

RESOLUTION NO. 2014-456

A RESOLUTION TO AMEND AND SUPPLEMENT RESOLUTION NO. 2012-405, AUTHORIZING DESIGN AND ENGINEERING SERVICES FOR CONSTRUCTION OF THE CLAYVILLE SIMPLE CYCLE POWER PLANT.

WHEREAS, the City Council of the City of Vineland, on October 9, 2012, adopted Resolution No. 2012-405, entitled "A RESOLUTION AUTHORIZING A PROFESSIONAL SERVICES AGREEMENT WITH WALDRON ENGINEERING AND CONSTRUCTION, EXETER, NH, FOR DESIGN AND ENGINEERING SERVICES FOR CONSTRUCTION OF THE CLAYVILLE SIMPLE CYCLE POWER PLANT"; and

WHEREAS, there exists a need to amend and supplement the Professional Services contract awarded to Waldron Engineering and Construction, Exeter, NH, Professional Services for Design and Engineering Services for Construction of the Clayville Simple Cycle Power Plant, as authorized by Resolution No. 2012-405; by change order #2 to Contract No. C12-0060, to incorporate the following seven (7) modifications to this contract:

- 1) Additional Waldron professional services related to the re-advertisement of the Clayville Unit 1 construction contract request for public bidding. This re-advertisement was necessitated by the litigation process that occurred after initial award of the construction contract - \$6,500
- 2) Additional Waldron sketches to detail and clarify electrical interface points for the Atlantic City Electric (ACE) switchyard work - \$1,000
- 3) Additional Waldron professional services related to the Factory Acceptance Test (FAT) for the Rolls-Royce Unit Control Panel (UCP) in Mount Vernon, Ohio - \$7,172
- 4) Additional Waldron professional services necessitated by design changes to the Rolls-Royce breaker. The total amount will be back-charged to Rolls-Royce - \$14,839
- 5) Additional Waldron professional services related to the design of additional equipment enclosures. These enclosures are being designed for Down Unit #11, as prototyping for eventual deployment at Clayville Unit #1 - \$42,000
- 6) Additional Waldron professional services related to participation in the Factory Acceptance Test (FAT) for the Kobelco gas compressor in Corona, California - \$6,631
- 7) Additional Waldron professional services related to development of Meets and Bounds support documents for the VMEU/ACE easement agreement for both the Clayville Unit #1 and Clayville Substation areas of the site - \$2,866.50; and

WHEREAS, the City Comptroller has certified that funds for the amendment requested herein are available; now, therefore,

BE IT RESOLVED by the Council of the City of Vineland as follows:

1. THAT Resolution No. 2012-405, entitled "A RESOLUTION AUTHORIZING A PROFESSIONAL SERVICES AGREEMENT WITH WALDRON ENGINEERING AND CONSTRUCTION, EXETER, NH, FOR DESIGN AND ENGINEERING SERVICES FOR CONSTRUCTION OF THE CLAYVILLE SIMPLE CYCLE POWER PLANT"; be and the same is hereby amended and supplemented to increase maximum amount of the contract by \$81,008.50.

2. THAT the Purchasing Agent be and the same is hereby authorized to issue an amendatory supplemental change order to Contract No. C12-0060, in the amount of \$81,008.50.

Adopted:

President of Council

ATTEST:

City Clerk



November 3, 2014

REPORT

TO: THE MAYOR AND COUNCIL

**RE: Amendatory Supplemental Change Order No. 2
Contract No. C12-0060
Design and Engineering Services - Construction of the Clayville Simple Cycle Power Plant
Waldron Engineering and Construction, Exeter, NH**

Dear Mayor and Member of Council:

We are requesting an amendatory supplemental change order to Contract No. C12-0060, issued to Waldron Engineering and Construction, Exeter, NH, for Professional Services for Design and Engineering Services for Construction of the Clayville Simple Cycle Power Plant. This contract was authorized by Resolution No. 2012-405, adopted by City Council on October 9, 2012.

The change order requested in the amount of \$81,008.50 is necessary to incorporate the following seven (7) modifications to this contract:

- 1) Additional Waldron professional services related to the re-advertisement of the Clayville Unit 1 construction contract request for public bidding. This re-advertisement was necessitated by the litigation process that occurred after initial award of the construction contract.
- 2) Additional Waldron sketches to detail and clarify electrical interface points for the Atlantic City Electric (ACE) switchyard work.
- 3) Additional Waldron professional services related to the Factory Acceptance Test (FAT) for the Rolls-Royce Unit Control Panel (UCP) in Mount Vernon, Ohio.
- 4) Additional Waldron professional services necessitated by design changes to the Rolls-Royce breaker. The total amount will be back-charged to Rolls-Royce.
- 5) Additional Waldron professional services related to the design of additional equipment enclosures. These enclosures are being designed for Down Unit #11, as prototyping for eventual deployment at Clayville Unit #1.
- 6) Additional Waldron professional services related to participation in the Factory Acceptance Test (FAT) for the Kobelco gas compressor in Corona, California.
- 7) Additional Waldron professional services related to development of Meets and Bounds support documents for the VMEU/ACE easement agreement for both the Clayville Unit #1 and Clayville Substation areas of the site.



This change order, plus change order #1 (\$312,903) will increase the original contract amount from \$1,653,250.00 to \$2,047,161.50.

The amendatory supplemental change order for which authorization is herein requested may be authorized in accordance with N.J.A.C. 5:34-4.1 et seq.

Sincerely,

A handwritten signature in black ink that reads "Denise Monaco". The signature is written in a cursive, flowing style.

Denise Monaco
Assistant Business Administrator

DM/wr



Peter J. Kudless
Project Manager
Clayville Unit #1
pkudless@vinelandcity.org
www.vinelandcity.org

211 N. West Ave
Vineland, NJ 08362-1508
Phone: (856) 794-4000
Extension: 4380
Fax: (856) 405-4625



REQUEST FOR CHANGE ORDER
FOR:

**Furnishing Professional Services for Design and Engineering for
Construction of the Clayville Simple Cycle Power Plant**
PROJECT NAME

TO: BUSINESS ADMINISTRATION

DEPARTMENT: VMEU Generation Engineering

FROM: Pete Kudless, Project Manager

This is a request for change order # 2 to Contract # C12-0060 for:

Project Name: Furnishing Professional Services for Design and Engineering for Construction of the
Clayville Simple Cycle Power Plant

Name/Address of Contractor: Waldron Engineering & Construction, Inc.
37 Industrial Drive, Suite G-1
Exeter, NH 03833

The change order is necessary to incorporate the following seven (7) modifications to this contract
(Authorizing Resolution 2012-405 attached):

