

RESOLUTION NO. 2014-340

A RESOLUTION AUTHORIZING THE ISSUANCE OF AMENDATORY SUPPLEMENTAL CHANGE ORDER NO. 13, TO CONTRACT NO. RES09-623, ISSUED TO ROLLS-ROYCE ENERGY SYSTEMS, INC., MOUNT VERNON, OH.

WHEREAS, the City Council of the City of Vineland, on November 24, 2009, adopted Resolution No. 2009-623, entitled "A RESOLUTION AWARDING A CONTRACT TO ROLLS-ROYCE ENERGY SYSTEMS INC., MOUNT VERNON, OH, FOR THE COMPLETION OF VMEU SIMPLE CYCLE TURBINE GENERATOR WITH SELECTIVE CATALYTIC REDUCTION"; and

WHEREAS, N.J.A.C. 5:30-11.1, et seq., sets forth the requirements for the processing of change orders; and

WHEREAS, the Director of Municipal Utilities has requested a change order to contract awarded to Rolls-Royce Energy Systems, Inc., Mount Vernon, OH for the Completion of VMEU Simple Cycle Turbine Generator with Selective Catalytic Reduction as authorized by Resolution No. 2009-623; said change order is necessary to incorporate the following modifications, resulting in a **reduction** of the contract amount by \$117,377.22

1. Amended contractual delivery schedule for Clayville Unit #1 (no change in contract price);
2. Contract price reductions for acceptance of contract variations for Clayville Unit #1: a) \$500,000 reduction for accelerated milestone payment schedule; b) \$243,952 reduction for selecting a turbine generator design; c) \$150,000 reduction for selecting a single-fuel (natural gas only) turbine generator design;
3. Contract price reduction of \$490,152.52 reflecting actual cost of spare parts for H.M. Down Unit #11;
4. Design modification for air filter module platform for Clayville Unit #1 resulting in a contract price increase of \$64,432.
5. Exercise the spare parts option for Clayville Unit #1 in the amount of \$1,202,295.30; and

WHEREAS, the City of Vineland desires to comply with said requirements of N.J.A.C. 5:30-11.1, et seq., and to that end herewith files with the governing body a report stating the facts involved and indicating that the proposed change order may be allowed under these regulations; now, therefore,

BE IT RESOLVED by the Council of the City of Vineland that said amendatory supplemental change order to Contract No. RES09-623, issued to Rolls-Royce Energy Systems, Inc., Mount Vernon, OH, to reflect a **reduction** of the contract amount by \$117,377.22, be and the same is hereby ratified and approved.

Adopted:

President of Council

ATTEST:

City Clerk



August 19, 2014

REPORT

TO: THE MAYOR AND COUNCIL

RE: Reduction Change Order No. 13
Contract No RES09-623
VMEU Simple Cycle Turbine Generator with Selective Catalytic Reduction
Rolls-Royce Energy Systems, Inc., Mount Vernon, OH

Dear Mayor and Members of Council:

We are requesting that an amendatory supplemental change order be issued for Contract No. RES09-623, issued to Rolls-Royce Energy Systems, Inc., Mount Vernon, OH for the Completion of VMEU Simple Cycle Turbine Generator with Selective Catalytic Reduction. This contract was authorized by Resolution No. 2009-623, adopted by City Council on November 24, 2009.

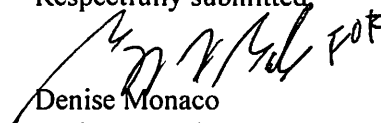
The change order requested is necessary to incorporate the following modifications, resulting in a **reduction** of the contract amount of **\$117,377.22**:

1. Amended contractual delivery schedule for Clayville Unit #1 (no change in contract price);
2. Contract price reductions for acceptance of contract variations for Clayville Unit #1: a) \$500,000 reduction for accelerated milestone payment schedule; b) \$243,952 reduction for selecting a turbine generator design; c) \$150,000 reduction for selecting a single-fuel (natural gas only) turbine generator design;
3. Contract price reduction of \$490,152.52 reflecting actual cost of spare parts for H.M. Down Unit #11;
4. Design modification for air filter module platform for Clayville Unit #1 resulting in a contract price increase of \$64,432.
5. Exercise the spare parts option for Clayville Unit #1 in the amount of \$1,202,295.30;

This change order **decreases** the current revised contract amount of \$58,301,559.05 to \$58,184,181.83

The amendatory supplemental change order for which authorization is herein requested may be authorized in accordance with N.J.A.C. 5:30-11.1 et seq.

Respectfully submitted,


Denise Monaco
Assistant Business Administrator

DM/wr
Encl.



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

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



REQUEST FOR CHANGE ORDER
FOR:

VMEU Simple Cycle Turbine Generator With Selective Catalytic Reduction
PROJECT NAME

TO: BUSINESS ADMINISTRATION

DEPARTMENT: VMEU Generation Engineering FROM: Pete Kudless, Project Manager

This is a request for change order # 13 to Contract # RES09-623 for:

Project Name: VMEU Simple Cycle Turbine Generator With Selective Catalytic Reduction

Name/Address of Contractor: Rolls-Royce Energy Systems, Inc.
105 N. Sandusky St.
Mount Vernon, OH 43050

This change order is necessary to incorporate the following five (5) modifications to this contract (Resolution 2009-623 attached):

- 1) Amended contractual delivery schedule for Clayville Unit #1 in accordance with Contract Variation Proposal CV 27 dated July 31, 2014 (copy attached). This Contract Modification does not change the contract price.
- 2) Contract price reductions for acceptance of contract variations proposed by Rolls-Royce for Clayville Unit #1, in accordance with Contract Variation Proposal CV 25 dated July 29, 2014 (copy attached). Rolls-Royce has proposed the following price reductions:
 - a. \$500,000.00 reduction for an accelerated milestone payment schedule. This proposal has been evaluated by VMEU and determined to be cost effective and in the best interests of the City of Vineland.
 - b. \$243,952.00 reduction for selecting a turbine generator design essentially identical to H.M. Down Unit #11.





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- c. \$150,000.00 reduction for selecting a single-fuel (natural gas only) turbine generator design.
- 3) Contract price reduction of \$490,152.52 reflecting actual cost of spare parts for H.M. Down Unit #11.
 - a. In their proposal submitted on October 27, 2009, Rolls-Royce proposed an option for Spare Parts Inventory at contract price increase of \$1,773,924.00. This option was incorporated into this contract by Change Order #4 on November 29, 2010 (copy attached). This contract price increase was based on Rolls-Royce's best estimate at that time.
 - b. Rolls-Royce concurs that the actual cost of spare parts for H.M. Down Unit #11 were \$1,283,771.48, resulting in a credit due to VMEU. See attached e-mail from Rolls-Royce dated August 4, 2014.
- 4) Design modification for air filter module platform for Clayville Unit #1 in accordance with Contract Variation Proposal CV 8 dated April 1, 2013 (copy attached). This design modification was added to Clayville Unit #1 based on "lessons learned" from H.M. Down Unit #11. Incorporation of this proposal results in a contract price increase of \$64,432.00.
- 5) Exercise of spare parts option for Clayville Unit #1.
 - a. In their proposal submitted on October 27, 2009, Rolls-Royce proposed an option for a second turbine generator (Clayville Unit #1). This option was incorporated into this contract by Change Order #6 on November 9, 2011 (copy attached). Change Order #6 was adopted on November 7, 2011 by Resolution # 2011-452 (copy attached).
 - b. When this option was incorporated, VMEU requested a quotation from Rolls-Royce for a Contract Price Modification for Recommended Spare Parts Inventory for Clayville Unit #1 (copy attached). The quoted price for spare parts for Clayville Unit #1 is \$1,202,295.30.
 - c. The quoted price is valid until August 31, 2014, at which time Rolls-Royce will implement a price increase.





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Contract Price Modification Breakdown

1) Schedule Modification	\$0
2) Contract Variation Credits	
a. Accelerated Payment Schedule	(\$500,000.00)
b. Identical Turbine Generator Design	(\$243,952.00)
c. Single Fuel Design	(\$150,000.00)
3) Unit #11 Spare Parts Credit	(\$490,152.52)
4) Air Filter Platform	\$64,432.00
5) Clayville Unit #1 Spare Parts	\$1,202,295.30
TOTAL	(\$117,377.22)

Original Contract Amount:	\$ <u>26,925,000.00</u>
Amount of This Change Order:	\$ <u>(117,377.22)</u>
Previous Change Orders:	\$ <u>32,376,559.05</u>
Total Revised Amount:	\$ <u>58,184,181.83</u>



APPROVED BY: JOHN BOYLE, ASSI.Gdm
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
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Request for Change Order 13 to Contract # RES09-623 for:

VMEU Simple Cycle Turbine Generator With Selective Catalytic Reduction

Account Breakdown			
Line Item	Description	Amount	Account Number
1	Schedule Modification	\$0.00	n/a
2	Contract Variation Credits		
a 2.	Accelerated Payment Schedule	-\$500,000.00	022-0-00-00-0000-2-7511600 E343Y
b 2.	Identical Turbine Generator Design	-\$243,952.00	022-0-00-00-0000-2-7511600 E343Y
c 2.	Single Fuel Design	-\$150,000.00	022-0-00-00-0000-2-7511600 E343Y
3	Unit #11 Spare Parts Credit	-\$490,152.52	022-0-00-00-0000-2-7511300 E343X
4	Air Filter Platform	\$64,432.00	022-0-00-00-0000-2-7511600 E343Y
5	Clayville Unit #1 Spare Parts	\$1,202,295.30	022-0-00-00-0000-2-7511600 E343Y



CITY OF VINELAND, NJ

RESOLUTION NO. 2009- 623

A RESOLUTION AWARDED A CONTRACT TO ROLLS-ROYCE ENERGY SYSTEMS INC., MOUNT VERNON, OH, FOR THE COMPLETION OF VMEU SIMPLE CYCLE TURBINE GENERATOR WITH SELECTIVE CATALYTIC REDUCTION.

WHEREAS, the City of Vineland has heretofore advertised for bids for the Completion of VMEU Simple Cycle Turbine Generator with Selective Catalytic Reduction, in accordance with specifications on file in the office of the Purchasing Agent; and

WHEREAS, on October 27, 2009, bids were received, duly opened and read aloud, being referred to the Business Administrator for tabulation, evaluation, report and recommendation; and

WHEREAS, the Business Administrator has, under date of November 17, 2009 submitted a written report and tabulation of the bids received and has recommended that a contract for the Completion of VMEU Simple Cycle Turbine Generator with Selective Catalytic Reduction, be awarded to Rolls-Royce Energy Systems Inc., Mount Vernon, OH, in the amount of \$26,925,000.00, the City of Vineland reserves the right to exercise the Contract Price Modifications (price options) offered by Rolls-Royce Energy Systems, Inc. per the specification and their proposal, upon approval of City Council by means of change orders, if in the best interests of the City, within the timelines detailed in the specification and their proposal, said bid being the evaluated lowest responsive bid received and considered in the best interest of the City of Vineland; now, therefore,

BE IT RESOLVED by the Council of the City of Vineland that said contract for the Completion of VMEU Simple Cycle Turbine Generator with Selective Catalytic Reduction, be and the same is awarded to Rolls-Royce Energy Systems Inc., Mount Vernon, OH, on their bid in the amount of \$26,925,000.00, the City of Vineland reserves the right to exercise the Contract Price Modifications (price options) offered by Rolls-Royce Energy Systems, Inc. per the specification and their proposal, upon approval of City Council by means of change orders, if in the best interests of the City, within the timelines detailed in the specification and their proposal, said bid being the evaluated lowest responsive bid received and considered in the best interest of the City of Vineland, and the Purchasing Agent be and the same is hereby authorized and directed to issue purchase order contract for the same in behalf of the City; and

BE IT FURTHER RESOLVED that the City Comptroller has certified that the funds for the contract to be awarded herein are available.

