

**Lee County Board Of County Commissioners
Agenda Item Summary**

Blue Sheet No. 20061051

1. ACTION REQUESTED/PURPOSE: Approve and authorize the Chairwoman to sign Change Order No. 5 to the Professional Service Agreement (PSA) with Burns and Roe Enterprises, Inc. (Lee Contract No. 2821) providing for additional design work for the water treatment system. This equipment is required for the WTE expansion project. Total Change Order amount is not to exceed \$171,149.00.

\$175,445.00 (4/5)

2. WHAT ACTION ACCOMPLISHES: Provides the final design for the water treatment system for the existing and expanded waste to energy facility. Implementation of this design is expected to reduce operating cost by approximately \$85,000.00 per year.

3. MANAGEMENT RECOMMENDATION: Staff recommends approval of the requested motion.

4. Departmental Category: 8

C88

5. Meeting Date: August 22, 2006

6. Agenda:

- Consent
- Administrative
- Appeals
- Public
- Walk-On

7. Requirement/Purpose: (specify)

- Statute
- Ordinance
- Admin. Code AC 4-4
- Other

8. Request Initiated:

Commissioner _____
 Department Public Works
 Division Solid Waste
 By: **Lindsey J. Sampson**

9. Background:

The Basis of Design included in the Professional Service Agreement with Burns and Roe Enterprises contemplated the need for engineering design for revisions to the water treatment system at the existing facility to serve the existing and new combustion units. Particularly, the system provides re-treatment of cooling tower waste water for reuse in the boilers. The initial design was established by the County in 2005 but it was decided that this system's design required additional changes in order to maintain original operating requirements of the existing facility. Now all required information has been established and the revised design work can be completed.

Funds are available in Account: 20092340131.506510, Solid Waste Processing Equip. – SW Mgmt – Professional Services

Attachments: Change Order No. 5 (Form)

10. Review for Scheduling:

Department Director	Purchasing or Contracts	Human Resources	Other	County Attorney	Budget Services				County Manager/P.W. Director
					Analyst	Risk	Grants	Mgr.	
<i>J. Smucker</i> 8.8.06	<i>J. Smucker</i> 8/8/06	<i>N.H.</i> 8/8/06		<i>S. Hill</i> 8/8/06	<i>W. Hill</i> 8/8/06	<i>W. Hill</i> 8/8/06	<i>W. Hill</i> 8/8/06	<i>W. Hill</i> 8/8/06	<i>J. Smucker</i> 8.9.06

11. Commission Action:

- Approved
- Deferred
- Denied
- Other

RECEIVED BY
 COUNTY ADMIN: *W*
 8/9/06
 10:15 am
 COUNTY ADMIN
 FORWARDED TO: *1*
S. Hill

Rec. by CoAtty
 Date: 8/8/06
 Time: 10:15 AM
 Forwarded To:
 Cnty Admin
 8/10/06 11:37 am

LEE COUNTY PROFESSIONAL SERVICE/SERVICE PROVIDER AGREEMENT
CHANGE ORDER/SUPPLEMENTAL TASK AUTHORIZATION

Change Order
 Supplemental Task Authorization

NO.: 5

(A Change Order or Supplemental Task Authorization Requires Approval by the Department Director for Expenditures Under \$50,000 or Approval by the County Manager for Expenditures Between \$50,000.01 and \$100,000 or Approval by the Board of County Commissioners for Expenditures over \$100,000)

CONTRACT/PROJECT NAME: Design, Engineering, Procurement Services for WTE Expansion Project

CONSULTANT: Burns & Roe Enterprises, Inc. PROJECT NO.: CIP 200923

SOLICIT NO.: CN 04-02 CONTRACT NO.: 2821 ACCOUNT NO. N.A.

REQUESTED BY: Lee County DATE OF REQUEST: 6/15/06

Upon the completion and execution of this Change Order or Supplemental Task Authorization by both parties the Consultant/Provider is authorized to and shall proceed with the following:

EXHIBIT "CO/STA-A" SCOPE OF PROFESSIONAL SERVICE: DATED: 8/6/06

EXHIBIT "CO/STA-B" COMPENSATION & METHOD OF PAYMENT: DATED: 8/6/06

EXHIBIT "CO/STA-C" TIME AND SCHEDULE OF PERFORMANCE: DATED: No Change

EXHIBIT "CO/STA-D" CONSULTANT'S/PROVIDERS ASSOCIATED
SUB-CONSULTANT(S)/SUB-CONTRACTORS: DATED: No Change

EXHIBIT "CO/STA-E" PROJECT GUIDELINES AND CRITERIA DATED: No Change

It is understood and agreed that the acceptance of this modification by the CONSULTANT/PROVIDER constitutes an accord and satisfaction.

