

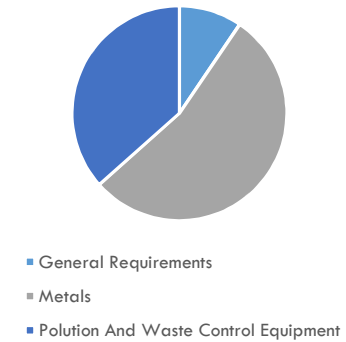
## GENERAL SUMMARY

**Prepared for:** Covanta Pasco CDS J223048, Covanta Pasco, FL  
**Project ID:**  
**Scope:** Air Pollution Control Equipment Erection  
**Date:** 14-May-25



| BUILDING GSF               |                                      | 2000                |                           |
|----------------------------|--------------------------------------|---------------------|---------------------------|
| DIVISION NO                | DESCRIPTION                          | TOTAL DIV. COST     | TOTAL DIV. COST (PER GSF) |
| 1000                       | General Requirements                 | \$ 147,000          | \$ 74                     |
| 5000                       | Metals                               | \$ 836,605          | \$ 418                    |
| 44000                      | Polution And Waste Control Equipment | \$ 567,293          | \$ 284                    |
| <b>TOTAL TRADE COST</b>    |                                      | <b>\$ 1,550,898</b> | <b>\$ 775.45</b>          |
| <b>OVERHEAD AND PROFIT</b> |                                      | <b>\$ 232,635</b>   | <b>\$ 116.32</b>          |
| INSURANCE                  | 15%                                  | \$ 46,527           | \$ 23.26                  |
| CONTINGENCY                | 3%                                   | \$ 77,545           | \$ 38.77                  |
| TAX                        | 5%                                   | \$ 65,103           | \$ 54.28                  |
| <b>SUGGESTED BID</b>       |                                      | <b>\$ 1,972,708</b> | <b>\$ 1,008.08</b>        |

DIVISION COST COMPARISON



**DETAILED BREAKDOWN OF ITEMS**

Prepared for: Covanta Pasco CDS J223048, Covanta Pasco, FL  
 Project ID:  
 Scope: Air Pollution Control Equipment Erection



Date: 14-May-25

| SR #                        | Drawing # | Detail # | DESCRIPTION                                                                       | UNIT | QUANTITY | WASTAGE | QUANTITY W/<br>WASTAGE | UNIT<br>MANHOUR | HOURLY<br>WAGE | LABOR COST | MAT. COST   | UNIT COST       | SUB COST          |
|-----------------------------|-----------|----------|-----------------------------------------------------------------------------------|------|----------|---------|------------------------|-----------------|----------------|------------|-------------|-----------------|-------------------|
| <b>GENERAL REQUIREMENTS</b> |           |          |                                                                                   |      |          |         |                        |                 |                |            |             |                 |                   |
| 1                           |           |          | Permits                                                                           | LS   | 1        | 0%      | 1                      | 0.000           | \$ -           | \$ -       | \$ -        | \$ -            | \$ -              |
| 2                           |           |          | Supervision and Coordination                                                      | LS   | 1        | 0%      | 1                      | 0.000           | \$ -           | \$ -       | \$ -        | \$ 50,000.00    | \$ 50,000.00      |
| 3                           |           |          | Submittals and Shop drawings                                                      | LS   | 1        | 0%      | 1                      | 0.000           | \$ -           | \$ -       | \$ -        | \$ -            | \$ -              |
| 4                           |           |          | Final Cleaning                                                                    | LS   | 1        | 0%      | 1                      | 0.000           | \$ -           | \$ -       | \$ -        | \$ 10,000.00    | \$ 10,000.00      |
| 5                           |           |          | Mobilization Costs                                                                | LS   | 1        | 0%      | 1                      | 0.000           | \$ -           | \$ -       | \$ -        | \$ 65,000.00    | \$ 65,000.00      |
| 6                           |           |          | Temporary Control & Facilities                                                    | LS   | 1        | 0%      | 1                      | 0.000           | \$ -           | \$ -       | \$ -        | \$ 22,000.00    | \$ 22,000.00      |
| 7                           |           |          | Scaffolding                                                                       | LS   | 1        | 0%      | 1                      | 0.000           | \$ -           | \$ -       | \$ -        | \$ -            | \$ -              |
|                             |           |          |                                                                                   |      |          |         |                        |                 |                |            |             | <b>SUBTOTAL</b> | <b>\$ 147,000</b> |
| <b>METALS</b>               |           |          |                                                                                   |      |          |         |                        |                 |                |            |             |                 |                   |
| <b>STRUCTURAL STEEL</b>     |           |          |                                                                                   |      |          |         |                        |                 |                |            |             |                 |                   |
| <b>COLUMNS</b>              |           |          |                                                                                   |      |          |         |                        |                 |                |            |             |                 |                   |
| 8                           |           |          | W10x49 Column @ 47'-10"L                                                          | LBS  | 37501    | 10%     | 41251                  | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 99,106         |
| 9                           |           |          | W10x49 Column @ 33'-6"L                                                           | LBS  | 6566     | 10%     | 7223                   | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 17,352         |
| 10                          |           |          | W8x31 Column @ 16'-0"L                                                            | LBS  | 1984     | 10%     | 2182                   | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 5,243          |
| 11                          |           |          | W8x31 Column @ 77'-6"L                                                            | LBS  | 9610     | 10%     | 10571                  | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 25,397         |
| 12                          |           |          | W10x49 Column @ 35'-9"L                                                           | LBS  | 3504     | 10%     | 3854                   | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 9,259          |
| 13                          |           |          | W8x10 Column @ 12'-9"L                                                            | LBS  | 1020     | 10%     | 1122                   | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 2,696          |
| 14                          |           |          | W8x10 Column @ 5'-0"L                                                             | LBS  | 200      | 10%     | 220                    | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 529            |
| <b>BASEPLATES</b>           |           |          |                                                                                   |      |          |         |                        |                 |                |            |             |                 |                   |
| 15                          |           |          | 10"x18"x3/4" Baseplate                                                            | LBS  | 765      | 10%     | 842                    | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 2,023          |
| 16                          |           |          | 12"x12"x3/4" Base Plate                                                           | LBS  | 674      | 10%     | 741                    | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 1,781          |
| <b>ANCHOR BOLTS</b>         |           |          |                                                                                   |      |          |         |                        |                 |                |            |             |                 |                   |
| 17                          |           |          | 3/4" Dia. Anchor Bolts                                                            | EA   | 168      | 0%      | 168                    | 0.200           | \$ 42.50       | \$ 8.50    | \$ 23.37    | \$ 31.87        | \$ 5,354          |
| <b>LADDERS</b>              |           |          |                                                                                   |      |          |         |                        |                 |                |            |             |                 |                   |
| 18                          |           |          | 2'-0" Wide x 14'-8" High Metal Platform Access Ladder W/ 6' High Safe Guard @ Top | EA   | 1        | 0%      | 1                      | 8.000           | \$ 42.50       | \$ 340.00  | \$ 2,454.94 | \$ 2,794.94     | \$ 2,795          |
| 19                          |           |          | 2'-0" Wide x 14'-0" High Metal Platform Access Ladder W/ 6' High Safe Guard @ Top | EA   | 1        | 0%      | 1                      | 8.000           | \$ 42.50       | \$ 340.00  | \$ 2,411.46 | \$ 2,751.46     | \$ 2,751          |
| 20                          |           |          | 2'-0" Wide x 19'-6" High Metal Platform Access Ladder W/ 6' High Safe Guard @ Top | EA   | 2        | 0%      | 2                      | 15.000          | \$ 42.50       | \$ 637.50  | \$ 2,768.36 | \$ 3,405.86     | \$ 6,812          |
| 21                          |           |          | 2'-0" Wide x 18'-0" High Metal Platform Access Ladder W/ 6' High Safe Guard @ Top | EA   | 1        | 0%      | 1                      | 12.000          | \$ 42.50       | \$ 510.00  | \$ 2,671.02 | \$ 3,181.02     | \$ 3,181          |
| <b>GRATING</b>              |           |          |                                                                                   |      |          |         |                        |                 |                |            |             |                 |                   |
| 22                          |           |          | Metal Grating @ Walking Platform                                                  | SF   | 3049     | 10%     | 3354                   | 0.040           | \$ 42.50       | \$ 1.70    | \$ 32.00    | \$ 33.70        | \$ 113,015        |
| <b>RAILING</b>              |           |          |                                                                                   |      |          |         |                        |                 |                |            |             |                 |                   |
| 23                          |           |          | 48" High Metal Guardrail                                                          | LF   | 858      | 10%     | 944                    | 0.200           | \$ 42.50       | \$ 8.50    | \$ 62.00    | \$ 70.50        | \$ 66,541         |
| <b>BEAMS</b>                |           |          |                                                                                   |      |          |         |                        |                 |                |            |             |                 |                   |
| 24                          |           |          | W10x31 Beam @ 4 LF                                                                | LBS  | 1116     | 10%     | 1228                   | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 2,949          |
| 25                          |           |          | W10x31 Beam @ 6 LF                                                                | LBS  | 1860     | 10%     | 2046                   | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 4,916          |
| 26                          |           |          | W10x31 Beam @ 8 LF                                                                | LBS  | 992      | 10%     | 1091                   | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 2,622          |
| 27                          |           |          | W10x31 Beam @ 10 LF                                                               | LBS  | 10230    | 10%     | 11253                  | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 27,035         |
| 28                          |           |          | W10x31 Beam @ 12 LF                                                               | LBS  | 19344    | 10%     | 21278                  | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 51,121         |
| 29                          |           |          | W10x31 Beam @ 14 LF                                                               | LBS  | 6944     | 10%     | 7638                   | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 18,351         |
| 30                          |           |          | W10x31 Beam @ 16 LF                                                               | LBS  | 992      | 10%     | 1091                   | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 2,622          |
| 31                          |           |          | W10x31 Beam @ 18 LF                                                               | LBS  | 6696     | 10%     | 7366                   | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 17,696         |
| 32                          |           |          | W10x31 Beam @ 22 LF                                                               | LBS  | 682      | 10%     | 750                    | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 1,802          |
| 33                          |           |          | W10x31 Beam @ 24 LF                                                               | LBS  | 744      | 10%     | 818                    | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 1,966          |
| 34                          |           |          | W10x31 Beam @ 26 LF                                                               | LBS  | 3224     | 10%     | 3546                   | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 8,520          |
| 35                          |           |          | W10x31 Beam @ 30 LF                                                               | LBS  | 3720     | 10%     | 4092                   | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 9,831          |
| 36                          |           |          | C10x15 Beam @ 4 LF                                                                | LBS  | 960      | 10%     | 1056                   | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 2,537          |
| 37                          |           |          | C10x15 Beam @ 6 LF                                                                | LBS  | 1260     | 10%     | 1386                   | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 3,330          |
| 38                          |           |          | C10x15 Beam @ 8 LF                                                                | LBS  | 120      | 10%     | 132                    | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 317            |
| 39                          |           |          | C10x15 Beam @ 10 LF                                                               | LBS  | 450      | 10%     | 495                    | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 1,189          |
| 40                          |           |          | C10x15 Beam @ 12 LF                                                               | LBS  | 1080     | 10%     | 1188                   | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 2,854          |
| 41                          |           |          | C10x15 Beam @ 22 LF                                                               | LBS  | 660      | 10%     | 726                    | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 1,744          |
| 42                          |           |          | W24x176 Beam @ 8 LF                                                               | LBS  | 2816     | 10%     | 3098                   | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 7,442          |
| 43                          |           |          | W24x176 Beam @ 12 LF                                                              | LBS  | 6336     | 10%     | 6970                   | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 16,744         |
| 44                          |           |          | W10x21 Beam @ 4 LF                                                                | LBS  | 1176     | 10%     | 1294                   | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 3,108          |
| 45                          |           |          | W10x21 Beam @ 10 LF                                                               | LBS  | 2940     | 10%     | 3234                   | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 7,770          |
| 46                          |           |          | W10x21 Beam @ 12 LF                                                               | LBS  | 1764     | 10%     | 1940                   | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 4,662          |
| 47                          |           |          | W10x21 Beam @ 18 LF                                                               | LBS  | 2646     | 10%     | 2911                   | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 6,993          |
| <b>BRACES</b>               |           |          |                                                                                   |      |          |         |                        |                 |                |            |             |                 |                   |
| 48                          |           |          | W8x21 Brace @ 4 LF                                                                | LBS  | 252      | 10%     | 277                    | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 666            |
| 49                          |           |          | W8x21 Brace @ 6 LF                                                                | LBS  | 756      | 10%     | 832                    | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 1,998          |
| 50                          |           |          | W8x21 Brace @ 8 LF                                                                | LBS  | 5712     | 10%     | 6283                   | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 15,095         |
| 51                          |           |          | W8x21 Brace @ 10 LF                                                               | LBS  | 2520     | 10%     | 2772                   | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 6,660          |
| 52                          |           |          | W8x21 Brace @ 12 LF                                                               | LBS  | 504      | 10%     | 554                    | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 1,332          |
| 53                          |           |          | W8x21 Brace @ 14 LF                                                               | LBS  | 588      | 10%     | 647                    | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 1,554          |
| 54                          |           |          | W8x21 Brace @ 16 LF                                                               | LBS  | 19488    | 10%     | 21437                  | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 51,502         |
| 55                          |           |          | L4x4x1/2 Brace @ 6 LF                                                             | LBS  | 154      | 10%     | 169                    | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 406            |
| 56                          |           |          | L4x4x1/2 Brace @ 10 LF                                                            | LBS  | 256      | 10%     | 282                    | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 677            |
| 57                          |           |          | L4x4x1/2 Brace @ 32 LF                                                            | LBS  | 819      | 10%     | 901                    | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 2,165          |
| <b>STAIRS</b>               |           |          |                                                                                   |      |          |         |                        |                 |                |            |             |                 |                   |
| 58                          |           |          | L4x4x1/2 Brace @ 4 LF                                                             | LBS  | 614      | 10%     | 676                    | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 1,624          |
| 59                          |           |          | L4x4x1/2 Brace @ 6 LF                                                             | LBS  | 845      | 10%     | 929                    | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 2,233          |
| 60                          |           |          | L4x4x1/2 Brace @ 12 LF                                                            | LBS  | 154      | 10%     | 169                    | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 406            |
| 61                          |           |          | L4x4x1/2 Brace @ 14 LF                                                            | LBS  | 538      | 10%     | 591                    | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 1,421          |
| 62                          |           |          | L4x4x1/2 Brace @ 16 LF                                                            | LBS  | 410      | 10%     | 451                    | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 1,082          |
| 63                          |           |          | L4x4x1/2 Brace @ 18 LF                                                            | LBS  | 1382     | 10%     | 1521                   | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 3,653          |
| 64                          |           |          | L4x4x1/2 Brace @ 22 LF                                                            | LBS  | 563      | 10%     | 620                    | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 1,488          |
| 65                          |           |          | L4x4x1/2 Brace @ 24 LF                                                            | LBS  | 614      | 10%     | 676                    | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 1,624          |
| 66                          |           |          | C10x15 Stringer @ 4 LF                                                            | LBS  | 2280     | 10%     | 2508                   | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 6,025          |
| 67                          |           |          | C10x15 Stringer @ 6 LF                                                            | LBS  | 1080     | 10%     | 1188                   | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 2,854          |
| 68                          |           |          | C10x15 Stringer @ 8 LF                                                            | LBS  | 720      | 10%     | 792                    | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 1,903          |
| 69                          |           |          | C10x15 Stringer @ 10 LF                                                           | LBS  | 3900     | 10%     | 4290                   | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 10,307         |
| 70                          |           |          | C10x15 Stringer @ 12 LF                                                           | LBS  | 1800     | 10%     | 1980                   | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 4,757          |
| 71                          |           |          | C10x15 Stringer @ 14 LF                                                           | LBS  | 2940     | 10%     | 3234                   | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 7,770          |
| 72                          |           |          | C10x15 Stringer @ 16 LF                                                           | LBS  | 480      | 10%     | 528                    | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 1,269          |
| 73                          |           |          | C10x15 Stringer @ 22 LF                                                           | LBS  | 660      | 10%     | 726                    | 0.013           | \$ 42.50       | \$ 0.55    | \$ 1.85     | \$ 2.40         | \$ 1,744          |

