity; may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity; and may not transact business with any public entity. AUTHORITY agrees to include this provision in all subcontracts issued as a result of this Agreement.

17. GOVERNING LAW.

All aspects of this Agreement are governed by Florida law and venue will be in Marion County, Florida.

18. SURVIVAL.

The provisions of this Agreement that require performance after the expiration or termination of this Agreement will remain in force notwithstanding the expiration or termination of this Agreement.

19. ENTIRE AGREEMENT.

This Agreement constitute the entire agreement between the Parties and, unless otherwise provided herein, may be amended only in writing, signed by all Parties to this Agreement.

IN WITNESS WHEREOF, the Parties hereto, or their lawful representatives, have executed this Agreement on the day and year set forth next to their signatures below.

WITHLACOOCHEE REGIONALWATER SUPPLY AUTHORITY

By: _____ Date _____

Printed: _____ ITS (TITLE): _____

17C-051 WRWSA Irrigation Evaluation Program Agreement

MARION COUNTY, A POLITICAL SUBDIVISION OF THE STATE OF FLORIDA

By: _____ Date _____

MOUNIR BOUYOUNES,
COUNTY ADMINISTRATOR

Item 14.a.

Executive Director's Report

Bills to be Paid

December 2016 provided in meeting materials.

**January 2017 to be provided at meeting
in supplemental materials.**

Withlacoochee Regional Water Supply Authority
3600 W. Sovereign Path, Suite 228, Lecanto, Florida 34461

Bills For Payment
12/21/2016

<u>Administrative Invoices</u>	<u>Invoice Number(s)</u>	<u>Invoice Date</u>	<u>Amount</u>
Richard S. Owen, AICP, Executive Director	2016-11	12/4/2016	\$6,893.64
Larry Haag, Attorney	32504 / 32505	12/6/2016	\$665.00
Diane Salz, Governmental Affairs / Professional Fee	#113016	11/30/2016	\$3,500.00
Diane Salz, Governmental Affairs / Travel	#113016	11/30/2016	\$191.98
C. LuAnne Stout, Administrative Assistant	011-Nov-2016	12/5/2016	\$3,125.00
James Adkins (Nov Bd Travel)		11/16/2016	\$19.58
Al Butler (Nov Bd Travel)		11/16/2016	\$27.59
Dale Swain (Nov Bd Travel)		11/16/2016	\$27.59
Karen Allen, Web Maintenance	#81	12/8/2016	\$87.50
Sun Trust Business Card Statement (Nov pkts, postage N822)	12.2.2016	12/2/2016	\$174.58
Total Administrative Invoices			\$14,712.46

<u>Water Supply Studies and Facilities</u>	<u>Contract/ Budget</u>	<u>Balance Remaining</u>	<u>Current Invoice(s)</u>
General Services Contract	\$75,000.00	\$50,000.00	
Work Order 17-01. Water Resource Associates	\$25,000.00		
FY2016-17 Water Conservation Grants Program			
Citrus County	\$36,875.00		
Hernando County	\$47,500.00		
Marion County	\$35,245.00		
Phase 3 Irrigation Program	\$3,500.00	\$1,500.00	\$500.00 (1)
Phase 4 Irrigation Program	\$200,000.00		
Northern District Grndwtr Flow Model Ext (PO 2016-01)	\$12,500.00	\$12,500.00	
Total Project Invoices	\$435,620.00	\$64,000.00	\$500.00

Total Bills to be Paid	\$15,212.46
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State Board of Administration	Transfer from SBA2 to SBA1	\$500.00
State Board of Administration	Transfer from SBA1 to SunTrust Bank	\$15,212.46

Notes:

(1) Phase 3 (N640) - Reinspections

Jack Overdorff, ECO Land Design \$500.00 Invoice 243

Item 14.b.

Executive Director's Report

Bank Resolution and Signature Card

Bank Resolution and Signature Card

Mr. Richard Owen, WRWSA Executive Director, will present this item.

Following the election of new officers for the Authority, a new business account signature card is needed to provide the bank with a list of authorized signatures. The Board must also take action on a "Deposit Account Resolution and Authorization." These documents are included as exhibits to this item.

See Exhibits.

Staff Recommendation:

The Board approve and authorize the Chairman, the Vice-Chairman, the Treasurer, and the Ex Officio Secretary to execute the new bank signature card and the *Deposit Account Resolution and Authorization* with Sun Trust Bank.

Item 14.c.