*ADDITIONAL PROFESSIONAL SERVICES
WHICH WERE NOT INCLUDED IN THE
ORIGINAL SCOPE.*

- 1) Additional Waldron professional services related to the re-advertisement of the Clayville Unit 1 construction contract request for public bidding, in accordance with Waldron Potential Change Order PCO #28 dated January 31, 2014 (copy attached). This re-advertisement was necessitated by the litigation process that occurred after initial award of the construction contract. Incorporation of this PCO results in a contract price increase of \$6500.00.
- 2) Additional Waldron sketches to detail and clarify electrical interface points for the Atlantic City Electric (ACE) switchyard work, in accordance with Waldron Potential Change Order PCO #29 dated March 8, 2014 (copy attached). Incorporation of this PCO results in a contract price increase of \$1000.00.
- 3) Additional Waldron professional services related to the Factory Acceptance Test (FAT) for the Rolls-Royce Unit Control Panel (UCP) in Mount Vernon, Ohio, in accordance with Waldron





Peter J. Kudless
Project Manager
Clayville Unit #1
pkudless@vinelandcity.org
www.vinelandcity.org

211 N. West Ave
Vineland, NJ 08362-1508
Phone: (856) 794-4000
Extension: 4380
Fax: (856) 405-4625

Original Contract Amount: \$ 1,653,250.00
Amount of This Change Order: \$ 81,008.50
Previous Change Orders: \$ 312,903.00
Total Revised Amount: \$ 2,047,161.50



APPROVED BY: Joseph Isabella
Print/Type


Signature

NOTE:
CHANGE ORDERS CANNOT EXCEED 20% OF THE ORIGINAL CONTRACT AMOUNT

Please provide the account number that the change order will be charged to:

Account # See attached account matrix

CC: Purchasing Division
 Gus Foster
 Pete Kudless 
 Jeff Davis 





Peter J. Kudless
 Project Manager
 Clayville Unit #1
 pkudless@vinelandcity.org
 www.vinelandcity.org

211 N. West Ave
 Vineland, NJ 08362-1508
 Phone: (856) 794-4000
 Extension: 4380
 Fax: (856) 405-4625

Request for Change Order 2 to Contract # C12-0060 for:

**Furnishing Professional Services for Design and Engineering for
 Construction of the Clayville Simple Cycle Power Plant**

Account Breakdown			
Line Item	Description	Amount	Account Number
1	Re-advertisement of Construction RFP	\$ 6,500.00	022-0-00-00-0000-2-7511600 E346Y
2	ACE Swichyard	\$ 1,000.00	022-0-00-00-0000-2-7511600 E346Y
3	Rolls-Royce UPC FAT	\$ 7,172.00	022-0-00-00-0000-2-7511600 E346Y
4	Rolls-Royce Breaker	\$ 14,839.00	022-0-00-00-0000-2-7511600 E346Y
5	Additional Enclosures	\$ 42,000.00	002-0-55-90-9001-2-9022000 E342-1
6	Kobelco FAT	\$ 6,631.00	022-0-00-00-0000-2-7511600 E346Y
7	Meets and Bounds	\$ 2,866.50	022-0-00-00-0000-2-7511600 E346Y

John
 10/27/14
Asaf
 10/27/14



WALDRON ENGINEERING & CONSTRUCTION, Inc.

POTENTIAL CHANGE ORDER (PCO) FOR WORK OUTSIDE OF ORIGINAL SCOPE OF WORK

Project:	<u>Clayville Unit 1</u>	PCO #:	<u>28</u>
		Date:	<u>10/22/2014</u>
		Waldron Project Code:	<u>293.01</u>
		Purchase Order Date:	<u>10/18/2012</u>
To Owner:	<u>Vineland Municipal Electrical Utility</u>	PO #:	<u>12-007250</u>
		Waldron Milestone #	<u>44</u>

THIS PCO IS FOR THE FOLLOWING:

This PCO covers work on the potential change order item identified in the project review reports for additional services for work relating to the re-advertisement of the Clayville unit 1 bid.

The Clayville Construction Contract had to be modified in support of re-advertisement effort
 Client direction to add these items came after the design contract
 Waldron will expend additional efforts to support this activity
 Specifically impacted will be the Construction contract specification and addition of new forms
 This scope includes work by Waldron personnel
 This impact had an estimate of six thousand five hundred (\$6,500), and is billed at actual of \$6,500

This PCO utilizes the man-hour rates (attached)
 This PCO is subject to Terms & Conditions, mark-ups, and retain age as specified in the original Purchase Order.

The original Scope of Work was	\$1,653,250
The net change by previous PCOs is	\$312,903
The Scope of Work prior to this PCO was	\$1,966,153
The Scope of Work will be changed by this PCO	\$6,500
The new Scope of Work including this PCO will be	\$1,972,653

The Overall Schedule will be changed by TBD Days
 The Date of Project Completion as of the date of this PCO therefore is TBD
 This PCO will be rolled into the single monthly invoice for PO 12-007250 but tracked separately as a Milestone as noted above

**NOT VALID UNTIL SIGNED BY THE WALDRON'S PM and VMEU's PM.
 ORIGINAL OF THIS DOCUMENT MUST BE MAILED TO PETER KUDLESS**

*Note
 Subject to Vineland
 City Council
 Approval of Change
 Order

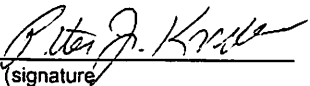
Waldron Engineering & Construction
 Engineer/Contractor (Firm Name)

Vineland Municipal Electric Utility
 Owner (Firm Name)

37 Industrial drive Exeter, NH, 03833
 Address

211 N. West Ave. Vineland, NJ, 08362-1508
 Address


 By (signature)


 By (signature)

Jeremy P. Smith
 (typed name)

Peter Kudless
 (typed name)

10/21/14
 Date

10/21/14
 Date

Waldron Engineering & Construction, Inc. Fee Schedule

LABOR CATEGORY	BILLING RATE EFFECTIVE THROUGH DECEMBER 31, 2014
Project Manager	\$203.00
Construction Manager	\$182.00
Senior Project Engineer	\$164.00
Project Engineer	\$135.00
Design Engineer	\$135.00
Designer	\$118.00
Construction Supervisor	\$155.00
Construction Coordinator-Project Controls	\$112.00
Commissioning Engineer	\$156.00
Administrative	\$66.00

For 2015 it is estimated that the above rates will increase by approximately 3.5%

WALDRON ENGINEERING & CONSTRUCTION, Inc.