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| SR #                                  | Drawing # | Detail #                                                | DESCRIPTION                                                               | UNIT | QUANTITY | WASTAGE | QUANTITY W/<br>WASTAGE | UNIT<br>MAN/ HOUR | HOURLY<br>WAGE | LABOR COST | MAT. COST | UNIT COST | SUB COST            |
|---------------------------------------|-----------|---------------------------------------------------------|---------------------------------------------------------------------------|------|----------|---------|------------------------|-------------------|----------------|------------|-----------|-----------|---------------------|
| 74                                    |           |                                                         | 10" Riser x 12" Tread x 36" Wide Metal Stair Step                         | EA   | 586      | 0%      | 586                    | 1.200             | \$ 42.50       | \$ 51.00   | \$ 175.00 | \$ 226.00 | \$ 132,436          |
|                                       |           |                                                         |                                                                           |      |          |         |                        |                   |                |            |           |           | SUBTOTAL \$ 836,605 |
| POLLUTION AND WASTE CONTROL EQUIPMENT |           |                                                         |                                                                           |      |          |         |                        |                   |                |            |           |           |                     |
|                                       |           |                                                         | COLD WATER PIPE                                                           |      |          |         |                        |                   |                |            |           |           |                     |
|                                       |           |                                                         | Schedule 80 Black Steel Pipe, ASTM A53                                    |      |          |         |                        |                   |                |            |           |           |                     |
| 75                                    |           | As Per Client's<br>Instructions<br>Provided By<br>Owner | 1" Dia Cold Water Pipe                                                    | LF   | 170      | 10%     | 187                    | 0.528             | \$ 42.50       | \$ 22.44   | \$ -      | \$ 22.44  | \$ 4,196.28         |
| 76                                    |           |                                                         | 1-1/2" Dia Cold Water Pipe                                                | LF   | 10       | 10%     | 11                     | 0.660             | \$ 42.50       | \$ 28.05   | \$ -      | \$ 28.05  | \$ 308.55           |
|                                       |           |                                                         | COLD WATER PIPE FITTINGS                                                  |      |          |         |                        |                   |                |            |           |           |                     |
|                                       |           |                                                         | ELBOW                                                                     |      |          |         |                        |                   |                |            |           |           |                     |
| 77                                    |           |                                                         | 1" Dia Cold Water Pipe 90 Deg Elbow                                       | EA   | 4        | 0%      | 4                      | 0.625             | \$ 42.50       | \$ 26.56   | \$ 5.90   | \$ 32.46  | \$ 129.85           |
| 78                                    |           |                                                         | 1-1/2" Dia Cold Water Pipe 90 Deg Elbow                                   | EA   | 2        | 0%      | 2                      | 0.788             | \$ 42.50       | \$ 33.49   | \$ 11.15  | \$ 44.64  | \$ 89.28            |
|                                       |           |                                                         | TEE                                                                       |      |          |         |                        |                   |                |            |           |           |                     |
| 79                                    |           |                                                         | 1" Dia Cold Water Pipe Tee                                                | EA   | 2        | 0%      | 2                      | 0.880             | \$ 42.50       | \$ 37.40   | \$ 18.90  | \$ 56.30  | \$ 112.60           |
|                                       |           |                                                         | REDUCER                                                                   |      |          |         |                        |                   |                |            |           |           |                     |
| 80                                    |           |                                                         | 1-1/2" / 1/2" Dia Cold Water Pipe Reducer                                 | EA   | 1        | 0%      | 1                      | 0.650             | \$ 42.50       | \$ 27.63   | \$ 81.00  | \$ 108.63 | \$ 108.63           |
| 81                                    |           |                                                         | 1-1/2" / 1" Dia Cold Water Pipe Reducer                                   | EA   | 3        | 0%      | 3                      | 0.700             | \$ 42.50       | \$ 29.75   | \$ 81.00  | \$ 110.75 | \$ 332.25           |
|                                       |           |                                                         | HOT WATER PIPE                                                            |      |          |         |                        |                   |                |            |           |           |                     |
|                                       |           |                                                         | Schedule 80 Black Steel Pipe, ASTM A53                                    |      |          |         |                        |                   |                |            |           |           |                     |
|                                       |           |                                                         | 1-1/2" Dia Return Water Pipe                                              | LF   | 153      | 10%     | 168                    | 0.660             | \$ 42.50       | \$ 28.05   | \$ -      | \$ 28.05  | \$ 4,720.82         |
|                                       |           |                                                         | HOT WATER PIPE FITTINGS                                                   |      |          |         |                        |                   |                |            |           |           |                     |
|                                       |           |                                                         | ELBOW                                                                     |      |          |         |                        |                   |                |            |           |           |                     |
| 83                                    |           |                                                         | 1-1/2" Dia Return Water Pipe 90 Deg Elbow                                 | EA   | 5        | 0%      | 5                      | 0.788             | \$ 42.50       | \$ 33.49   | \$ 11.15  | \$ 44.64  | \$ 223.20           |
|                                       |           |                                                         | POTABLE WATER PIPE                                                        |      |          |         |                        |                   |                |            |           |           |                     |
|                                       |           |                                                         | 316SS Schedule 40 Stainless Steel Pipe                                    |      |          |         |                        |                   |                |            |           |           |                     |
| 84                                    |           | As Per Client's<br>Instructions<br>Provided By<br>Owner | 1-1/4" Dia Potable Water Pipe                                             | LF   | 180      | 10%     | 198                    | 0.740             | \$ 42.50       | \$ 31.45   | \$ -      | \$ 31.45  | \$ 6,227.10         |
| 85                                    |           |                                                         | 2" Dia Potable Water Pipe                                                 | LF   | 171      | 10%     | 188                    | 0.756             | \$ 42.50       | \$ 32.13   | \$ -      | \$ 32.13  | \$ 6,043.65         |
|                                       |           |                                                         | POTABLE WATER PIPE FITTINGS                                               |      |          |         |                        |                   |                |            |           |           |                     |
|                                       |           |                                                         | ELBOW                                                                     |      |          |         |                        |                   |                |            |           |           |                     |
| 86                                    |           |                                                         | 1-1/4" Dia Potable Water 90 Deg Elbow                                     | EA   | 2        | 0%      | 2                      | 0.805             | \$ 42.50       | \$ 34.21   | \$ 47.50  | \$ 81.71  | \$ 163.43           |
| 87                                    |           |                                                         | 2" Dia Potable Water Pipe 90 Deg Elbow                                    | EA   | 1        | 0%      | 1                      | 1.058             | \$ 42.50       | \$ 44.97   | \$ 96.50  | \$ 141.47 | \$ 141.47           |
|                                       |           |                                                         | WYE                                                                       |      |          |         |                        |                   |                |            |           |           |                     |
| 88                                    |           |                                                         | 2" Dia Potable Water Pipe Tee                                             | EA   | 1        | 0%      | 1                      | 1.276             | \$ 42.50       | \$ 54.23   | \$ 147.00 | \$ 201.23 | \$ 201.23           |
|                                       |           |                                                         | REDUCER                                                                   |      |          |         |                        |                   |                |            |           |           |                     |
| 89                                    |           |                                                         | 2" / 1-1/4" Dia Potable Water Pipe Reducer                                | EA   | 3        | 0%      | 3                      | 0.932             | \$ 42.50       | \$ 39.61   | \$ 147.00 | \$ 186.61 | \$ 559.83           |
|                                       |           |                                                         | HYDRATED LIME PIPE                                                        |      |          |         |                        |                   |                |            |           |           |                     |
|                                       |           |                                                         | Schedule 80 Black Steel Pipe, ASTM A53                                    |      |          |         |                        |                   |                |            |           |           |                     |
|                                       |           |                                                         | 4" Dia Hydrated Lime Pipe                                                 | LF   | 20       | 10%     | 22                     | 0.988             | \$ 42.50       | \$ 41.99   | \$ -      | \$ 41.99  | \$ 923.78           |
|                                       |           |                                                         | HYDRATED LIME PIPE FITTINGS                                               |      |          |         |                        |                   |                |            |           |           |                     |
|                                       |           |                                                         | ELBOW                                                                     |      |          |         |                        |                   |                |            |           |           |                     |
| 91                                    |           |                                                         | 4" Dia Hydrated Lime Pipe 90 Deg Elbow                                    | EA   | 2        | 0%      | 2                      | 1.500             | \$ 42.50       | \$ 63.75   | \$ 131.00 | \$ 194.75 | \$ 389.50           |
|                                       |           |                                                         | VENT PIPE                                                                 |      |          |         |                        |                   |                |            |           |           |                     |
|                                       |           |                                                         | Schedule 80 Black Steel Pipe, ASTM A53                                    |      |          |         |                        |                   |                |            |           |           |                     |