Adopted: November 24, 2009

Peter F. Cocca
President of Council pfc.III

ATTEST:

Kathleen Kelly
City Clerk kp



Rolls-Royce

Contract Variation Proposal

Option Reg No.

27
Rev 1

Project No: MA916 Unit No. _____ Date Estimated: 7-31-14 Customer / Customer Order # _____

CV Name:
Amended Delivery Schedule

Source of Contract Variation Request: _____ Project Name: VMEU - Clayville Unit #1

Reason for Change:
Officially document the amended contractual delivery schedule that results from delay requested by VMEU as required to accommodate the delay experienced by VMEU in finalizing the EPC contract.

Description of Change:
See attached "RR Shipping Plan With C&H 6-10-14 Dates Rev 3. A +/- two week tolerance applies to the stated dates of need. VMEU to give RR 30 day notice of a delivery date change. Separate CN will be issued to cover the storage cost.

Bid Currency: _____ CV Price: N/A Current Tot Cont Price: _____ Rev Tot Cont Price: _____

Delivery Impact: _____ days, valid if customer signs and returns this document by: _____

Submitted by: Sonny Harianto Date: July 31, 2014
Project Manager

Customer Approval: Approved Rejected

Reason for Rejection:

Approved By: Peter J. Kudler Note: Subject to City Council
Name _____ Name _____
Project Manager 8/1/14 approval of a Contract Change Order
Title / Date _____ Title / Date _____

Approved By: Sonny Harianto Date: 7/31/14
Name _____ On behalf of VMEU
SONNY HARIANTO
Name _____
On behalf of Rolls-Royce Energy Systems Inc

RR Shipping Plan With C&H 6-10-14 Dates Rev 3.xlsx

Storage Requirements	
A	Indoor-Climate Controlled
B	Indoor
C	Outdoor-Covered (Tarpaulin or Awning)
D	Outdoor-Open

MAX: 5 TRUCKS PER DAY

System	Unit	General Description	L(in)	W(in)	H(in)	G. Weight (LBS)	Storage Req.	Number of Trucks	RR Comments	Ref C&H Task ID #	On-site date based on C&H 6-10-14 Schedule
Mt. Vernon Package	1	Trent Main Skid	480.00	186.00	170.00	125000	D	1	Heavy haul	469	10/6/14
Mt. Vernon Package	1	Mechanical Handling skid	154.00	117.00	34.00	13000	D	A	A - 2 "out of gauge" and 1 53-ft trucks.	469	10/6/14
Mt. Vernon Package	1	CO2 Bottles (RRE008839)	40.00	68.00	34.00	1708	B	A		13	4/1/15 to 4/30/15
Mt. Vernon Package	1	CO2 Cabinet (RRE051836)	101.00	73.00	100.00	3700	B	A		469	10/6/14
Mt. Vernon Package	1	Exhaust Transistion Duct	136.00	120.00	74.00	2720	B	A		469	10/6/14
Mt. Vernon Package	1	Tooling	55.00	30.00	22.00	372	B	A		469, 396	10/1/14 to 10/6/14
Mt. Vernon Package	1	GT Electric Start VFD Cabinet	68	39	99	3583	B	A		469, 396	10/1/14 to 10/6/14
Mt. Vernon Package	1	UCP Panel	170.00	40.00	95.00	4250	D	A		469, 396	10/1/14 to 10/6/14
Mt. Vernon Package	1	ISI VFD x3 (RRE029557)	53.00	29.00	22.00	300	B	A		469, 396	10/1/14 to 10/6/14
Mt. Vernon Package	1	WIJ VFD x3 (RRE031109)	56.00	35.00	27.00	464	B	A		469, 396	10/1/14 to 10/6/14
Mt. Vernon Package	1	VFD Drive w/ Cabel & Software	12.00	12.00	12.00	5	B	A		469, 396	10/1/14 to 10/6/14
Mt. Vernon Package	1	VFD Kit	23.00	16.00	20.00	44	B	A		469, 396	10/1/14 to 10/6/14
Mt. Vernon Package	1	Space Heater	32.00	40.00	32.00	212	B	A		469, 396	10/1/14 to 10/6/14
Mt. Vernon Package	1	Flex Coupling	123.00	27.00	33.00	1300	B	A		469, 396	10/1/14 to 10/6/14
Mt. Vernon Package	1	Demister	39.00	36.00	73.00	678	D	A		469, 396	10/1/14 to 10/6/14
Mt. Vernon Package	1	Demister Support Assy	81.00	31.00	44.00	472	D	A		469, 396	10/1/14 to 10/6/14
Mt. Vernon Package	1	Piping, Hoses & GT	96.00	48.00	16.00	702	B	A		469, 396	10/1/14 to 10/6/14
Mt. Vernon Package	1	PIPING-ENGINE INTERCONNECT (H2O INJECTION) PIPING-ENGINE INTERCONNECT (FUEL SYSTEM) HOSE-WATER WASH TUBING-AIR (P30) DIFFUSER INNER EXH DIFFUSER OUTER EXH FIRE & GAS SYSTEM (GT) OFF UNIT TAGS HOSE- LUBE OIL TUBING-ISI ENCLOSURE-GT ACOUSTICS	80.00	48.00	27.00	540	B	A		469, 396	10/1/14 to 10/6/14
Mt. Vernon Package	1	Dowl Pin/ Tennon/ Scroll to GT Enclosure- GT Acoustics Support Front GT	111.00	32.00	16.00	714	B	A		469, 396	10/1/14 to 10/6/14
Mt. Vernon Package	1	Tubing Oil Trans	32.00	31.00	16.00	82	B	A		469, 396	10/1/14 to 10/6/14

RR Shipping Plan With C&H 6-10-14 Dates Rev 3.xlsx

Storage Requirements	
A	Indoor-Climate Controlled
B	Indoor
C	Outdoor-Covered (Tarpaulin or Awning)
D	Outdoor-Open

MAX. 5 TRUCKS PER DAY

System	Unit	General Description	L(in)	W(in)	H(in)	G. Weight (LBS)	Storage Req.	Number of Trucks	RR Comments	Ref C&H Task ID #	On-site date based on C&H 6-10-14 Schedule
Mt. Vernon Package	1	Tubing	245.00	6.00	9.00	78	B	A		469, 396	10/1/14 to 10/6/14
Mt. Vernon Package	1	Calibration Kit	25.00	11.00	7.00	21	B	A		469, 396	10/1/14 to 10/6/14
Mt. Vernon Package	1	Digital Comm Unit	30.00	30.00	16.00	72	B	A		469, 396	10/1/14 to 10/6/14
Mt. Vernon Package	1	Wash Tank and Cart	59.06	39.37	55.12	551	B	A		469, 396	10/1/14 to 10/6/14
Mt. Vernon Package	1	Spares	55.00	30.00	22.00	372	B	A		469, 396	10/1/14 to 10/6/14
SUBTOTALS- Shipment Ex.R-R Mount Vernon, OH (ABOVE)						180017					
Cooler	1	Heat Exchanger Bay	535	117	111	24000	B	B	B - 2 trucks	540	2/1/15 to 2/20/15
Cooler	1	Heater/Control Panel	182	90	72	3960	B	B		540	2/1/15 to 2/20/15
Cooler	1	Surge Tank	136	61	29	1060	B	B		540	2/1/15 to 2/20/15
Cooler	1	Hardware Skid	136	45	24	960	C	B		540	2/1/15 to 2/20/15
Cooler	1	Beams	69	46	20	1370	C	B		540	2/1/15 to 2/20/15
Cooler	1	Ladder	200	22	13	160	C	B		540	2/1/15 to 2/20/15
Cooler	1	Hardware Skid	53	28	30	330	C	B		540	2/1/15 to 2/20/15
SUBTOTALS- Shipment Ex. Ecodyne, Houston, TX (ABOVE)						31840					
A/C Generator	1	Air Inlet Silencer (EE)	116	38	104	3108	B	C	See Brush manual for storage info. C - 5 trucks	488, 489	10/8/14
A/C Generator	1	Air Inlet Filter Housing (EE)	125	97	78	4674	B	C		488, 489	10/8/14
A/C Generator	1	Air Inlet Silencer (NEE)	116	37	104	3108	B	C		488, 489	10/8/14
A/C Generator	1	Rotor Removal Equipment	191	57	63	5512	B	C		488, 489	10/8/14
A/C Generator	1	Air Outlet Louvre Assembly	139	89	61	4145	B	C		488, 489	10/8/14
A/C Generator	1	Generator & Loose Details & Generator Spares	311	174	131	189485	B	C		488, 489	10/8/14
A/C Generator	1	13 N Platform / Ladder & Air Out Base Assembly	147	110	50	7474	B	C		488, 489	10/8/14
A/C Generator	1	Foundation Details Loose	57	48	48	2994	B	C		488, 489	10/8/14
A/C Generator	1	Line Cubicle	90	84	97	5842	B	C		488, 489	10/8/14
A/C Generator	1	Neutral Cubicle	72	54	93	2469	B	C		488, 489	10/8/14
A/C Generator	1	Air Outlet Silencer	115	90	97	5644	B	C		488, 489	10/8/14
A/C Generator	1	Air Inlet Filter Housing (NEE)	125	97	78	4674	B	C		488, 489	10/8/14

RR Shipping Plan With C&H 6-10-14 Dates Rev 3.xlsx

Storage Requirements	
A	Indoor-Climate Controlled
B	Indoor
C	Outdoor-Covered (Tarpaulin or Awning)
D	Outdoor-Open