Executive Director's Report

Correspondence



January 3, 2017

Ms. Vivian Young, AICP
Communications Director
1000 Friends of Florida
Post Office Box 5948
Tallahassee, Florida 32314-5948

Dear Ms. Young:

I am responding to your letter dated October 10, 2016 requesting the Withlacoochee Regional Water Supply Authority (WRWSA) sponsor the 2017 DeGrove Webinar Series. This request was presented to the WRWSA Board at its November 16, 2016 meeting. The Board concurred with the staff recommendation to not fund this request. Although we recognize the value of 1000 Friends of Florida and the webinar series put on by the organization, we did not believe there is a direct enough nexus between the webinar series and the responsibilities of the WRWSA to justify this funding.

I sincerely wish you the best in obtaining sponsorships for this valuable webinar series. I, as a professional planner, participate in the series to maintain my knowledge of important issues facing Florida and to help maintain my AICP status.

Please feel free to contact me if I can be of any assistance.

Sincerely,

Richard S. Owen, AICP
Executive Director

RSO:cls

Item 14.d.

Executive Director's Report

News Articles

Crystal not clear: Significant harm at King's Bay, Crystal River

Dr. Bob Knight, guest column, 12/4/16

Saturday, December 3, 2016 at 5:37 pm (Updated: December 3, 6:02 pm)

North Florida's nature photographer laureate, John Moran, said it best when he paraphrased author Mark Twain: "The mightiest river in Florida is the River of Denial that flows through Tallahassee." Under tight control from the state's capital, the Southwest Florida Water Management District is telling us that the springs that feed King's Bay and Crystal River on Florida's Nature Coast in Citrus County have more flow than they need to be healthy. But I ask you: "When was the last time those springs looked healthy to you?"

When I first boated and swam at Tarpon Hole in 1977, the water was crystal clear. The bottom of the spring was visible in 65 feet of water. When the Florida Springs Institute completed the King's Bay Phytoremediation Demonstration Project last year, we were lucky to see the bottom in areas with only six feet of water.

Not only is water clarity in King's Bay almost entirely gone, so are the eelgrass and other native plants that historically covered the bottom of the bay. Those plants were the natural salad bar that supported large populations of game fish and manatees which are foundational for the region's tourism economy.

The King's Bay aquatic ecosystem is not healthy. In fact, it is just one of many severely impaired water bodies in coastal Florida. Nutrients and salinity are on the rise and water clarity is in free fall. The plant community is now dominated by algae, both free-floating planktonic and filamentous benthic species that cover the sediments. The noxious blue green alga, *Lyngbya*, regrows almost as fast as the Rotary Club can rake and haul it out of the bay.

Repeated efforts to dredge the benthic algae and to re-plant eelgrass at great public cost have failed due to rising salinity in the groundwater coming from the springs, as well as from Gulf storms. The Southwest Florida Water Management District has spent millions to fix King's Bay's problems, yet the bay continues to degrade despite a plethora of additional plans and studies.

The latest insult to those who treasure Crystal River's springs is the district's draft plan to establish minimum flows. The 1972 Florida Water Resources Act required the adoption of minimum flows for the 70-plus springs feeding King's Bay. After 44 years of injurious delay and inaction, the water management district has somehow concluded that an additional 12 percent decline in flows at King's Bay/Crystal River will not cause "significant harm." This claim, brought to you at great expense by district staff and paid consultants, rings as true as recent promises by presidential candidates. Political science is the art of coercing real scientists to defend decisions being made in Tallahassee.

The U.S. Geological Survey, the most respected hydrological agency in the world, reported that the average natural historic flows of the King's Bay/Crystal River springs system were between 916 and 975 cubic feet per second (between 592 million and 630 million gallons per day). More recent measurements document that the average spring flow during the past decade has plummeted to 389 cubic feet per second (251 million gallons per day), a greater than 58 percent decline.

This well-documented flow decline at the King's Bay/Crystal River springs is validated by the concurrent reduction in water clarity caused' by free-floating, planktonic algae. These microscopic plants have more time to multiply in a stagnant water environment resulting from drastically reduced flows, and their growth is fueled by rising spring nutrients and saltwater intrusion.

The principal underlying cause of the observed flow decline, saltwater intrusion, and elevated nutrient concentrations at King's Bay/Crystal River is excessive urban and agricultural development. The only way to reverse the algae problems and restore water clarity in King's Bay is to dial back groundwater pumping and fertilizer use throughout the Southwest Florida Water Management District.

The Crystal River springs are silent. You must be their voice if you want to see them and the entire King's Bay ecosystem restored to health. Let the district's Governing Board know that you do not support the proposed minimum flow for King's Bay/Crystal River and that you adamantly oppose their decision to further reduce spring flows.

Tell the Governing Board members that you want Crystal River clear again, starting with a district-wide reduction of permitted groundwater pumping.

Remember Mark Twain's other famous words: "Whiskey is for drinking, water is for fighting over!"