|                                       |           |                                                         | 3" Dia Vent Pipe                                                          | LF   | 100      | 10%     | 110                    | 0.860             | \$ 42.50       | \$ 36.55   | \$ -      | \$ 36.55  | \$ 4,020.50         |
|                                       |           |                                                         | VENT PIPE FITTINGS                                                        |      |          |         |                        |                   |                |            |           |           |                     |
|                                       |           |                                                         | ELBOW                                                                     |      |          |         |                        |                   |                |            |           |           |                     |
| 93                                    |           |                                                         | 3" Dia Vent Pipe 90 Deg Elbow                                             | EA   | 2        | 0%      | 2                      | 1.400             | \$ 42.50       | \$ 59.50   | \$ 71.00  | \$ 130.50 | \$ 261.00           |
|                                       |           |                                                         | COMPRESSED AIR PIPE                                                       |      |          |         |                        |                   |                |            |           |           |                     |
|                                       |           |                                                         | ASTM B68 Seamless Copper Tube, Bright And<br>Annealed, Light Drawn Temper |      |          |         |                        |                   |                |            |           |           |                     |
| 94                                    |           |                                                         | 1/4" Dia Compressed Air Pipe                                              | LF   | 250      | 10%     | 275                    | 0.280             | \$ 42.50       | \$ 11.90   | \$ -      | \$ 11.90  | \$ 3,272.50         |
| 95                                    |           |                                                         | 3/8" Dia Compressed Air Pipe                                              | LF   | 540      | 10%     | 594                    | 0.300             | \$ 42.50       | \$ 12.75   | \$ -      | \$ 12.75  | \$ 7,573.50         |
|                                       |           |                                                         | Schedule 80 Black Steel Pipe, ASTM A53                                    |      |          |         |                        |                   |                |            |           |           |                     |
| 96                                    |           | As Per Client's<br>Instructions<br>Provided By<br>Owner | 1/2" Dia Compressed Air Pipe                                              | LF   | 150      | 10%     | 165                    | 0.460             | \$ 42.50       | \$ 19.55   | \$ -      | \$ 19.55  | \$ 3,225.75         |
| 97                                    |           |                                                         | 3/4" Dia Compressed Air Pipe                                              | LF   | 694      | 10%     | 764                    | 0.484             | \$ 42.50       | \$ 20.57   | \$ -      | \$ 20.57  | \$ 15,711.51        |
| 98                                    |           |                                                         | 1" Dia Compressed Air Pipe                                                | LF   | 309      | 10%     | 340                    | 0.528             | \$ 42.50       | \$ 22.44   | \$ -      | \$ 22.44  | \$ 7,636.00         |
| 99                                    |           |                                                         | 1-1/2" Dia Compressed Air Pipe                                            | LF   | 339      | 10%     | 373                    | 0.660             | \$ 42.50       | \$ 28.05   | \$ -      | \$ 28.05  | \$ 10,474.35        |
| 100                                   |           |                                                         | 2" Dia Compressed Air Pipe                                                | LF   | 344      | 10%     | 379                    | 0.756             | \$ 42.50       | \$ 32.13   | \$ -      | \$ 32.13  | \$ 12,174.25        |
| 101                                   |           |                                                         | 2-1/2" Dia Compressed Air Pipe                                            | LF   | 50       | 10%     | 55                     | 0.808             | \$ 42.50       | \$ 34.34   | \$ -      | \$ 34.34  | \$ 1,888.70         |
| 102                                   |           |                                                         | 3" Dia Compressed Air Pipe                                                | LF   | 100      | 10%     | 110                    | 0.860             | \$ 42.50       | \$ 36.55   | \$ -      | \$ 36.55  | \$ 4,020.50         |
|                                       |           |                                                         | COMPRESSED AIR PIPE FITTINGS                                              |      |          |         |                        |                   |                |            |           |           |                     |
|                                       |           |                                                         | ELBOW                                                                     |      |          |         |                        |                   |                |            |           |           |                     |
| 103                                   |           |                                                         | 1/4" Dia Compressed Air Pipe 90 Deg Elbow                                 | EA   | 2        | 0%      | 2                      | 0.275             | \$ 42.50       | \$ 11.69   | \$ 4.15   | \$ 15.84  | \$ 31.68            |
| 104                                   |           |                                                         | 3/8" Dia Compressed Air Pipe Fitting (PARKER #68CA-6-6)                   | EA   | 24       | 0%      | 24                     | 0.300             | \$ 42.50       | \$ 12.75   | \$ 4.44   | \$ 17.19  | \$ 412.56           |
| 105                                   |           |                                                         | 3/8" Dia Compressed Air Pipe 90 Deg Elbow                                 | EA   | 14       | 0%      | 14                     | 0.300             | \$ 42.50       | \$ 12.75   | \$ 4.44   | \$ 17.19  | \$ 240.66           |
| 106                                   |           |                                                         | 1/2" Dia Compressed Air Pipe 90 Deg Elbow                                 | EA   | 3        | 0%      | 3                      | 0.325             | \$ 42.50       | \$ 13.81   | \$ 4.77   | \$ 18.58  | \$ 55.75            |
| 107                                   |           |                                                         | 3/4" Dia Compressed Air Pipe 90 Deg Elbow                                 | EA   | 27       | 0%      | 27                     | 0.404             | \$ 42.50       | \$ 17.17   | \$ 4.97   | \$ 22.14  | \$ 597.78           |
| 108                                   |           |                                                         | 1" Dia Compressed Air Pipe 90 Deg Elbow                                   | EA   | 4        | 0%      | 4                      | 0.625             | \$ 42.50       | \$ 26.56   | \$ 5.90   | \$ 32.46  | \$ 129.85           |
| 109                                   |           |                                                         | 1-1/2" Dia Compressed Air Pipe 90 Deg Elbow                               | EA   | 4        | 0%      | 4                      | 0.788             | \$ 42.50       | \$ 33.49   | \$ 11.55  | \$ 45.04  | \$ 180.16           |
| 110                                   |           |                                                         | 2" Dia Compressed Air Pipe 90 Deg Elbow                                   | EA   | 15       | 0%      | 15                     | 1.058             | \$ 42.50       | \$ 44.97   | \$ 18.10  | \$ 63.07  | \$ 945.98           |
| 111                                   |           |                                                         | 2" Dia Compressed Air Pipe 45 Deg Elbow                                   | EA   | 3        | 0%      | 3                      | 1.058             | \$ 42.50       | \$ 44.97   | \$ 18.10  | \$ 63.07  | \$ 189.20           |
|                                       |           |                                                         | TEE                                                                       |      |          |         |                        |                   |                |            |           |           |                     |
| 112                                   |           |                                                         | 3/8" Dia Compressed Air Pipe Tee                                          | EA   | 1        | 0%      | 1                      | 0.429             | \$ 42.50       | \$ 18.23   | \$ 11.77  | \$ 30.00  | \$ 30.00            |
| 113                                   |           |                                                         | 3/4" Dia Compressed Air Pipe Tee                                          | EA   | 10       | 0%      | 10                     | 0.700             | \$ 42.50       | \$ 29.75   | \$ 17.00  | \$ 46.75  | \$ 467.50           |
| 114                                   |           |                                                         | 1" Dia Compressed Air Pipe Tee                                            | EA   | 5        | 0%      | 5                      | 1.000             | \$ 42.50       | \$ 42.50   | \$ 18.90  | \$ 61.40  | \$ 307.00           |
| 115                                   |           |                                                         | 1-1/2" Dia Compressed Air Pipe Tee                                        | EA   | 1        | 0%      | 1                      | 1.150             | \$ 42.50       | \$ 48.88   | \$ 45.00  | \$ 93.88  | \$ 93.88            |
| 116                                   |           |                                                         | 2" Dia Compressed Air Pipe Tee                                            | EA   | 10       | 0%      | 10                     | 1.276             | \$ 42.50       | \$ 54.23   | \$ 62.50  | \$ 116.73 | \$ 1,167.30         |
| 117                                   |           |                                                         | 1" / 3/4" Dia Compressed Air Pipe Tee                                     | EA   | 1        | 0%      | 1                      | 0.850             | \$ 42.50       | \$ 36.13   | \$ 18.90  | \$ 55.03  | \$ 55.03            |
| 118                                   |           |                                                         | 1-1/2" / 1/2" Dia Compressed Air Pipe Tee                                 | EA   | 1        | 0%      | 1                      | 0.970             | \$ 42.50       | \$ 41.23   | \$ 45.00  | \$ 86.23  | \$ 86.23            |
| 119                                   |           |                                                         | 2" / 1-1/2" Dia Compressed Air Pipe Tee                                   | EA   | 1        | 0%      | 1                      | 1.200             | \$ 42.50       | \$ 51.00   | \$ 62.50  | \$ 113.50 | \$ 113.50           |
|                                       |           |                                                         | REDUCER                                                                   |      |          |         |                        |                   |                |            |           |           |                     |
| 120                                   |           |                                                         | 3/8" / 1/4" Dia Compressed Air Pipe Reducer                               | EA   | 4        | 0%      | 4                      | 0.300             | \$ 42.50       | \$ 12.75   | \$ 14.30  | \$ 27.05  | \$ 108.20           |
| 121                                   |           |                                                         | 3/8" / 1-1/2" Dia Compressed Air Pipe Reducer                             | EA   | 1        | 0%      | 1                      | 0.699             | \$ 42.50       | \$ 29.71   | \$ 14.30  | \$ 44.01  | \$ 44.01            |
| 122                                   |           |                                                         | 3/4" / 3/8" Dia Compressed Air Pipe Reducer                               | EA   | 12       | 0%      | 12                     | 0.345             | \$ 42.50       | \$ 14.66   | \$ 19.00  | \$ 33.66  | \$ 403.95           |
| 123                                   |           |                                                         | 3/4" / 1/2" Dia Compressed Air Pipe Reducer                               | EA   | 6        | 0%      | 6                      | 0.379             | \$ 42.50       | \$ 16.11   | \$ 19.00  | \$ 35.11  | \$ 210.65           |
| 124                                   |           |                                                         | 1" / 3/8" Dia Compressed Air Pipe Reducer                                 | EA   | 1        | 0%      | 1                      | 0.795             | \$ 42.50       | \$ 33.79   | \$ 22.00  | \$ 55.79  | \$ 55.79            |
| 125                                   |           |                                                         | 1" / 3/4" Dia Compressed Air Pipe Reducer                                 | EA   | 7        | 0%      | 7                      | 0.860             | \$ 42.50       | \$ 36.55   | \$ 22.00  | \$ 58.55  | \$ 409.85           |
| 126                                   |           |                                                         | 1-1/2" / 1/4" Dia Compressed Air Pipe Reducer                             | EA   | 6        | 0%      | 6                      | 0.900             | \$ 42.50       | \$ 38.25   | \$ 81.00  | \$ 119.25 | \$ 715.50           |
| 127                                   |           |                                                         | 1-1/2" / 1" Dia Compressed Air Pipe Reducer                               | EA   | 4        | 0%      | 4                      | 0.974             | \$ 42.50       | \$ 41.40   | \$ 81.00  | \$ 122.40 | \$ 489.58           |