RECOMMENDED:

ACCEPTED

COUNTY APPROVAL:

By: _____
Department Director Date

By: _____
Consultant/Provider

By: _____
Department Director (Under \$50,000)

By: _____
Contracts Management Date

Date Accepted: _____

Date Approved: _____

(CORPORATE SEAL)

By: _____
County Manager
(Between \$50,000.01 and \$100,000)

APPROVED: _____
*County Attorney's Office Date

Date Approved: _____

By: _____
Chairwoman
Board of County Commissioners
(Over \$100,000)

Date Approved: _____

* County Attorney signature needed for
over Board level expenditures only

CMO:023
03/14/2006

____ SUPPLEMENTAL AGREEMENT No. ____ (continued)
or
X CHANGE ORDER AGREEMENT No. 5 (continued)

EXHIBIT "S/COA-A"
Date: August 6, 2006

SCOPE OF SERVICES for Design, Engineering & Procurement Services for the WTE
Expansion Project

SECTION 1.00 SUPPLEMENT(S) TO, OR CHANGE(S) TO
PROFESSIONAL SERVICES

The "Scope of Professional Services" as set forth in Exhibit "A" of the Professional Services Agreement, or Service Provider Agreement, referred to hereinbefore is hereby supplemented, or changed, so that the CONSULTANT, or SERVICE PROVIDER, shall provide and perform the following professional services, tasks, or work as a supplement to, or change to, the scope of services previously agreed to and authorized:

Task CO5-1. Provide detailed engineering, design, and procurement services described in B&R letter proposal dated June 30, 2006 and as modified by B&R letter dated August 3, 2006 (copies attached) for design of the water treatment equipment and facilities (including modifications to existing water treatment equipment).

Services include, but are not limited to, preparation of all necessary design/construction drawings and specifications, a supply and erect description and specifications for ancillary civil, mechanical, and electrical equipment/structures related to the 'County purchased water treatment equipment', bid assistance and evaluation, bid award documents (e.g. change order scope of services and conformed spec's.), contractor drawing/submittal review, responses to contractor RFI's, and services integrating the new water treatment system with the overall expansion project and existing facility.



August 3, 2006
BREI/LC LTR-027

VIA FED EX

Mr. Lindsey J. Sampson
Director, Solid Waste Division
Lee County
Board of County Commissioners
10500 Buckingham Road
Fort Meyers, FL 33905

**Subject: Lee County Waste to Energy Facility
Revised Proposal: Revision to Water Treatment System Engineering
Scope**

Reference: 1) BREI letter 026 dated June 30, 2006

Attachments: 1) Revised Pricing Sheet
2) Revised Manhour Breakdown
3) Revised Credit from Change Order 2 Scope of Work

Dear Mr. Sampson:

In accordance with our discussions held at the Project site on July 20, we have reviewed your comments and questions regarding the proposal submitted via reference (1), and offer the following:

- 1) A question was raised as to why the cost for the activity labeled "Prepare equip exp fnd dwgs 70% comment" was significantly greater than the same activity in CO 2. **RESPONSE:** CO 2 anticipated use of the existing recycle sump, which is no longer feasible. As a result, a new sump must be designed, increasing the hours to those shown on attachment 2.
- 2) BREI was requested to re-verify the number of motors in the recently purchased water treatment system specification, compared to the 50 assumed in the activity labeled "Create EWDs for WT motors". **RESPONSE:** Re-verification indicates there are approximately 16 drawings needed. Electrical estimate for this work has been reduced in attachments (1) and (2).
- 3) I incorrectly stated in reference (1) that BREI had completed issuance of a water treatment single line diagram under CO 2, and had excluded credit for this activity. I have since discovered that this work was not completed (although a

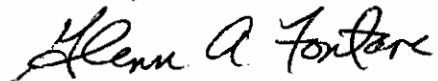
drawing was started), and have included credit for non-completion of this activity in attachment (3).

- 4) A question was raised as to whether the I&C activities regarding specification of flow elements and control valves for flow apportioning, addition to the Instrument and I/O Lists, and preparation of instrument locations were in the original scope. **RESPONSE:** The need for these instruments and valves was not known or anticipated at the time of pricing CO 2. Further, since the original intent was to purchase the design, fabrication and installation of the entire water treatment system in an EPC package, such instrumentation would have been required in the EPC contractor's design. Accordingly, BREI considers these items to be additional to PCN 001, and are included in attachments (1) and (2).
- 5) A question was raised as to why the activity "Prepare I&C logics for comment, incorporate client comments, issue final dwgs" increased from 8 hours in PCN 001 to 12 hours. **RESPONSE:** Some of the work had been done under PCN 001 based on the original concept to meet project schedule needs, and has to be redone with the new design. I provided credit for the full amount of 8 hours in attachment (3), and added the already expended hours to this proposal for convenience, since not all 8 hours in CO 2 were expended so the activity could not be considered "complete".
- 6) BREI was asked to revise the assumption that the water treatment shelter would be fully enclosed, and to enclose only the MCC area in a block wall structure. **RESPONSE:** This has been done in attachments (1) and (2), reducing the associated civil/structural hours for this work from 350 to 70 manhours.
- 7) BREI was asked if preparation of an erection specification package, and associated procurement tasks, was included in reference (1). **RESPONSE:** Such work was not included, but has been added to the revised pricing.

In summary, the revised total firm lump sum price for the water treatment system redesign is \$171,149.00 (One Hundred Seventy One Thousand, One Hundred Forty Nine Dollars), excluding expediting that is billed reimbursable. The estimate for additional expediting is \$4,296.00. Upon your approval, a schedule will be generated for completion of all tasks. However, per your direction, BREI continues to work expeditiously to complete the immediate tasks needed to progress the project.

We trust the above satisfactorily responds to your questions and comments, and your formal approval, and issuance of a Change Order to our Service Agreement is respectfully requested.

