

**CHANGE ORDER(s)**

**AND /OR**

**LETTER(s) OF EXTENSION**

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**CONTRACT CHANGE ORDER NO. 037  
DATED MARCH 16, 2020**

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**FILED WITH CONTRACT #23336**

**(COVANTA ENERGY LLC)**

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

Change Order No. 37  
Contract No. 23336  
Project: SERRF

Date: February 2020  
Contractor: Covanta Long Beach Renewable Energy Corp.

This Change Order:  
\$90,000

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

## **SERRF AB2588 SUPPORT**

### **BACKGROUND**

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

1. California passed AB2588, the Air Toxics "Hot Spots" Information and Assessment Act, and South Coast AQMD enacted Rule 1402 in accordance.
2. On February 5, 2020, the South Coast AQMD sent the City a letter requiring the SERRF facility to prepare either an Air Toxics Inventory Report (ATIR) or a Voluntary Risk Reduction Plan (VRRP).
3. The City would like Covanta to assist in the preparation of the required reports and submissions to AQMD in accordance with the February 5<sup>th</sup> request.

### **SCOPE OF THE CHANGE ORDER**

The change order is intended to cover all the costs related to compliance with AB2588, and efforts related to SERRF's response to the South Coast AQMD's February 5, 2020 letter. The complete scope of this work is currently unknown but may include air and stack modeling, a Health Risk Assessment (HRA), work by environmental specialist, notifications to affected parties, as well as outside contractor support.

3/23/2020 5:10:22

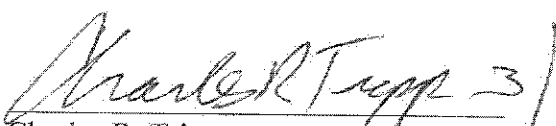
**COST OF CHANGE ORDER**

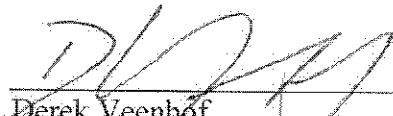
The Cost of the Change Order has been estimated based on prior experience at \$75,000 for outside services.


Subtotal:	\$75,000
• Contingency – 10% of Subtotal:	\$7,500
• Covanta Project Support – 10% of Subtotal:	\$7,500
<b>Total Estimated Cost:</b>	<b><u>\$90,000</u></b>


**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

 3/11/20  
 Charles R. Tripp Date  
 Electric Generation Bureau  
 Manager

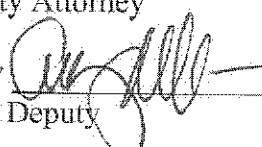
 3/5/20  
 Derek Veenhof Date  
 Executive Vice President

 3/12/20  
 Robert Dowell Date  
 Director Long Beach  
 Gas & Oil Department

 3/16/2020  
 Tom Modica Date  
 Acting City Manager

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

Approved as to form this 9<sup>th</sup> day of March, 2020

\_\_\_\_\_  
 City Attorney  
 By  \_\_\_\_\_  
 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-Variou Areas Dust control
3) Capital Improvement	\$ 29,000	Landscaping-Cooling Tower Area Dust control
4) Capital Improvement	\$409,399	3 <sup>rd</sup> 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

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

31) CAISO (QF) Conversion	\$140,070	Install and prep for CAISO / QF
32) Bottom Ash		(Terminated)
33) Scheduling Coordinator	\$449,220	Covers Costs related to the scheduling coordinators requirements and associated service orders.
34) RA Capacity	\$1,000,000 – \$1,500,000	Estimated Revenue per year, 75% to the City and 25% to Covanta
35) RA Capacity Extension	\$0	Extension of authority to contract SERRF RA
36) Cap and Trade Allowances	\$2,250,071	Purchase of Allowances for SERRF