



CHANGE ORDER(s)

CONTRACT CHANGE ORDER AUTHORIZATION NO. 29

DATED 3/20/2015

FILED WITH CONTRACT # 23336

(COVANTA ENERGY LLC)

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

Change Order No. 29
Contract No. 23336
Project: SERRF

Date: March 20, 2015
Contractor: Covanta Energy, LLC

This Change Order: \$ 550,000

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

**Reduction of Mercury Emissions in Refuse-Burning Plants
(Carbon injection) ongoing powder activated Carbon costs**

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 in the event of an uncontrollable circumstance, such as change in law, which impacts the facility.
2. This is an updated change order to Change Order #25, which was for project costs on the carbon injection system. This change order will require the City to pay for costs related to the carbon injection system and cost of carbon at the facility.
3. The Contractor estimate of the cost of parts, outside labor, and carbon until the end of the contract to be approximately \$550,000.

SCOPE OF THE CHANGE ORDER

The change order covers actual costs for the purchase of powder activated carbon, parts, and outside labor related expenses incurred by the Contractor specific to the carbon injection system.

SCHEDULE

It is estimated that the above-mentioned work will start March 1, 2015 and continue through the expiration of the Operation Contract.

COST OF CHANGE ORDER

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

• Cost of carbon and related expenses		\$ 500,000
	Subtotal:	\$ 500,000
• Contingency (10.0% of Subtotal)		\$ 50,000
	Total:	<u>\$ 550,000</u>

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 5/18/15 Paul Stauder PH
 Electric Generation Date Vice President Business
 Manager


Christopher J. Garner 5/27/15 R. Bell 6/12/15 EXECUTED PURSUANT
 Director Long Beach Date City Manager Assistant City Manager TO SECTION 301 OF
 Gas & Oil Department THE CITY CHARTER.

Approved as to form this 20th day of May, 2015

Charles Parkin
 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	\$500,000	Flyash Treatment Transfer Conveyor & Cement Transfer Screw 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 rd Pass Boiler Flyash Removal System
5) Pass-thru (spare parts)	\$108,816	Inventory Increase-Spare Motors
6) (a) Capital Improvement	\$179,375	Refuse Driver's Restroom Construction
(b) Base Operating Fee	\$ 43,305	Annual Costs in June 1993 Dollars Maintenance of Refuse driver's Restroom
7) (a) Capital Improvement	\$120,779	MACT Compliance
(b) Operations & Maint.	\$ 35,650	One time costs-Title V & Health Risk Assessment.
(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) Property Insurance	\$1,372,525	Contractor supplied property Insurance