Sincerely,



Burns and Roe Enterprises, Inc.
Glenn A. Fontana
Project Manager

GF:ps

ATTACHMENT 1 – PRICING BREAKDOWN

	104	80	106	82	111	82	99	118	49	158	72	72	Total (excl exped)
	Mech. Eng	Mech D	Civil Eng	Civil D	Elect Eng	Elect D	I&C	Procure	Vend Doc	Proj Mgt	Proj Contr.	Exped*	
Prepare "Stand Alone" WT Spec (ref March	8,292	-	-	-	444	-	395	-	-	-	-	-	9,132
Prepare "Stand Alone" Engrg Layout/PIDs (ref													
March Progress Mtg)	5,804	-	425	-	222	-	198	-	-	-	-	-	6,649
Stand Alone Design Review and Discussions	1,244	-	318	-	333	-	593	-	-	-	-	-	2,488
Prepare "Integrated" WT Spec (ref April	6,219	-	-	-	444	-	395	-	-	-	-	-	7,059
Prepare "Integrated" Engrg Layout/PIDs (ref													
April Progress Mtg)	3,317	-	425	-	222	-	198	-	-	-	-	-	4,161
Integrated Design Review and Discussions	1,244	-	-	-	222	-	198	-	-	-	-	-	1,664
Prepare RO Renovation Criteria for Covanta	4,146	-	-	-	-	-	-	-	-	-	-	-	4,146
Review and discussions on RO Renovation	1,658	-	-	-	-	-	-	-	-	-	-	-	1,658
Prepare Scope/Interface P&IDs for Integrated													
Sys Spec & 70%	2,488	3,208	-	-	-	-	1,581	-	-	-	-	-	7,276
Incorporate client comments	829	962	-	-	-	-	-	-	-	-	-	-	1,792
Bid issue (address questions and comments)	1,244	-	-	-	-	-	-	1,895	-	-	-	-	3,139
Bid evaluation (includes meetings w/bidders)	7,048	-	212	-	1,778	-	395	4,738	-	-	-	-	14,171
Incorporate client comments into bid													
evaluation (included above)	-	-	-	-	-	-	-	-	-	-	-	-	-
Prepare/Issue Conformed Spec	1,858	-	-	-	-	-	-	1,895	-	-	-	-	3,554
Vendor drawing review/expediting	4,146	1,925	849	-	1,778	-	1,976	-	988	-	-	4,296	11,662
Prepare Area GA drawings for 70% comment	3,317	5,133	-	-	-	-	-	-	-	-	-	-	8,450
Incorporate client comments, issue final	829	1,283	-	-	-	-	-	-	-	-	-	-	2,112
Prepare WT P&IDs for 70% comment	2,488	6,416	-	-	-	-	-	-	-	-	-	-	8,904
Incorporate client comments, issue final dwgs	415	642	-	-	-	-	-	-	-	-	-	-	1,056
Prepare Interconnecting/Interfacing Piping													
drawings for 70% comment	1,244	9,624	-	-	-	-	593	-	-	-	-	-	11,461
Incorporate client comments, issue final dwgs	829	1,925	-	-	-	-	-	-	-	-	-	-	2,754
Work to Change from Furnish/Erect Spec to													
Equipment Supply Only (Additional to original													
PCN scope - Completed to Support Schedule)	12,438	1,925	-	-	-	-	-	-	-	-	-	-	14,363
Prepare Pad Demolition drawings for 70%	-	-	212	163	-	-	-	-	-	-	-	-	375
Incorporate client comments, issue final dwgs	-	-	212	163	-	-	-	-	-	-	-	-	375
Prepare equip exp fnd dwgs 70% comment	-	-	5,308	4,075	-	-	-	-	-	-	-	-	9,383
Incorporate client comments, issue final dwgs	-	-	1,062	1,630	-	-	-	-	-	-	-	-	2,692
Shop Drawing Review (Rein)	-	-	2,123	815	-	-	-	-	-	-	-	-	2,123
Revise Site Plan	-	-	2,123	815	-	-	-	-	-	-	-	-	2,938
Create EWDs for WT motors (16 drawings)	-	-	-	-	1,778	5,216	-	-	-	-	-	-	6,994
Incorporate client comments, issue final dwgs	-	-	-	-	444	1,304	-	-	-	-	-	-	1,748
Revise Grounding Plan for WT area (1	-	-	-	-	222	489	-	-	-	-	-	-	711
Create Conduit Plan for WT area (1 drawing)	-	-	-	-	444	3,260	-	-	-	-	-	-	3,704
Incorporate client comments, issue final dwg	-	-	-	-	444	815	-	-	-	-	-	-	1,259
Create Cable Tray Plan for WT area (1	-	-	-	-	444	1,956	-	-	-	-	-	-	2,400
Incorporate client comments, issue final dwg	-	-	-	-	444	652	-	-	-	-	-	-	1,096
Create Lighting Plan for WT area (1 drawing)	-	-	-	-	444	1,956	-	-	-	-	-	-	2,400