MAX: 5 TRUCKS PER DAY

System	Unit	General Description	L(in)	W(in)	H(in)	G. Weight (LBS)	Storage Req.	Number of Trucks	RR Comments	Ref C&H Task ID #	On-site date based on C&H 6-10-14 Schedule
A/C Generator	1	GCPP	77	41	103	1927	B	C		488, 489	10/8/14
SUBTOTALS- Shipments Ex. Brush Electrical Machines Ltd., Loughborough, UK (ABOVE)						241055					
Acoustics BOP	1	Inlet Upper Duct - (1 of 2)	139	96	91	3814	C	D	D - 7 trucks	21, 467	8/22/14 to 8/28/14
Acoustics BOP	1	Primary Silencer	139	66	87	4431	B	D		21, 467	8/22/14 to 8/28/14
Acoustics BOP	1	Inlet Upper Duct - (2 of 2)	134	67	143	4255	C	D		21, 467	8/22/14 to 8/28/14
Acoustics BOP	1	Ventilation Silencer	138	77	133	6790	B	D		21, 467	8/22/14 to 8/28/14
Acoustics BOP	1	Vent Outlet Cowl	193	68	79	3351	C	D		21, 467	8/22/14 to 8/28/14
Acoustics BOP	1	Bleed Outlet Cowl	194	62	78	2623	C	D		21, 467	8/22/14 to 8/28/14
Acoustics BOP	1	Roof #1 Module	199	135	174	19753	C	D		21, 467	8/22/14 to 8/28/14
Acoustics BOP	1	Roof #2 Module	199	125	136	11596	C	D		21, 467	8/22/14 to 8/28/14
Acoustics BOP	1	Roof #3 Module	199	113	104	8752	C	D		21, 467	8/22/14 to 8/28/14
Acoustics BOP	1	Roof #4 Module Door Rail Door Rail Fastener Kit (1 of 2) Door Carriage	207	141	35	7033	C	D		21, 467	8/22/14 to 8/28/14
Air Filter	1	Weatherhoods Frames & Gutters	193	44	69	6446	C	M	M - 9 trucks	21, 467	8/22/14 to 8/28/14
Air Filter	1	Duct Silencer	144	70	114	7848	B	M		21, 467	8/22/14 to 8/28/14
Air Filter	1	Fastener Kit's and Hardware Kits (incl. Weather Hood (2 of 2) Filter Support - (1 of 2)	96	48	55	2800	C	M		21, 467	8/22/14 to 8/28/14
Air Filter	1	Lower Access Platform - (1 of 2) Upper Access Platform -	373	83	90	25684	C	M		21, 467	8/22/14 to 8/28/14
Air Filter	1	Filter Support - (2 of 2) Lower Access Platform - (2 of 2)	353	93	63	25904	C	M		21, 467	8/22/14 to 8/28/14
Air Filter	1	Rear Upper Transition	246	117	96	24801	C	M		21, 467	8/22/14 to 8/28/14
Air Filter	1	Rear Lower Transition	246	124	145	22265	C	M		21, 467	8/22/14 to 8/28/14
Air Filter	1	Duct	281	56	119	5666	C	M		21, 467	8/22/14 to 8/28/14
Air Filter	1	Forward Lower Transition	276	90	143	7407	C	M		21, 467	8/22/14 to 8/28/14
Air Filter	1	Combust Air Filter (Lower) (1 of 2)	293	99	159	10560	B	M		21, 467	8/22/14 to 8/28/14
Air Filter	1	Extension Duct	282	152	89	20238	C	M		21, 467	8/22/14 to 8/28/14

RR Shipping Plan With C&H 6-10-14 Dates Rev 3.xlsx

Storage Requirements	
A	Indoor-Climate Controlled
B	Indoor
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MAX: 5 TRUCKS PER DAY

System	Unit	General Description	L(in)	W(in)	H(in)	G. Weight (LBS)	Storage Req.	Number of Trucks	RR Comments	Ref C&H Task ID #	On-site date based on C&H 6-10-14 Schedule
Air Filter	1	Forward Upper Transition	276	89	148	6063	C	M		21,467	8/22/14 to 8/28/14
Air Filter	1	Upper Service Plenum	293	74	146	8598	B	M		21,467	8/22/14 to 8/28/14
Air Filter	1	Combust Air Filter (Upper) - (1 of 2)	293	93	164	10869	B	M		21,467	8/22/14 to 8/28/14
Air Filter	1	Lower Service Plenum -	293	74	143	8400	B	M		21,467	8/22/14 to 8/28/14
Air Filter	1	Weather Cowl	143	60	70	1830	C	M		21,467	8/22/14 to 8/28/14
Air Filter	1	Weather Cowl	143	60	70	2249	C	M		21,467	8/22/14 to 8/28/14
SUBTOTALS- Shipments Ex. AAF Ltd., Wuhan, China (ABOVE)						270027					
Air Filter	1	Filter Cartridge - RRE024872	50	50	80	893	A	E	E - 2 trucks	15,486	3/1/15 to 3/15/15
Air Filter	1	Filter Cartridge - RRE024872	50	50	80	893	A	E		15,486	3/1/15 to 3/15/15
Air Filter	1	Filter Cartridge - RRE024872	50	50	80	893	A	E		15,486	3/1/15 to 3/15/15
Air Filter	1	Filter Cartridge - RRE024872	50	50	80	893	A	E		15,486	3/1/15 to 3/15/15
Air Filter	1	Filter Cartridge - RRE024872	50	50	80	893	A	E		15,486	3/1/15 to 3/15/15
Air Filter	1	Filter Cartridge - RRE024872	50	50	80	893	A	E		15,486	3/1/15 to 3/15/15
Air Filter	1	Filter Cartridge - RRE024872	50	50	80	893	A	E		15,486	3/1/15 to 3/15/15
Air Filter	1	Filter Cartridge - RRE024872	50	50	80	893	A	E		15,486	3/1/15 to 3/15/15
Air Filter	1	Filter Cartridge - RRE024872	50	50	80	893	A	E		15,486	3/1/15 to 3/15/15
Air Filter	1	Filter Cartridge - RRE024872	50	50	80	893	A	E		15,486	3/1/15 to 3/15/15
Air Filter	1	Filter Cartridge - RRE024872	50	50	80	893	A	E		15,486	3/1/15 to 3/15/15
Air Filter	1	Filter Cartridge - RRE024872	49	40	80	721	A	E		15,486	3/1/15 to 3/15/15
Air Filter	1	Filter Cartridge - RRE024872	49	40	80	721	A	E		15,486	3/1/15 to 3/15/15
Air Filter	1	Filter Cartridge - RRE024872	49	40	80	721	A	E		15,486	3/1/15 to 3/15/15
Air Filter	1	Filter Cartridge - RRE024872	49	40	80	721	A	E		15,486	3/1/15 to 3/15/15
Air Filter	1	Filter Cartridge - RRE024872	49	40	80	721	A	E		15,486	3/1/15 to 3/15/15
Air Filter	1	Filter Cartridge - RRE024872	49	40	41	320	A	E		15,486	3/1/15 to 3/15/15
Air Filter	1	Filter Cartridge - RRE024872	16	16	8	103	A	E		15,486	3/1/15 to 3/15/15

RR Shipping Plan With C&H 6-10-14 Dates Rev 3.xlsx

Storage Requirements	
A	Indoor-Climate Controlled
B	Indoor
C	Outdoor-Covered (Tarpaulin or Awning)
D	Outdoor-Open

MAX: 5 TRUCKS PER DAY

System	Unit	General Description	L(in)	W(in)	H(in)	G. Weight (LBS)	Storage Req.	Number of Trucks	RR Comments	Ref C&H Task ID #	On-site date based on C&H 6-10-14 Schedule
SUBTOTALS- Shipments Ex. AAF INTERNATIONAL, DUBAI, UAE (ABOVE)						16527					
Acoustics BOP	1	Combustion Air Filter (Lower) - (2 of 2) Combustion Air Filter (Upper) - (2 of 2)	1309	146	24	362	B	F	F - 2 trucks	396, 470	10/1/14 to 10/8/14
Acoustics BOP	1	Exhaust Fan - (1 of 2)	106	58	71	2954	B	F		396, 470	10/1/14 to 10/8/14
Acoustics BOP	1	Exhaust Fan - (2 of 2)	276	48	24	3307	B	F		396, 470	10/1/14 to 10/8/14
Acoustics BOP	1	Weather Hood - (3 of 3)	276	48	24	3307	B	F		396, 470	10/1/14 to 10/8/14
Acoustics BOP	1	Ventilation ASM Inlet	130	80	24	1455	B	F		396, 470	10/1/14 to 10/8/14
Acoustics BOP	1	Ventilation Fan - (1 of 4)	86	40	72	2350	B	F		396, 470	10/1/14 to 10/8/14
Acoustics BOP	1	Ventilation Fan - (2 of 4)	86	40	72	2350	B	F		396, 470	10/1/14 to 10/8/14
Acoustics BOP	1	Ventilation Fan - (3 of 4)	86	40	72	2350	B	F		396, 470	10/1/14 to 10/8/14
Acoustics BOP	1	Ventilation Fan - (4 of 4)	123	21	21	406	B	F		396, 470	10/1/14 to 10/8/14
SUBTOTALS- Shipments Ex. Stadlum Packing Ltd. UK (ABOVE)						18841					
UPS	1	Switchmode-UPS Panel - RRE043994 (1 of 5)	39	31	87	853	B	G	See UPS UNPACKING & STORAGE PROCEDURES, G - 1 truck	380, 396	10/1/14 to 1/31/15
UPS	1	Motor Starter Panel - RRE043994 (2 of 5)	31	31	24	159	B	G		380, 396	10/1/14 to 1/31/15
UPS	1	Battery Cells C/W Accessories & Fittings - RRE043994 (3 of 5)	44	31	35	1448	B	G		380, 396	10/1/14 to 1/31/15
UPS	1	SLA500 Battery Cells - RRE043994 (4 of 5)	44	31	28	1384	B	G		380, 396	10/1/14 to 1/31/15
UPS	1	Battery Stand - RRE043994 (5 of 5)	48	35	13	134	B	G		380, 396	10/1/14 to 1/31/15
SUBTOTALS- Shipments Ex. Erskine Systems, Scarborough, UK (ABOVE)						3979					
Aux Fuel Skid	1	Auxiliary Fuel Skid	155	76	105	7165	B	1		534	1/1/15 to 1/31/15
SUBTOTALS- Shipments Ex. Indufil BV, Netherlands (ABOVE)						7165					
ISI Skid	1	ISI Skid	164	98	82	11500	B	H	H - 2 trucks	396, 470	10/1/14 to 10/6/14
Nozzle Array Module (ISI)	1	Nozzle Array Module	243	14	18	1000	B	H		396, 470	10/1/14 to 10/6/14

RR Shipping Plan With C&H 6-10-14 Dates Rev 3.xlsx

Storage Requirements	
A	Indoor-Climate Controlled
B	Indoor
C	Outdoor-Covered (Tarpaulin or Awning)
D	Outdoor-Open

System	Unit	General Description	L(in)	W(in)	H(in)	G. Weight (LBS)	Storage Req.	Number of Trucks	RR Comments	Ref C&H Task ID #	On-site date based on C&H 6-10-14 Schedule
SUBTOTALS- Shipments Ex. Caldwell, Louisville, Kentucky, USA (ABOVE)						12500					
AC GEN MLO Skid	1	AC Gen MLO Skid	127	55	145	10200	B	I	See MFG-F-109 Storage Preservation Instructions Form. I - 3 trucks	396, 490	10/1/14 to 10/5/14
Water Injection Skid	1	Water Injection Skid	110	77	70	3200	B	I		514	11/1/14 to 11/21/14
Water Injection Skid	1	Water Injection Skid Enclosure	407	306	373	5201	B	I		514	11/1/14 to 11/21/14
SUBTOTALS- Shipments Ex. Mitten, Syracuse, NY (ABOVE)						13400					
Circuit Breaker	1	Outdoor Non-walkin 15KV Gear	122	124	118	18000	B	J	J - 2 trucks	396, 616	10/1/14 to 10/14/14
Circuit Breaker	1	15KV Breaker S/N 519413-01-001	37	37	42	535	B	J		396, 616	10/1/14 to 10/14/14
SUBTOTALS- Shipments Ex. PACS, Mount Vernon, OH (ABOVE)						18535					
Gas Generator	1	Gas Generator	234	106	113	40785	A (specific temperature: Not applicable, Specific humidity < 65%)	K	K - 1 truck	473	11/28/14
Gas Generator	1	Installation Kit	81	41	26	529	C	K		473	11/28/14
SUBTOTALS- Shipment Ex.R-R Montreal, CA (ABOVE)						41314					
SCR	1	Duct Section 1	219	180	136	30000	D	L	L - 20 trucks - NEEDS TO BE IN SEQUENCE	550	9/29/14 to 10/3/14
SCR	1	Duct Section 2	306	172	118	25000	D	L		550	9/29/14 to 10/3/14
SCR	1	Duct Section 3	441	173	118	34000	D	L		550	9/29/14 to 10/3/14
SCR	1	Duct Section 4	569	173	118	42000	D	L		550	9/29/14 to 10/3/14
SCR	1	Duct Section 5	569	173	130	66000	D	L		550	9/29/14 to 10/3/14
SCR	1	Duct Section 6	572	178	106	56000	D	L		550	9/29/14 to 10/3/14
SCR	1	Cooling Air Duct	428	158	111	13000	D	L		550	9/29/14 to 10/3/14
SCR	1	Lower stack section	588	165	171	56000	D	L		550	9/29/14 to 10/3/14
SCR	1	Middle stack sections	432	125	120	46000	D	L	Will come in as 1 section	550	9/29/14 to 10/3/14
SCR	1	Stack transition pieces	178	178	80	9000	D	L		550	9/29/14 to 10/3/14