**DETAILED BREAKDOWN OF ITEMS**

Prepared for: Covanta Pasco CDS J223048, Covanta Pasco, FL  
 Project ID:  
 Scope: Air Pollution Control Equipment Erection



Date: 14-May-25

| SR # | Drawing # | Detail # | DESCRIPTION                                                              | UNIT | QUANTITY | WASTAGE | QUANTITY W/<br>WASTAGE | UNIT<br>MANHOUR | HOURLY<br>WAGE | LABOR COST  | MAT. COST | UNIT COST   | SUB COST     |
|------|-----------|----------|--------------------------------------------------------------------------|------|----------|---------|------------------------|-----------------|----------------|-------------|-----------|-------------|--------------|
| 128  |           |          | 2" / 3/8" Compressed Air Pipe Reducer                                    | EA   | 2        | 0%      | 2                      | 1.147           | \$ 42.50       | \$ 48.75    | \$ 106.00 | \$ 154.75   | \$ 309.50    |
| 129  |           |          | 2" / 1-1/2" Dia Compressed Air Pipe Reducer                              | EA   | 1        | 0%      | 1                      | 1.220           | \$ 42.50       | \$ 51.85    | \$ 106.00 | \$ 157.85   | \$ 157.85    |
| 130  |           |          | 2-1/2" / 3/8" Dia Compressed Air Pipe Reducer                            | EA   | 1        | 0%      | 1                      | 1.236           | \$ 42.50       | \$ 52.53    | \$ 151.00 | \$ 203.53   | \$ 203.53    |
| 131  |           |          | 2-1/2" / 1-1/2" Dia Compressed Air Pipe Reducer                          | EA   | 1        | 0%      | 1                      | 1.325           | \$ 42.50       | \$ 56.31    | \$ 151.00 | \$ 207.31   | \$ 207.31    |
| 132  |           |          | 2-1/2" / 2" Dia Compressed Air Pipe Reducer                              | EA   | 1        | 0%      | 1                      | 1.370           | \$ 42.50       | \$ 58.23    | \$ 151.00 | \$ 209.23   | \$ 209.23    |
| 133  |           |          | 3" / 2" Dia Compressed Air Pipe Reducer                                  | EA   | 1        | 0%      | 1                      | 1.400           | \$ 42.50       | \$ 59.50    | \$ 251.00 | \$ 310.50   | \$ 310.50    |
| 134  |           |          | 4" / 1/4" Dia Compressed Air Pipe Reducer                                | EA   | 2        | 0%      | 2                      | 1.500           | \$ 42.50       | \$ 63.75    | \$ 555.00 | \$ 618.75   | \$ 1,237.50  |
|      |           |          | <b>MOTIVE AIR PIPE</b>                                                   |      |          |         |                        |                 |                |             |           |             |              |
|      |           |          | <b>Schedule 80 Black Steel Pipe, ASTM A53</b>                            |      |          |         |                        |                 |                |             |           |             |              |
| 135  |           |          | 3" Dia Motive Air Pipe                                                   | LF   | 120      | 10%     | 132                    | 0.860           | \$ 42.50       | \$ 36.55    | \$ -      | \$ 36.55    | \$ 4,824.60  |
| 136  |           |          | 4" Dia Motive Air Pipe                                                   | LF   | 800      | 10%     | 880                    | 0.988           | \$ 42.50       | \$ 41.99    | \$ -      | \$ 41.99    | \$ 36,951.20 |
| 137  |           |          | 6" Dia Motive Air Pipe                                                   | LF   | 160      | 10%     | 176                    | 1.200           | \$ 42.50       | \$ 51.00    | \$ -      | \$ 51.00    | \$ 8,976.00  |
|      |           |          | <b>MOTIVE AIR PIPE FITTINGS</b>                                          |      |          |         |                        |                 |                |             |           |             |              |
|      |           |          | <b>ELBOW</b>                                                             |      |          |         |                        |                 |                |             |           |             |              |
| 138  |           |          | 4" Dia Motive Air Pipe 90 Deg Elbow                                      | EA   | 33       | 0%      | 33                     | 1.500           | \$ 42.50       | \$ 63.75    | \$ 131.00 | \$ 194.75   | \$ 6,426.75  |
| 139  |           |          | 4" Dia Motive Air Pipe 45 Deg Elbow                                      | EA   | 1        | 0%      | 1                      | 1.500           | \$ 42.50       | \$ 63.75    | \$ 131.00 | \$ 194.75   | \$ 194.75    |
|      |           |          | <b>TEE</b>                                                               |      |          |         |                        |                 |                |             |           |             |              |
| 140  |           |          | 4" Dia Motive Air Pipe Tee                                               | EA   | 1        | 0%      | 1                      | 2.000           | \$ 42.50       | \$ 85.00    | \$ 249.00 | \$ 334.00   | \$ 334.00    |
| 141  |           |          | 12" Dia Motive Air Pipe Tee                                              | EA   | 1        | 0%      | 1                      | 3.600           | \$ 42.50       | \$ 153.00   | \$ 500.00 | \$ 653.00   | \$ 653.00    |
|      |           |          | <b>REDUCER</b>                                                           |      |          |         |                        |                 |                |             |           |             |              |
| 142  |           |          | 6" / 3" Dia Motive Air Pipe Reducer                                      | EA   | 1        | 0%      | 1                      | 1.850           | \$ 42.50       | \$ 78.63    | \$ 582.00 | \$ 660.63   | \$ 660.63    |
| 143  |           |          | 12" / 4" Dia Motive Air Pipe Reducer                                     | EA   | 2        | 0%      | 2                      | 2.740           | \$ 42.50       | \$ 116.45   | \$ 635.00 | \$ 751.45   | \$ 1,502.90  |
|      |           |          | <b>EQUIPMENTS</b>                                                        |      |          |         |                        |                 |                |             |           |             |              |
| 144  |           |          | BL-9300: Lime transport blower, Type: Blower, Manufacturer: Sutor B      | EA   | 1        | 0%      | 1                      | 7.170           | \$ 42.50       | \$ 304.73   | \$ -      | \$ 304.73   | \$ 304.73    |
| 145  |           |          | FL-9301: Lime transport blower inlet filter/silencer, Type: Filter, Man  | EA   | 1        | 0%      | 1                      | 7.170           | \$ 42.50       | \$ 304.73   | \$ -      | \$ 304.73   | \$ 304.73    |
| 146  |           |          | SJ-9301: Lime transport blower outlet silencer, Type: Silencer, Manuf    | EA   | 1        | 0%      | 1                      | 7.170           | \$ 42.50       | \$ 304.73   | \$ -      | \$ 304.73   | \$ 304.73    |
| 147  |           |          | EJ-9302: Lime transport blower flow valve expansion joint, Type: Exp     | EA   | 1        | 0%      | 1                      | 7.170           | \$ 42.50       | \$ 304.73   | \$ -      | \$ 304.73   | \$ 304.73    |
| 148  |           |          | BL-9303: Spare lime transport blower, Type: Blower, Manufacturer: S      | EA   | 1        | 0%      | 1                      | 7.170           | \$ 42.50       | \$ 304.73   | \$ -      | \$ 304.73   | \$ 304.73    |
| 149  |           |          | FL-9304: Spare lime transport blower inlet filter/silencer, Type: Filter | EA   | 1        | 0%      | 1                      | 7.170           | \$ 42.50       | \$ 304.73   | \$ -      | \$ 304.73   | \$ 304.73    |
| 150  |           |          | SJ-9304: Spare lime transport blower outlet silencer, Type: Silencer, N  | EA   | 1        | 0%      | 1                      | 7.170           | \$ 42.50       | \$ 304.73   | \$ -      | \$ 304.73   | \$ 304.73    |
| 151  |           |          | EJ-9305: Spare lime transport blower flow valve expansion joint, Type    | EA   | 1        | 0%      | 1                      | 7.170           | \$ 42.50       | \$ 304.73   | \$ -      | \$ 304.73   | \$ 304.73    |
| 152  |           |          | FFLT-9307: Hydrated lime silo bin vent, Type: Bin vent, Manufactur       | EA   | 1        | 0%      | 1                      | 4.800           | \$ 42.50       | \$ 204.00   | \$ -      | \$ 204.00   | \$ 204.00    |
| 153  |           |          | EJ-9312: Hydrated lime silo discharge flexible joint, Type: Expansion    | EA   | 1        | 0%      | 1                      | 3.000           | \$ 42.50       | \$ 127.50   | \$ -      | \$ 127.50   | \$ 127.50    |
| 154  |           |          | FA-9312: Hydrated lime flow adapter - convey line, Type: Flow adapte     | EA   | 1        | 0%      | 1                      | 8.000           | \$ 42.50       | \$ 340.00   | \$ -      | \$ 340.00   | \$ 340.00    |
| 155  |           |          | FN-9312: Silo skirt vent fan, Type: Fan, Manufacturer: Cincinnati Fan    | EA   | 1        | 0%      | 1                      | 4.250           | \$ 42.50       | \$ 180.63   | \$ -      | \$ 180.63   | \$ 180.63    |
| 156  |           |          | SG-9312: Hydrated lime silo isolation slide gate, Type: Slide gate, Ma   | EA   | 1        | 0%      | 1                      | 6.250           | \$ 42.50       | \$ 265.63   | \$ -      | \$ 265.63   | \$ 265.63    |
| 157  |           |          | JBC-9315: Hydrated lime silo jib crane, Type: Jib crane, Manufactur      | EA   | 1        | 0%      | 1                      | 12.000          | \$ 42.50       | \$ 510.00   | \$ -      | \$ 510.00   | \$ 510.00    |
| 158  |           |          | BA-9318: Hydrated lime silo bin activator, Type: Bin activator, Manuf    | EA   | 1        | 0%      | 1                      | 9.000           | \$ 42.50       | \$ 382.50   | \$ -      | \$ 382.50   | \$ 382.50    |
| 159  |           |          | RV-9319: Hydrated lime rotary valve, Type: Rotary valve, Manufactur      | EA   | 1        | 0%      | 1                      | 4.000           | \$ 42.50       | \$ 170.00   | \$ -      | \$ 170.00   | \$ 170.00    |
| 160  |           |          | FN-9321: Hydrated lime silo bin vent fan, Type: Fan, Manufacturer: C     | EA   | 1        | 0%      | 1                      | 4.250           | \$ 42.50       | \$ 180.63   | \$ -      | \$ 180.63   | \$ 180.63    |
| 161  |           |          | MBC-S01: Hydrated lime silo tank, Type: Tank, Manufacturer: CST It       | EA   | 1        | 0%      | 1                      | 125.000         | \$ 42.50       | \$ 5,312.50 | \$ -      | \$ 5,312.50 | \$ 5,312.50  |
| 162  |           |          | DC-9325: Hydrated lime cyclone A, Type: Cyclone, Manufacturer: LD        | EA   | 1        | 0%      | 1                      | 36.000          | \$ 42.50       | \$ 1,530.00 | \$ -      | \$ 1,530.00 | \$ 1,530.00  |
| 163  |           |          | EJ-9325: Hydrated lime cyclone A expansion joint, Type: Expansion jo     | EA   | 1        | 0%      | 1                      | 2.000           | \$ 42.50       | \$ 85.00    | \$ -      | \$ 85.00    | \$ 85.00     |
| 164  |           |          | H-9325: Hydrated lime loss in weight hopper, Type: Hopper, Manufa        | EA   | 1        | 0%      | 1                      | 4.250           | \$ 42.50       | \$ 180.63   | \$ -      | \$ 180.63   | \$ 180.63    |
| 165  |           |          | SF-9325: Hydrated lime gravimetric screw, Type: Screw Feeder, Manu       | EA   | 1        | 0%      | 1                      | 5.500           | \$ 42.50       | \$ 233.75   | \$ -      | \$ 233.75   | \$ 233.75    |