POTENTIAL CHANGE ORDER (PCO) FOR WORK OUTSIDE OF ORIGINAL SCOPE OF WORK

Project:	<u>Clayville Unit 1</u>	PCO #:	<u>29</u>
		Date:	<u>3/8/2014</u>
		Waldron Project Code:	<u>293.01</u>
		Purchase Order Date:	<u>10/18/2012</u>
To Owner:	<u>Vineland Municipal Electrical Utility</u>	PO #:	<u>12-007250</u>
		Waldron Milestone #	<u>45</u>

THIS PCO IS FOR THE FOLLOWING:

This PCO covers work on the potential change order item identified in the project review reports for additional services for work relating to the additional services for ACE Switchyard

The Clayville Construction Contract had to be modified in support of ACE switchyard work
 Client direction to add these items came after the design contract
 Waldron will expend additional efforts to support this activity
 Specifically impacted will be a new drawing (sketch) of the area was created
 This scope includes work by Waldron personnel
 This impact had an estimate of one thousand (\$1,000)

This PCO utilizes the man-hour rates (attached)
 This PCO is subject to Terms & Conditions, mark-ups, and retain age as specified in the original Purchase Order.

The original Scope of Work was	\$1,653,250
The net change by previous PCOs is	\$297,903
The Scope of Work prior to this PCO was	\$1,951,153
The Scope of Work will be changed by this PCO	\$1,000
The new Scope of Work including this PCO will be	\$1,952,153

The Overall Schedule will be changed by TBD Days
 The Date of Project Completion as of the date of this PCO therefore is TBD
 This PCO will be rolled into the single monthly invoice for PO 12-007250 but tracked separately as a Milestone as noted above

**NOT VALID UNTIL SIGNED BY THE WALDRON'S PM and VMEU's PM.
 ORIGINAL OF THIS DOCUMENT MUST BE MAILED TO PETE KUDLESS.**

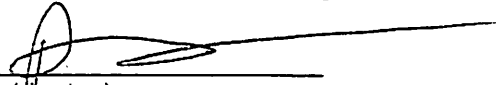
*Note
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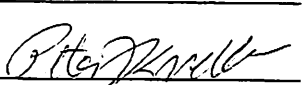
Waldron Engineering & Construction
 Engineer/Contractor (Firm Name)

Vineland Municipal Electric Utility
 Owner (Firm Name)

37 Industrial drive Exeter, NH, 03833
 Address

211 N. West Ave, Vineland, NJ, 08362-1508
 Address


 By (signature)


 By (signature)

Jeremy P. Smith
 (typed name)

Peter Kudless
 (typed name)

10/21/14
 Date

10/21/14
 Date

Waldron Engineering & Construction, Inc. Fee Schedule

LABOR CATEGORY	BILLING RATE EFFECTIVE THROUGH DECEMBER 31, 2014
Project Manager	\$203.00
Construction Manager	\$182.00
Senior Project Engineer	\$164.00
Project Engineer	\$135.00
Design Engineer	\$135.00
Designer	\$118.00
Construction Supervisor	\$155.00
Construction Coordinator-Project Controls	\$112.00
Commissioning Engineer	\$156.00
Administrative	\$66.00

For 2015 it is estimated that the above rates will increase by approximately 3.5%

WALDRON ENGINEERING & CONSTRUCTION, Inc.

POTENTIAL CHANGE ORDER (PCO) FOR WORK OUTSIDE OF ORIGINAL SCOPE OF WORK

Project:	<u>Clayville Unit 1</u>	PCO #:	<u>30</u>
	_____	Date:	<u>3/19/2014</u>
	_____	Waldron Project Code:	<u>293.01</u>
	_____	Purchase Order Date:	<u>10/18/2012</u>
To Owner:	<u>Vineland Municipal Electrical Utility</u>	PO #:	<u>12-007250</u>
	_____	Waldron Milestone #	<u>46</u>

THIS PCO IS FOR THE FOLLOWING:

This PCO covers work on the potential change order item identified in the project review reports for additional services for work relating to the Rolls Royce UCP Factory Acceptance test (FAT)

The Clayville contract has attendance at FAT's priced as individual potential adders
 This scope includes work by Waldron personnel and this price includes all required expenses and follow-up reports
 This impact has an estimate of seven thousand and five hundred (\$7,500), but only \$7,172 was expended

This PCO utilizes the man-hour rates (attached)
 This PCO is subject to Terms & Conditions, mark-ups, and retain age as specified in the original Purchase Order.

The original Scope of Work was	\$1,653,250
The net change by previous PCOs is	\$320,403
The Scope of Work prior to this PCO was	\$1,973,653
The Scope of Work will be changed by this PCO	\$7,172
The new Scope of Work including this PCO will be	\$1,980,825

The Overall Schedule will be changed by TBD Days
 The Date of Project Completion as of the date of this PCO therefore is TBD
 This PCO will be rolled into the single monthly invoice for PO 12-007250 but tracked separately as a Milestone as noted above

**NOT VALID UNTIL SIGNED BY THE WALDRON'S PM and VMEU's PM.
 ORIGINAL OF THIS DOCUMENT MUST BE MAILED TO PETER KUDLESS**

***Note**
 Subject to Vineland
 City Council
 Approval of Change
 Order

Waldron Engineering & Construction
 Engineer/Contractor (Firm Name)

Vineland Municipal Electric Utility
 Owner (Firm Name)

37 Industrial drive Exeter, NH. 03833
 Address

211 N. West Ave, Vineland, NJ, 08362-1508
 Address

 By (signature)

 By (signature)

Jeremy P. Smith
 (typed name)

Peter Kudless
 (typed name)

10/21/14
 Date

10/21/14
 Date

Waldron Engineering & Construction, Inc. Fee Schedule

LABOR CATEGORY	BILLING RATE EFFECTIVE THROUGH DECEMBER 31, 2014
Project Manager	\$203.00
Construction Manager	\$182.00
Senior Project Engineer	\$164.00
Project Engineer	\$135.00
Design Engineer	\$135.00
Designer	\$118.00
Construction Supervisor	\$155.00
Construction Coordinator-Project Controls	\$112.00
Commissioning Engineer	\$156.00
Administrative	\$66.00

For 2015 it is estimated that the above rates will increase by approximately 3.5%

WALDRON ENGINEERING & CONSTRUCTION, Inc.

POTENTIAL CHANGE ORDER (PCO) FOR WORK OUTSIDE OF ORIGINAL SCOPE OF WORK

Project:	<u>Clayville Unit 1</u>	PCO #:	<u>32</u>
	_____	Date:	<u>3/19/2014</u>
To Owner:	_____	Waldron Project Code:	<u>293.01</u>
	<u>Vineland Municipal Electrical Utility</u>	Purchase Order Date:	<u>10/18/2012</u>
	_____	PO #:	<u>12-007250</u>
	_____	Waldron Milestone #	<u>48</u>

THIS PCO IS FOR THE FOLLOWING:

This PCO covers work on the potential change order item identified in the project review reports for additional services for work relating to the 2nd round of changes (3rd submittal provided) of the Rolls-Royce Breaker

The contract identifies re-work caused by vendor submittals as a potential change order item
 This scope includes work by Waldron personnel.
 This impact has an estimate of six thousand (\$6,000)

This PCO utilizes the package drawings/submittals and man-hour rates attached.
 This PCO is subject to Terms & Conditions, mark-ups, and retain age as specified in the original Purchase Order.