RR Shipping Plan With C&H 6-10-14 Dates Rev 3.xlsx

Storage Requirements	
A	Indoor-Climate Controlled
B	Indoor
C	Outdoor-Covered (Tarpaulin or Awning)
D	Outdoor-Open

MAX: 5 TRUCKS PER DAY

System	Unit	General Description	L(In)	W(In)	H(In)	G. Weight (LBS)	Storage Req.	Number of Trucks	RR Comments	Ref C&H Task ID #	On-site date based on C&H 6-10-14 Schedule
SCR	1	Upper stack section	528	178	178	51000	D	L		550	9/29/14 to 10/3/14
SCR	1	Lower baffles	156	128	75	15000	D	L		553	9/29/14 to 10/3/14
SCR	1	Middle baffles	156	128	75	15000	D	L		553	9/29/14 to 10/3/14
SCR	1	Upper baffles	156	128	75	15000	D	L		553	9/29/14 to 10/3/14
SCR	1	Roof/wall panels inlet shroud	295	101	96	12122	D	L		515	9/29/14 to 10/3/14
SCR	1	Structural members inlet shroud	299	20	8	3700	D	L		515	9/29/14 to 10/3/14
SCR	1	AFCU	240	120	120	17000	D	L		556	12/1/14
SCR	1	Manifold	180	36	48	4000	D	L		556	12/1/14
SCR	1	Auxiliary blower	72	54	36	840	D	L		554	9/29/14 to 10/3/14
SCR	1	SCR Catalyst	390	96	56	21600	C	L		571	2/18/15
SCR	1	CO Catalyst	126	36	130	10500	C	L		571	2/18/15
SCR	1	Tempering air blowers and accessories					B	L		554	9/29/14 to 10/3/14
SCR	1	Expansion joint (RR exhaust - Section 1)					D	L		550, 470	9/29/14 to 10/3/14
SCR	1	Expansion joints (section 6 to Stack duct)					D	L		551	9/29/14 to 10/3/14
SUBTOTALS- Shipment Ex.Peerless (ABOVE)						542762					



Rolls-Royce

Contract Variation Proposal

Option Reg No.

25
rev 1

Project No: MA916 Unit No. _____ Date Estimated: 7-29-14 Customer / Customer Order # _____

CV Name:
Milestone Payment Schedule

Source of Contract Variation Request: _____ Project Name:
VMEU - Clayville Unit #1

Reason for Change:
Officially document the Milestone Payment Schedule agreed between VMEU and RR when Clayville unit was added to the Contract via Change Order #6.

Description of Change:
See attached e-mail from VMEU dated June 25, 2014 which states the mutual agreement. Also email and notes from David Bergstrom.

Bid Currency: USD CV Price: 893,952.00 Current Tot Cont Price: 28,978,952.00 Rev Tot Cont Price: 28,085,000.00

Delivery Impact: _____ days, valid if customer signs and returns this document by: _____

Submitted by: Sonny Harianto Date: July 29, 2014
Project Manager

Customer Approval: Approved Rejected

Reason for Rejection:

Approved By: Peter J. Kudler Note: Subject to Vernalis City
Name Name
Project Manager / 7/30/14 Council approval of a contract
Title / Date Title / Date Change order.

Approved By: Sonny Harianto Date: 7/29/14
SONNY HARIANTO
Name
On behalf of Rolls-Royce Energy Systems Inc

From VMEU June 13, 2012

Rolls-Royce Change Order #6 to Contract RES09-623 for the second Trent 60 WLE ISI + SCR:

1. Duplicate supplied for the Down #11 Trent 60 WLE ISI + SCR machine.
2. The Trent 60 WLE to be supplied capable of operating on natural gas only.
3. Terms of Payment as follows:

Milestone Description	Milestones	Milestone %	Payment	Paid
Receipt of PO / LOI / Contract	Receipt of signed purchase order	13.50%	\$ 3,791,475	\$ 3,912,159 (a)
Placement of Firm Letter of Intent or P.O. for major buy for AC Generator.	Un-priced copy of LOI or P.O.	31.50%	\$ 8,846,775	\$ 8,726,091 (b) (c)
First submission of Approval documents for General Arrangement Drawing, Foundation and Loading Plan, and P&ID's for Mineral Lube Oil System, Acoustic System, and Air Filter System.	Document transmission receipt	29.25%	\$ 8,214,863	
Receipt of AC Generator Rotor Forging at supplier facility.	Formal Notification of Gas Generator Build Launch in factory (R-R or supplier) with identification of Engine Serial Number	9.00%	\$ 2,527,650	
Baseplate laydown in Rolls-Royce assembly facility.	Photograph or Material on hand in supplier facility.	4.50%	\$ 1,263,825	
Gas Turbine (GG) Rolls-Royce Factory Customer Witness Test	Photograph or Material on hand in assembly facility (R-R or supplier)	2.25%	\$ 631,912	
Retention Payment	Signed Customer witness test log sheet or completed test log sheet if no Customer witness.	10.00%	\$ 2,808,500	
Total		100%	\$ 28,085,000	

The firm price for the Trent 60 WLE ISI + SCR in accordance with Change Order #6 would be reduced to **US\$ 28,085,000.00**.

Notes:

- (a) Dec 2011 payment was \$ 3,912,159. Based on the above agreement this should be \$3,791,475 for an over paid amount of \$ 120,684. Next payment should be \$ 8,846,775 less over payment.

$$\$ 3,912,159 - \$3,791,475 = \$ 120,684 \text{ (overage)}$$

- (b) New payment due \$ 8,846,775 - \$ 120,684 = \$ 8,726,091

- (c) Agreed to receive invoice with June 30, 2012 date for payment by July 13, 2012

Hariato, Sonny (RR Energy Systems)

From: Kudless Peter J. <pkudless@vinelandcity.org>
Sent: Wednesday, June 25, 2014 11:27 AM
To: Curren, Fred (RR Energy Systems)
Cc: Harianto, Sonny (RR Energy Systems); McMillan, Kent (RR Energy Systems); Davis Jeffrey M; Foster Gustav
Subject: RE: MA916 Clayville Unit #1 - Milestone Payment Schedule
Attachments: 4551_001.pdf; Peter J Kudless.vcf

Fred,

I concur.

To be consistent with the procedures we have followed for both the unit # 11 and Clayville unit # 1 projects, I suggest that a Rolls Royce CV form be prepared for you and I to sign to document our agreement.

Subsequently, I'll utilize that signed CV as a basis for submitting a contract change order request to Vineland's Purchasing Dept. which will be generated and sent to Rolls Royce to make this adjustment part of the Vineland – Rolls Royce CTG contract.

Please confirm.

Regards,

Pete Kudless

From: Curren, Fred (RR Energy Systems) [<mailto:fred.curren@rolls-royce.com>]
Sent: Wednesday, June 25, 2014 10:40 AM
To: Kudless Peter J.
Cc: Harianto, Sonny (RR Energy Systems); McMillan, Kent (RR Energy Systems)
Subject: MA916 Clayville Unit #1 - Milestone Payment Schedule

Pete,

Attached is the document we were provided, probably by Dave Bergstrom, defining the milestone payments and the total PO value for the new unit, less any change orders.

It would appear that we are in agreement at this point.

Regards,

Fred Curren, P.E.

Project Manager

New Equipment Business

Rolls-Royce Energy Systems Inc.

<http://www.rolls-royce.com/energy>

fred.curren@rolls-royce.com

Cruz Jose

From: Bergstrom, David (RR Energy Systems) <david.bergstrom@rolls-royce.com>
Sent: Sunday, December 04, 2011 5:32 PM
To: Bergstrom, David (RR Energy Systems); Cruz Jose
Cc: Kudless Peter J.
Subject: RE: DRAFT for DISCUSSION PURPOSES ONLY

DRAFT for DISCUSSION PURPOSES ONLY

Further to my earlier e-mail regarding Change Order #6, I want to confirm the Rolls-Royce understanding regarding cancellation of this change order. VMEU has the right to cancel this change order, without any financial obligation due Rolls-Royce, through June 30, 2012. Any payments made to Rolls-Royce, such as the down payment, will be refunded in full should VMEU elect to cancel Change Order #6.

From: Bergstrom, David (RR Energy Systems)
Sent: Thursday, December 01, 2011 2:18 PM
To: Cruz Jose
Cc: Kudless Peter J.
Subject: DRAFT for DISCUSSION PURPOSES ONLY

DRAFT for DISCUSSION PURPOSES ONLY

Rolls-Royce offers the following options to Change Order #6 to Contract RES09-623 the second Trent 60 WLE ISI + SCR:

1. Duplicate supply to that of the Down #11 Trent 60 WLE ISI + SCR machine.
2. The Trent 60 WLE to be supplied capable of operating on natural gas only.
3. Terms of Payment as follows:

Milestone Description	Milestones	Milestone %
Receipt of PO / LOI / Contract	Receipt of signed purchase order	13.50%
Placement of Firm Letter of Intent or P.O. for major buy for AC Generator	Unpriced copy of LOI or P.O.	31.50%
First submission of Approval documents for General Arrangement Drawing, Foundation and Loading Plan, and P&ID's for Mineral Lube Oil System, Acoustic System, and Air Filler System.	Document transmission receipt	26.25%
Receipt of AC Generator Rotor Forging at supplier facility	Formal Notification of Gas Generator Build Launch in factory (R-R or supplier) with identification of Engine Serial Number	8.00%
Appropriate laydown in Rolls-Royce assembly facility	Photograph of Material on hand in supplier facility	4.50%

