

Tuesday
August 6, 2013
Gautier, Mississippi

BE IT REMEMBERED THAT A REGULAR MEETING of the Mayor and Council of the City of Gautier, Mississippi was held August 6, 2013 at 6:30 PM in the City Hall Municipal Building, 3330 Highway 90, Gautier, Mississippi.

Those present were Mayor Gordon Gollott, Council Members, Johnny Jones, Hurley Ray Guillotte, Casey Vaughan, Mary Martin, Rusty Anderson, Adam Colledge, City Manager Samantha Abell, City Clerk Cynthia Russell, City Attorney Robert Ramsay and other concerned citizens.

**REVISED-AGENDA
CITY OF GAUTIER, MISSISSIPPI
CITY HALL COUNCIL CHAMBERS
August 6, 2013 @ 6:30 PM**

- I. Call to Order
 - 1 Prayer
 - 2 Pledge of Allegiance
- II. Agenda Order Approval
- III. Announcements
 - 1 Testing of voting machines Monday, August 12, 2013, 12:00 PM at Jackson County Election Commission office
 - 2 **Absentee Voting for “Pennies for Parks” 2% Referendum Tax August 17th – August 24th**
 - 3 **“Pennies for Parks” 2% Referendum Tax Election Tuesday, August 27th**
- IV. Presentation Agenda
 - 1 Donation of a microchip scanner to the City of Gautier Animal Control by Helene Hicks of Jackson County Spay and Neuter
 - 2 Recognition of the retirement of Police Lt. Thomas Spicer
- V. Public Agenda
 - 1 Agenda Comments
- VI. Business Agenda
 - 1 Order authorizing the City to re-advertise bids for the Allen Road Project
 - 2 Order approving a legal services agreement for the City Manager and Human Resources Director to consult with Heidelberg, Steinberger, Colmer and Borrow

- 3 Order authorizing the City to advertise for professional services for Martin Bluff Road Widening Project: STP9194-00(0001)LPA105069-801000
- 4 Order approving Streetscape Project #R-109-192-01-KCR Change Order #10
- 5 Order approving Coca-Cola Contract for the provision of beverages at City facilities
- 6 Order authorizing submission of grant application for FY2013 Staffing for Adequate Fire and Emergency Response (SAFER) Grant
- 7 Order authorizing retired Lieutenant Tom Spicer to purchase his on-duty weapon and remove weapon City inventory
- 8 Order authorizing submission of grant application to K9s4COPs Organization for a police department service dog
- 9 Order approving MS Office of Highway Safety FY2014 Alcohol Impaired Driving DUI Enforcement Program Grant Acceptance
- 10 Resolution approving City's Comprehensive Fees Schedule
- 11 Order approving appointments to Library Board
- 12 Order approving appointments to Recreation Advisory Committee
- 13 Order approving appointments to Historic Preservation Commission
- 14 Order approving appointments to Technical Review Committee
- 15 **Order approving appointments to Municipal Election Commission**
- 16 Order approving Sustainability and Energy Optimization Proposal from Schneider Electric to develop an Electrical Energy Assessment and Optimization Plan for ClearWater Solutions for the City of Gautier's water and wastewater distribution system. The value of this contract in the amount of \$10,000.00 is negotiated within the professional services of the ClearWater Contract. There is no financial impact to the City
- 17 Order approving Docket of Claims

VII. Consent Agenda (All items approved in one motion)

- 1 Order approving 2% Referendum Tax Election Contract with Jackson County Election Commissioners Danny Glaskox and Joe Barlow
- 2 Order approving Council Meeting Minutes from July 16th and Retreat July 22nd
- 3 Resolution approving the continuance of the Emergency Deep Water Horizon Oil Spill
- 4 Order ratifying annual renewal agreement with Southern Pest Control
- 5 Order authorizing Seaman & Associates to perform a review appraisal for Town Center Project
- 6 Order ratifying annual renewal agreement with Redd Pest Solutions
- 7 Order ratifying agreement for Engineering Services with Goodwyn, Mills & Cawood, Inc.

- 8 Order approving Planning Commission Meeting Minutes from March 7th and April 4th
- 9 Order authorizing extension of G&K Uniform Service Contract for an additional two (2) weeks of billing

**STUDY AGENDA
CITY OF GAUTIER, MISSISSIPPI
August 6, 2013**

- 1 Discuss Citizen Comments
- 2 Discuss Council Comments
- 3 Discuss City Manager Comments
- 4 Discuss City Clerk Comments
- 5 Discuss City Attorney Comments

Recess until August 20, 2013 at 6:30 PM
www.gautier-ms.gov

Agenda Order of Approval

Motion made by Councilman Guillotte, seconded by Councilwoman Martin to remove Business Agenda Item #2, move Business Agenda Item #16 to Business Agenda Item #2, table Business Agenda Items #11-14 until August 20th meeting.