Dr. Bob Knight is director of the Howard T. Odum Florida Springs Institute. To learn more about restoring the King's Bay/Crystal River Springs System, visit the institute's website at www.floridaspringsinstitute.org and visit the North Florida Springs Environmental Center in High Springs.

Knight column about springs contained errors

Chris J. Anastasiou, guest column, 12/11/16

Saturday, December 10, 2016 at 5:52 pm (Updated: December 10, 6:01 pm)

Re: Dec. 4 guest column by Bob Knight titled "Crystal not clear."

As the leading scientific agency in the region charged with managing the water resources for west-central Florida, it is my professional obligation to point out some fatal flaws in the arguments posed by Bob Knight in the Dec. 4 guest column: "Crystal not clear."

While Knight correctly points out some of the issues facing King's Bay, he fails to disclose all of the facts, instead using inaccurate statements that call into question the professionalism and ethics of some of the finest scientists I have ever had the honor to work with.

For example, he paints an overly simplistic picture blaming over-pumping and nitrate pollution as the root of all the issues facing King's Bay, and efforts to improve the bay a "waste of time." I have had the privilege to work closely with many dedicated individuals and groups who call Crystal River home, and we are committed to restoring the aquatic habitat of King's Bay.

Mr. Knight insinuates that establishment of a Minimum Flow and Level limit (MFL) is conducted behind closed doors. This couldn't be farther from the truth. The district voluntarily subjects all technical data, methodologies, models and scientific assumptions used to support development of the proposed minimum flows to independent scientific peer review. The district also invites the public to make comments and methodically addresses every one of those comments.

It is important to remember the MFL is an essential tool to protect King's Bay for future generations. The district welcomes and encourages objective and fact-based dialogue, which does not stop once the MFL is adopted. Science is an evolutionary process and so is the MFL. But it takes a community to work together to make positive change happen. And guess what? Through the efforts of community-based programs like the District's Springs Coast Steering Committee, One Rake at a Time, the Manatee Ecotourism Association (META), Save Crystal River and many others, the district and its partners are doing just that.

Chris J. Anastasiou, Ph.D., is chief scientist of Natural Systems & Restoration with Southwest Florida Water Management District.

Column: Progress in protecting our water resources

By Bob Mercer, special to the Times
Monday, December 12, 2016 3:56pm

Editor's note: Bob Mercer, vice president of the board of directors of Save Crystal River, a nonprofit dedicated the preservation of natural resources, responds to "Springs in peril," the Dec. 5 column by Bob Knight, director of the Howard T. Odum Florida Springs Institute.

Bob Knight got one thing right: We have an impending water supply crisis we need to address. But he suggests the Florida Legislature and agencies have done little to solve the problem. This is simply not the case. In addition to data collection, agencies have identified and prioritized issues and potential solutions that impact spring flow and water quality.

We agree water demand is a factor. But weather patterns are ultimately responsible for aquifer and spring recharge. In dry cycles, spring flow is decreased. In wet cycles, it's increased. But weather patterns are changing and we need to manage to accommodate them.

In attributing reduced flows strictly to demand, Knight ignores the latest U.S. Geological Survey thinking that includes consideration of tidal effects. Sinkholes are another factor. For example, we know that a sinkhole 20 years ago may have caused a drop in the flow of King Springs. Save Crystal River Inc. has removed many cubic feet of material out of spring vents. In fact, we opened up some 70 small spring vents in the process.

Another common cause of spring flow reduction is the high water table. It is relatively easy to dig into the water table, diverting water from underground into the excavation. Recently, a contractor for the Florida Department of Transportation was doing routine maintenance to a retention pond when he hit the water table filling the retention pond with what was previously underground flow.

Agencies have data. And we've used it. For example:

- Crystal River eliminated a spray field and now pipes reclaimed water to provide 710,000 gallons per day of cooling and cleaning water to Duke Energy.
- Hundreds of septic systems and several antiquated package plants near Kings Bay and Crystal River have been removed. This wastewater will be part of a central sewer system, adding to the quantity of reclaimed water available for use. This protects the environment and reduces demand for potable water.
- The Three Sisters Wetland Treatment System will remove an estimated 423 pounds of nitrogen per year from Kings Bay.
- The Southwest Florida Water Management District has completed a Surface Water Improvement and Management, or SWIM, plan that provides a list of projects to address water quality, water quantity and natural system improvements.
- The Florida Department of Environmental Protection has completed a Basin Management Action Plan that indicated management actions necessary to improve Kings Bay water quality.