Base Cost is \$28,978,952.00

*Base Cost
Total Cost*

Milestone Description	Milestones	Milestone %
Receipt of PO / LOI / Contract	Receipt of signed purchase order	# 3,791,473.00 13.50%
Placement of Firm Letter of Intent or P.O. for major buy for AC Generator.	Unpriced copy of LOI or P.O.	# 2,978,952.00 31.50%
First submission of Approval documents for General Arrangement Drawing, Foundation and Loading Plan, and P&ID's for Mineral Lube Oil System, Acoustic System, and Air Filter System.	Document transmission receipt	# 2,978,952.00 29.25%
Receipt of AC Generator Rotor Forging at supplier facility.	Formal Notification of Gas Generator Build Launch in factory (R-R or supplier) with Identification of Engine Serial Number	# 2,610,466.00 9.00%
Baseplate laydown in Rolls-Royce assembly facility.	Photograph or Material on hand in supplier facility.	# 1,262,476.00 4.50%
Gas Turbine (GG) Rolls-Royce Factory Customer Witness Test	Photograph or Material on hand in assembly facility (R-R or supplier)	# 631,952.00 2.25%
Retention Payment	Signed Customer witness test log sheet or completed test log sheet if no Customer witness.	# 2,897,500.00 10.00%
Total		100%

Two alternates:

	Alternate #1 Dual Fuel	Alternate #2 Single Fuel
Base Cost	\$ 28,978,952.00	\$ 28,978,952.00
Advance Payment Savings	\$ 500,000.00	\$ 500,000.00
Duplicate Unit Design Savings	\$ 244,000.00	\$ 243,952.00
Fuel Type	\$ -	\$ 150,000.00
Total Cost	\$ 28,234,952.00	\$ 28,085,000.00

*PAID 2,912,159 12/10/11
2,191,415
1,011,454 02/11*

*NEW APPROVAL
5,846,121.00
170,000.00
6,710,629.00*

From VMEU June 13, 2012

Rolls-Royce Change Order #6 to Contract RES09-623 for the second Trent 60 WLE ISI + SCR:

1. Duplicate supplied for the Down #11 Trent 60 WLE ISI + SCR machine.
2. The Trent 60 WLE to be supplied capable of operating on natural gas only.
3. Terms of Payment as follows:

	<u>Milestone Description</u>	<u>Milestones</u>	<u>Milestone %</u>	<u>Payment</u>	<u>Paid</u>
①	Receipt of PO / LOI / Contract	Receipt of signed purchase order	13.50%	\$ 3,791,475	\$ 3,912,159 (a) <i>18-8790</i>
②	Placement of Firm Letter of Intent or P.O. for major buy for AC Generator.	Un-priced copy of LOI or P.O.	31.50%	\$ 8,846,775	\$ 8,726,091 (b) (c) <i>12-000931</i> <i>12-000932</i>
③	First submission of Approval documents for General Arrangement Drawing, Foundation and Loading Plan, and P&ID's for Mineral Lube Oil System, Acoustic System, and Air Filter System.	Document transmission receipt	29.25%	\$ 8,214,863 <i>paid</i> <i>12-000932</i> <i>12-000933</i>	<i>11/12/2012</i>
④	Receipt of AC Generator Rotor Forging at supplier facility.	Formal Notification of Gas Generator Build Launch in factory (R-R or supplier) with Identification of Engine Serial Number	9.00%	\$ 2,527,650	<i>paid 8/27/2013</i>
⑤	Baseplate laydown in Rolls-Royce assembly facility.	Photograph or Material on hand in supplier facility.	4.50%	\$ 1,263,825 <i>paid</i> <i>12-000933</i>	<i>8/12/2013</i>
⑥	Gas Turbine (GG) Rolls-Royce Factory Customer Witness Test	Photograph or Material on hand in assembly facility (R-R or supplier)	2.25%	\$ 631,912 <i>paid</i> <i>12-000933</i>	<i>5/18/2013</i>
⑦	Retention Payment	Signed Customer witness test log sheet or completed test log sheet if no Customer witness.	10.00%	\$ 2,808,600	
	Total		100%	\$ 28,085,000	

The firm price for the Trent 60 WLE ISI + SCR in accordance with Change Order #6 would be reduced to US\$ 28,085,000.00.

Notes:

- (a) Dec 2011 payment was \$ 3,912,159. Based on the above agreement this should be \$ 3,791,475 for an over paid amount of \$ 120,684. Next payment should be \$ 8,846,775 less over payment.

$$\$ 3,912,159 - \$ 3,791,475 = \$ 120,684 \text{ (overage)}$$

- (b) New payment due \$ 8,846,775 - \$ 120,684 = \$ 8,726,091

- (c) Agreed to receive invoice with June 30, 2012 date for payment by June 13, 2012

**CHANGE ORDER
CITY OF VINELAND
DEPARTMENT OF PURCHASING
640 E. WOOD STREET
P.O. BOX 1508
VINELAND, NJ 08362-1508**

Telephone (856) 794-4040

Fax (856) 794-4327

DATE 11/29/10	DEPT. Elect. Dist.	DATE WANTED Per Contract	ACCOUNT NUMBER Various
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TO:

**Rolls-Royce Energy Systems, Inc.
105 N. Sandusky St.
Mount Vernon, OH 43050**

CONTRACT NUMBER RES09-623
CHANGE ORDER NO. 4

Unless otherwise specified, transportation charges FOB Destination & freight prepaid				
ITEM	QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
		<p>Amendatory Supplemental Change Order to RES09-623 for the furnishing and delivery of VMEU SIMPLE CYCLE TURBINE GENERATOR WITH SELECTIVE CATALYTIC REDUCTION, for the City of Vineland Municipal Electric Utility. Authorized by Resolution No. 2009-623.</p> <p>The following change as requested by Joseph Isabella, Director of Municipal Utilities:</p> <p>To exercise Contract Price Modifications: A – Recommended Spare Parts Inventory & Pricing B - Long Term Service Agreement & Pricing</p> <p>As offered by Rolls-Royce in their proposal submitted at public bidding on October 27, 2009, thereby incorporating their scope within the existing contract at the offered pricing, prior to the expiration of the pricing validity date of November 25, 2010.</p> <p>TOTAL AMOUNT OF CHANGE ORDER NO. 4</p> <p style="text-align: right;">(Cont'd)</p>		\$+1,773,924.00

FOR THE CITY OF VINELAND

 Purchasing Agent

 Comptroller

**CHANGE ORDER
CITY OF VINELAND
DEPARTMENT OF PURCHASING
640 E. WOOD STREET
P.O. BOX 1508
VINELAND, NJ 08362-1508**

Telephone (856) 794-4040

Fax (856) 794-4327

YL

DATE	DEPT.	DATE WANTED	ACCOUNT NUMBER
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TO:

Rolls-Royce Energy Systems, Inc.

(Cont'd)

CONTRACT NUMBER
RES09-623 (Page 2)
CHANGE ORDER NO. 4

Unless otherwise specified, transportation charges FOB Destination & freight prepaid																
ITEM	QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT												
		<p>Funding has been certified for this change order.</p> <p>This change order is in accordance Rolls Royce Proposal for Long Term Service Agreement (LTSA), Total Care Maintenance, LTSA Ref. No. 0426_01; Rolls Royce LTSA Addendum 2, LTSA Ref. No. 0426_02; and Rolls Royce Long Term Service Agreement (LTSA) Total Care Maintenance and iss authorized by Resolution No. 2010-527.</p> <p>This change order is submitted to you in triplicate. Please sign and return the two stamped copies to the Purchasing Department as they will be considered your acceptance.</p> <table style="width: 100%; margin-top: 10px;"> <tr> <td style="padding: 2px;">Original Contract:</td> <td style="text-align: right; padding: 2px;">\$26,925,000.00</td> </tr> <tr> <td style="padding: 2px;">Change Order No. 1</td> <td style="text-align: right; padding: 2px;">- 500,000.00</td> </tr> <tr> <td style="padding: 2px;">Change Order No. 2</td> <td style="text-align: right; padding: 2px;">+19,868.00</td> </tr> <tr> <td style="padding: 2px;">Change Order No. 3</td> <td style="text-align: right; padding: 2px;">-0-</td> </tr> <tr> <td style="padding: 2px;">Change Order No. 4</td> <td style="text-align: right; padding: 2px;"><u>+1,773,924.00</u></td> </tr> <tr> <td style="padding: 2px;">Total Revised Amount</td> <td style="text-align: right; padding: 2px;">\$28,218,792.00</td> </tr> </table>	Original Contract:	\$26,925,000.00	Change Order No. 1	- 500,000.00	Change Order No. 2	+19,868.00	Change Order No. 3	-0-	Change Order No. 4	<u>+1,773,924.00</u>	Total Revised Amount	\$28,218,792.00		
Original Contract:	\$26,925,000.00															
Change Order No. 1	- 500,000.00															
Change Order No. 2	+19,868.00															
Change Order No. 3	-0-															
Change Order No. 4	<u>+1,773,924.00</u>															
Total Revised Amount	\$28,218,792.00															

FOR THE CITY OF VINELAND

Purchasing Agent

Comptroller

Kudless Peter J.

From: Harianto, Sonny (RR Energy Systems) <sonny.harianto@rolls-royce.com>
Sent: Monday, August 04, 2014 3:11 PM
To: Kudless Peter J.
Cc: Bills, Jeffrey (RR Energy Systems)
Subject: M.A442-Vineland: Spare parts order
Attachments: Copy of Unit #11 Spare Parts Contract Balance Summary Invoice Totals Summary.xlsx

Hi Pete,

To confirm our conversation, on unit 11, we originally estimated \$1,773,924.00 worth of spare parts; however, upon further analysis, you only need \$1,283,771.48 worth of spare parts.

Please let me know if you have any questions.

Thanks,

Sonny Harianto, PMP

Project Manager - New Equipment Business

Rolls-Royce Energy Systems, Inc.

105 N. Sandusky St.

Mt. Vernon, OH 43050

Ph: 740-393-8620

sonny.harianto@rolls-royce.com

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Unit #11 Ops. & Ins. Spare Parts



Original Spare Parts - Change Order #4	VMEU Old P.O. #	VMEU New P.O. #	RR Order #	P.O. Opened/ Closed	Scope of P.O. (Ins., Ops. or SCR)	Contract & P.O. Dollars	Paid to Date	Balance	
\$478,649.00	176936	12-000046	42115874	Closed	Ops. Spares	\$478,649.00	\$157,310.31	\$321,338.69	
\$1,295,275.00	186864	12-000266	42137611	Closed	Ins. Spares	\$1,295,275.00	\$1,126,461.17	\$168,813.83	
						Total Reduced Costs	\$1,773,924.00	\$1,283,771.48	\$490,152.52



Rolls-Royce

Contract Variation Proposal

Option Reg No.