The original Scope of Work was	\$1,653,250
The net change by previous PCOs is	\$362,703
The Scope of Work prior to this PCO was	\$2,015,953
The Scope of Work will be changed by this PCO	\$6,000
The new Scope of Work including this PCO will be	\$2,021,953

The Overall Schedule will be changed by TBD Days
 The Date of Project Completion as of the date of this PCO therefore is TBD
 This PCO will be rolled into the single monthly invoice for PO 12-007250 but tracked separately as a Milestone as noted above

**NOT VALID UNTIL SIGNED BY THE WALDRON'S PM and VMEU's PM.
 ORIGINAL OF THIS DOCUMENT MUST BE MAILED TO PETER KUDLESS**

***Note**
 Subject to Vineland
 City Council
 Approval of Change
 Order

Waldron Engineering & Construction
 Engineer/Contractor (Firm Name)
37 Industrial drive Exeter, NH, 03833
 Address

Vineland Municipal Electric Utility
 Owner (Firm Name)
211 N. West Ave, Vineland, NJ, 08362-1508
 Address

 By (signature)

 By (signature)

Jeremy P. Smith
 (typed name)

Peter Kudless
 (typed name)

5/19/14
 Date

7/1/14
 Date

WALDRON ENGINEERING & CONSTRUCTION, INC.

May 9th, 2014

Mr. Peter Kudless
Project Manager
Vineland Municipal Electrical Utility (VMEU)
Generation Division
211 N. West Ave
Vineland, New Jersey

Via: Mail
RE: PCO #32 Rolls-Royce Breaker Changes (2nd round)

Pete

Thank you for the opportunity to provide the requested potential change order to the Vineland Municipal Electric Utility Clayville Unit 1 Contract. Waldron will redesign the bus duct and layout drawings to allow for the installation of the new Rolls Royce Breaker (3rd type of unit provided)

<i>Hours allocated to bus duct redesign</i>	<i>Cost of man-hours related to this item:</i>	<i>Running sub-total of items thus far:</i>
<i>22 man-hours</i>	<i>\$2,970</i>	<i>\$2,970</i>
<i>Coordination time with Rolls-Royce on these changes</i>	<i>Cost of man-hours related to this item:</i>	<i>Running sub-total of items thus far:</i>
<i>9 man-hours</i>	<i>\$1,215</i>	<i>\$4,185</i>
<i>Modify layout drawings</i>	<i>Cost of man-hours related to this item:</i>	<i>Running sub-total of items thus far:</i>
<i>14 man-hours</i>	<i>\$1,815</i>	<i>\$6,000</i>

This work will be produced and issued to VMEU via an Engineering Change Notice, which will be suitable to issue to the contractor for final adjustment in the installation cost (if any).

I trust this memorandum meets your needs. If you have any questions please do not hesitate to call.

Regards,

JEREMY P. SMITH

Jeremy P Smith, P.E.
Project Manager
Waldron Engineering & Construction, Inc.

Waldron Engineering & Construction, Inc. Fee Schedule

LABOR CATEGORY	BILLING RATE EFFECTIVE THROUGH DECEMBER 31, 2014
Project Manager	\$203.00
Construction Manager	\$182.00
Senior Project Engineer	\$164.00
Project Engineer	\$135.00
Design Engineer	\$135.00
Designer	\$118.00
Construction Supervisor	\$155.00
Construction Coordinator-Project Controls	\$112.00
Commissioning Engineer	\$156.00
Administrative	\$66.00

For 2015 it is estimated that the above rates will increase by approximately 3.5%

WALDRON ENGINEERING & CONSTRUCTION, Inc.

POTENTIAL CHANGE ORDER (PCO) FOR WORK OUTSIDE OF ORIGINAL SCOPE OF WORK

Project:	<u>Clayville Unit 1</u>	PCO #:	31
		Date:	Revised-6/11/2014
		Waldron Project Code:	293.01
		Purchase Order Date:	10/18/2012
To Owner:	<u>Vineland Municipal Electrical Utility</u>	PO #:	12-007250
		Waldron Milestone #	47

THIS PCO IS FOR THE FOLLOWING:

This PCO covers work on the potential change order item identified in the project review reports for additional services for work relating to Additional Enclosures over the Fuel Oil, ISI skid, and fuel oil forwarding pad

These enclosures are being designed for the Vineland Site, as prototyping for eventual deployment at Clayville Unit 1. This scope includes work by Waldron personnel and this price includes all required permit modifications to install these at HMD. This impact has an estimate of forty two thousand (\$42,000), please see attached scope and breakdown

This PCO utilizes the scope and man-hour rates attached.

This PCO is subject to Terms & Conditions, mark-ups, and retain age as specified in the original Purchase Order.

The original Scope of Work was	\$1,653,250
The net change by previous PCOs is	\$334,703
The Scope of Work prior to this PCO was	\$1,987,953
The Scope of Work will be changed by this PCO	\$42,000 *
The new Scope of Work including this PCO will be	\$2,029,953

The Overall Schedule will be changed by TBD Days

The Date of Project Completion as of the date of this PCO therefore is TBD

This PCO will be rolled into the single monthly invoice for PO 12-007250 but tracked separately as a Milestone as noted above

**NOT VALID UNTIL SIGNED BY THE WALDRON'S PM and VMEU's PM.
ORIGINAL OF THIS DOCUMENT MUST BE MAILED TO JOSE M. CRUZ, PE.**

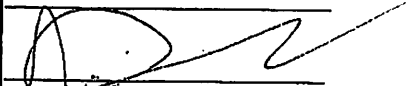
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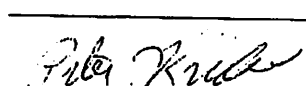
Waldron Engineering & Construction
Engineer/Contractor (Firm Name)

Vineland Municipal Electric Utility
Owner (Firm Name)

37 Industrial drive Exeter, NH, 03833
Address

211 N. West Ave. Vineland, NJ, 08362-1508
Address


By (signature)


By (signature)

SMA 6/16/14
John 6/16/14

Jeremy P. Smith
(typed name)

Peter Kudless
(typed name)


6/11/14
Date

6/16/14
Date

WALDRON ENGINEERING & CONSTRUCTION, INC.