- Save Crystal River has spearheaded a sediment removal and replanting project that is being done in cooperation with Swiftmud. It will have a major long-term effect on water clarity and quality by removing over 30 years of detritus from the bottom. We've seen oxygen levels increase along with many species of fish and other organisms.
- Citrus County's recent adoption of more stringent fertilizer use was one of the recommendations in the SWIM plan. And several of our golf courses now use reclaimed water, which reduces the need for potable water irrigation and fertilizer impacts to our waters.
- Many members of the Citrus County Agricultural Alliance are establishing best management practices.

We have a road map and we are implementing it as funding becomes available.

One more thing. Salinity also affects sea grass health. This year, Hurricane Hermine drove the salinity in the Hunter Springs up for about 24 hours. This killed invasive hydrilla and water hyacinth. Our sea grass planting pilot study and Swiftmud's three test plots were also affected. But our genetically modified "Rockstar" sea grass is very resilient and coming back. We've learned from this and have modified our planting to include Salty Dog eelgrass, which is even more salt tolerant.

The fact is, the project has been successful, although we are still learning and will continue to learn. The Legislature and DEP have provided funding for the past year and are expected to provide funding for the upcoming projects. The Kings Bay Restoration Project is recognized statewide as a model for public/private partnerships, which includes the city, Citrus County, Swiftmud and DEP. We hope to be as successful as the Tampa Bay Estuary program has been.

Make MFL rules as strong as possible

Anne Harvey Holbrook, guest column, 12/25/16

Saturday, December 24, 2016 at 4:59 pm (Updated: December 24, 5:01 pm)

I write in response to a number of articles that have circulated in recent days regarding the minimum flows and levels (MFL) rulemaking process for Crystal River and King's Bay. Save the Manatee Club (SMC) regularly works on issues in the area, since those waters serve as critical warm water refuge for a large population of Florida manatees. I have had the privilege of getting to know Dr. Anastasiou and other members of his team, as well as members of the Crystal River community, through our work together on the SWIM, BMAP and now MFL development, while the Florida Springs Institute has been a longtime ally in working to protect and recover Florida's springs.

It is because all of the parties involved have put forth such tremendous efforts at recovering the water quality of Crystal River and King's Bay that we should be concerned with the draft MFL, which proposes a further 12 percent reduction in spring flows.

As the peer review process draws to a close, there will be further opportunity for scientific and technical analyses, but ultimately, no matter how good the science may be, it is based on policy that does not prioritize conservation.

MFLs are, by statute, "the limit at which further withdrawals would be significantly harmful to the water resources or ecology of the area." In developing MFLs across Florida, the water management districts operate under the assumption that a 15 percent reduction in ecological function of a waterway is the threshold for significant harm. It is that baseline assumption that allowed the District to conclude that an additional 12 percent flow reduction is permissible, based primarily on how much of an increase in salinity would result in a 15 percent loss of ecological function.

In the case of Crystal River and King's Bay, this 15 percent loss of resources and 12 percent flow reduction is more damaging for being calculated from present day conditions. The draft MFL acknowledges, and then mysteriously discounts, historical USGS data indicating that predevelopment flows were approximately 916-975 cubic feet per second (cfs), compared with today's average flows of 389 cfs. Climactic changes can account for some, but not all, of this disparity, and in any event preserving the resource means doing so under drought as well as high rainfall conditions. The MFL makes no effort to do this, which may prove a crucial oversight if the goal is to preserve the springs and bay for future human and ecological uses.

The fundamental problem with adopting a too-low MFL is that, once withdrawals are permitted, the damage is done. It is not only difficult to revoke individual permits if collective damage to the spring is discovered, but once aquifer levels are depleted and spring flows are critically impaired, recovery may take years, if indeed it is even possible. Below a certain threshold, the ecology of the spring may collapse in a downward cascade, where reduced flow allows lyngbya and other nuisance vegetation to take over, choking the waterway, increasing sedimentation, depleting oxygen, and building up nutrients that cloud the water with algae.

SWIM and BMAP project plans, including installing sewer systems to reach additional residents, muck removal, and strengthened fertilizer ordinances, are indispensable components of improving water quality, but these efforts are undermined by the policy decision to allow reduced spring flows in the system.

We should all be working to maximize the efficacy of these efforts by assuring adequate spring flows to Crystal River and King's Bay. As Dr. Anastasiou noted, "the MFL is an essential tool to protect King's Bay for future generations." Let's make sure it is strong enough to get the job done.

Anne Harvey Holbrook is staff attorney for Save the Manatee Club.

County utility does its part to conserve our water

THE ISSUE: Citrus County Utilities recognized by EPA.

OUR OPINION: County's small utility makes big splash.

