

GENERAL MANAGER REGULAR ITEM #090303
AUGUST 20, 2009

City of Waldo

2009 MAY 26 AM 10: 58

*Established 1859*

*P.O. Drawer 3
Waldo, FL 32694
(352) 468-1001 fax (352) 468-2482*

May 20, 2009

Mayor Pageen Hanrahan & Gainesville City Commissioners
City of Gainesville
P.O. Box 490
Gainesville, Florida 32602-0490

Dear Mayor Hanrahan & Commissioners:

The City of Waldo needs to expand the City's current wastewater treatment plant. Our Engineers, Mittauer & Associates are investigating various options for the City of Waldo. One option they have been looking into is the possibility of transmitting the City's wastewater to the City of Gainesville by constructing a transmission main from the City of Waldo to a connection point within GRU's system. Various factors that will affect the viability of this option are the Capacity Fees that Gainesville would charge the City to reserve capacity within one of their treatment plants and the Bulk Service Charge that Gainesville would charge the City based upon the volume of wastewater transmitted to Gainesville's system (usually on a monthly basis).

The City of Waldo would like to make a formal request of the City of Gainesville for the below option.

1. That the City of Waldo, as part of our planned upcoming WWTP expansion, is interested in transmitting the City's wastewater flows to the City of Gainesville's wastewater system;
2. That the City of Waldo is initially interested in obtaining 100,000 gpd of treatment capacity within the City of Gainesville's system, with a future total of 200,000 gpd of capacity;

3. That the City of Waldo would like to determine what the Capacity Fee to obtain 100,000 gpd of treatment capacity within the City of Gainesville's system would be as well as the future Capacity Fee when the City would need to obtain an additional 100,000 gpd of capacity;

4. That the City of Waldo would like to determine what the volumetric Bulk Service Charge for transmitting wastewater flows to the City of Gainesville would be:

Please let us know if this is a viable option for the City of Waldo. Thank you as always for your time and attention to this request.

Sincerely,



Louie Davis
Mayor

Cc: Mr. Ron Herget
Mittauer & Associates



GAINESVILLE REGIONAL UTILITIES

Water/Wastewater Systems

GENERAL MANAGER REGULAR ITEM #090303
AUGUST 20, 2009

July 31, 2009

Kim Worley, City Manager
City of Waldo
P.O. Drawer B
14655 Kennard St.
Waldo, FL 32694

RE: Request for Assistance Regarding Sewer

Dear Ms. Worley:

This letter is in response to the May 20, 2009 letter from Waldo Mayor Louie Davis to Gainesville Mayor Pegeen Hanrahan and the Gainesville City Commission regarding provision of wastewater service to the City of Waldo. We appreciate you considering us to assist you in this matter. As you are aware, GRU currently receives biosolids from the Waldo wastewater treatment plant, which has been a mutually beneficial business relationship.

Provision of wastewater service from GRU to the City of Waldo would require approval from the Gainesville City Commission. Below are preliminary costs we developed in response to your questions regarding the costs for connecting to GRU's wastewater system and for bulk wastewater service. For comparison, the table also shows our standard connection charges and rates.

	Waldo (Estimated)	GRU Regular Customer
Connection Charge (2010 proposed)		
Cost/gpd	\$6.885	\$8.412
Cost for 100,000 gpd	\$688,500	\$841,200
Wastewater Rate (2010 proposed)		
Customer Charge (\$/mo)	\$6.00*	\$6.00
Usage Rate (\$/kgal)	\$2.89	\$5.07

**Waldo would pay a single customer charge of \$6/month*

These costs are preliminary and are based on our proposed Fiscal Year 2010 rates. Future Waldo connection charges and rates would escalate similarly to our regular customer connection charges and rates. We would need to better define the scope of service before we can give you a firm price. These costs are based on the assumption that Waldo would maintain its own gravity collection system and master pump station, and would maintain the portion of the transmission force main outside of Gainesville's

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urban reserve. GRU would send Waldo a single monthly bill. Waldo would continue to bill its individual customers.

To assist you further in evaluating your options, we developed a preliminary capital cost opinion for the master lift station and pipeline needed to transfer wastewater from Waldo to Gainesville (see attached). These costs are preliminary and should not be used for budgeting. However, they do provide order of magnitude costs which may be useful to you in evaluating your alternatives. As indicated, we estimate the capital cost at roughly \$5 to \$6 million. The primary reason for the high cost is due to the long force main length (11 miles). In addition, we anticipate that some upgrades to the GRU's system (specifically GRU Lift Station 6) would be required. Also, there are several engineering issues related to the pipeline length that would need to be worked out. We are concerned that the costs are extremely high such that it would likely be more feasible for Waldo to upgrade its existing plant or construct a new plant of its own.

We hope this information is helpful to you. We will be happy to discuss this further with you if you would like. Please feel free to call me at (352) 393-1612.