8

Project No: M.A916	Unit No. 1	Date Estimated: 1-April-2013	Customer / Customer Order # VMEU - Clayville Unit 1
-----------------------	---------------	---------------------------------	--

CV Name:

Additional platform for air filter

Source of Contract Variation Request:

VMEU/Waldron request

Project Name:

Clayville Unit 1

Reason for Change:

VMEU/Waldron request

Description of Change:

Add/Modify the following to the air filter:

- 1) Modify Access to ASC Service Plenum door & Control Panel due to additional platforms
- 2) Add Lower Manifold Access
- 3) Add Upper Manifold / ASC Roof Access

Bid Currency: US\$ CV Price: **\$64,432.00** Current Tot Cont Price: Rev Tot Cont Price:

Delivery Impact: n/a days, valid if customer signs and returns this document by: 1-May-2013

Submitted by: Fred Curren, Project Manager Date: 1-April-2013

Project Manager

Customer Approval: Approved Rejected

Reason for Rejection:

Approved By:

Jean M. C...
Name

Name

VMEU / Project Mgr. / 5/21/2013

Company / Title / Date

Company / Title / Date

On behalf of Customer

Approved By:

Fred Curren
Name

Date: 5/17/13

Fred Curren, Project Manager, Rolls-Royce

Name

On behalf of Rolls-Royce Energy Systems Inc

* NOTE:

SUBJECT TO VINEHARD
CITY COUNCIL APPROVAL
OF CHANGE ORDER

June 5/1/2013

CITY OF VINELAND, NJ

RESOLUTION NO. 2011- 452

A RESOLUTION AUTHORIZING THE ISSUANCE OF AN AMENDATORY SUPPLEMENTAL CHANGE ORDER NO. 6 TO CONTRACT NO. RES09-623, ISSUED TO ROLLS-ROYCE ENERGY SYSTEMS, INC., MOUNT VERNON, OH.

WHEREAS, the City Council of the City of Vineland, on November 24, 2009, adopted Resolution No. 2009-623, entitled "A RESOLUTION AWARDING A CONTRACT TO ROLLS-ROYCE ENERGY SYSTEMS INC., MOUNT VERNON, OH, FOR THE COMPLETION OF VMEU SIMPLE CYCLE TURBINE GENERATOR WITH SELECTIVE CATALYTIC REDUCTION"; and

WHEREAS, N.J.A.C. 5:30-11.1, et seq., sets forth the procedures for processing change orders which exceed the 20 percent limitation; and

WHEREAS, the Director of Municipal Utilities has requested a change order to contract awarded to Rolls-Royce Energy Systems, Inc., Mount Vernon, OH for the Completion of VMEU Simple Cycle Turbine Generator with Selective Catalytic Reduction as authorized by Resolution No. 2009-623; said change order is necessary to exercise the Contract Price Modification for supply of a second unit, for release greater than 12 and less than 24 months of contract award (copy of page 24 of Tab A Commercial-Section 3 attached) which was included in the Rolls-Royce proposal dated October 27, 2009; and

WHEREAS, the City of Vineland desires to comply with said requirements of N.J.A.C. 5:30-11.1, et seq., and to that end herewith files with the governing body a report stating the facts involved and indicating that the proposed change order may be allowed under these regulations; now, therefore,

WHEREAS, the City Comptroller has certified the availability of funds for the amendatory supplemental change order for which authorization is requested in the amount of \$28,978,952.00; now, therefore,

BE IT RESOLVED by the Council of the City of Vineland that said amendatory supplemental change order to Contract No. RES09-623, issued to Rolls-Royce Energy Systems, Inc., Mount Vernon, OH, in the amount by \$28,978,952.00, be and the same is hereby ratified and approved.

Adopted: November 7, 2011


President of Council pfc, III

ATTEST:


City Clerk kp

TRANSMITTAL SLIP
CITY OF VINELAND
PURCHASING DEPARTMENT
640 E. WOOD STREET
P.O. BOX 1508
VINELAND, NJ 08362-1508
856-794-4040 Ext. 4041

ROUTE TO Rolls Royce
ATT: _____
FROM: Yvonne Lewis
DATE: November 18, 2011
RE: Change Order No. 6

<input type="checkbox"/>	ACTION
<input type="checkbox"/>	YOUR INFORMATION
<input type="checkbox"/>	AS REQUESTED
<input checked="" type="checkbox"/>	SIGN & RETURN
<input type="checkbox"/>	YOUR COMMENTS

REMARKS:

Enclosed is Change Order No. 6 to **Contract #RES09-623** for the furnishing and delivery of VMEU Simple Cycle Turbine Generator with Selective Catalytic Reduction.

Please sign the copies stamped "Purchasing and City Clerk" where indicated and return to the Purchasing Department at the above address. The original copy and other documents attached are for you to keep for your records.

If you have any questions, please do not hesitate to contact me.

Thank You



CHANGE ORDER
 CITY OF VINELAND
 DEPARTMENT OF PURCHASING
 640 E. WOOD STREET
 P.O. BOX 1508
 VINELAND, NJ 08362-1508

Telephone (856) 794-4040

Fax (856) 794-4327

DATE 11/9/11	DEPT. Elect. Dist.	DATE WANTED Per Contract	ACCOUNT NUMBER 022-0000-751.16-00 E343Y \$17,387,372.00 022-0000-751.16-00 E344Y \$11,591,580.00
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TO:

Rolls-Royce Energy Systems, Inc.
 105 N. Sandusky St.
 Mount Vernon, OH 43050

CONTRACT NUMBER RES09-623
CHANGE ORDER NO. 6
PURCHASE ORDER NUMBER 188279

Unless otherwise specified, transportation charges FOB Destination & freight prepaid				
ITEM	QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
		<p>Amendatory Supplemental Change Order to RES09-623 for the furnishing and delivery of VMEU SIMPLE CYCLE TURBINE GENERATOR WITH SELECTIVE CATALYTIC REDUCTION, for the City of Vineland Municipal Electric Utility. Authorized by Resolution No. 2009-623.</p> <p>The following change as requested by Joseph Isabella, Director of Municipal Utilities:</p> <p>To exercise the Contract Price Modification for supply of a second unit, for release greater than 12 and less than 24 months of contract award (copy of page 24 Tab A Commercial-Section 3 attached), which was included in the Rolls-Royce proposal of October 27, 2009.</p> <p>TOTAL AMOUNT OF CHANGE ORDER NO. 6</p> <p>This change order is in accordance with attached Page 24 (Optional Items Quoted – Second Unit Pricing) Tab A – Section 3, dated October 27, 2009 and is authorized by Resolution No. 2011-452.</p>		+\$28,978,952.00
(Cont'd)				

FOR THE CITY OF VINELAND

 Purchasing Agent

 Comptroller

**CHANGE ORDER
CITY OF VINELAND
DEPARTMENT OF PURCHASING
640 E. WOOD STREET
P.O. BOX 1508
VINELAND, NJ 08362-1508**

Telephone (856) 794-4040

Fax (856) 794-4327

YL

DATE	DEPT.	DATE WANTED	ACCOUNT NUMBER
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TO:

Rolls-Royce Energy Systems, Inc.

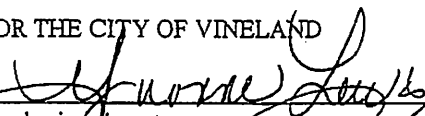
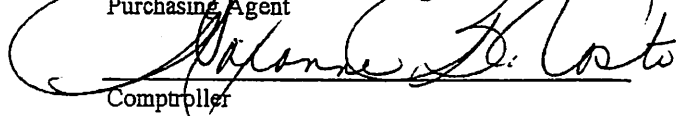
(Cont'd)

CONTRACT NUMBER RES09-623 (Page 2)
CHANGE ORDER NO. 6
PURCHASE ORDER NUMBER 188279

Unless otherwise specified, transportation charges FOB Destination & freight prepaid

ITEM	QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
		Funding has been certified for this change order.		
		This change order is submitted to you in triplicate. Please sign and return the two stamped copies to the Purchasing Department as they will be considered your acceptance.		
		Original Contract:	\$26,925,000.00	
		Change Order No. 1	- 500,000.00	
		Change Order No. 2	+19,868.00	
		Change Order No. 3	-0-	
		Change Order No. 4	+1,773,924.00	
		Change Order No. 5	-70,067.70	
		Change Order No. 6	+\$28,978,952.00	
		Total Revised Amount	\$57,127,676.30	
		Company <u>Rolls-Royce Energy Systems, Inc.</u>		
		Date <u>NOVEMBER 22, 2011</u>		
		Signature <u>Thomas N. Sacco</u> EXECUTIVE VICE PRESIDENT		

FOR THE CITY OF VINELAND


 Purchasing Agent

 Comptroller



Rolls-Royce

OPTIONAL ITEMS QUOTED - SECOND UNIT PRICING

Pricing detailed in this section is firm for the optional supply for the second unit is quoted for a period of release as stated below. At the time of release Rolls-Royce and VMU will mutually verify the price based on the Price Balance Methodology. This methodology is designed to protect both parties from unexpected economic events.

29.	Supply of a unit with a scope identical to the first unit, for release 12 months or less of contract award.	US \$ 28,864,410
30.	Supply of a unit with a scope identical to the first unit, for release greater than 12 and less than 24 months of contract award.	US \$ 28,978,952

Price Balance Methodology

An Adjusted Contract Price will be calculated using the following formula based on the original contract price.

If the Adjusted Contract Price is outside a +/- 4% band from the Optional Contract Price quoted above, then the Optional Contract Price calculated above will be adjusted by the delta outside the +/- 4% band as a increase or decrease in the Optional Contract Price quoted above, otherwise the Optional Contract Price shall remain unchanged.

$$P_n = 0.6 \times P_o \times \left(0.18 \frac{L_n}{L_o} + 0.32 \frac{M_n}{M_o} \right) + 0.25 \times P_o \times \left(\frac{GBP_n}{GBP_o} \right) \times \left(0.18 \frac{\lambda_n}{\lambda_o} + 0.32 \frac{\mu_n}{\mu_o} \right) + 0.15 \times P_o \times \left(\frac{euro_n}{euro_o} \right) \times \left(0.36 \frac{L_n}{L_o} + 0.64 \frac{M_n}{M_o} \right)$$

Where:

- P is the Contract Price
- L is the index number of "Average Earnings Index Manufacturing Industries", seasonally adjusted, table E.1, (published by the UK Office of National Statistics).
- M is the index number of Producer Prices – MM22, table "Price Indices of Material and Fuels Purchased", (published by the UK Office of National Statistics)
- μ is the value of Average Hourly Earnings – NAICS 336412
- λ is the value of Producer Price Index – WPU10
- Subscript o represents the value of each variable for the month of November 2009
- Subscript n represents the value of each variable for the month of Release
- Euro is the Euro : USD Exchange Rate
- GBP is the GBP : USD Exchange Rate

If the United States or United Kingdom Governments ceases to publish any of the statistics referred to above or modifies the basis of the calculation then RR shall have the right to substitute any officially recognized, proper and substantially equivalent statistic that is mutually agreeable to both Parties.

Note: Because of the time delay by the Bureau of Labor Statistics in publishing final monthly data of the relevant indices, the Contract Change Order issue to add the Option Units shall reflect the Contract Price, however, the Contract Change Order will be amended or reissued by the Customer to reflect the Adjusted Contract Price within 30 days of the date of publication of the relevant final indices.

REUB



Rolls-Royce

QUOTATION NUMBER: 30826338

CUSTOMER
 CITY OF VINELAND
 DEPARTMENT OF PURCHASING
 640 E. WOOD STREET
 VINELAND NJ 08362-1508

ROLLS-ROYCE CONTACT:
 Mr. S GREGORY
 (740) 393-8222
 Mr. STEVE GREGORY
 105 NORTH SANDUSKY STREET
 MOUNT VERNON OH 43050

ROLLS-ROYCE ENERGY SYSTEMS INC
 105 NORTH SANDUSKY STREET
 MOUNT VERNON OH 43050
 USA

Inco Terms: FCA Free carrier

THIS QUOTE IS VALID TO: 20 JUL 2014 Unless Previously Withdrawn

Payment Terms: Payment due in 30 days from invoice date

CUSTOMER REFERENCE NUMBER(S):

Dear Sirs,

Here is our quotation in response to your inquiry / order detailed below. Please use the quotation number shown at the top of this document in any future correspondence. This quotation is subject to our standard Terms and Conditions unless specified below. The price is subject to any value added tax, sales tax, use tax, service tax, & taxes on turnover or similar taxes where applicable.