Sunday, December 4, 2016 at 4:47 pm (Updated: December 4, 4:47 pm)

In an appeal to conserve water for the sake of future generations, the late A.P. J. Abdul Kalam, a career scientist who became the 11th president of India, portrayed a world where water is more precious than gold or diamonds in his apocalyptic "Letter from 2070."

In Kalam's world of 2070, all of the rivers, lakes, dams and underground water beds are either dry or contaminated. There are no trees or green fields because it seldom rains. Each individual is only allowed a half glass of water daily. And, desalination plants are the main source of employment with workers receiving part of their salary in drinkable water.

Similarly fixing its eyes on the future's water supply, the Environmental Protection Agency (EPA) launched the voluntary WaterSense partnership program in June 2006. With the goal of protecting the U.S. water supply, the program has helped Americans save 1.5 trillion gallons of water through the leveraging of relationships with utility, manufacture and retail partners across the U.S.

Given that water is becoming an increasingly scarce resource, moderate projections that our state's population will swell from 20 million to 34 million by 2070 with a corresponding 54 percent increase in the daily demand for water, conserving water is an imperative for Florida communities. Recognizing this imperative, Citrus County Utilities (CCU) began offering customer rebates for water-saving products in 2008 and became a WaterSense partner in 2014.

Guided by a comprehensive five-year water conservation plan implemented in 2011 and the laudable efforts of the county's water conservation manager Debra Burden and the five-member water conservation team comprised of Debbe Hooper, Edwin Bugbee, Thomas McConnell, Steve Davis and Sarah Wilson, CCU is making important conservation strides with simple, cost effective water efficiency products and practices.

In recognition of its promotion of water efficiency and WaterSense labeled products in 2015, CCU was one of seven recipients nationally of the EPA's 2016 Promotional Partner of the Year Award during a recent WaterSmart Innovations Conference in Las Vegas. For a small 23,000 customer base utility to be recognized as a leader in saving water for future generations, it is a distinctive honor for CCU that all should be proud of.

With the continuing support of the Board of County Commissioners and the public's cooperation, the water efficiency strides being made one drop at a time by CCU will ultimately help to avert Kalam's apocalyptic portrayal of life in the year 2070.

TV Series Gives Florida Homeowners Chance Complete Yard Makeover While Helping Florida Go Green

Tuesday, December 6, 2016

Crawford Media Group, creators of the hit Emmy-award winning television show “how to Do florida, hosted by Chad Crawford” is releasing a new environmental-based series during the spring of 2017 called “Flip My Florida Yard.” The new series will challenge the way Floridians look at their role in preserving the state’s most precious resource, its water, by educating them on the benefits of a native, Florida-friendly yard that requires less watering, fertilizer, etc.

“When we are done with a yard, we’ll see that homeowner using 70 percent less water and 50 percent less chemicals, and that will save them money and more importantly, it’s good for Florida.”

Lake Mary, Fla. (PRWEB) December 05, 2016

Florida is facing a crisis that many are aware of, but few know what to do about. That crisis involves the state’s most precious resource, water. With almost half of the state’s water consumption going to yards and with 15 million new residents expected in the next 54 years, it is time to rethink this problem. It doesn’t have to be this way. Fortunately, there is one answer that experts say might be revolutionary, but the time to start is now, beginning one Florida yard at a time.

Crawford Media Group, creators of the hit Emmy-award winning television show “how to Do florida” is releasing a new environmental-based series during the spring of 2017 called “Flip My Florida Yard.” The new series will challenge the way Floridians view their role in preserving the state’s water by educating and empowering them on the benefits of a native, Florida-friendly yard that requires less chemicals, fertilizer and watering. To get a taste of the new series, a trailer can be seen here, <https://Vimeo.com/187992983>.

The inspiration for the show comes from “how to Do florida” host Chad Crawford and his passion to conserve Florida’s water. Through this show, Crawford is inviting residents to be part of the solution. “Over the past 10 years, I’ve seen our water slowly suffer,” said Crawford. “Just like many residents, I watched and read the news reports on what’s happening with the Lake Okeechobee discharge, and I asked, what can I do to make a difference. This is something we all can do!”

Crawford’s crew filmed a pilot episode that was part of the most recent season of “how to Do florida.” In that episode, the crew flipped a yard owned by the Volkmann family in the Bradenton area by removing all landscaping and replacing it with Florida-friendly landscaping and grass. “When we are done with a yard, we’ll see that homeowner using 70 percent less water and 50 percent less chemicals, and that will save them money and more importantly, it’s good for Florida,” Crawford added.

“One of my favorite parts of my new yard is the beautiful wildflowers that attract all of the colorful butterflies,” said resident Berni Volkmann and recipient of a Florida yard makeover in Bradenton. “It is also a relief to not have to keep up with weeding and other maintenance and to know that my yard is great for the environment,” she added.