To: Steve August

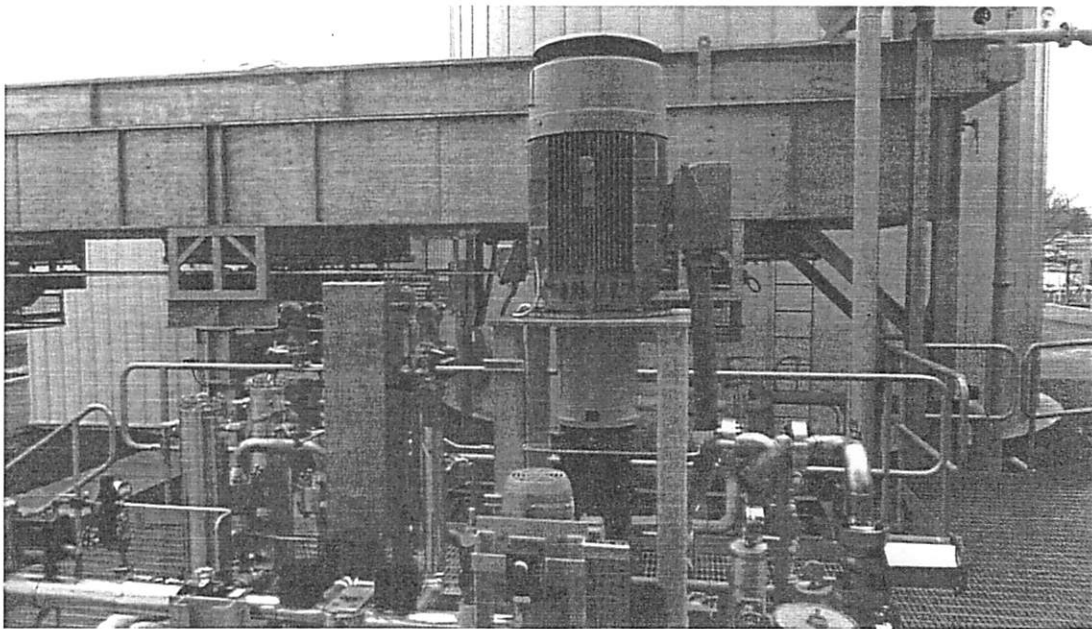
From: Marc Letourneau

Approved: John Sweet 

Re: Proposed Engineering Scope of Work
Vineland Municipal Electric Utility
Howard M. Down Unit #11
Equipment Enclosures for Fuel Oil and Deionized Water Handling Equipment

Date: Original Issue - May 1, 2014
Revision 1 - May 23, 2014

High Pressure Liquid Fuel Skid Enclosure



High Pressure Liquid Fuel Skid - Looking North

General Requirements:

1. Approximate Enclosure Dimensions: 10'-8"W x 14'-8"L x 10'-0" Eave Height, 9'-0" minimum internal vertical clearance
2. Pre-engineered enclosure, metal or fiberglass construction, single pitch shed roof, pitch to North, color grey (match existing equipment as closely as possible)
3. Electrical
 - a. Electrical wiring and components rated to IE Zone 2 (or NEC Class 1, Div 2)
 - b. One 120V convenience receptacle
 - c. Interior light fixture(s)
 - d. Spark-proof exhaust fan with thermostat and inlet louver/damper
 - e. Heat detector and fire alarm pull station

WALDRON ENGINEERING & CONSTRUCTION, INC.

4. Floor and enclosure support curb designed to provide spill protection from accidental release of liquid fuel.
5. Removable wall and roof panels for pump and filter, etc. maintenance
6. Two exterior doors (East and West elevations)
7. Access to existing valves below grating on east side of skid needs to be maintained
8. Additional structural steel under grating likely required to support new enclosure

Proposed Engineering Services and Deliverables:

1. Code review to ensure that the applicable design requirements are incorporated into Waldron-generated drawings and specifications.
 - a. The recommended project approach with respect to code compliance and permits is to treat enclosures as non-occupied equipment space in order to streamline the review process by NJ DCA and/or local Code Officials.
 - b. DCA involvement is currently limited to production of the construction documents listed below. It assumed that VMEU's Construction Contractor for this project will be responsible for packaging and submitting the drawings and specs listed below along with all applicable shop drawings from the enclosure supplier and any other required permitting materials to the applicable Code Official(s) or Agencies. It is further assumed that the Construction Contractor has full responsibility for securing all permits and approvals from all Regulatory Agencies including DCA.
2. Enclosure specification data sheet
3. Enclosure drawing(s) to include plan, elevations and details
4. Structural Steel drawing showing modifications to existing platform steel
5. Electrical drawing(s) showing power, lighting and fire alarm devices

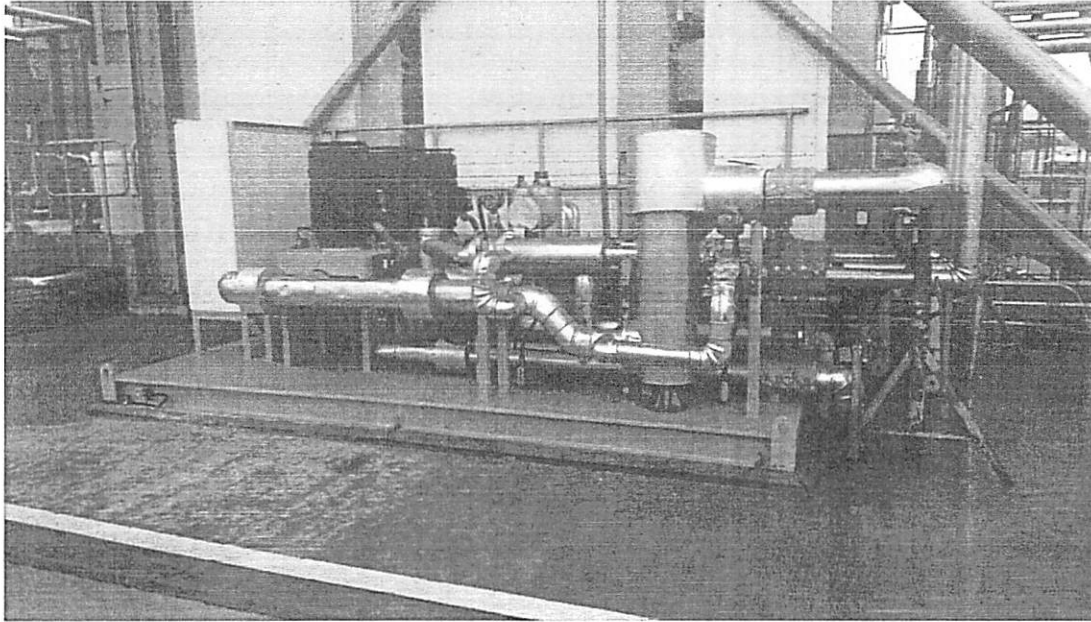
Proposed Engineering Fees:

Waldron's estimate to perform the services listed above is \$14,000 (Fourteen Thousand Dollars, US). All work will be invoiced on a Time and Material basis at rates shown in the attached Fee Schedule. The estimated fees will not be exceeded without prior approval from VMEU.