Incorporate client comments, issue final dwgs	-	-	-	-	444	489	-	-	-	-	-	-	-	-	-	-	-	-	933
Create One Line Diagram for WT MCC (1	-	-	-	-	2,666	326	-	-	-	-	-	-	-	-	-	-	-	-	2,992
Incorporate client comments, issue final dwg	-	-	-	-	1,778	326	-	-	-	-	-	-	-	-	-	-	-	-	2,104
Revise Key One Line Diagram (1 drawing)	-	-	-	-	444	-	-	-	-	-	-	-	-	-	-	-	-	-	444
Update Cable Schedule	-	-	-	-	222	6,520	-	-	-	-	-	-	-	-	-	-	-	-	6,742
Update Conduit Schedule	-	-	-	-	222	3,260	-	-	-	-	-	-	-	-	-	-	-	-	3,482
Specify/purchase new flow elements for flow	-	-	-	-	-	-	-	-	-	1,581	474	-	-	-	-	-	-	-	2,055
Specify/purchase new control valves for flow	-	-	-	-	-	-	-	-	-	1,581	474	-	-	-	-	-	-	-	2,055
Add to Instrum List	-	-	-	-	-	-	-	-	-	395	-	-	-	-	-	-	-	-	395
Add to I/O List	-	-	-	-	-	-	-	-	-	198	-	-	-	-	-	-	-	-	198
Add to location Drawings	-	-	-	-	-	-	-	-	-	198	-	-	-	-	-	-	-	-	198
Prepare Loop Diagrams	-	-	-	-	-	-	-	-	-	790	-	-	-	-	-	-	-	-	790
Prepare I&C logics for comment	-	-	-	-	-	-	-	-	-	1,186	-	-	-	-	-	-	-	-	1,186
Incorporate client comments, issue final dwgs	-	-	-	-	-	-	-	-	-	395	-	-	-	-	-	-	-	-	395
Prepare data link point list	-	-	-	-	-	-	-	-	-	790	-	-	-	-	-	-	-	-	790
Prepare graphic display	-	-	-	-	-	-	-	-	-	593	-	-	-	-	-	-	-	-	593
Microfiltration Stand alone roof structure	-	-	-	-	-	-	-	4,246	2,445	-	-	-	-	-	-	-	-	-	6,691
Project Supervision and Control	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7,584	1,718	-	9,302
SUBTOTAL	70,897	33,042	17,515	9,291	15,887	26,569	9,476	988	988	14,227	9,476	1,718	4,296	207,195					
Credit PCN001	8,634	6,256	9,788	5,218	9,110	815	3,952	988	988	-	-	-	-	42,736					
Net Proposal														164,458					

* Expediting included for reference only, billed at actuals

**ENCLOSED MCC ROOM
ENGINEERING/DESIGN:**

4,246 2,445

6,691

GRAND TOTAL

171,149

ATTACHMENT 2 – MANHOURLY BREAKDOWN

Mn-hrs

Task Description	Lee County Waste to Energy Expansion Project Project Change Notice (PCN) No. 1 Water Treatment System						Total (excl. expnd)
	Mech.	Eng	Mech	Civil	Eng	Elect	
Prepare "Stand Alone" WT Spec (ref March Progress Mtg)	80			4	4		88
Prepare "Stand Alone" Engrg Layout/PIDs (ref March Progress Mtg)	56	4		2	2		64
Stand Alone Design Review and Discussions w/Client	12	3		3	6		24
Prepare "Integrated" WT Spec (ref April Progress Mtg)	60	4		4	4		68
Prepare "Integrated" Engrg Layout/PIDs (ref April Progress Mtg)	32	4		2	2		40
Integrated Design Review and Discussions w/Client	12			2	2		16
Prepare RO Renovation Criteria for Covania	40						40
Review and discussions on RO Renovation Criteria	16						16
Prepare Scope/Interface P&IDs for Integrated Sys Spec & 70%	24	40			16		80
Incorporate client comments	8	12					20
Bid issue (address questions and comments)	12					16	28
Bid evaluation (includes meetings w/bidders)	68	2		18	4	40	130
Incorporate client comments into bid evaluation (included above)							0
Prepare/issue Conformed Spec	16					16	32
Vendor drawing review/expediting	40	24	8	16	20	60	128
Prepare Area GA drawings for 70% comment	32	64					96
Incorporate client comments, issue final dwgs	8	16					24
Prepare WT P&IDs for 70% comment	24	80					104
Incorporate client comments, issue final dwgs	4	8					12
Prepare Interconnecting/Interfacing Piping drawings for 70% comment	12	120			6		138
Incorporate client comments, issue final dwgs	8	24					32
Work to Change from Furnish/Erect Spec to Equipment Supply Only (Additional to original PCN scope - Completed to Support Schedule)	120	24					144

	Mech. Eng	Mech D Civil Eng	Civil D	Elect Eng	Elect D	I&C	Procure Vend Doc	Proj. Mgt	Proj. Contr.	Exped* (excl. exped)	Total
Prepare Pad Demolition drawings for 70% comment		2	2								4
Incorporate client comments, issue final dwgs		2	2								4
Prepare equip exp fnd dwgs 70% comment		50	50								100
Incorporate client comments, issue final dwgs		10	20								30
Shop Drawing Review (Rein)		20									20
Revise Site Plan		20	10								30
Create EWDs for WT motors (16 drawings)				16	64						80
Incorporate client comments, issue final dwgs				4	16						20
Revise Grounding Plan for WT area (1 drawing)				2	6						8
Create Conduit Plan for WT area (1 drawing)				4	40						44
Incorporate client comments, issue final dwg				4	10						14
Create Cable Tray Plan for WT area (1 drawing, if req'd)				4	24						28
Incorporate client comments, issue final dwg				4	8						12
Create Lighting Plan for WT area (1 drawing)				4	24						28
Incorporate client comments, issue final dwgs				4	6						10
Create One Line Diagram for WT MCC (1 drawing)				24	4						28
Incorporate client comments, issue final dwg				16	4						20
Revise Key One Line Diagram (1 drawing)				4							4
Update Cable Schedule				2	80						82
Update Conduit Schedule				2	40						42
Specify/purchase new flow elements for flow apportioning						16	4				20
Specify/purchase new control valves for flow apportioning						16	4				20
Add to Instrum List						4					4
Add to I/O List						2					2
Add to location Drawings						2					2
Prepare Loop Diagrams						8					8
Prepare I&C logics for comment						12					12
Incorporate client comments, issue final dwgs						4					4
Prepare data link point list						8					8
Prepare graphic display						6					6
Microfiltration Stand alone roof structure		40	30								70
Prepare Water Treatment Installation Spec	80	24	4		32	16					172