Just as Volkman did, Floridians will be able to enter their yards to be considered for an episode of “Flip My Florida Yard.” Those who would like the free opportunity to get their yards flipped should complete the online form here, <https://www.surveymonkey.com/r/YardMakeover>.

The new series will be broadcast through local affiliates throughout the state of Florida, beginning in the spring of 2017.

Partnership for the series includes the Alachua County Environmental Protection Department, St. John's Water Management District, FANN, FNGLA and the Florida Irrigation Society. See what some of these experts are saying about this new and innovative series that is sure to be a win-win for viewers and for Florida.

"Alachua County has several public springs and other resources that are in danger, due to polluted runoff entering our aquifer. For this reason, we are thrilled to have 'Flip My Florida Yard' come to Alachua County, as the program really embraces the principles of converting intensive landscapes to ones that need a lot less chemicals and water. We have to act now, so we can preserve the natural beauty of our state for generations to come!"- Stacie Greco, Water Conservation Coordinator at Alachua County Environmental Protection Department.

"One of the great benefits of living in Florida is our year-round ability to enjoy our state's natural beauty, but that way of life is being threatened. We must make better choices as Floridians. 'Flip My Florida Yard' brings tips and expert knowledge we can all use in our own landscapes. We couldn't be more excited to be part of this effort!"- Jennifer Nelis, Director of Communications and Marketing at Florida Nursery Growers and Landscape Association (FNGLA).

"We love Chad Crawford, and Flip My Florida Yard is a timely, and fantastic opportunity for us to express our love and contribute to the Authentic Florida that we have enjoyed for so many years through Florida-friendly landscaping. FANN members were honored to serve in the first pilot episode, showcasing some of our native plants and landscaping that compliment this new movement. What a fun and effective way to help Florida residents go really green! — Cammie Donaldson, CEO at Florida Association of Native Nurseries (FANN).

Crawford Entertainment was founded by television host Chad Crawford in Lake Mary, Fla. He is a third-generation Floridian whose quest is to enable viewers how to experience and care for Florida, which is the driving force behind his company's mission. Crawford is married to Kristy, and together they have four children.

Water district to update structure

By The Staff

Thursday, Dec. 15, 2016 at 7:34 pm / Published Friday, Dec. 16, 2016

The Southwest Florida Water Management District is planning to perform maintenance on the S-353 water control structure in northern Citrus County on the Tsala Apopka outfall canal, between the northern extent of the Hernando pool of the Tsala Apopka Chain of Lakes and the Withlacoochee River.

The work will begin Dec. 21 and will continue through June 1. During that time, public access to the structure will be limited for safety reasons. As part of the work, a temporary berm will be constructed in the canal upstream of the structure to prevent loss of water from the Hernando pool during the maintenance.

This project will be the first major refurbishment of the aging structure, which was built in 1968. Improvements will include work to increase the life of the structure and reduce future maintenance requirements, including concrete repair, gate refurbishment, electrical upgrades and site maintenance. The maintenance does not include any activities that would change the size of the structure or its ability to convey water.

The structure's gates are remotely operated to help maintain optimum water levels in the Hernando pool of the Tsala Apopka Chain of Lakes. The canal serves as the main outfall for the lake chain during potential flood events.

For more information, call the district at 352-796-7211.

St. Johns staff now recommends approval of water request

By Fred Hiers

Posted Dec 30, 2016 at 5:23 PM

Ocala - Two years after St. Johns River Water Management District staffers warned Sleepy Creek Lands LLC that they would recommend that the district board deny the cattle operation's request for more water, those staffers have now made an about-face and recommended approval - and then some.

The staff announced in a recent report that it recommends Sleepy Creek, previously called Adena Springs Ranch, be allowed to increase its water use by as much as 1.22 million gallons per day (mgd) for part of its 30,000-acre cattle operation in northeast Marion County. The district board will meet Jan. 10 in Palatka to consider the matter.

Staffers said the reversal is based on better computer modeling and better data that were recently collected and analyzed. They said the change would have minimal impact on Silver Springs and the Silver River.

Environmentalists say the staff change of heart is a result of pressure from the wealthy applicant and political urging from higher ups.

"The spring can't take this," said Robert Knight, director of the Howard T. Odum Florida Springs Institute in Gainesville and president of the Silver Springs Alliance, an environmental watchdog group that has opposed Sleepy Creek's cattle project.

Knight said that staff's argument - that the new recommendation is based on better modeling - is "ludicrous."

"The science didn't change. What's changed is the way they evaluated everything," he said.

Water district officials deny the charge, saying the new modeling came about independent of Sleepy Creek's application.