| 166  |           |          | EJ-9326: Hydrated lime loss in weight screw feeder discharge expansi     | EA   | 1        | 0%      | 1                      | 2.500           | \$ 42.50       | \$ 106.25   | \$ -      | \$ 106.25   | \$ 106.25    |
| 167  |           |          | DC-9330: Hydrated lime cyclone B, Type: Cyclone, Manufacturer: LD        | EA   | 1        | 0%      | 1                      | 36.000          | \$ 42.50       | \$ 1,530.00 | \$ -      | \$ 1,530.00 | \$ 1,530.00  |
| 168  |           |          | EJ-9330: Hydrated lime cyclone B expansion joint, Type: Expansion jo     | EA   | 1        | 0%      | 1                      | 36.000          | \$ 42.50       | \$ 1,530.00 | \$ -      | \$ 1,530.00 | \$ 1,530.00  |
| 169  |           |          | H-9330: Hydrated lime loss in weight hopper B, Type: Hopper, Manuf       | EA   | 1        | 0%      | 1                      | 4.250           | \$ 42.50       | \$ 180.63   | \$ -      | \$ 180.63   | \$ 180.63    |
| 170  |           |          | SF-9330: Hydrated lime gravimetric screw, Type: Screw Feeder, Manu       | EA   | 1        | 0%      | 1                      | 5.500           | \$ 42.50       | \$ 233.75   | \$ -      | \$ 233.75   | \$ 233.75    |
| 171  |           |          | EJ-9331: Hydrated lime loss in weight screw feeder discharge expansi     | EA   | 1        | 0%      | 1                      | 2.360           | \$ 42.50       | \$ 100.30   | \$ -      | \$ 100.30   | \$ 100.30    |
| 172  |           |          | WE-9325A: Hydrated lime loss in weight hopper A load cells A, Type       | EA   | 1        | 0%      | 1                      | 4.250           | \$ 42.50       | \$ 180.63   | \$ -      | \$ 180.63   | \$ 180.63    |
| 173  |           |          | WE-9325B: Hydrated lime loss in weight hopper A load cells B, Type       | EA   | 1        | 0%      | 1                      | 4.250           | \$ 42.50       | \$ 180.63   | \$ -      | \$ 180.63   | \$ 180.63    |
| 174  |           |          | WE-9325C: Hydrated lime loss in weight hopper A load cells C, Type       | EA   | 1        | 0%      | 1                      | 4.250           | \$ 42.50       | \$ 180.63   | \$ -      | \$ 180.63   | \$ 180.63    |
| 175  |           |          | WE-9325D: Hydrated lime loss in weight hopper A load cells D, Type       | EA   | 1        | 0%      | 1                      | 4.250           | \$ 42.50       | \$ 180.63   | \$ -      | \$ 180.63   | \$ 180.63    |
| 176  |           |          | WE-9330A: Hydrated lime loss in weight hopper B load cells A, Type       | EA   | 1        | 0%      | 1                      | 4.250           | \$ 42.50       | \$ 180.63   | \$ -      | \$ 180.63   | \$ 180.63    |
| 177  |           |          | WE-9330B: Hydrated lime loss in weight hopper B load cells B, Type       | EA   | 1        | 0%      | 1                      | 4.250           | \$ 42.50       | \$ 180.63   | \$ -      | \$ 180.63   | \$ 180.63    |
| 178  |           |          | WE-9330C: Hydrated lime loss in weight hopper B load cells C, Type       | EA   | 1        | 0%      | 1                      | 4.250           | \$ 42.50       | \$ 180.63   | \$ -      | \$ 180.63   | \$ 180.63    |
| 179  |           |          | WE-9330D: Hydrated lime loss in weight hopper B load cells D, Type       | EA   | 1        | 0%      | 1                      | 4.250           | \$ 42.50       | \$ 180.63   | \$ -      | \$ 180.63   | \$ 180.63    |
| 180  |           |          | SC-9333: Recycle hopper A discharge screw, Type: Conveyor, Manufa        | EA   | 1        | 0%      | 1                      | 17.000          | \$ 42.50       | \$ 722.50   | \$ -      | \$ 722.50   | \$ 722.50    |
| 181  |           |          | SC-9334: Recycled lime transport screw A, Type: Conveyor, Manufac        | EA   | 1        | 0%      | 1                      | 15.000          | \$ 42.50       | \$ 637.50   | \$ -      | \$ 637.50   | \$ 637.50    |
| 182  |           |          | SG-9334: Recycle hopper A discharge isolation valve, Type: Slide gate    | EA   | 1        | 0%      | 1                      | 2.500           | \$ 42.50       | \$ 106.25   | \$ -      | \$ 106.25   | \$ 106.25    |
| 183  |           |          | SC-9335: Waste transport screw, Type: Conveyor, Manufacturer: Mart       | EA   | 1        | 0%      | 1                      | 13.000          | \$ 42.50       | \$ 552.50   | \$ -      | \$ 552.50   | \$ 552.50    |
| 184  |           |          | H-9336: Recycle hopper A, Type: Hopper, Manufacturer: LDX Solutio        | EA   | 1        | 0%      | 1                      | 5.000           | \$ 42.50       | \$ 212.50   | \$ -      | \$ 212.50   | \$ 212.50    |
| 185  |           |          | RV-9337: Waste removal rotary valve A, Type: Rotary valve, Manufac       | EA   | 1        | 0%      | 1                      | 4.200           | \$ 42.50       | \$ 178.50   | \$ -      | \$ 178.50   | \$ 178.50    |
| 186  |           |          | SG-9337: Waste removal isolation valve, Type: Slide gate, Manufactu      | EA   | 1        | 0%      | 1                      | 2.400           | \$ 42.50       | \$ 102.00   | \$ -      | \$ 102.00   | \$ 102.00    |
| 187  |           |          | WE-9336A: Recycle hopper A weight transmitter load cell A, Type: W       | EA   | 1        | 0%      | 1                      | 1.900           | \$ 42.50       | \$ 80.75    | \$ -      | \$ 80.75    | \$ 80.75     |
| 188  |           |          | WE-9336B: Recycle hopper A weight transmitter load cells B, Type: V      | EA   | 1        | 0%      | 1                      | 1.900           | \$ 42.50       | \$ 80.75    | \$ -      | \$ 80.75    | \$ 80.75     |
| 189  |           |          | WE-9336C: Recycle hopper A weight transmitter load cells C, Type: V      | EA   | 1        | 0%      | 1                      | 1.900           | \$ 42.50       | \$ 80.75    | \$ -      | \$ 80.75    | \$ 80.75     |
| 190  |           |          | WE-9336D: Recycle hopper A weight transmitter load cells D, Type: V      | EA   | 1        | 0%      | 1                      | 1.900           | \$ 42.50       | \$ 80.75    | \$ -      | \$ 80.75    | \$ 80.75     |
| 191  |           |          | H-9338: Recycle hopper B, Type: Hopper, Manufacturer: LDX Solutio        | EA   | 1        | 0%      | 1                      | 1.900           | \$ 42.50       | \$ 80.75    | \$ -      | \$ 80.75    | \$ 80.75     |
| 192  |           |          | SC-9339: Recycle hopper B discharge screw, Type: Conveyor, Manufa        | EA   | 1        | 0%      | 1                      | 17.000          | \$ 42.50       | \$ 722.50   | \$ -      | \$ 722.50   | \$ 722.50    |
| 193  |           |          | SG-9339: Recycle hopper B discharge isolation valve, Type: Slide gate    | EA   | 1        | 0%      | 1                      | 2.400           | \$ 42.50       | \$ 102.00   | \$ -      | \$ 102.00   | \$ 102.00    |
| 194  |           |          | SC-9340: Recycled lime transport screw B, Type: Conveyor, Manufac        | EA   | 1        | 0%      | 1                      | 15.000          | \$ 42.50       | \$ 637.50   | \$ -      | \$ 637.50   | \$ 637.50    |
| 195  |           |          | RV-9341: Waste removal rotary valve B, Type: Rotary valve, Manufac       | EA   | 1        | 0%      | 1                      | 5.740           | \$ 42.50       | \$ 243.95   | \$ -      | \$ 243.95   | \$ 243.95    |
| 196  |           |          | SG-9341: Waste removal isolation valve, Type: Slide gate, Manufactu      | EA   | 1        | 0%      | 1                      | 2.400           | \$ 42.50       | \$ 102.00   | \$ -      | \$ 102.00   | \$ 102.00    |
| 197  |           |          | WE-9338A: Recycle hopper B weight transmitter load cell A, Type: W       | EA   | 1        | 0%      | 1                      | 1.900           | \$ 42.50       | \$ 80.75    | \$ -      | \$ 80.75    | \$ 80.75     |
| 198  |           |          | WE-9338B: Recycle hopper B weight transmitter load cells B, Type: V      | EA   | 1        | 0%      | 1                      | 1.900           | \$ 42.50       | \$ 80.75    | \$ -      | \$ 80.75    | \$ 80.75     |
| 199  |           |          | WE-9338C: Recycle hopper B weight transmitter load cells C, Type: V      | EA   | 1        | 0%      | 1                      | 1.900           | \$ 42.50       | \$ 80.75    | \$ -      | \$ 80.75    | \$ 80.75     |
| 200  |           |          | WE-9338D: Recycle hopper B weight transmitter load cells D, Type: V      | EA   | 1        | 0%      | 1                      | 1.900           | \$ 42.50       | \$ 80.75    | \$ -      | \$ 80.75    | \$ 80.75     |
| 201  |           |          | EWS-9445: Potable water eye wash station (lime silo), Type: Wash Sta     | EA   | 1        | 0%      | 1                      | 6.000           | \$ 42.50       | \$ 255.00   | \$ -      | \$ 255.00   | \$ 255.00    |
| 202  |           |          | EWS-9446: Potable water eye wash station (ash injection at reaction t    | EA   | 1        | 0%      | 1                      | 6.000           | \$ 42.50       | \$ 255.00   | \$ -      | \$ 255.00   | \$ 255.00    |
| 203  |           |          | EWS-9447: Potable water eye wash station (ash injection at reaction t    | EA   | 1        | 0%      | 1                      | 6.000           | \$ 42.50       | \$ 255.00   | \$ -      | \$ 255.00   | \$ 255.00    |
| 204  |           |          | EWS-9448: Potable water eye wash station (lime silo truck unload stat    | EA   | 1        | 0%      | 1                      | 6.000           | \$ 42.50       | \$ 255.00   | \$ -      | \$ 255.00   | \$ 255.00    |
| 205  |           |          | T-9342: Process water tank, Type: Tank, Manufacturer: Modern Weld        | EA   | 1        | 0%      | 1                      | 30.000          | \$ 42.50       | \$ 1,275.00 | \$ -      | \$ 1,275.00 | \$ 1,275.00  |
| 206  |           |          | F-9343: Pump skid inlet strainer, Type: Strainer, Manufacturer: Factor   | EA   | 1        | 0%      | 1                      | 1.500           | \$ 42.50       | \$ 63.75    | \$ -      | \$ 63.75    | \$ 63.75     |
| 207  |           |          | P-9347: Process water pump no. 1, Type: Pump, Manufacturer: IPE, M       | EA   | 1        | 0%      | 1                      | 7.500           | \$ 42.50       | \$ 318.75   | \$ -      | \$ 318.75   | \$ 318.75    |
| 208  |           |          | P-9348: Process water pump no. 2, Type: Pump, Manufacturer: IPE, M       | EA   | 1        | 0%      | 1                      | 7.500           | \$ 42.50       | \$ 318.75   | \$ -      | \$ 318.75   | \$ 318.75    |
| 209  |           |          | SC-9352: Reaction tower/scrubber hopper waste screw, Type: Screw c       | EA   | 1        | 0%      | 1                      | 10.000          | \$ 42.50       | \$ 425.00   | \$ -      | \$ 425.00   | \$ 425.00    |
| 210  |           |          | RV-9353: Reaction tower/scrubber hopper rotary valve, Type: Rotary v     | EA   | 1        | 0%      | 1                      | 5.740           | \$ 42.50       | \$ 243.95   | \$ -      | \$ 243.95   | \$ 243.95    |
| 211  |           |          | BL-9355: Reaction tower spray lance barrier air blower, Type: Blower     | EA   | 1        | 0%      | 1                      | 10.000          | \$ 42.50       | \$ 425.00   | \$ -      | \$ 425.00   | \$ 425.00    |
| 212  |           |          | JBC-9356: Reaction tower lance removal manual jib crane, Type: Jib c     | EA   | 1        | 0%      | 1                      | 12.000          | \$ 42.50       | \$ 510.00   | \$ -      | \$ 510.00   | \$ 510.00    |
| 213  |           |          | EJ-9359: Process                                                         |      |          |         |                        |                 |                |             |           |             |              |

