



CHANGE ORDER(s)

AND /OR

LETTER(s) OF EXTENSION

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**CONTRACT CHANGE ORDER NO. 033
DATED NOVEMBER 20, 2018**

FILED WITH CONTRACT #23336

(COVANTA ENERGY LLC)

**OFFICE OF THE CITY MANAGER
CITY OF LONG BEACH
LONG BEACH, CA 90802**

Change Order No. 33
Contract No. 23336
Project: SERRF

Date: November 20th, 2018
Contractor: Covanta Energy, LLC

This Change Order:
\$ 449,220

Program No.: GOELAD
Prior Change Orders: See Attachment 1.

**SCHEDULING COORDINATOR ID CODE (SCID)
SCHEDULING SERVICES**

BACKGROUND

This Contract Change Order is issued in accordance with provisions set forth in the subject Contract with reference to the following facts:

1. Section 4.3 of the Contract to operate provides for reimbursement for all costs approved by change order.
2. The Power Purchase Agreement between SERRF and SCE with a Firm operation date of December 8th, 1988 will expire on December 8th 2018.
3. The Operator Covanta will enter an agreement with a 3rd party (proposed: APX,Inc.) to provide SCID Scheduling Services for Covanta and the City of Long Beach.
4. Covanta will prepare and coordinate all necessary service orders with the scheduling coordinator and submit appropriate paperwork associated with all scheduling coordinator services.

SCOPE OF THE CHANGE ORDER

The change order is intended to cover all the costs related to scheduling coordinator requirements and associated service orders. The work will include daily marketing of power produced by SERRF as well as bidding on the day ahead CALISO market.

SCHEDULE

It is estimated that the above-mentioned work will be in place for a one year term, with mutual options to extend beyond 12 months.

COST OF CHANGE ORDER

The cost for the above-mentioned scope has been estimated as follows:

- Scheduling Coordinator set-up, system configuration, registration and training.
\$1,500
- Initial Client Collateral Requirement – (to be refunded once obligations are met, as required by the scheduling agreement).
\$180,000
- Set-up charges for development of Operational Procedures and other tasks required in order to provide Market Operations Support Services.
\$200/hour, plus cost of materials
- Legal review of APX agreement \$12,850 Professional Services Rendered.

Monthly Service Fees – 1 SCID

- SCID Scheduling, Settlement, and 24/7 Operations Support Base Fee
\$5,000/month (estimated maximum 36 months)
- Recorded Message Retrieval or other Services
\$200/hour, plus cost of materials

	Subtotal:	\$374,350
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|---|----------|
| • Contingency (10.0% of Subtotal) | \$37,435 |
| • Covanta Project support (10.0% of subtotal) | \$37,435 |

	Total:	<u>\$ 449,220</u>
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NO OTHER CHANGES

1. Except as specifically enumerated above, all other terms and provisions of the subject contract shall remain unchanged. The execution and delivery of this Change Order by the Contractor and the City shall not in any manner prejudice the rights which the Owner, the City or the Contractor may have to pursue any other claims which such party may have against the other, other than those claims which are the subject of the Change Order

Charles R Tripp 1/2/19
 Charles R. Tripp Date
 Electric Generation Bureau
 Manager

Derek Veenhof Dec 7/18
 Derek Veenhof Date
 Executive Vice President

Robert Dowell 1/3/19
 Robert Dowell Date
 Director Long Beach
 Gas & Oil Department

Patrick West 1/8/19
 Patrick West Date
 City Manager

Tom Modica
Assistant City Manager

**EXECUTED PURSUANT
 TO SECTION 301 OF
 THE CITY CHARTER**

Approved as to form this 31st day of December, 2018

[Signature]
 City Attorney

By [Signature]
 Deputy

- Distribution:
 Original - City Clerk
 City Auditor
 City Attorney
 Manager, Electric Generation Bureau
 Financial Management, Accounting
 Financial Management, Payments
 General Manager, SERRF Authority
 Plant Manager, Covanta Long Beach
 Business manager Covanta Long Beach

ATTACHMENT 1

Prior Change Orders:

1) Capital Improvement & Cement Transfer Screw Conveyor	\$500,000	Flyash Treatment Transfer Conveyor Installation.
2) Capital Improvement	\$ 86,000	Landscaping-Various Areas Dust control
3) Capital Improvement	\$ 29,000	Landscaping-Cooling Tower Area Dust control
4) Capital Improvement	\$409,399	3 rd Pass Boiler Flyash Removal System
5) Pass-thru (spare parts)	\$108,816	Inventory Increase-Spare Motors
6) (a) Capital Improvement Construction	\$179,375	Refuse Driver's Restroom
(b) Base Operating Fee Maintenance of Refuse driver's	\$ 43,305	Annual Costs in June 1993 Dollars Restroom
7) (a) Capital Improvement	\$120,779	MACT Compliance
(b) Operations & Maint. Risk Assessment.	\$ 35,650	One time costs-Title V & Health
(c) Base Operating Fee	\$ 97,548	Additional Operations Costs (in 1993 dollars) Per Year
8) Capital Improvement	\$ 63,200	Underground Diesel Storage Tank Modification
9) Capital Improvement	\$264,833	MSW Drying Gas Burner Installation
10) Capital Improvement	\$261,708	Steam Blowing System and Service Platform Installation
11) (a) Capital Improvement	\$442,747	MSW Drying Gas Burners Installation
(b) Spare Parts	\$ 22,458	MSW Spare Parts for Gas Burners
12) Capital Improvement	\$303,480	Installation of NOx Reduction System with Minimal Ammonia Slip
13) Capital Improvement	\$104,500	Build and Maintain a Training Room

CHANGE ORDER #33		
14) Capital Improvement	\$425,150	Install Photovoltaic System
15) Capital Improvement	\$ 28,875	Install Crane Deck Restroom
16) Capital Improvement	\$108,649	Upgrade COMS
17) Capital Improvement	\$190,596	Security Cameras
18) Capital Improvement	\$281,630	PV Demo Project Modification
19) Capital Improvement	\$255,596	Performance Improvement Work – Group 1 Design
20) Capital Improvement	\$153,891	Performance Improvement Work – Group 1 Implementation
21) Capital Improvement	\$556,292	Fueltech Demonstration Test – Urea System
22) Change of Law	\$ 47,225	AB 32 Implementation & Climate Exchange Registry
23) Change of Law	\$ 41,344	New SCAQMD CEMS for SERRF (NO2 Channel and NO2 Calibration)
24) Capital Improvement	\$190,250	Training Building Upgrade
25) Capital Improvement Change of Law	\$991,507	Reduction of Mercury Emission in Refuse-Burning Power Plant – (Carbon Injection System)
26) Capital Improvement	\$ 15,000	Engineering for a potential Ferrous and Non Ferrous Metal recovery System
27) Capital Improvement		\$ 58,436 Fire Protection Upgrades Required Due to New Fire Protection Codes on Elevator Refurbishing
28) Insurance by Contractor	\$1,372,525	Purchase of property insurance provided
29) Capital Improvement		\$ 550,000 Covers actual costs for the purchase of powder activated carbon, parts, and outside labor related expenses
30) Insurance by Contractor	\$1,296,900	Purchase of property insurance provided

CHANGE ORDER #33

31) CAISO (QF) Conversion

\$140,070

Page 6
Install and prep for CAISO / QF

32) Bottom Ash

(Terminated)