1. Additional time to coordinate with NJ DCA and/or local code officials beyond that described above, if required, will be invoiced on a time and material basis in accordance with the attached Fee Schedule.
2. Additional time for construction administration/construction support services during construction will be charged on a time and material basis in accordance with the attached Fee Schedule

WALDRON ENGINEERING & CONSTRUCTION, INC.

ISI Water Skid Enclosure



ISI Water Skid – Looking East

General Requirements:

1. Approximate Enclosure Dimensions: 12'-0"W x 21'-4"L x 10'-0" Eave Height, 9'-0" minimum internal vertical clearance
2. Pre-engineered enclosure, metal or fiberglass construction, single pitch shed roof, pitch to West, color grey (match existing equipment as closely as possible)
3. Electrical
 - a. One 120V convenience receptacle
 - b. Interior light fixture(s)
 - c. Exhaust fan with thermostat and inlet louver/damper
 - d. Heat detector and fire alarm pull station
4. Building anchored to existing concrete foundation
5. Removable wall panels for pump and filter, etc. maintenance
6. Two exterior doors (North and South elevations)
7. Penetrations/openings in East wall as required for existing conduits and pipes

Proposed Engineering Services and Deliverables:

1. Code review to ensure that the applicable design requirements are incorporated into Waldron-generated drawings and specifications.
 - a. The recommended project approach with respect to code compliance and permits is to treat enclosures as non-occupied equipment space in order to streamline the review process by NJ DCA and/or local Code Officials.
 - b. DCA involvement is currently limited to production of the construction documents listed below. It is assumed that VMEU's Construction Contractor for this project will be responsible for packaging and submitting the drawings and specs listed below along with all applicable shop drawings from the enclosure supplier and any other required permitting materials to the applicable Code Official(s) or Agencies. It is further assumed that the Construction Contractor

WALDRON ENGINEERING & CONSTRUCTION, INC.

has full responsibility for securing all permits and approvals from all Regulatory Agencies including DCA.

2. Enclosure specification data sheet
3. Enclosure drawing(s) to include plan, elevations and details
4. Foundation anchor bolt drawing
5. Electrical drawing(s) showing power, lighting and fire alarm devices

Proposed Engineering Fees:

Waldron's estimate to perform the services listed above is \$8,000 (Eight Thousand Dollars, US). All work will be invoiced on a Time and Material basis at rates shown in the attached Fee Schedule. The estimated fees will not be exceeded without prior approval from VMEU. This estimate assumes that this work is accomplished in parallel with or immediately following the work on the liquid fuel enclosure. This will allow utilizing the information developed for the liquid fuel enclosure and adapting it for the ISI enclosure.

1. Additional time to coordinate with NJ DCA and/or local code officials beyond that described above, if required, will be invoiced on a time and material basis in accordance with the attached Fee Schedule.
2. Additional time for construction administration/construction support services during construction will be charged on a time and material basis in accordance with the attached Fee Schedule.

WALDRON ENGINEERING & CONSTRUCTION, INC.

Equipment Pad and Lean-to Structure for Fuel Forwarding Equipment

General Requirements:

1. Design a new concrete equipment pad to support relocated fuel oil forwarding pump, new fuel oil heater and new fuel oil duplex filter. Equipment pad to include a 4" high perimeter curb for housekeeping.
 - a. See attached P&ID for further scope definition
 - b. Pad dimensions to be determined during design
2. Design a new lean-to structure to cover equipment installed on new pad
3. Piping
 - a. Re-route fuel oil pump suction and discharge piping as required to accommodate new equipment layout.
 - b. All new piping to be black steel
4. Electrical
 - a. One 120V convenience receptacle
 - b. Exterior light fixture(s) for installation in lean-to
 - c. Reuse/re-route/extend existing power feeders as required

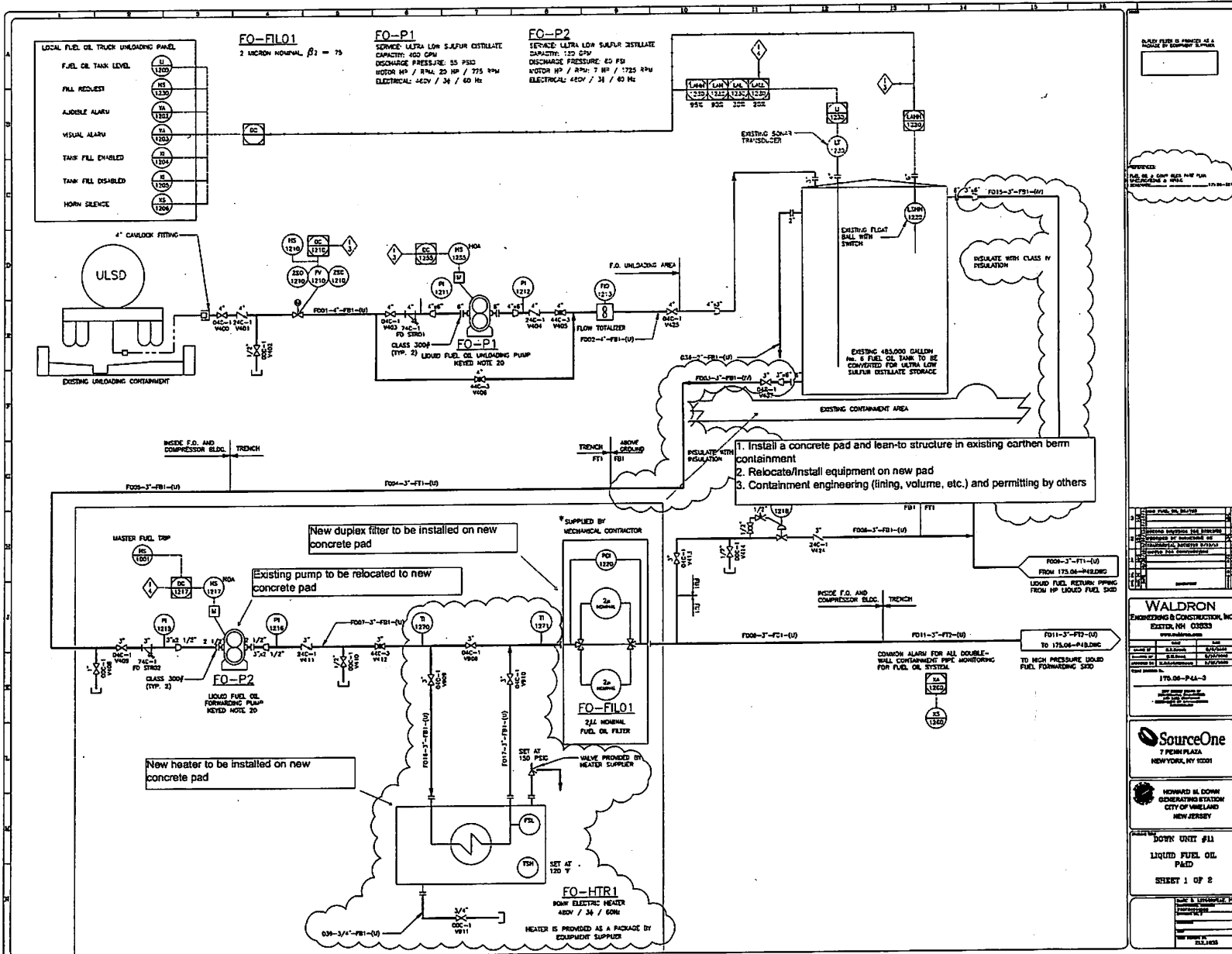
Proposed Engineering Services and Deliverables:

1. Code review to ensure that all applicable design requirements are incorporated into Waldron-generated drawings and specifications.
 - a. DCA involvement is currently limited to production of the construction documents listed below. It assumed that VMEU's Construction Contractor for this project will be responsible for packaging and submitting the drawings and specs listed below along with any other required permitting materials to the applicable Code Official(s) or Agencies. It is further assumed that the Construction Contractor has full responsibility for securing all permits and approvals from all Regulatory Agencies including DCA.
2. Concrete pad drawing(s) to include reinforced concrete specifications, as required
3. Lean-to enclosure drawing(s) to include structural steel specifications, as required
4. Updated P&ID and piping layout drawing
5. Electrical drawing(s) for power distribution and lighting

Proposed Engineering Fees:

Waldron's estimate to perform the services listed above is \$19,700 (Nineteen Thousand Seven Hundred Dollars, US). All work will be invoiced on a Time and Material basis at rates shown in the attached Fee Schedule. The estimated fees will not be exceeded without prior approval from VMEU.

1. Additional time to coordinate with NJ DCA and/or local code officials beyond that described above, if required, will be invoiced on a time and material basis in accordance with the attached Fee Schedule.
2. Additional time for construction administration/construction support services during construction will be charged on a time and material basis in accordance with the attached Fee Schedule



Waldron Engineering & Construction, Inc. Fee Schedule

LABOR CATEGORY	BILLING RATE EFFECTIVE THROUGH DECEMBER 31, 2014
Project Manager	\$203.00
Construction Manager	\$182.00
Senior Project Engineer	\$164.00
Project Engineer	\$135.00
Design Engineer	\$135.00
Designer	\$118.00
Construction Supervisor	\$155.00
Construction Coordinator-Project Controls	\$112.00
Commissioning Engineer	\$156.00
Administrative	\$66.00

For 2015 it is estimated that the above rates will increase by approximately 3.5%

WALDRON ENGINEERING & CONSTRUCTION, Inc.

POTENTIAL CHANGE ORDER (PCO) FOR WORK OUTSIDE OF ORIGINAL SCOPE OF WORK

Project:	<u>Clayville Unit 1</u>	PCO #:	<u>24</u>
	_____	Date:	<u>8/7/2014</u>
To Owner:	<u>Vineland Municipal Electrical Utility</u>	Waldron Project Code:	<u>293.01</u>
	_____	Purchase Order Date:	<u>10/18/2012</u>
	_____	PO #:	<u>12-007250</u>
	_____	Waldron Milestone #	<u>40</u>

THIS PCO IS FOR THE FOLLOWING:

This PCO covers work on the potential change order item identified in the project review reports for additional services for work relating to the Kobeleco Factory Acceptance test (FAT)

The Clayville contract has attendance at FAT's priced as individual potential adders
 This scope includes work by Waldron personnel and this price includes all required expenses and follow-up reports
 This impact has an estimate of six thousand and eight hundred (\$6,800), but is billed at actual of six thousand six hundred and thirty one (\$6,631)
 This PCO utilizes the man-hour rates (attached)
 This PCO is subject to Terms & Conditions, mark-ups, and retain age as specified in the original Purchase Order.

The original Scope of Work was	\$1,653,250
The net change by previous PCOs is	\$327,903
The Scope of Work prior to this PCO was	\$1,981,153
The Scope of Work will be changed by this PCO	\$6,631
The new Scope of Work including this PCO will be	\$1,987,784

The Overall Schedule will be changed by TBD Days
 The Date of Project Completion as of the date of this PCO therefore is TBD
 This PCO will be rolled into the single monthly invoice for PO 12-007250 but tracked separately as a Milestone as noted above

**NOT VALID UNTIL SIGNED BY THE WALDRON'S PM and VMEU's PM.
 ORIGINAL OF THIS DOCUMENT MUST BE MAILED TO PETER KUDLESS**

*Note
 Subject to Vineland
 City Council
 Approval of Change
 Order

Waldron Engineering & Construction
 Engineer/Contractor (Firm Name)
37 Industrial drive Exeter, NH, 03833
 Address

Vineland Municipal Electric Utility
 Owner (Firm Name)
211 N. West Ave, Vineland, NJ, 08362-1508
 Address

 By (signature)

 By (signature)

Jeremy P. Smith
 (typed name)

Peter Kudless
 (typed name)

9/10/14
 Date

10/2/14
 Date

*Subject to
 City Council
 Approval of a
 PSA Change
 Order*

WALDRON ENGINEERING & CONSTRUCTION, INC.

May 9th, 2014

Mr. Peter Kudless
Project Manager
Vineland Municipal Electrical Utility (VMEU)
Generation Division
211 N. West Ave
Vineland, New Jersey

Via: Mail
RE: PCO #24 Kobeleco

Pete

Thank you for the opportunity to provide the requested potential change order to the Vineland Municipal Electric Utility Clayville Unit 1 Contract. Waldron will assist in VMEU's witness of the Kobeleco Gas Compressor Unit to be held in Culver City, California

<i>Travel time to/From California</i>	<i>Cost of man-hours related to this item:</i>	<i>Running sub-total of items thus far:</i>
<i>16 man-hours</i>	<i>\$2,640</i>	<i>\$2,640</i>
<i>Expenses related to trip Hotel, flights, meals, parking, rental car</i>	<i>Cost of man-hours related to this item: \$1,864</i>	<i>Running sub-total of items thus far: \$4,504</i>
<i>Performance of the FAT and preparation of the FAT report 14 man-hours</i>	<i>Cost of man-hours related to this item: \$2,296</i>	<i>Running sub-total of items thus far: \$6,800</i>

This work will be performed either by myself (Jeremy Smith, PE) or the engineer who has performed the other FAT work for VMEU (Michael Adams, PE) as determined by the final schedule and as we discussed during our teleconference.