	Mech. Eng	Mech D	Civil Eng	Civil D	Elect Eng	Elect D	I&C	Procure	Vend Doc	Proj. Mgt	Proj. Contr.	Exped*	Total
	56	16	8	24	182	342	164	104	20	48	24	60	2128
Bid Evaluation (includes meetings w/bidder & conforming)	56	16	8	24	182	342	164	104	20	48	24	60	2128
Project Supervision and Control													72
SUBTOTAL	512	452	168	114	182	342	164	104	20	48	24	60	2128

* Expediting included for reference only, billed at actuals

ENCLOSED MCC ROOM ENGINEERING/DESIGN:

Block Wall Room for MCC	30													
Additional Fdn-Design/Analysis														0
Additional Fdn-Structural-Steel-design/analysis/dwgs														0
Architectural-dwgs														0
Additional shop dwg review			10											10
Architectural-ehop-dwg-review														0
SUBTOTAL			40	30										70
GRAND TOTAL	512	452	206	144	182	342	164	104	20	48	24	60	2198	

ATTACHMENT 3 – CREDIT FOR WORK NOT COMPLETED UNDER C.O. 2

Task Description	\$										TASK COMPLETED	
	Mech. Eng	Mech D	Civil Eng	Civil D	Elect Eng	Elect D	I&C	Procure	Vend Doc	Exped*		Total
Prepare Plant Interface P&ID for 30% comment	1,658	3,208	-	-	111	-	395	-	-	-	5,373	x
Incorporate client comments	829	321	-	-	-	-	-	-	-	-	1,150	x
Prepare Plant Interface P&ID for 70% comment	829	1,604	-	-	-	-	198	-	-	-	2,631	x
Incorporate client comments	415	642	-	-	-	-	-	-	-	-	1,056	x
Prepare detailed equip P&ID for specification	3,317	-	-	-	-	-	395	-	-	-	3,712	x
Prepare equipment arrangement dwgs for spec	2,488	1,283	-	-	-	82	-	-	-	-	3,852	x
Prepare supply and erect spec for comment	5,183	-	849	-	4,444	-	395	-	-	-	10,871	x
Incorporate client comments	1,658	-	-	-	1,778	-	-	-	-	-	3,436	x
Bid issue	-	-	-	-	-	-	-	1,895	-	-	1,895	x
Bid evaluation	7,256	-	212	-	444	-	395	4,738	-	-	13,045	x
Incorporate client comments into bid evaluation	2,488	-	-	-	-	-	-	-	-	-	2,488	x
Prepare Conform spec, Term sheet, Admin	1,658	-	-	-	444	-	-	948	-	-	3,050	x
Vendor drawing review/expediting	4,146	842	849	-	4,444	-	-	-	988	1,432	14,477	0
Prepare interface piping drawings for 70% comment	1,658	3,208	-	-	-	-	-	-	-	-	4,866	0
Incorporate client comments, issue final dwgs	829	2,406	-	-	-	-	-	-	-	-	3,235	0
Prepare Pad Demolition drawings for 70% comment	-	-	212	163	-	-	-	-	-	-	375	0
Incorporate client comments, issue final dwgs	-	-	212	163	-	-	-	-	-	-	375	0
Prepare equip exp fnd dwgs 70% comment	-	-	1,062	615	-	-	-	-	-	-	1,877	0
Incorporate client comments, issue final dwgs	-	-	1,062	1,630	-	-	-	-	-	-	2,692	0
Shop Drawing Review (Rein)	-	-	2,123	-	-	-	-	-	-	-	2,123	0
Revise Site Plan	-	-	2,123	615	-	-	-	-	-	-	2,938	x
Prepare electrical one-line diagrams	-	-	-	-	4,444	-	-	-	-	-	4,444	0
Prepare electrical raceway (u/g duct) drawings 70%	-	-	-	-	889	1,630	-	-	-	-	2,519	x
Incorporate client comments, issue final dwgs	-	-	-	-	444	326	-	-	-	-	770	x
Grounding Plan Revisions	-	-	-	-	222	815	-	-	-	-	1,037	0
Prepare I&C logics for comment	-	-	-	-	-	-	395	-	-	-	395	0
Incorporate client comments, issue final dwgs	-	-	-	-	-	-	395	-	-	-	395	0
Prepare data link point list	-	-	-	-	-	-	790	-	-	-	790	0
Prepare graphic display	-	-	-	-	-	-	395	-	-	-	395	0
Microfiltration Stand alone roof structure	-	-	4,246	2,445	-	-	-	-	-	-	6,691	0
Total	34,412	13,313	12,950	6,031	17,685	2,853	5,730	7,581	988	1,432	102,955	0
Completed	27,778	7,058	3,185	815	8,555	2,038	1,778	7,581	-	-	58,787	0
Credit	6,634	6,258	9,768	5,216	9,110	815	3,952	-	988	-	42,738	0



Burns and Roe Enterprises, Inc.