**DETAILED BREAKDOWN OF ITEMS**

Prepared for: **Covanta Pasco CDS J223048, Covanta Pasco, FL**  
 Project ID:  
 Scope: **Air Pollution Control Equipment Erection**



Date: **14-May-25**

| SR # | Drawing # | Detail # | DESCRIPTION                                                              | UNIT | QUANTITY | WASTAGE | QUANTITY W/<br>WASTAGE | UNIT<br>MANHOUR | HOURLY<br>WAGE | LABOR COST   | MAT. COST | UNIT COST    | SUB COST     |
|------|-----------|----------|--------------------------------------------------------------------------|------|----------|---------|------------------------|-----------------|----------------|--------------|-----------|--------------|--------------|
| 217  |           |          | TW-1411B: Process gas inlet temperature thermowell B, Type: Therm        | EA   | 1        | 0%      | 1                      | 2.000           | \$ 42.50       | \$ 85.00     | \$ 67.99  | \$ 152.99    | \$ 152.99    |
| 218  |           |          | TW-1411C: Process gas inlet temperature thermowell C, Type: Therm        | EA   | 1        | 0%      | 1                      | 2.000           | \$ 42.50       | \$ 85.00     | \$ 67.99  | \$ 152.99    | \$ 152.99    |
| 219  |           |          | TW-1635A: Process gas outlet temperature thermowell A, Type: Therm       | EA   | 1        | 0%      | 1                      | 2.000           | \$ 42.50       | \$ 85.00     | \$ 67.99  | \$ 152.99    | \$ 152.99    |
| 220  |           |          | TW-1635B: Process gas outlet temperature thermowell B, Type: Therm       | EA   | 1        | 0%      | 1                      | 2.000           | \$ 42.50       | \$ 85.00     | \$ 67.99  | \$ 152.99    | \$ 152.99    |
| 221  |           |          | TW-1635C: Process gas outlet temperature thermowell C, Type: Therm       | EA   | 1        | 0%      | 1                      | 2.000           | \$ 42.50       | \$ 85.00     | \$ 67.99  | \$ 152.99    | \$ 152.99    |
| 222  |           |          | SG-9353A: Waste removal isolation gate to waste system, Type: Slide      | EA   | 1        | 0%      | 1                      | 8.000           | \$ 42.50       | \$ 340.00    | \$ -      | \$ 340.00    | \$ 340.00    |
| 223  |           |          | SG-9353B: Waste removal isolation gate to waste system, Type: Slide      | EA   | 1        | 0%      | 1                      | 8.000           | \$ 42.50       | \$ 340.00    | \$ -      | \$ 340.00    | \$ 340.00    |
| 224  |           |          | MBC-SCRB1D: Reaction tower/scrubber, Type: Tank, Manufacturer: F         | EA   | 1        | 0%      | 1                      | 300.000         | \$ 42.50       | \$ 12,750.00 | \$ -      | \$ 12,750.00 | \$ 12,750.00 |
| 225  |           |          | FFLT-9361: Activated Carbon silo bin vent, Type: Bin vent, Manufact      | EA   | 1        | 0%      | 1                      | 4.000           | \$ 42.50       | \$ 170.00    | \$ -      | \$ 170.00    | \$ 170.00    |
| 226  |           |          | FN-9363: Activated Carbon silo bin vent fan, Type: Fan, Manufacturer     | EA   | 1        | 0%      | 1                      | 4.250           | \$ 42.50       | \$ 180.63    | \$ -      | \$ 180.63    | \$ 180.63    |
| 227  |           |          | JBC-9364: Activated Carbon silo jib crane, Type: Jib crane, Manufact     | EA   | 1        | 0%      | 1                      | 12.000          | \$ 42.50       | \$ 510.00    | \$ -      | \$ 510.00    | \$ 510.00    |
| 228  |           |          | FN-9367: Activated Carbon silo skirt vent fan, Type: Fan, Manufacturer   | EA   | 1        | 0%      | 1                      | 4.250           | \$ 42.50       | \$ 180.63    | \$ -      | \$ 180.63    | \$ 180.63    |
| 229  |           |          | MBC-S02: Activated Carbon silo, Type: Tank, Manufacturer: CST, M         | EA   | 1        | 0%      | 1                      | 12.000          | \$ 42.50       | \$ 510.00    | \$ -      | \$ 510.00    | \$ 510.00    |
| 230  |           |          | EJ-9436: AC feed train 1 silo discharge expansion joint, Type: Expans    | EA   | 1        | 0%      | 1                      | 2.500           | \$ 42.50       | \$ 106.25    | \$ -      | \$ 106.25    | \$ 106.25    |
| 231  |           |          | HJ-9436: AC feed train 1 loss in weight hopper, Type: Hopper, Manufa     | EA   | 1        | 0%      | 1                      | 8.000           | \$ 42.50       | \$ 340.00    | \$ -      | \$ 340.00    | \$ 340.00    |
| 232  |           |          | RV-9436: AC feed train 1 rotary valve, Type: Rotary valve, Manufact      | EA   | 1        | 0%      | 1                      | 5.740           | \$ 42.50       | \$ 243.95    | \$ -      | \$ 243.95    | \$ 243.95    |
| 233  |           |          | SG-9436: AC feed train 1 discharge isolation valve, Type: Slide gate, V  | EA   | 1        | 0%      | 1                      | 2.250           | \$ 42.50       | \$ 95.63     | \$ -      | \$ 95.63     | \$ 95.63     |
| 234  |           |          | SF-9437: Batch hopper 1 screw feeder, Type: Screw Feeder, Manufact       | EA   | 1        | 0%      | 1                      | 12.000          | \$ 42.50       | \$ 510.00    | \$ -      | \$ 510.00    | \$ 510.00    |
| 235  |           |          | SJ-9439: AC feed train 1 transport blower outlet silencer, Type: Silenc  | EA   | 1        | 0%      | 1                      | 2.000           | \$ 42.50       | \$ 85.00     | \$ -      | \$ 85.00     | \$ 85.00     |
| 236  |           |          | BL-9439: AC feed train 1 transport blower, Type: Blower, Manufactur      | EA   | 1        | 0%      | 1                      | 7.170           | \$ 42.50       | \$ 304.73    | \$ -      | \$ 304.73    | \$ 304.73    |
| 237  |           |          | EDU-9439: AC feed train 1 eductor, Type: Valve, Manufacturer: Filter     | EA   | 1        | 0%      | 1                      | 2.100           | \$ 42.50       | \$ 89.25     | \$ -      | \$ 89.25     | \$ 89.25     |
| 238  |           |          | FL-9439: AC feed train 1 transport blower inlet filter/silencer, Type: F | EA   | 1        | 0%      | 1                      | 3.000           | \$ 42.50       | \$ 127.50    | \$ -      | \$ 127.50    | \$ 127.50    |
| 239  |           |          | WE-9437A: AC feed train 1 loss in weight hopper A load cells, Type:      | EA   | 1        | 0%      | 1                      | 1.250           | \$ 42.50       | \$ 53.13     | \$ -      | \$ 53.13     | \$ 53.13     |
| 240  |           |          | WE-9437B: AC feed train 1 loss in weight hopper A load cells, Type:      | EA   | 1        | 0%      | 1                      | 1.250           | \$ 42.50       | \$ 53.13     | \$ -      | \$ 53.13     | \$ 53.13     |
| 241  |           |          | WE-9437C: AC feed train 1 loss in weight hopper A load cells, Type:      | EA   | 1        | 0%      | 1                      | 1.250           | \$ 42.50       | \$ 53.13     | \$ -      | \$ 53.13     | \$ 53.13     |
| 242  |           |          | WE-9437D: AC feed train 1 loss in weight hopper A load cells, Type:      | EA   | 1        | 0%      | 1                      | 1.250           | \$ 42.50       | \$ 53.13     | \$ -      | \$ 53.13     | \$ 53.13     |
| 243  |           |          | EJ-9432: AC feed train 2 silo discharge expansion joint, Type: Expans    | EA   | 1        | 0%      | 1                      | 3.000           | \$ 42.50       | \$ 127.50    | \$ -      | \$ 127.50    | \$ 127.50    |
| 244  |           |          | HJ-9432: AC feed train 2 loss in weight hopper, Type: Hopper, Manufa     | EA   | 1        | 0%      | 1                      | 8.000           | \$ 42.50       | \$ 340.00    | \$ -      | \$ 340.00    | \$ 340.00    |
| 245  |           |          | RV-9432: AC feed train 2 rotary valve, Type: Rotary valve, Manufact      | EA   | 1        | 0%      | 1                      | 5.740           | \$ 42.50       | \$ 243.95    | \$ -      | \$ 243.95    | \$ 243.95    |
| 246  |           |          | SG-9432: AC feed train 2 discharge isolation valve, Type: Slide gate, V  | EA   | 1        | 0%      | 1                      | 2.250           | \$ 42.50       | \$ 95.63     | \$ -      | \$ 95.63     | \$ 95.63     |
| 247  |           |          | SF-9433: Batch hopper 2 screw feeder, Type: Screw Feeder, Manufact       | EA   | 1        | 0%      | 1                      | 12.000          | \$ 42.50       | \$ 510.00    | \$ -      | \$ 510.00    | \$ 510.00    |
| 248  |           |          | SJ-9434: AC feed train 2 transport blower outlet silencer, Type: Silenc  | EA   | 1        | 0%      | 1                      | 2.000           | \$ 42.50       | \$ 85.00     | \$ -      | \$ 85.00     | \$ 85.00     |
| 249  |           |          | BL-9435: AC feed train 2 transport blower, Type: Blower, Manufactur      | EA   | 1        | 0%      | 1                      | 7.170           | \$ 42.50       | \$ 304.73    | \$ -      | \$ 304.73    | \$ 304.73    |
| 250  |           |          | EDU-9435: AC feed train 2 eductor, Type: Valve, Manufacturer: Filter     | EA   | 1        | 0%      | 1                      | 2.100           | \$ 42.50       | \$ 89.25     | \$ -      | \$ 89.25     | \$ 89.25     |
| 251  |           |          | FL-9435: AC feed train 2 transport blower inlet filter/silencer, Type: F | EA   | 1        | 0%      | 1                      | 3.000           | \$ 42.50       | \$ 127.50    | \$ -      | \$ 127.50    | \$ 127.50    |
| 252  |           |          | WE-9433A: AC feed train 2 loss in weight hopper A load cells, Type:      | EA   | 1        | 0%      | 1                      | 1.250           | \$ 42.50       | \$ 53.13     | \$ -      | \$ 53.13     | \$ 53.13     |
| 253  |           |          | WE-9433B: AC feed train 2 loss in weight hopper A load cells, Type:      | EA   | 1        | 0%      | 1                      | 1.250           | \$ 42.50       | \$ 53.13     | \$ -      | \$ 53.13     | \$ 53.13     |
| 254  |           |          | WE-9433C: AC feed train 2 loss in weight hopper A load cells, Type:      | EA   | 1        | 0%      | 1                      | 1.250           | \$ 42.50       | \$ 53.13     | \$ -      | \$ 53.13     | \$ 53.13     |
| 255  |           |          | WE-9433D: AC feed train 2 loss in weight hopper A load cells, Type:      | EA   | 1        | 0%      | 1                      | 1.250           | \$ 42.50       | \$ 53.13     | \$ -      | \$ 53.13     | \$ 53.13     |
| 256  |           |          | EJ-9427: AC feed train 3 silo discharge expansion joint, Type: Expans    | EA   | 1        | 0%      | 1                      | 3.000           | \$ 42.50       | \$ 127.50    | \$ -      | \$ 127.50    | \$ 127.50    |
| 257  |           |          | HJ-9427: AC feed train 3 loss in weight hopper, Type: Hopper, Manufa     | EA   | 1        | 0%      | 1                      | 8.000           | \$ 42.50       | \$ 340.00    | \$ -      | \$ 340.00    | \$ 340.00    |
| 258  |           |          | RV-9427: AC feed train 3 rotary valve, Type: Rotary valve, Manufact      | EA   | 1        | 0%      | 1                      | 5.740           | \$ 42.50       | \$ 243.95    | \$ -      | \$ 243.95    | \$ 243.95    |
| 259  |           |          | SG-9427: AC feed train 3 discharge isolation valve, Type: Slide gate, V  | EA   | 1        | 0%      | 1                      | 2.250           | \$ 42.50       | \$ 95.63     | \$ -      | \$ 95.63     | \$ 95.63     |
| 260  |           |          | SF-9428: Batch hopper 3 screw feeder, Type: Screw Feeder, Manufact       | EA   | 1        | 0%      | 1                      | 12.000          | \$ 42.50       | \$ 510.00    | \$ -      | \$ 510.00    | \$ 510.00    |