Announcements

- 1 Testing of voting machines Monday, August 12, 2013, 12:00 PM at Jackson County Election Commission office
- 2 Absentee Voting for “Pennies for Parks” 2% Referendum Tax August 17th – August 24th
- 3 “Pennies for Parks” 2% Referendum Tax Election Tuesday, August 27th

Presentation Agenda

- 1 Donation of a microchip scanner to the City of Gautier Animal Control by Helene Hicks of Jackson County Spay and Neuter
 - 2 Recognition of the retirement of Police Lt. Thomas Spicer
-

There came for consideration of the Mayor and Members of the Council of the City of Gautier, Mississippi, the following:

ORDER NUMBER 178-2013

IT IS HEREBY ORDERED by the Mayor and Members of the Council of the City of Gautier, Mississippi, that the City is hereby authorized to re-advertise for bids for the Allen Road Project.

IT IS FURTHER ORDERED that the City Manager or City Clerk is authorized to execute any and all documents necessary.

Motion was made by Councilman Jones, seconded by Councilwoman Martin and the following vote was recorded:

AYES:	Gordon Gollott Mary Martin Johnny Jones Hurley Ray Guillotte Casey Vaughan Rusty Anderson Adam Colledge
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NAYS:	None
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MAYOR

ATTEST:

CITY CLERK

PASSED AND ADOPTED by Mayor and Members of the Council of the City of Gautier, Mississippi, at the meeting of August 6, 2013.

**CITY OF GAUTIER
MEMORANDUM**

To: Samantha Abell, City Manager
From: Patty Huffman, Grants & Projects Manager
Through: Chandra Nicholson, Economic Development and Planning Director
Date: July 31, 2013
Subject: Bid Advertisement for Allen Road Project

REQUEST:

The Economic Development & Planning Department requests approval to re-advertise for bids for the Allen Road Improvements Project.

BACKGROUND:

City Council approved entering into a Capital Improvements Revolving Loan Program (CAP) Agreement (Order # 199-2012, August 21, 2012) with the Mississippi Development Authority to complete capital improvements including promenade enhancements on Allen Road. Once re-advertising for bids is approved by City Council, the City's Purchasing Agent will advertise for bids including dates for submission and the opening of bids.

RECOMMENDATION:

City staff recommends that City Council approve the re-advertisement of the Allen Road project for bids as specified above.

The City Council may:

1. Approve re-advertising for bids as described above; or
2. Disapprove re-advertising for bids.

ATTACHMENT(S):

N/A

There came for consideration of the Mayor and Members of the Council of the City of Gautier, Mississippi, the following:

ORDER NUMBER 179-2013

IT IS HEREBY ORDERED by the Mayor and Members of the Council of the City of Gautier, Mississippi, that the Sustainability and Energy Optimization Proposal from Schneider Electric to develop an Electrical Energy Assessment and Optimization Plan for Clearwater Solutions for the City of Gautier's water and wastewater distribution system. The value of this contract in the amount of \$10,000.00 is negotiated within the professional services of the ClearWater Contract. There is no financial impact to the City.

IT IS FURTHER ORDERED that the City Manager or City Clerk is authorized to execute any and all documents necessary.

Motion was made by Councilwoman Martin, seconded by Councilman Anderson and the following vote was recorded:

AYES: Gordon Gollott
 Mary Martin
 Johnny Jones
 Hurley Ray Guillotte
 Casey Vaughan
 Rusty Anderson
 Adam Colledge

NAYS: None

MAYOR

ATTEST:

CITY CLERK

PASSED AND ADOPTED by Mayor and Members of the Council of the City of Gautier, Mississippi, at the meeting of August 6, 2013.



**SUSTAINABILITY
AND
ENERGY OPTIMIZATION PROPOSAL**

For



**City of Gautier, MS
&
ClearWater Solutions**

July 3, 2013: Rev A



July 3, 2013: Rev A

ClearWater Solutions
3305 Gauttier Vancleave Road
Gautier, MS 39553

Schneider Electric
508 Upland Way
Anderson, SC 29621

Attention: *Mr. Chad Jordan, P.E.*

T: 864.784.1002

SUBJECT: Sustainability and Energy Optimization Proposal

Dear Chad,

It was a pleasure meeting with you to discuss the operations and energy needs for City of Gautier MS water and wastewater distribution operation. Thanks for the meeting and subsequent walk through of the Pump and Lift stations on June 3, 2012. Further, the information forwarded by you was very helpful. Schneider Electric is pleased to submit a proposal of \$10,000 based on the information provided and the on site pump and lift station walk through.

Details of the proposal are included for your review. Feel free to comment and please contact me with questions or to schedule a meeting to discuss the details and next steps to move a solution forward.

Yours truly,

Schneider Electric

Lee E. Ferrell, P.E., BCEE
Energy and Process Consultant
508 Upland Way
Anderson, South Carolina 29621
C: 864) 784 1002
Email: lee.ferrell@schneider-electric.com

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1. Introduction

1.1. Industry Overview

The objective of the work effort is to develop an Electrical Energy Assessment and Optimization Plan for ClearWater Solutions for the City of Gautier MS water and wastewater distribution system. The work involves identifying energy and utility savings projects and providing the associated economic analysis.

Schneider Electric will perform an on-site survey and the subsequent evaluation and analysis of utility systems, plant processes, and energy savings options.