800 Kinderkamack Road, Oradell, New Jersey 07649
NJ (201) 265-2000 NY (212) 563-7700

June 30, 2006
BREI/LC LTR-026

VIA FED EX

Mr. Lindsey J. Sampson
Director, Solid Waste Division
Lee County
Board of County Commissioners
10500 Buckingham Road
Fort Meyers, FL 33905

Subject: Lee County Waste to Energy Facility
Proposal: Revision to Water Treatment System Engineering Scope

Attachments: 1) Pricing Sheet
2) Manhour Breakdown
3) Credit from Change Order 2 Scope of Work
4) Scope Description of Change Order 2 – Water Treatment System (for information)

Dear Mr. Sampson:

In accordance with our Professional Service Agreement, we offer the attached proposal for revisions to the Water Treatment System engineering scope, for the firm lump sum price indicated below.

Our proposal is based on the revisions to the scope of work described in Change Order 2. These revisions include:

- Change from “Furnish and Erect” Scope of Water Treatment Specification to “Furnish Only”, with preparation of a separate Erection Package
- Addition of Electrical Wiring design to BRE scope for the Water Treatment System (originally planned to be included in the F&E scope)
- Change from a single Facility system to a Unit 3 only system
- Change back from Unit 3 only system to single Facility system with refurbishment of existing RO units by Covanta.
- Preparation of Refurbishment Specification for existing RO units

- Provision of a totally enclosed structure for critical equipment

We have also given credit for work authorized under Change Order 2, but not performed due to the above-described changes to the system. In other words, the attached tables present the total amount of work required to take the system from where it was left off (preparation of a furnish and erect specification) to completion under the revised BOD as presented in the various Project Review Meetings. A credit has therefore been included for work not completed under the original "furnish and erect" scope, and is reflected in the attached tables.

Please note that a substantial amount of the above-described work has already been accomplished based on directions provided at several Project Review Meetings.

The total firm lump sum price for the subject work is \$210,852.95, excluding expediting that is billed reimbursable. The estimate for additional expediting is \$4,296.00. Attached for your information are pricing sheet, tasks/man-hour breakdown, and a table presenting the previously authorized scope under Change Order 2, indicating the status of each task and the resultant credit from Change Order 2. Upon your approval, a schedule can be generated for completion of all tasks. However, BRE will continue to work expeditiously to complete the immediate tasks needed to progress the project.

Your formal approval, and issuance of a Change Order to our Service Agreement is requested. Should you wish to discuss this matter, or require additional information, please let me know.