Sincerely,



David M. Richardson
Assistant General Manager W/WW Systems

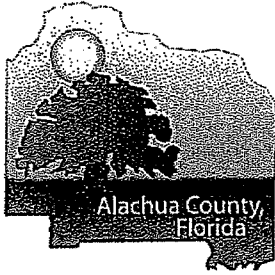
CC: Bob Hunzinger, General Manager, GRU
Honorable Mayor and Members of the City Commission, City of Gainesville
Mayor Louie Davis, City of Waldo
Mittauer & Assoc. Inc.

Attachment
Preliminary Construction Cost Opinion for WW Lift Station and Force Main Connection to GRU WW System

	<u>Cost</u>		<u>Comment</u>
<u>I. Capital Costs</u>			
Lift Station at Waldo	\$300,000		Lift station will need to include storage
8" FM from Waldo to GRU	\$1,710,000		8" FM from Waldo WRF site to GRU FM at 39th Ave & Waldo Rd 57,000 ft at \$30/ft. Assumes available Right of Way
Road Crossings	\$100,000		21 Road Crossings (~1,000 ft of boring at \$100/ft)
Subtotal	\$2,110,000		
Contingency (25%)	\$527,500		
Subtotal	\$2,837,500		
Contractor OH & Profit, MOB, Insurance (23%)	\$808,625		
Admin & Construction Oversight (25%)	\$859,375		
Engineering (10%)	\$263,750		
Subtotal	\$4,167,250		
Additional Contingency	\$100,000	to	\$1,000,000 Odor control, corrosion control, possible LS6 upgrades Possible booster pumping station*
Total Estimated Construction Cost	\$4,267,250	to	\$5,167,250
<u>II. Estimated GRU Wholesale Connection Charges</u>			
Estimated Connection charge for 100,000 gpd wholesale wastewater service (FY2010)**	\$888,500		Based on \$8.885/gpd x 100,000 gpd
Total Estimated Cost to Connect to GRU	\$4,955,750	to	\$5,855,750

*There are significant concerns related to the length of Force Main (11 mi) and relatively low flow rate. This may require specialized design to overcome corrosion, odor and gas-lock conditions. May also require a booster pump station. Upgrades to GRU LS6 will likely be required. No detailed analysis has been done on how these issues will be resolved, therefore costs provided here have significant uncertainty.

**GRU in no way guarantees the accuracy of these costs. More detailed analysis will be required to develop firm costs if this alternative will be further considered.



Alachua County Board of County Commissioners

Cynthia Moore Chestnut, *Chair*
Lee Pinkoson, *Vice Chair*
Paula M. DeLaney
Rodney J. Long
Mike Byerly

Administration
Randall H. Reid
County Manager

December 18, 2009

Mr. Steven C. Dopp
North Central Florida Regional Planning Council
2009 NW 67th Place, Suite A
Gainesville, FL 32653-1603

**RE: City of Waldo Wastewater System Improvements Project
SAI # FL200911205027C**

Dear Mr. Dopp,

Alachua County has received a request for comment from the Florida State Clearinghouse Local Government Coordination program on the proposed City of Waldo Wastewater System Improvements project through the U.S. Department of Agriculture, Water and Waste Disposal Systems for Rural Communities funding application process. The project would involve interconnecting the City of Waldo's existing wastewater collection system to Gainesville Regional Utilities (GRU) wastewater system, by installing a new force main along Waldo Road (SR 24) which would extend across unincorporated areas of the County between Waldo and Gainesville. Alachua County generally supports this project, as it has been initiated in response to a Consent Order issued by Florida Department of Environmental Protection (FDEP), requiring the City of Waldo to construct modifications to its existing wastewater treatment plant to be consistent with FDEP Rules.

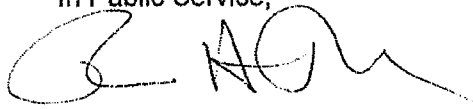
The Alachua County Comprehensive Plan contains policies on extension of water and sewer lines into the unincorporated area outside the County's Urban Cluster (see attached map), which the County, the City of Waldo, the City of Gainesville, and GRU are coordinating on, and will continue to address as the project moves forward. Policy 3.5 of the Potable Water and Sanitary Sewer Element requires approval by the Board of County Commissioners of utility extensions outside the Urban Cluster based on one of several findings, including that, "the absence of such facilities would result in a threat to public health or safety". Staff is recommending that the Board of County Commissioners make a determination that the project is consistent with the Comprehensive Plan based on the finding that constructing the project addresses the public health and safety issues underlying the FDEP Consent Order. We expect that the Board of County Commissioners will address this issue at its next regular meeting on January 12, 2010, and make a decision on the formal finding of consistency with the Alachua County Comprehensive Plan.

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Following the County Commission meeting on January 12, it is expected that there will be continued coordination between County staff, the City of Waldo, the City of Gainesville, and Gainesville Regional Utilities to prepare an interlocal agreement which would address limits on wastewater system connections in the unincorporated area outside the Alachua County Urban Cluster, and that such connections would require approval by the Board of County Commissioners.

Alachua County looks forward to continued coordination with the City of Waldo, City of Gainesville, and Gainesville Regional Utilities on these issues. Please contact Ben Chumley, Senior Planner, at (352) 374-5249 if you have any questions.