The new staff recommendation "wasn't driven by any permit issue," said Doug Hearn, technical program manager for the agency's Water Supply Planning division.

He said the new model was developed as part of the district's effort to create state-required minimum flows and levels for both the Silver and Rainbow rivers. And now that the more accurate model is available, it is also being used to help evaluate water permit requests.

This turn of events is just the latest in years of fighting between Sleepy Creek and environmentalists who oppose it.

At issue are two adjacent sod farms south of County Road 316 and east of County Road 315 in Fort McCoy.

In 2014, Sleepy Creek requested permission from the water district to pump an additional 1.12 mgd for its northern tract. District staffers recommend denial, noting that the withdrawal "would contribute to cumulative harm to the ecology of Silver Springs and the Silver River."

Two years later, things have changed significantly. Staff is now recommending that Sleepy Creek be allowed to pump even more than what it had originally sought. They are recommending the board approve a 1.22 mgd increase for a total Sleepy Creek allocation of 2.68 mgd for 2017-2023.

After that, staff is recommending the board reduce Sleepy Creek's use limit again to the current 1.46 mgd for 2024-2034.

Why the change? After the initial recommendation, Sleepy Creek requested several time extensions so it could file challenges. The water district approved the extensions.

On Oct. 3, Sleepy Creek asked staff to reconsider its request in light of the new and improved computer model program. And while it was at it, Sleepy Creek also asked the district to consider an additional 0.14 mgd for the northern tract.

That's when the staff changed its mind and agreed to recommend approval.

Broken down, the staff's recommendation would allow a total of 2.207 mgd for the northern tract. Most of that water would be used for agricultural purposes to irrigate pasture. The remaining 0.14 mgd would be used at the meat processing plant, also in the northern tract.

The east tract would be allowed to withdraw 0.478 mgd.

Sleepy Creek's plan is to convert the 7,208 acres of the north tract and about 1,010 acres of the east tract into part of the cattle grazing and processing operation. To do that, Sleepy Creek plans to irrigate 2,231 acres of the tracts to produce enough grass and hay to feed the cattle.

Staff in its report said that after reviewing Sleepy Creek's data and its own computer modeling, the "district staff conclude that the applicant has provided reasonable assurance that the proposed increase in the use of water will not contribute or exacerbate cumulative (predicted) harm to the ecological structure and functions of Silver Springs and the Silver River through 2023."

On the water district website, the district wrote: "The applicant's proposed use of water was found to be a reasonable-beneficial use, will not interfere with any existing legal use of water and is consistent with the public interest."

Sleepy Creek is owned by Austrian/Canadian billionaire Frank Stronach, who made his fortune in the international auto parts business. He also owns several race tracks, including Santa Anita Park in California, Pimlico Race Course in Maryland, and Gulfstream Park in Florida. Sleepy Creek did not respond to a request for an interview for this story.

Rich Burklew, St. Johns' regulatory division bureau chief, said that to understand the staff's new recommendation, it's important to know a little about the history of the water district's modeling process.

Until recently the modeling was based on the best geological data available. The problem with the former North Central Florida model was that it included data from the Silver Springs springshed, but not data from the nearby Rainbow Springs springshed.

The model was also based on regional data and not data more recently collected closer to the two springs.

The new model, called the Northern District Groundwater Flow Model Version 5.0, was created in partnership with the Southwest Florida Water Management District, he said, and far better reflects what's happening underground around both springs.

The new model used "significantly different" data and as a result "created a different picture" as to the amount of water that could be safely withdrawn from the aquifer, he said.

As for any suggestion that anyone applied pressure on staff to change its recommendations, Hearn said: "There's not been anybody that's pushed or solicited any specific answer" from the model.

Hearn said he simply put in the data and the results were handed over without modification. Burklew said the same, and reiterated he's received no pressure to accommodate Sleepy Creek.

Sleepy Creek made its original request for water in December 2011, asking for permission to pump as much as 13.2 mgd - more than the total amount used by city of Ocala. Since then, amid vigorous opposition from the public and environmental groups, it has stepped down its requests in a series of modified applications

Knight, from the springs institute in Gainesville and the Silver Springs Alliance, said Sleepy Creek's strategy appears to be winning small, piecemeal victories in hopes that the public loses interest or fails to understand the incremental moves. At the same time, Sleepy Creek applies pressure on the district with its own data and keeps arguing the science until staff relents.

"They're coming in bits and pieces. That's my sneaky suspicion," Knight said.

Knight also disagrees that Silver Springs, which he says has suffered 40 percent reduced flow in the past few decades, won't be affected by more water being siphoned from the area. He said the modeling parameters have been changed and data more favorable to the applicant have been introduced into the process.