Sincerely,



Burns and Roe Enterprises, Inc.
Glenn A. Fontana
Project Manager

GF:ps

ATTACHMENT 1 – PRICING BREAKDOWN

	103.65	80.20	106.15	81.50	81.50	111.10	81.50	98.80	118.45	49.40	158.00	71.60	71.60	Total
	Mech. Eng	Mech D	Civil Eng	Civil D	Elect Eng	Elect D	I&C	Procure	Vend	Doc	Proj Mgt	Proj Contr.	Exped*	(excl expnd)
Prepare "Stand Alone" WT Spec (ref March Progress Mtg)	8,292.00	-	-	-	444.40	-	395.20	-	-	-	-	-	-	9,131.60
Prepare "Stand Alone" Engrg Layout/PIDs (ref March Progress Mtg)	5,804.40	-	424.60	-	222.20	-	197.60	-	-	-	-	-	-	6,648.80
Stand Alone Design Review and Discussions w/Client	1,243.80	-	318.45	-	333.30	-	592.80	-	-	-	-	-	-	2,488.35
Prepare "Integrated" WT Spec (ref April Progress Mtg)	6,219.00	-	-	-	444.40	-	395.20	-	-	-	-	-	-	7,058.60
Prepare "Integrated" Engrg Layout/PIDs (ref April Progress Mtg)	3,316.80	-	424.60	-	222.20	-	197.60	-	-	-	-	-	-	4,161.20
Integrated Design Review and Discussions w/Client	1,243.80	-	-	-	222.20	-	197.60	-	-	-	-	-	-	1,663.60
Prepare RO Renovation Criteria for Covanta	4,146.00	-	<i>external scope</i>	-	-	-	-	-	-	-	-	-	-	4,146.00
Review and discussions on RO Renovation Criteria	1,658.40	-	-	-	-	-	-	-	-	-	-	-	-	1,658.40
Prepare Scope/Interface P&IDs for Integrated Sys Spec & 70%	2,487.60	3,208.00	-	-	-	-	1,580.80	-	-	-	-	-	-	7,276.40
Incorporate client comments	829.20	962.40	-	-	-	-	-	-	-	-	-	-	-	1,791.60
Bid issue (address questions and comments)	1,243.80	-	-	-	-	-	1,895.20	-	-	-	-	-	-	3,139.00
Bid evaluation (includes meetings w/bidders)	7,048.20	-	212.30	-	1,777.60	-	395.20	4,738.00	-	-	-	-	-	14,171.30
Incorporate client comments into bid evaluation (included above)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prepare/issue Conformed Spec	1,658.40	-	-	-	-	-	1,895.20	-	-	-	-	-	-	3,553.60
Vendor drawing review/expediting	4,146.00	1,924.80	849.20	-	1,777.60	-	1,976.00	-	988.00	-	-	-	4,296.00	11,661.60
Prepare Area GA drawings for 70% comment	3,316.80	5,132.80	-	-	-	-	-	-	-	-	-	-	-	8,449.60
Incorporate client comments, issue final dwgs	829.20	1,283.20	-	-	-	-	-	-	-	-	-	-	-	2,112.40
Prepare WT P&IDs for 70% comment	2,487.60	6,416.00	-	-	-	-	-	-	-	-	-	-	-	8,903.60
Incorporate client comments, issue final dwgs	414.60	641.60	-	-	-	-	-	-	-	-	-	-	-	1,056.20
Prepare Intyconnecting/interfacing	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Piping drawings for 70% comment	1,243.80	9,624.00	-	-	-	-	-	-	-	592.80	-	-	-	-	-	-	-	-	-	11,460.60
Incorporate client comments, issue final dwgs	829.20	1,924.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,754.00
Work to Change from Furnish/Erect Spec to Equipment Supply Only (Additional to original PCN scope - Completed to Support Schedule)	12,438.00	1,924.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14,362.80
Prepare Pad Demolition drawings for 70% comment	-	-	212.30	163.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	375.30
Incorporate client comments, issue final dwgs	-	-	212.30	163.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	375.30
Prepare equip exp fnd dwgs 70% comment	-	-	5,307.50	4,075.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9,382.50
Incorporate client comments, issue final dwgs	-	-	1,061.50	1,630.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,691.50
Shop Drawing Review (Rein)	-	-	2,123.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,123.00
Revise Site Plan	-	-	2,123.00	815.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,938.00
Create EWDs for WT motors (50 drawings)	-	-	-	-	2,222.00	9,780.00	-	-	-	-	-	-	-	-	-	-	-	-	-	12,002.00
Incorporate client comments, issue final dwgs	-	-	-	-	2,222.00	3,260.00	-	-	-	-	-	-	-	-	-	-	-	-	-	5,482.00
Revise Grounding Plan for WT area (1 drawing)	-	-	-	-	222.20	489.00	-	-	-	-	-	-	-	-	-	-	-	-	-	711.20
Create Conduit Plan for WT area (1 drawing)	-	-	-	-	444.40	3,260.00	-	-	-	-	-	-	-	-	-	-	-	-	-	3,704.40
Incorporate client comments, issue final dwg	-	-	-	-	444.40	815.00	-	-	-	-	-	-	-	-	-	-	-	-	-	1,259.40
Create Cable Tray Plan for WT area (1 drawing, if req'd)	-	-	-	-	444.40	1,956.00	-	-	-	-	-	-	-	-	-	-	-	-	-	2,400.40
Incorporate client comments, issue final dwg	-	-	-	-	444.40	652.00	-	-	-	-	-	-	-	-	-	-	-	-	-	1,096.40
Create Lighting Plan for WT area (1 drawing)	-	-	-	-	444.40	1,956.00	-	-	-	-	-	-	-	-	-	-	-	-	-	2,400.40
Incorporate client comments, issue final dwgs	-	-	-	-	444.40	489.00	-	-	-	-	-	-	-	-	-	-	-	-	-	933.40
Create One Line Diagram for WT MCC (1 drawing)	-	-	-	-	2,666.40	326.00	-	-	-	-	-	-	-	-	-	-	-	-	-	2,992.40
Incorporate client comments, issue final dwg	-	-	-	-	1,777.60	326.00	-	-	-	-	-	-	-	-	-	-	-	-	-	2,103.60
Revise Key One Line Diagram (1 drawing)	-	-	-	-	444.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	444.40
Update Cable Schedule	-	-	-	-	222.20	6,520.00	-	-	-	-	-	-	-	-	-	-	-	-	-	6,742.20
Update Conduit Schedule	-	-	-	-	222.20	3,260.00	-	-	-	-	-	-	-	-	-	-	-	-	-	3,482.20

1,061.50 -

2,123.00 -

20,168.50 13,040.00

SUBTOTAL

33,208.50

GRAND TOTAL

210,852.95

ATTACHMENT 2 -- MANHOURLY BREAKDOWN

Lee County Waste to Energy Expansion Project Project change Notice (PCN) No. 1 Water Treatment System													
Task Description	Mech Eng	Mech h D	Civil Eng	Mn- hrs	Elect Eng	Elect D	I&C	Proc ure	Vend Doc	Proj. Mgt	Proj. Contr.	Expe d*	Total (excl. expe d)
	Prepare "Stand Alone" WT Spec (ref March Progress Mtg)	80				4		4					
Prepare "Stand Alone" Engrg Layout/PIDs (ref March Progress Mtg)	56		4		2		2						64
Stand Alone Design Review and Discussions w/Client	12		3		3		6						24
Prepare "Integrated" WT Spec (ref April Progress Mtg)	60				4		4						68
Prepare "Integrated" Engrg Layout/PIDs (ref April Progress Mtg)	32		4		2		2						40
Integrated Design Review and Discussions w/Client	12				2		2						16
Prepare RO Renovation Criteria for Covanta	40												40
Review and discussions on RO Renovation Criteria	16												16
Prepare Scope/Interface P&IDs for Integrated Sys Spec & 70%	24	40					16						80
Incorporate client comments	8	12											20
Bid issue (address questions and comments)	12							16					28
Bid evaluation (includes meetings w/bidders)	68		2		16		4	40					130
Incorporate client comments into bid													0