In Public Service,



Randall H. Reid
County Manager

Attachments:

Alachua County Comprehensive Plan Policies on Utility Extension
Alachua County Comprehensive Plan Future Land Use Map

Cc:

Board of County Commissioners (5 copies to Commission Secretary)
Kim Worley, City Manager, City of Waldo
Erik Bredfeldt Planning and Development Services Director, City of Gainesville
David Richardson, Gainesville Regional Utilities
Jennifer McElroy, Gainesville Regional Utilities
David Wagner, Alachua County Attorney
Richard Drummond, Assistant County Manager
Chris Bird, Director, Alachua County Environmental Protection Dept.
Rick Hedrick, Director, Alachua County Public Works
Steve Lachnicht, Director, Alachua County Growth Management

Alachua County Comprehensive Plan Policies on Extension of Water and Sewer Lines

Future Land Use Element

Policy 6.2.2 Central water and sanitary sewer lines shall not be extended into the Rural/Agricultural area, unless these services are needed to correct a public or environmental health threat, or as necessary for the efficient delivery of services to the Urban Cluster, as provided in the adopted Potable Water and Sanitary Sewer element.

Potable Water and Sanitary Sewer Element

Policy 3.5 Proposed extensions of potable water and sanitary sewer lines outside of the Urban Cluster designated by the Future Land Use Element shall be subject to approval by the Board of County Commissioners. Approval of such extensions shall be based on one or more of the following:

- a. the Alachua County Board of County Commissioners finds that the absence of such facilities would result in a threat to the public health or safety; or
- b. the Alachua County Board of County Commissioners finds that the extension of such facilities is necessary to enhance the safe, effective, and efficient delivery of central potable water or sanitary sewer service within an existing urban service area; or
- c. the Alachua County Board of County Commissioners finds that the extension of such facilities would serve a purpose consistent with the Alachua County Comprehensive Plan, such as the retention and expansion of existing business and industry or the attraction of new business and industry in accordance with the Economic Element of this Plan, or the service of institutional or tourist/entertainment uses consistent with the Future Land Use Element; or
- d. the Alachua County Board of County Commissioners finds that the extensions of such facilities is needed as part of a comprehensive expansion of public services to encourage urban development in a new area as part of a comprehensive plan amendment. In this case, such a finding must be consistent with Policy 3.6 below.

Policy 3.6 Central potable water and sanitary sewer systems may be extended into new areas as part of a planned extension of urban services to that area based upon the following factors:

- a. population growth rate;
- b. maintenance of level of service standards for the potable water or sanitary sewer system;
- c. adequacy of existing and planned supporting infrastructure;

Approval of such extensions would require the following:

- Identification, scheduling, and designated funding for capital improvements to other public facilities needed to extend urban services. Such projects shall be incorporated into the five-year capital improvement program of the Alachua County Capital Improvement Element.
- Adoption of necessary amendments to the Future Land Use map extending the urban cluster boundary.

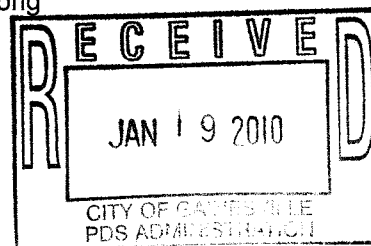
Alachua County Board of County Commissioners



Cynthia Moore Chestnut, *Chair*
Lee Pinkoson, *Vice Chair*
Paula M. DeLaney
Rodney J. Long
Mike Byerly

Administration
Randall H. Reid
County Manager

January 12, 2010



Mr. Steven C. Dopp
North Central Florida Regional Planning Council
2009 NW 67th Place, Suite A
Gainesville, FL 32653-1603

**RE: City of Waldo Wastewater System Improvements Project
SAI # FL200911205027C**

Dear Mr. Dopp,

In accordance with the Florida State Clearinghouse Local Government Coordination process, I provided a letter of comment concerning the City of Waldo proposed wastewater system improvements project on December 18, 2009. The letter (attached) indicated it was expected that the Alachua County Board of County Commissioners would consider this item at its next regular meeting on January 12, 2010, and make a decision on consistency of the proposed wastewater line extension with policies in the Alachua County Comprehensive Plan regarding utility extensions such as the one proposed by the City of Waldo. Today, the County Commission addressed this item and decided that more time was needed to consider the matter, and voted to continue the discussion to its next meeting on January 26th at 1:30 p.m. We will notify you of the results of that discussion and the Board's decision.

If you have any questions, please contact Ben Chumley, Senior Planner, at (352) 374-5249.

In Public Service,

Randall H. Reid
County Manager

See attachments and distribution list on following page

P.O. Box 2877 ■ Gainesville, Florida 32602 ■ Tel. (352) 264-6900 ■ Fax (352) 338-7363
TDD (352) 491-4430
Commissioners' E-Mail: bocc@alachuacounty.us ■ Home Page: www.alachuacounty.us

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Attachments:

Letter from County Manager Randall H. Reid dated December 18, 2009

Cc:



Board of County Commissioners (5 copies to Commission Secretary)
Kim Worley, City Manager, City of Waldo
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