| 261  |           |          | SJ-9429: AC feed train 3 transport blower outlet silencer, Type: Silenc  | EA   | 1        | 0%      | 1                      | 2.000           | \$ 42.50       | \$ 85.00     | \$ -      | \$ 85.00     | \$ 85.00     |
| 262  |           |          | BL-9430: AC feed train 3 transport blower, Type: Blower, Manufactur      | EA   | 1        | 0%      | 1                      | 7.170           | \$ 42.50       | \$ 304.73    | \$ -      | \$ 304.73    | \$ 304.73    |
| 263  |           |          | EDU-9430: AC feed train 3 eductor, Type: Valve, Manufacturer: Filter     | EA   | 1        | 0%      | 1                      | 2.100           | \$ 42.50       | \$ 89.25     | \$ -      | \$ 89.25     | \$ 89.25     |
| 264  |           |          | FL-9430: AC feed train 3 transport blower inlet filter/silencer, Type: F | EA   | 1        | 0%      | 1                      | 3.000           | \$ 42.50       | \$ 127.50    | \$ -      | \$ 127.50    | \$ 127.50    |
| 265  |           |          | WE-9428A: AC feed train 3 loss in weight hopper A load cells, Type:      | EA   | 1        | 0%      | 1                      | 1.250           | \$ 42.50       | \$ 53.13     | \$ -      | \$ 53.13     | \$ 53.13     |
| 266  |           |          | WE-9428B: AC feed train 3 loss in weight hopper A load cells, Type:      | EA   | 1        | 0%      | 1                      | 1.250           | \$ 42.50       | \$ 53.13     | \$ -      | \$ 53.13     | \$ 53.13     |
| 267  |           |          | WE-9428C: AC feed train 3 loss in weight hopper A load cells, Type:      | EA   | 1        | 0%      | 1                      | 1.250           | \$ 42.50       | \$ 53.13     | \$ -      | \$ 53.13     | \$ 53.13     |
| 268  |           |          | WE-9428D: AC feed train 3 loss in weight hopper A load cells, Type:      | EA   | 1        | 0%      | 1                      | 1.250           | \$ 42.50       | \$ 53.13     | \$ -      | \$ 53.13     | \$ 53.13     |
| 269  |           |          | EJ-9422: AC feed train 4 silo discharge expansion joint, Type: Expans    | EA   | 1        | 0%      | 1                      | 3.000           | \$ 42.50       | \$ 127.50    | \$ -      | \$ 127.50    | \$ 127.50    |
| 270  |           |          | EJ-9422: AC feed train 4 silo discharge expansion joint, Type: Expans    | EA   | 1        | 0%      | 1                      | 3.000           | \$ 42.50       | \$ 127.50    | \$ -      | \$ 127.50    | \$ 127.50    |
| 271  |           |          | SG-9422: AC feed train 4 discharge isolation valve, Type: Slide gate, V  | EA   | 1        | 0%      | 1                      | 2.250           | \$ 42.50       | \$ 95.63     | \$ -      | \$ 95.63     | \$ 95.63     |
| 272  |           |          | HJ-9423: AC feed train 4 loss in weight hopper, Type: Hopper, Manufa     | EA   | 1        | 0%      | 1                      | 8.000           | \$ 42.50       | \$ 340.00    | \$ -      | \$ 340.00    | \$ 340.00    |
| 273  |           |          | SF-9423: Batch hopper 4 screw feeder, Type: Screw Feeder, Manufact       | EA   | 1        | 0%      | 1                      | 12.000          | \$ 42.50       | \$ 510.00    | \$ -      | \$ 510.00    | \$ 510.00    |
| 274  |           |          | SJ-9424: AC feed train 4 transport blower outlet silencer, Type: Silenc  | EA   | 1        | 0%      | 1                      | 2.000           | \$ 42.50       | \$ 85.00     | \$ -      | \$ 85.00     | \$ 85.00     |
| 275  |           |          | BL-9425: AC feed train 4 transport blower, Type: Blower, Manufactur      | EA   | 1        | 0%      | 1                      | 7.170           | \$ 42.50       | \$ 304.73    | \$ -      | \$ 304.73    | \$ 304.73    |
| 276  |           |          | EJ-9425: AC feed train 4 eductor, Type: Filter, Manufacturer: Fox Val    | EA   | 1        | 0%      | 1                      | 2.360           | \$ 42.50       | \$ 100.30    | \$ -      | \$ 100.30    | \$ 100.30    |
| 277  |           |          | FL-9425: AC feed train 4 transport blower inlet filter/silencer, Type: F | EA   | 1        | 0%      | 1                      | 3.000           | \$ 42.50       | \$ 127.50    | \$ -      | \$ 127.50    | \$ 127.50    |
| 278  |           |          | WE-9423A: AC feed train 4 loss in weight hopper A load cell, Type: V     | EA   | 1        | 0%      | 1                      | 1.250           | \$ 42.50       | \$ 53.13     | \$ -      | \$ 53.13     | \$ 53.13     |
| 279  |           |          | WE-9423B: AC feed train 4 loss in weight hopper B load cell, Type: V     | EA   | 1        | 0%      | 1                      | 1.250           | \$ 42.50       | \$ 53.13     | \$ -      | \$ 53.13     | \$ 53.13     |
| 280  |           |          | WE-9423C: AC feed train 4 loss in weight hopper C load cell, Type: V     | EA   | 1        | 0%      | 1                      | 1.250           | \$ 42.50       | \$ 53.13     | \$ -      | \$ 53.13     | \$ 53.13     |
| 281  |           |          | WE-9423D: AC feed train 4 loss in weight hopper D load cell, Type: V     | EA   | 1        | 0%      | 1                      | 1.250           | \$ 42.50       | \$ 53.13     | \$ -      | \$ 53.13     | \$ 53.13     |
| 282  |           |          | TW-1437: Baghouse inlet temperature thermowell, Type: Therm              | EA   | 1        | 0%      | 1                      | 1.100           | \$ 42.50       | \$ 46.75     | \$ -      | \$ 46.75     | \$ 46.75     |
| 283  |           |          | EJ-9368: Baghouse inlet expansion joint, Type: Expansion joint, Mani     | EA   | 1        | 0%      | 1                      | 3.000           | \$ 42.50       | \$ 127.50    | \$ -      | \$ 127.50    | \$ 127.50    |
| 284  |           |          | PV-9445: Air receiver, Type: Tank, Manufacturer: Samuel Pressure Va      | EA   | 1        | 0%      | 1                      | 9.000           | \$ 42.50       | \$ 382.50    | \$ -      | \$ 382.50    | \$ 382.50    |
| 285  |           |          | EJ-9377: Baghouse module 1 discharge expansion joint, Type: Expans       | EA   | 1        | 0%      | 1                      | 3.000           | \$ 42.50       | \$ 127.50    | \$ -      | \$ 127.50    | \$ 127.50    |
| 286  |           |          | SG-9377: Baghouse module 1 hopper discharge isolation gate, Type: S      | EA   | 1        | 0%      | 1                      | 2.250           | \$ 42.50       | \$ 95.63     | \$ -      | \$ 95.63     | \$ 95.63     |
| 287  |           |          | VBR-9378: Baghouse module 1 hopper vibrator, Type: Vibrator, Mani        | EA   | 1        | 0%      | 1                      | 1.050           | \$ 42.50       | \$ 44.63     | \$ -      | \$ 44.63     | \$ 44.63     |
| 288  |           |          | MBC-FFLT1D: Baghouse - module 1, Type: Baghouse, Manufacturer:           | EA   | 1        | 0%      | 1                      | 15.000          | \$ 42.50       | \$ 637.50    | \$ -      | \$ 637.50    | \$ 637.50    |
| 289  |           |          | EJ-9401: Baghouse - module 2 discharge expansion joint, Type: Expans     | EA   | 1        | 0%      | 1                      | 3.000           | \$ 42.50       | \$ 127.50    | \$ -      | \$ 127.50    | \$ 127.50    |
| 290  |           |          | SG-9401: Baghouse - module 2 hopper discharge isolation gate, Type:      | EA   | 1        | 0%      | 1                      | 2.250           | \$ 42.50       | \$ 95.63     | \$ -      | \$ 95.63     | \$ 95.63     |
| 291  |           |          | VBR-9402: Baghouse - module 2 hopper vibrator, Type: Vibrator, Ma        | EA   | 1        | 0%      | 1                      | 1.050           | \$ 42.50       | \$ 44.63     | \$ -      | \$ 44.63     | \$ 44.63     |
| 292  |           |          | MBC-FFLT2D: Baghouse - module 2, Type: Baghouse, Manufacturer:           | EA   | 1        | 0%      | 1                      | 15.000          | \$ 42.50       | \$ 637.50    | \$ -      | \$ 637.50    | \$ 637.50    |
| 293  |           |          | EJ-9385: Baghouse - module 3 discharge expansion joint, Type: Expans     | EA   | 1        | 0%      | 1                      | 3.000           | \$ 42.50       | \$ 127.50    | \$ -      | \$ 127.50    | \$ 127.50    |
| 294  |           |          | SG-9385: Baghouse - module 3 hopper discharge isolation gate, Type:      | EA   | 1        | 0%      | 1                      | 2.250           | \$ 42.50       | \$ 95.63     | \$ -      | \$ 95.63     | \$ 95.63     |
| 295  |           |          | VBR-9386: Baghouse - module 3 hopper vibrator, Type: Vibrator, Ma        | EA   | 1        | 0%      | 1                      | 1.050           | \$ 42.50       | \$ 44.63     | \$ -      | \$ 44.63     | \$ 44.63     |
| 296  |           |          | MBC-FFLT3D: Baghouse - module 3, Type: Baghouse, Manufacturer:           | EA   | 1        | 0%      | 1                      | 15.000          | \$ 42.50       | \$ 637.50    | \$ -      | \$ 637.50    | \$ 637.50    |
| 297  |           |          | EJ-9409: Baghouse - module 4 discharge expansion joint, Type: Expans     | EA   | 1        | 0%      | 1                      | 3.000           | \$ 42.50       | \$ 127.50    | \$ -      | \$ 127.50    | \$ 127.50    |
| 298  |           |          | SG-9409: Baghouse - module 4 hopper discharge isolation gate, Type:      | EA   | 1        | 0%      | 1                      | 2.250           | \$ 42.50       | \$ 95.63     | \$ -      | \$ 95.63     | \$ 95.63     |
| 299  |           |          | VBR-9410: Baghouse - module 4 hopper vibrator, Type: Vibrator, Ma        | EA   | 1        | 0%      | 1                      | 1.050           | \$ 42.50       | \$ 44.63     | \$ -      | \$ 44.63     | \$ 44.63     |
| 300  |           |          | MBC-FFLT4D: Baghouse - module 4, Type: Baghouse, Manufacturer:           | EA   | 1        | 0%      | 1                      | 15.000          | \$ 42.50       | \$ 637.50    | \$ -      | \$ 637.50    | \$ 637.50    |
| 301  |           |          | EJ-9393: Baghouse - module 5 discharge expansion joint, Type: Expans     | EA   | 1        | 0%      | 1                      | 3.000           | \$ 42.50       | \$ 127.50    | \$ -      | \$ 127.50    | \$ 127.50    |
| 302  |           |          | SG-9393: Baghouse - module 5 hopper discharge isolation gate, Type:      | EA   | 1        | 0%      | 1                      | 2.250           | \$ 42.50       | \$ 95.63     | \$ -      | \$ 95.63     | \$ 95.63     |
| 303  |           |          | VBR-9394: Baghouse - module 5 hopper vibrator, Type: Vibrator, Ma        | EA   | 1        | 0%      | 1                      | 1.050           | \$ 42.50       | \$ 44.63     | \$ -      | \$ 44.63     | \$ 44.63     |
| 304  |           |          | MBC-FFLT5D: Baghouse - module 5, Type: Baghouse, Manufacturer:           | EA   | 1        | 0%      | 1                      | 15.000          | \$ 42.50       | \$ 637.50    | \$ -      | \$ 637.50    | \$ 637.50    |
| 305  |           |          | EJ-9417: Baghouse - module 6 discharge expansion joint, Type: Expans     | EA   | 1        | 0%      | 1                      | 3.000           | \$ 42.50       | \$ 127.50    | \$ -      | \$ 127.50    | \$ 127.50    |
| 306  |           |          | SG-9417: Baghouse - module 6 hopper discharge isolation gate, Type:      | EA   | 1        | 0%      | 1</                    |                 |                |              |           |              |              |