→ RFQ Vineland JC 4-21-14

→ On May 2014 Rolls-Royce announced that it had agreed to sell its energy gas turbine and compressor business (Business) to Siemens, subject to certain conditions including certain regulatory approvals. It is expected that completion of the sale of the Business to Siemens will occur before the end of December 2014.

The sale of the Business will include the transfer of any contract entered into by reference to this proposal.

The Terms and Conditions which will apply to any contract entered into by reference to this proposal will therefore provide for a mechanism to implement the transfer of the contract to Siemens at the appropriate time.

Until the sale of the Business to Siemens is completed, all communications in relation to this proposal should be with Rolls-Royce.



QUOTATION NUMBER: 30826338

Cust Item No	RR Part Number Customer Part Number Customer Ref Number	Description	Qty	UoM	Unit Price USD	Total USD	Lead Time
1	RRE050362	REGULATOR	1	EA	418.00	418.00	2 Mths
4	RRE079239	MOTOR,ELECTRIC	1	EA	5,240.00	5,240.00	2 Mths
5	RRE026294	PUMP	1	EA	2,050.00	2,050.00	2 Mths
6	RRE026289	MOTOR	1	EA	1,664.00	1,664.00	2 Mths
7	RRE026295	PUMP	1	EA	3,480.00	3,480.00	4 Mths
8	RRE026358	VALVE	1	EA	2,480.00	2,480.00	2 Mths
9	RRE026360	VALVE	1	EA	250.00	250.00	2 Mths
						Carried fwd	15,582.00



QUOTATION NUMBER: 30826338

Cust Item No	RR Part Number Customer Part Number Customer Ref Number	Description	Qty	UoM	Unit Price USD	Total USD	Lead Time
						Brought fwd	15,582.00
13	RRE026382	DETECTOR,TEMPERATURE	1	EA	810.00	810.00	2 Mths
15	RRE028434	ELEMENT	6	EA	1,960.00	11,760.00	2 Mths
16	RRE080288 REPLACES RRE033966	KIT,FILTER	6	EA	1,480.00	8,880.00	3 Mths
17	RRE013805	PUMP	1	EA	3,789.00	3,789.00	4 Mths
18	RRE013806	DAMPER	1	EA	2,852.00	2,852.00	2 Mths
19	RRE027611	HOSE	1	ME	120.00	120.00	3 Mths
						Carried fwd	43,793.00



QUOTATION NUMBER: 30826338

Cust Item No	RR Part Number Customer Part Number Customer Ref Number	Description	Qty	UoM	Unit Price USD	Total USD	Lead Time
						Brought fwd	43,793.00
20	RRE045325	VALVE	1	EA	768.00	768.00	4 Mths
22	RRE043941	HOSE	1	EA	1,791.00	1,791.00	3 Mths
23	RRE043954	HOSE	1	EA	1,924.00	1,924.00	3 Mths
24	RRE041883	MOTOR	1	EA	2,660.00	2,660.00	2 Mths
25	RRE029282	COUPLING	1	EA	250.00	250.00	2 Mths
26	RRE029450	ADAPTOR	1	EA	531.00	531.00	3 Mths
						Carried fwd	51,717.00



QUOTATION NUMBER: 30826338

Cust Item No	RR Part Number Customer Part Number Customer Ref Number	Description	Qty	UoM	Unit Price USD	Total USD	Lead Time
						Brought fwd	51,717.00
27	RRE042210	MODULE	1	EA	37,313.00	37,313.00	4 Mths
28	RRE042211	MODULE	1	EA	39,530.00	39,530.00	4 Mths
29	RRE020220	TRANSMITTER	1	EA	2,018.00	2,018.00	2 Mths
30	RRE063642	TRANSMITTER	1	EA	1,094.00	1,094.00	3 Mths
31	RRE057361	REGULATOR	1	EA	18,650.00	18,650.00	2 Mths
32	RRE063651 RRE057518 REPLACED BY RRE063651	SWITCH	1	EA	345.00	345.00	2 Mths
						Carried fwd	150,667.00



QUOTATION NUMBER: 30826338

Cust Item No	RR Part Number Customer Part Number Customer Ref Number	Description	Qty	UoM	Unit Price USD	Total USD	Lead Time
						Brought fwd	150,667.00
33	RRE059080	UNIT	1	EA	13,500.00	13,500.00	2 Mths
34	RRE059523	UNIT	1	EA	14,620.00	14,620.00	2 Mths
35	RRE028014	REGULATOR	1	EA	1,248.00	1,248.00	4 Mths
36	RRE038830	VALVE	1	EA	11,355.00	11,355.00	3 Mths
37	RRE024181	HEATER	1	EA	7,993.00	7,993.00	2 Mths
38	RRE003796	SWITCH	1	EA	1,138.00	1,138.00	5 Mths
						Carried fwd	200,521.00



QUOTATION NUMBER: 30826338

Cust Item No	RR Part Number Customer Part Number Customer Ref Number	Description	Qty	UoM	Unit Price USD	Total USD	Lead Time
						Brought fwd	200,521.00
39	RRE003798	SENSOR	1	EA	439.00	439.00	4 Mths
40	RRE039103	SWITCH	1	EA	1,160.00	1,160.00	3 Mths
41	RRE041348	VALVE	1	EA	9,441.00	9,441.00	4 Mths
42	RRE042473	PUMP	1	EA	39,330.00	39,330.00	2 Mths
43	RRE042420	MOTOR	1	EA	12,340.00	12,340.00	3 Mths
44	RRE059347	MOTOR	1	EA	1,050.00	1,050.00	2 Mths
						Carried fwd	264,281.00



QUOTATION NUMBER: 30826338

Cust Item No	RR Part Number Customer Part Number Customer Ref Number	Description	Qty	UoM	Unit Price USD	Total USD	Lead Time
						Brought fwd	264,281.00
45	RRE042476	ADAPTOR	1	EA	4,460.00	4,460.00	3 Mths
46	RRE042475	COUPLING	1	EA	905.00	905.00	2 Mths
47	RRE066253	CONTROLLER	1	EA	12,439.00	12,439.00	4 Mths
48	RRE062747	ELEMENT	2	EA	1,697.00	3,394.00	3 Mths
49	RRE042149	MOTOR	1	EA	27,040.00	27,040.00	3 Mths
50	RRE042148	MOTOR	1	EA	3,050.00	3,050.00	2 Mths
						Carried fwd	315,569.00



QUOTATION NUMBER: 30826338

Cust Item No	RR Part Number Customer Part Number Customer Ref Number	Description	Qty	UoM	Unit Price USD	Total USD	Lead Time
						Brought fwd	315,569.00
51	RRE042266	ADAPTOR	1	EA	1,840.00	1,840.00	3 Mths
52	RRE042265	COUPLING	1	EA	195.00	195.00	2 Mths
53	RRE042168	ADAPTOR	1	EA	2,910.00	2,910.00	2 Mths
54	RRE042194	COUPLING	1	EA	7,724.00	7,724.00	4 Mths
55	RRE042298	TRANSMITTER	1	EA	3,900.00	3,900.00	2 Mths
56	RRE031211	JOINT	1	EA	9,530.00	9,530.00	3 Mths
						Carried fwd	341,688.00



QUOTATION NUMBER: 30826338

Cust Item No	RR Part Number Customer Part Number Customer Ref Number	Description	Qty	UoM	Unit Price USD	Total USD	Lead Time
						Brought fwd	341,668.00
57	RRE008150	CIRCUIT	1	EA	3,488.00	3,488.00	4 Mths
58	RRE018124	VALVE	1	EA	7,136.00	7,136.00	4 Mths
59	RRE014786	DISC	1	EA	396.00	396.00	4 Mths
60	RRE030988	VALVE	1	EA	3,515.00	3,515.00	4 Mths
61	RRE028338	HEATER	1	EA	4,960.00	4,960.00	3 Mths
62	RRE029860	DETECTOR	1	EA	6,364.00	6,364.00	5 Mths
						Carried fwd	367,527.00



QUOTATION NUMBER: 30826338

Cust Item No	RR Part Number Customer Part Number Customer Ref Number	Description	Qty	UoM	Unit Price USD	Total USD	Lead Time
						Brought fwd	367,527.00
63	RRE019816	DETECTOR	1	EA	1,821.00	1,821.00	5 Mths
64	RRE019585	STATOR	1	EA	1,463.00	1,463.00	3 Mths
65	RRE019821	BRUSH	1	EA	378.00	378.00	3 Mths
66	RRE019578	KIT	1	EA	12,534.00	12,534.00	6 Mths
67	RRE065150	MONITOR	1	EA	9,030.00	9,030.00	3 Mths
68	RRE065149	TRANSMITTER	1	EA	11,410.00	11,410.00	3 Mths
						Carried fwd	404,163.00



QUOTATION NUMBER: 30826338

Cust Item No	RR Part Number Customer Part Number Customer Ref Number	Description	Qty	UoM	Unit Price USD	Total USD	Lead Time
						Brought fwd	404,163.00
69	RRE019586	EXCITER	1	EA	2,944.00	2,944.00	4 Mths
70	RRE019824	DETECTOR	1	EA	1,745.00	1,745.00	4 Mths
71	RRE019823	DETECTOR	1	EA	1,904.00	1,904.00	4 Mths
72	RRE059840	TRANSDUCER	1	EA	21,840.00	21,840.00	5 Mths
73	RRE028783	SENSOR	1	EA	12,780.00	12,780.00	6 Mths
74	RRE059844	TRANSMITTER	1	EA	4,576.00	4,576.00	3 Mths
						Carried fwd	449,952.00



QUOTATION NUMBER: 30826338

Cust Item No	RR Part Number Customer Part Number Customer Ref Number	Description	Qty	UoM	Unit Price USD	Total USD	Lead Time
						Brought fwd	449,952.00
75	RRE059848	PAD	1	EA	3,557.00	3,557.00	3 Mths
76	RRE028774	VALVE	1	EA	467.00	467.00	4 Mths
77	RRE034607	HOSE	1	EA	1,873.00	1,873.00	2 Mths
78	RRE019849	HOSE	1	EA	895.00	895.00	2 Mths
79	RRE019819	KIT	1	EA	1,295.00	1,295.00	3 Mths
80	RRE019885	HEATER	1	EA	2,030.00	2,030.00	5 Mths
						Carried fwd	460,069.00



QUOTATION NUMBER: 30826338

Cust Item No	RR Part Number Customer Part Number Customer Ref Number	Description	Qty	UoM	Unit Price USD	Total USD	Lead Time
						Brought fwd	460,069.00
81	RRE059846	BREAKER	1	EA	1,165.00	1,165.00	3 Mths
82	RRE043538	BREAKER	1	EA	153.00	153.00	2 Mths
83	RRE059847	BREAKER	1	EA	250.00	250.00	3 Mths
84	RRE059851	TRANSFORMER	1	EA	4,460.00	4,460.00	3 Mths
85	RRE019855	ARRESTER	1	EA	3,590.00	3,590.00	4 Mths
86	RRE019826	RELAY	1	EA	328.00	328.00	3 Mths
						Carried fwd	470,015.00