And the timing wasn't coincidental either, Knight said. Staff's announced about-face was made during the holidays in hopes the public wouldn't notice, Knight alleges. He said a legal challenge is likely. The problem is that it would cost environmental groups about \$500,000 to pay for studies that would prove the withdrawal harms the springs. And that is money the groups don't have, he said.

Meanwhile Sleepy Creek and the water district have deep pockets.

So, you rely on a judge who understands the issues "or you lose, and the public will probably lose," Knight said.

The best way to halt the board's vote for now is for about 1,000 people to attend the board meeting and object to the staff's recommendations.

"We're not just going to stand by and let this happen," Knight said, but warned that getting the district to go against staff's recommendation will be a "monumental task."

Bob Knight: Stronach's 14-billion-gallon water grab

By Bob Knight
Special to the Star-Banner
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In late 2011, Frank Stronach, Austrian/Canadian billionaire, made quite a name for himself by simultaneously donating \$1.5 million to the University of Florida's Institute of Food and Agricultural Sciences (IFAS) and applying for a 13.2 million-gallon-per-day water permit for a cattle ranch in Marion County. Lured to the idea of profiting by producing "grass-fed beef" by staff at the IFAS Citra Research Center, Stronach named his 30,000-acre cattle farm Adena Springs Ranch and filed for the use of more groundwater per day to grow his grass than is extracted by the entire City of Ocala.

In true Southern fashion, the good folks of Marion County (specifically excluding the water management district Governing Board and the county and city boards) united against this plan and turned out in record numbers in 2012 to oppose the water use permit and the idea of putting 17,000 more cattle in the springshed of local natural wonder, Silver Springs.

Confidence in the power of the people to thwart the ambitions of the rich and famous was high when Adena reduced their permit request to 5.3 million gallons per day in 2013 and changed their name to Sleepy Creek Lands.

After finally withdrawing their revised permit application, Sleepy Creek hired a new lawyer and various lobbyists who worked out of the public view to seal the deal with state agencies for a series of bite-size permit requests, starting with 1.46 million gallons of groundwater per day.

Following a noble David vs. Goliath administrative challenge by the public against their state government, this permit was approved, granting a 20-year groundwater extraction of about 10.7 billion gallons of water that otherwise would have flowed out of Silver Springs.

Last week we found out that Frank Stronach's team of hired guns is back for the inevitable next bite at our region's water supply. On Tuesday, Jan. 10, 2017, the St. Johns River Water Management District is primed to grant Sleepy Creek Lands the next installment in their plan to tie up the public's water, specifically 1.22 million gallons per day more through 2023 (another 3 billion gallons of groundwater allocation).

The Governing Board's decision to consider this permit tramples science into the mud by reversing their technical staff's recommendation not to issue the same permit in 2014. District staff, several of whom were promptly fired after the release of the negative technical staff report, concluded that significant harm would occur to the natural environment at Silver Springs if the district gave away more groundwater. In fact, they concluded that this additional permitted withdrawal, in combination with all other water use permits, would reduce Silver Springs flow by about 50 million gallons per day, causing adverse harm to the spring-fed river and surrounding floodplain wetlands.

Nearly 14 billion gallons of Florida's most precious resource - fresh groundwater - has been or soon will be allocated to Mr. Stronach for his personal financial gain. The market price for bottled water from Florida's springs is about \$1 per gallon. So, these two consumptive use permits translate into a possible \$18 billion-dollar gross profit for Mr. Stronach.

Grass in Marion County, the same grass that supports Ocala's renowned thoroughbred horses, grows just fine with rainfall and without irrigation. The St. Johns River Water Management District Governing Board should side with the original recommendations of its technical staff, with the public will, and with iconic Silver Springs, and not issue another groundwater extraction permit to this billionaire or to any other applicant.

Consider attending the district's Governing Board meeting in Palatka on Jan. 10. You will have a chance to speak directly to the board members who may approve this fiasco. Their names are John Miklos (chairman), Fred Roberts Jr., Charles Drake, Ron Howse, Douglas Bournique, John Browning Jr., Douglas Burnett, Maryam Ghyabi, and Carla Yetter. These people are the face of Florida's government who are sacrificing Florida's sustainable water future for the interest of short-term profits. They are the ones who ultimately will be required to answer when Silver Springs stops flowing. Be sure to bring your children and grandchildren to Palatka to witness first-hand how government decisions are made. It will be a real lesson in citizenship.

- Dr. Bob Knight is director of the Howard T. Odum Florida Springs Institute and author of "Silenced Springs - Moving from Tragedy to Hope." Go online to www.floridaspringsinstitute.org for more information.