1.2. Project Team

The Schneider Electric Team focuses on water and wastewater process and energy optimization. With current staffing of approximately 130 people, the division utilizes Professional Engineers and Certified Energy Managers in twenty two locations throughout North America. As projects are implemented, Schneider Electric can mobilize over 500 field employees dedicated to energy efficiency.

Schneider Electric will draw upon its team of experts to assist in the City of Gautier, MS. carrying out its Energy Assessment and Optimization Plan:

2. Statement of Work

The proposed work plan consists of three major tasks. These tasks provide an organized approach to collecting, analyzing, and documenting the necessary information to support the project objective. The results of these tasks will be compiled in a written Energy Action Assessment and Optimization Report. The task areas are as follows:

1. Utility Analysis
 - Review and analysis of historical invoicing and power consumption from Mississippi Power at both plants and related pump stations.
 - Benchmarking with similar utilities, and/or comparisons to Best Practices within the drinking water industry.
2. Facility Load Profile
 - Facility tours, equipment familiarization, staff interviews, and assessment of office buildings.
 - Analysis of pumps to determine applications and utilization for maximum power efficiencies at anticipated flow conditions.
 - Conduct a minimum of 2 Meetings with ClearWater Solutions staff to include the following:
 - A kickoff meeting to review project..
 - One day meeting with appropriate team members to review processes and interview staff.
 - Follow up meeting to review and finalize data to complete report.

- Draft report review meeting and presentation for plant managers and others as required.
3. Opportunity Identification
- Identification of opportunities to optimize energy use at pump stations, treatment plants and Laboratory and General Manager's office building.
 - Identification of opportunities to utilize alternative or nontraditional energy sources or rate structures.
 - Preparation of brief report identifying energy conservation measures, practices, or projects to optimize electrical energy utilization.

2.1. Utility Analysis

The first task area at the facility will be to determine the energy and utility costs for pump, lift stations and other power usage areas. The total utility budget will provide the framework for the investigation.

We will gather utility rate schedules. We will also develop facility profiles and gather available data related to the consumption of utilities at the site.

The data required for this study includes billing information, consumption histories, rate tariffs, existing supply contracts, and future growth plans that will affect electric and fuel consumption. A request for information related to these energy and utilities will be developed and submitted prior to site visits to facilitate and streamline data collection.

The utility evaluation will involve analysis of existing rate tariffs, experimental riders, and other opportunities in regulated tariffs. Examples include totalization of multiple accounts, aggregation of loads, and load profiling for leveraging rate negotiations. Additionally, the team will conduct research to benchmark energy consumption with similar utilities, compare best practices within the drinking water industry and report findings in the final report.

2.2. Facility Load Profile

The second task area will be to examine the internal systems and equipment that account for the expenditures mentioned above. This will help us focus attention on the areas that have the greatest potential for savings. The Facility Load Profile will allow us as investigators to learn the various utility systems and determine their contribution to the overall utility costs at the site. In doing so, we will gain an understanding of their configurations and sequences of operation and will develop a basis for potential energy and cost saving recommendations.

2.3. Opportunity Identification

The utility cost data and facility load information will allow us to identify typical energy saving opportunities at the site. Here we will use our experience investigating, operating, and optimizing energy and utility system modifications in similar environments.

We will support our recommendations with estimates of dollar savings potential for each opportunity and approximate simple payback.

The site visit to pump and lift stations will allow for us to identify potential Energy Conservation Measures. Some of the detailed areas to be investigated are as follows:

2.3.1 Power Monitoring Analysis

An evaluation of the networking of the existing power monitoring equipment and overall coordination of information with the Mission RTU/SCADA system will be conducted. Gaining the ability to monitor power usage throughout the facility will allow for a better development of a baseline and benchmarking capability. In addition, key performance indicators can be developed with power and process integration such as wire to water efficiencies of pumps and overall process efficiencies.

2.3.2 Evaluation of Variable Frequency Drive Potential

Schneider Electric will evaluate all system Variable Frequency Drive opportunities and any Federal, State and private industry rebates, incentives or loan programs for energy, demand or load reduction programs.

In addition, the existing VFDs will be evaluated for the ability to communicate power data over the network to the RTU/SCADA system. This will also allow for better data to determine efficiency of your operations.

2.3.3 Pump Optimization

Pump Optimization and Scheduling will require an assessment of each pump and pump system. The evaluation will determine if pump optimization and scheduling is needed to improve efficiency. Also, an analysis of pumps and pump systems will be conducted to determine applications and utilization for maximum power efficiencies at anticipated flow conditions. Flow, pressure and other water balance data will be evaluated.

3. Financial Goals

The overall goals for any proposal from Schneider Electric would include the following:

- Recover cost of any detailed study in less than nine (9) months.
- Reduce Power Costs by at least 10% at current rates within 36 months.
- Identify components for replacement or upgrade where costs would be recovered within 36 months.
- Identify components for replacement or upgrade that also provide process improvements that recover costs within 60 months or less.
- Identify operational opportunities that could provide cost savings, improved process control, improved quality of work life or utilize "alternative" sources of energy.
- Identify energy conservation measures.
- Evaluate the feasibility of pump and blower optimization and scheduling program.