QUOTATION NUMBER: 30826338

Cust Item No	RR Part Number Customer Part Number Customer Ref Number	Description	Qty	UoM	Unit Price USD	Total USD	Lead Time
						Brought fwd	470,015.00
87	RRE019827	RELAY	1	EA	282.00	282.00	3 Mths
88	RRE019828	RELAY	1	EA	1,386.00	1,386.00	4 Mths
89	RRE019835	INDICATOR	1	EA	925.00	925.00	3 Mths
90	RRE059829	RECTIFIER	1	EA	5,000.00	5,000.00	6 Mths
91	RRE059831	CONTACT	1	EA	2,490.00	2,490.00	3 Mths
92	RRE059833	MONITOR	1	EA	17,587.00	17,587.00	3 Mths
						Carried fwd	497,685.00



QUOTATION NUMBER: 30826338

Cust Item No	RR Part Number Customer Part Number Customer Ref Number	Description	Qty	UoM	Unit Price USD	Total USD	Lead Time
						Brought fwd	497,685.00
93	RRE059835	RELAY	1	EA	8,570.00	8,570.00	3 Mths
94	RRE019853	SYNCHRO	1	EA	7,393.00	7,393.00	3 Mths
95	RRE046531	MOTOR	1	EA	9,130.00	9,130.00	3 Mths
96	RRE046538	FAN	1	EA	6,680.00	6,680.00	2 Mths
97	RRE046532	MOTOR	1	EA	9,810.00	9,810.00	3 Mths
98	RRE046539	BELT	1	EA	170.00	170.00	2 Mths
						Carried fwd	539,438.00



QUOTATION NUMBER: 30826338

Cust Item No	RR Part Number Customer Part Number Customer Ref Number	Description	Qty	UoM	Unit Price USD	Total USD	Lead Time
						Brought fwd	539,438.00
99	RRE028859	SWITCH	1	EA	1,520.00	1,520.00	2 Mths
100	RRE063476	TRANSMITTER	1	EA	3,308.00	3,308.00	3 Mths
101	RRE046548	TRANSMITTER	1	EA	3,873.00	3,873.00	3 Mths
102	RRE046549	VALVE	1	EA	1,390.00	1,390.00	2 Mths
103	# RRE059331	VALVE	1	EA	2,257.00	2,257.00	2 Mths
104	RRE059337	INDICATOR	1	EA	7,896.00	7,896.00	3 Mths
						Carried fwd	559,682.00



QUOTATION NUMBER: 30826338

Cust Item No	RR Part Number Customer Part Number Customer Ref Number	Description	Qty	UoM	Unit Price USD	Total USD	Lead Time
						Brought fwd	559,682.00
105	RRE052654	VALVE	1	EA	17,680.00	17,680.00	3 Mths
106	RRE059340	SWITCH	1	EA	5,460.00	5,460.00	2 Mths
107	RRE059327	KIT	1	EA	21,331.00	21,331.00	2 Mths
108	RRE007087	RACK	1	EA	1,116.00	1,116.00	3 Mths
109	288E116004	RACK	1	EA	1,298.00	1,298.00	2 Mths
110	RRE039753	MODULE	1	EA	4,321.00	4,321.00	2 Mths
						Carried fwd	610,888.00



QUOTATION NUMBER: 30826338

Cust Item No	RR Part Number Customer Part Number Customer Ref Number	Description	Qty	UoM	Unit Price USD	Total USD	Lead Time
						Brought fwd	610,888.00
111	RRE007070	ADAPTOR	1	EA	1,928.00	1,928.00	2 Mths
112	RRE007065	MODULE	2	EA	572.00	1,144.00	3 Mths
113	RRE007067	MODULE	2	EA	645.00	1,290.00	2 Mths
114	RRE014495	MODULE	2	EA	2,487.00	4,974.00	2 Mths
115	RRE005911	MONITOR	1	EA	1,120.00	1,120.00	4 Mths
116	RRE079805 REPLACES RRE007007	METER,HOUR	1	EA	300.00	300.00	2 Mths
						Carried fwd	621,644.00



QUOTATION NUMBER: 30826338

Cust Item No	RR Part Number Customer Part Number Customer Ref Number	Description	Qty	UoM	Unit Price USD	Total USD	Lead Time
						Brought fwd	621,644.00
117	201E294801	CONVERTER	1	EA	1,883.00	1,883.00	2 Mths
118	RRE042238	CONTACT	1	EA	428.00	428.00	2 Mths
119	RRE003807	SWITCH	1	EA	66.50	66.50	3 Mths
120	RRE003808	SWITCH	1	EA	87.20	87.20	3 Mths
121	RRE003809	SWITCH	1	EA	99.60	99.60	3 Mths
122	E-04S-635-002	SWITCH	1	EA	500.00	500.00	3 Mths
						Carried fwd	624,708.30



QUOTATION NUMBER: 30826338

Cust Item No	RR Part Number Customer Part Number Customer Ref Number	Description	Qty	UoM	Unit Price USD	Total USD	Lead Time
						Brought fwd	624,708.30
123	G513-067C.B03	CARRIER	1	EA	388.00	388.00	3 Mths
124	RRE033860	MODULE	1	EA	160.00	160.00	2 Mths
125	TRN11969	ACCELEROMETER	1	EA	14,902.00	14,902.00	8 Mths
127	TRN14176	PROBE	1	EA	5,179.00	5,179.00	8 Mths
128	TRN15648	TRANSDUCER	1	EA	7,745.00	7,745.00	3 Mths
129	TRN15650	TRANSDUCER	1	EA	11,130.00	11,130.00	5 Mths
						Carried fwd	664,212.30



QUOTATION NUMBER: 30826338

Cust Item No	RR Part Number Customer Part Number Customer Ref Number	Description	Qty	UoM	Unit Price USD	Total USD	Lead Time
						Brought fwd	664,212.30
130	TRN16742	PROBE	1	EA	3,564.00	3,564.00	9 Mths
132	TRN17444	DETECTOR	1	EA	5,645.00	5,645.00	8 Mths
135	TRN100038	VALVE	1	EA	18,632.00	18,632.00	5 Mths
136	TRN100998	SENSOR	1	EA	7,125.00	7,125.00	7 Mths
137	TRN17305	THERMOCOUPLE	1	EA	3,075.00	3,075.00	8 Mths
139	RRE047655	REGULATOR	1	EA	290.00	290.00	2 Mths
						Carried fwd	702,543.30



QUOTATION NUMBER: 30826338

Cust Item No	RR Part Number Customer Part Number Customer Ref Number	Description	Qty	UoM	Unit Price USD	Total USD	Lead Time
						Brought fwd	702,543.30
140	RRE045534	TRANSMITTER	1	EA	4,443.00	4,443.00	2 Mths
141	RRE049362	HOSE	1	EA	3,100.00	3,100.00	2 Mths
142	RRE051345	VALVE	1	EA	1,113.00	1,113.00	3 Mths
143	RRE059189	MOTOR	1	EA	4,899.00	4,899.00	4 Mths
144	RRE072817	MOTOR	1	EA	1,650.00	1,650.00	2 Mths
145	RRE026402	COUPLING	1	EA	170.00	170.00	2 Mths
						Carried fwd	717,918.30



QUOTATION NUMBER: 30826338

Cust Item No	RR Part Number Customer Part Number Customer Ref Number	Description	Qty	UoM	Unit Price USD	Total USD	Lead Time
						Brought fwd	717,918.30
146	RRE059268	DRIVE	1	EA	146.00	146.00	2 Mths
147	RRE028225 REPLACES RRE057029	VALVE	1	EA	1,377.00	1,377.00	2 Mths
148	RRE057030	VALVE	1	EA	940.00	940.00	2 Mths
149	RRE059271	VALVE	1	EA	1,760.00	1,760.00	3 Mths
150	RRE059272	VALVE	1	EA	2,517.00	2,517.00	3 Mths
151	RRE067153	MOTOR	1	EA	2,250.00	2,250.00	4 Mths
						Carried fwd	726,908.30



QUOTATION NUMBER: 30826338

Cust Item No	RR Part Number Customer Part Number Customer Ref Number	Description	Qty	UoM	Unit Price USD	Total USD	Lead Time
						Brought fwd	726,908.30
152	RRE066994	COUPLING	1	EA	150.00	150.00	2 Mths
153	RRE059278	TRANSMITTER	1	EA	5,024.00	5,024.00	2 Mths
154	RRE057034	VALVE	1	EA	302.00	302.00	2 Mths
155	RRE045286	VALVE	1	EA	520.00	520.00	2 Mths
156	RRE056740	TRANSMITTER	1	EA	6,864.00	6,864.00	2 Mths
157	RRE057035	TRANSMITTER	1	EA	6,636.00	6,636.00	2 Mths
						Carried fwd	746,404.30



QUOTATION NUMBER: 30826338

Cust Item No	RR Part Number Customer Part Number Customer Ref Number	Description	Qty	UoM	Unit Price USD	Total USD	Lead Time
						Brought fwd	746,404.30
158	RRE057909	DETECTOR	1	EA	1,280.00	1,280.00	3 Mths
159	RRE059281	TRANSMITTER	1	EA	3,224.00	3,224.00	2 Mths
160	RRE045288	VALVE	1	EA	458.00	458.00	2 Mths
161	RRE027599	PUMP	1	EA	50,184.00	50,184.00	5 Mths
162	RRE027700	COUPLING	1	EA	33,115.00	33,115.00	6 Mths
163	RRE028804	TRANSFORMER	1	EA	29,570.00	29,570.00	4 Mths
						Carried fwd	864,235.30



QUOTATION NUMBER: 30826338

Cust Item No	RR Part Number Customer Part Number Customer Ref Number	Description	Qty	UoM	Unit Price USD	Total USD	Lead Time
						Brought fwd	864,235.30
164	RRE059853	CAPACITOR	1	EA	24,600.00	24,600.00	6 Mths
165	RRE059834	PROTECTOR	1	EA	136,640.00	136,640.00	4 Mths
166	RRE059836	CONTROLLER	1	EA	44,740.00	44,740.00	2 Mths
167	RRE046530	PUMP	1	EA	23,030.00	23,030.00	3 Mths
168	RRE047943	VALVE	1	EA	29,900.00	29,900.00	4 Mths
169	RRE047961	VALVE	1	EA	8,040.00	8,040.00	2 Mths
						Carried fwd	1,131,185.30



QUOTATION NUMBER: 30826338

Cust Item No	RR Part Number Customer Part Number Customer Ref Number	Description	Qty	UoM	Unit Price USD	Total USD	Lead Time
						Brought fwd	1,131,185.30
170	RRE047974	VALVE	1	EA	19,030.00	19,030.00	3 Mths
171	RRE048086	FAN	1	EA	16,980.00	16,980.00	2 Mths
172	RRE048091	VALVE	1	EA	18,320.00	18,320.00	4 Mths
173	TRN12204	ACCELEROMETER	1	EA	16,780.00	16,780.00	6 Mths
						Total	1,202,295.30

Signed on behalf of Rolls-Royce Energy Systems Inc

Jane Kennard