ATTACHMENT 3 – CREDIT FOR WORK NOT COMPLETED UNDER C.O. 2

	103.65	80.20	106.15	81.50	111.10	81.50	98.80	118.45	49.40	71.60	TASK COMPLETED		
											Mech. Eng	Mech D	Civil Eng
Prepare Plant Interface P&ID for 30% comment	1,658.40	3,208.00	-	-	111.10	-	395.20	-	-	-	-	5,372.70	X
Incorporate client comments	829.20	320.80	-	-	-	-	-	-	-	-	-	1,150.00	X
Prepare Plant Interface P&ID for 70% comment	829.20	1,604.00	-	-	-	-	197.60	-	-	-	-	2,630.80	X
Incorporate client comments	414.60	641.60	-	-	-	-	-	-	-	-	-	1,056.20	X
Prepare detailed equip P&ID for specification	3,316.80	-	-	-	-	-	395.20	-	-	-	-	3,712.00	X
Prepare equipment arrangement dwgs for spec	2,487.60	1,283.20	-	-	-	81.50	-	-	-	-	-	3,852.30	X
Prepare supply and erect spec for comment	5,182.50	-	849.20	-	4,444.00	-	395.20	-	-	-	-	10,870.90	X
Incorporate client comments	1,658.40	-	-	-	1,777.60	-	-	-	-	-	-	3,436.00	X
Bid issue	-	-	-	-	-	-	-	1,895.20	-	-	-	1,895.20	X
Bid evaluation	7,255.50	-	212.30	-	444.40	-	395.20	4,738.00	-	-	-	13,045.40	X
Incorporate client comments into bid evaluation	2,487.60	-	-	-	-	-	-	-	-	-	-	2,487.60	X
Prepare Conform spec, Term sheet, Admin	1,658.40	-	-	-	444.40	-	-	947.60	-	-	-	3,050.40	X
Vendor drawing review/expediting	4,146.00	641.60	849.20	-	4,444.00	-	1,976.00	-	988.00	1,432.00	-	14,476.80	0
Prepare interface piping drawings for 70% comment	1,658.40	3,208.00	-	-	-	-	-	-	-	-	-	4,866.40	0
Incorporate client comments, issue final dwgs	829.20	2,406.00	-	-	-	-	-	-	-	-	-	3,235.20	0



Project Change Notice

Page 1

PM-003
Exhibit II

Project Lee Cty WTE Exp Proj PCN No 1 Rev. 0 Date 6/2/05

W.O. No. 02611-001 Originator Steve Stuhrke/D. Iavarone

In-Scope Out-of-Scope
Explanation

:Base scope included the preparation of a Water Treatment System Study to recommend a system that would be suitable for the expanded 1800 TPD WTE Facility. Detailed engineering and design based on the study recommendations would then be prepared for client approval

Description of Change: Ref: BREI Water Treatment Study dtd 3/3/05

Provide detailed engineering and design services described as option 6 in the above referenced study. Services to include preparation of a design, supply and erect specification, bid evaluation, award, vendor drawing review, all substructure detailed design and other services integrating the water treatment system with the overall plant.

Distribution:

- Proj. Mgr.
- Arch.
- Mech.
- C/S
- Elec.
- I&C
- Nuc.
- Process
- Proj. Ctls
- Chief Eng
- Const. Mgr.
- Procurement
- Inf

Affected

- | | |
|---|-----------------------------|
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |

Reason for Change: (Check appropriate box)

- | | |
|---|--|
| <input checked="" type="checkbox"/> Client Request | <input type="checkbox"/> Construction Cost |
| <input type="checkbox"/> Contractor | <input type="checkbox"/> Regulatory Requirements |
| <input type="checkbox"/> Improved Construction Schedule | <input type="checkbox"/> Other (Explain) |

Explanation, if required:

Preliminary Impact Assessment (Attach supporting Info Where needed):
Approximate Values

E&D & P Hours: <u>1050</u>	E&D Cost: <u>\$112,247</u>
	Procurement Cost: _____
	Construction Cost: _____
	Operating Costs: _____
	Total Cost impact: <u>\$112,247</u>

Schedule

Deliverables

See attached discipline tasks and associated man-hours sheet and scope clarifications

Other

Disposition (Work on this change will not proceed until authorized)

Proceed With Change Do not Proceed with Change

Present Out of Scope Change to Client

Distribution:

Same as above and

D. Iavarone
Dennis Iavarone

Project Manager

6/2/05

Date

CHANGE ORDER AGREEMENT No. 5
or
 SUPPLEMENTAL TASK AUTHORIZATION No. _____

EXHIBIT "CO/STA-B"

Date: 8/06/06

COMPENSATION AND METHOD OF PAYMENT

For Design, Engineering & Procurement Services for the WTE Expansion Project

SECTION 1.00 CHANGE(S) IN COMPENSATION

The compensation the CONSULTANT, or SERVICE PROVIDER, shall be entitled to receive for providing and performing the supplemented, changed or authorized services, tasks, or work as set forth and enumerated in the Scope of Services set forth in this CHANGE ORDER OR SUPPLEMENTAL TASK AUTHORIZATION AGREEMENT, Exhibit "CO/STA-A", attached hereto shall be as follows:

NOTE: A Lump Sum (L.S.) or Not-to-Exceed (N.T.E.) amount of compensation to be paid the CONSULTANT should be established and set forth below for each task or sub-task described and authorized in Exhibit "S/COA-A". In accordance with Professional Services Agreement Article 5.03(2) "Method of Payment", tasks to be paid on a Work-in-Progress payment basis should be identified (WIPP).

Task Number	Task Title	Amount of Compensation	Indicate Basis of Compensation LS or NTE	If Applicable Indicate (W.I.P.P.)
CO5-1	Add'l. Water Trtmt. Design	\$171,149.00	LS	WIPP
CO5-2	Associated Expediting Services	\$4,296.00	NTE	WIPP
TOTAL		\$175,445.00	NTE	

(Unless list is continued on next page)