Waldron will maintain the pricing regardless of which team member attends the FAT (As with the other FAT PCO's, Waldron will reduce the higher priced team member rates such that the adjustment ensures that VMEU's final cost is not impacted by our personnel's availability)

I trust this memorandum meets your needs. If you have any questions please do not hesitate to call.

Regards,

JEREMY P. SMITH

Jeremy P Smith, P.E.
Project Manager
Waldron Engineering & Construction, Inc.

Waldron Engineering & Construction, Inc. Fee Schedule

LABOR CATEGORY	BILLING RATE EFFECTIVE THROUGH DECEMBER 31, 2014
Project Manager	\$203.00
Construction Manager	\$182.00
Senior Project Engineer	\$164.00
Project Engineer	\$135.00
Design Engineer	\$135.00
Designer	\$118.00
Construction Supervisor	\$155.00
Construction Coordinator-Project Controls	\$112.00
Commissioning Engineer	\$156.00
Administrative	\$66.00

For 2015 it is estimated that the above rates will increase by approximately 3.5%

WALDRON ENGINEERING & CONSTRUCTION, Inc.

POTENTIAL CHANGE ORDER (PCO) FOR WORK OUTSIDE OF ORIGINAL SCOPE OF WORK

Project:	<u>Clayville Unit 1</u>	PCO #:	<u>45</u>
	_____	Date:	<u>9/15/2014</u>
To Owner:	_____	Waldron Project Code:	<u>293.01</u>
	<u>Vineland Municipal Electrical Utility</u>	Purchase Order Date:	<u>10/18/2012</u>
	_____	PO #:	<u>12-007250</u>
	_____	Waldron Milestone #	<u>61</u>

THIS PCO IS FOR THE FOLLOWING:

This PCO covers work on the potential change order item identified in the project review reports for additional services for work relating to the Meets and Bounds for the VMEU C1 project

This work is documented by a separate scope of work (see Meets & Bounds Scope dated 9/15/14)
 This scope includes work by Waldron personnel and this price includes all required expenses and follow-up reports
 This impact has an estimate of five thousand (\$5,000)

This PCO utilizes the man-hour rates (attached)
 This PCO is subject to Terms & Conditions, mark-ups, and retain age as specified in the original Purchase Order.

The original Scope of Work was	\$1,653,250
The net change by previous PCOs is	\$327,903
The Scope of Work prior to this PCO was	\$1,981,153
The Scope of Work will be changed by this PCO	\$5,000 *
The new Scope of Work including this PCO will be	\$1,986,153

The Overall Schedule will be changed by TBD Days
 The Date of Project Completion as of the date of this PCO therefore is TBD
 This PCO will be rolled into the single monthly invoice for PO 12-007250 but tracked separately as a Milestone as noted above

**NOT VALID UNTIL SIGNED BY THE WALDRON'S PM and VMEU's PM.
 ORIGINAL OF THIS DOCUMENT MUST BE MAILED TO PETER KUDLESS**

***Note**
 Subject to Vineland
 City Council
 Approval of Change
 Order

Waldron Engineering & Construction
 Engineer/Contractor (Firm Name)

Vineland Municipal Electric Utility
 Owner (Firm Name)

37 Industrial drive Exeter, NH, 03833
 Address

211 N. West Ave. Vineland, NJ, 08362-1508
 Address

 By (signature)

Peter J. Kudless
 By (signature)

Jeremy P. Smith
 (typed name)

Peter Kudless
 (typed name)

9/15/14
 Date

10/1/14
 Date

September 15, 2014

Gustav Foster
Vineland Municipal Electric Utility
Assistant Superintendent of Distribution
North-West Avenue
Vineland NJ

RE: Scope of work for Meets & Bounds

Attach: Exhibit A-proposed

Mr. Foster,

Waldron Engineering & Construction, Inc. (Waldron) is pleased to submit this scope of work for Engineering Services to develop the meets and bounds attachments for the Clayville Unit 1 Atlantic City electric areas of the project site.

Scope of work

Waldron Engineering will execute the design of the meets and bounds exhibit and traverse document for the project attachments sent previously and shown in in this project plan.

Deliverables

1. The Exhibit A for the meets and bounds will be a 30 scale plan layout drawing based on Exhibit A for the previous project modified for the new ACE access road and the new Clayville Unit 1 ACE switchyard
2. The traverse will be based on the traverse as sent modified to include the additional areas.

Terms and conditions

1. The proposal is subject to the VMEU/Waldron services agreement (Dated September 28, 2012)

Clarifications

1. This does not include any on-site work
2. This quote assumes the work product is to be delivered as sent

Pricing and Terms of Payment

The project engineering services are proposed on a Time & Material basis with a not-to-exceed limit (NTE) and will be set up as a Potential Change Order (PCO) per the governing contract (Scope of work dated September 28, 2012)

WALDRON ENGINEERING & CONSTRUCTION, INC.

Five Thousand Dollars \$5,000.00

Waldron shall alert VMEU when 80% of the NTE amount has been expended. Invoices will be issued as part of the existing contract (Milestone No. 61)

Payment terms are per the original contact (includes a 10% retainage)

Waldron thanks you for allowing us to submit this scope of work. If you find this to be complete and wish to provide us with the PCO authorization, we are prepared to begin work immediately.

If you have any questions please do not hesitate to contact me or Jeremy Smith at 603-772-7153 or by E-mail at jsmith@waldron.com

Very truly yours
Waldron Engineering & Construction, Inc.



Jeremy Smith, PE
Project Manager

Waldron Engineering & Construction, Inc. Fee Schedule

LABOR CATEGORY	BILLING RATE EFFECTIVE THROUGH DECEMBER 31, 2014
Project Manager	\$203.00
Construction Manager	\$182.00
Senior Project Engineer	\$164.00
Project Engineer	\$135.00
Design Engineer	\$135.00
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Construction Supervisor	\$155.00
Construction Coordinator-Project Controls	\$112.00
Commissioning Engineer	\$156.00
Administrative	\$66.00

For 2015 it is estimated that the above rates will increase by approximately 3.5%