**DETAILED BREAKDOWN OF ITEMS**

Prepared for: Covanta Pasco CDS J223048, Covanta Pasco, FL  
 Project ID:  
 Scope: Air Pollution Control Equipment Erection



Date: 14-May-25

| SR #    | Drawing # | Detail # | DESCRIPTION                                                            | UNIT | QUANTITY | WASTAGE | QUANTITY W/<br>WASTAGE | UNIT<br>MAN/ HOUR | HOURLY<br>WAGE | LABOR COST | MAT. COST | UNIT COST | SUB COST  |
|---------|-----------|----------|------------------------------------------------------------------------|------|----------|---------|------------------------|-------------------|----------------|------------|-----------|-----------|-----------|
| 311     |           |          | EJ-9421: System ID fan outlet duct to stack expansion joint, Type: Exp | EA   | 1        | 0%      | 1                      | 3.000             | \$ 42.50       | \$ 127.50  | \$ -      | \$ 127.50 | \$ 127.50 |
| 312     |           |          | EJ-9424: System ID fan outlet recirculation duct expansion joint, Type | EA   | 1        | 0%      | 1                      | 3.000             | \$ 42.50       | \$ 127.50  | \$ -      | \$ 127.50 | \$ 127.50 |
| 313     |           |          | MBC-FN1D: System ID fan, Type: Fan, Manufacturer: Howden, Mode         | EA   | 1        | 0%      | 1                      | 3.000             | \$ 42.50       | \$ 127.50  | \$ -      | \$ 127.50 | \$ 127.50 |
| 314     |           |          | MNR-9440: Monorail no. 1, Type: Monorail, Manufacturer: R&M, M         | EA   | 1        | 0%      | 1                      | 12.000            | \$ 42.50       | \$ 510.00  | \$ -      | \$ 510.00 | \$ 510.00 |
| 315     |           |          | MNR-9442: Monorail no. 2, Type: Monorail, Manufacturer: R&M, M         | EA   | 1        | 0%      | 1                      | 12.000            | \$ 42.50       | \$ 510.00  | \$ -      | \$ 510.00 | \$ 510.00 |
| 316     |           |          | M-9300: Lime transport blower no. 1 motor, Type: Motor, I/O Type: D    | EA   | 1        | 0%      | 1                      | 6.000             | \$ 42.50       | \$ 255.00  | \$ -      | \$ 255.00 | \$ 255.00 |
| 317     |           |          | M-9300: Lime transport blower no. 1 motor, Type: Motor, I/O Type: D    | EA   | 1        | 0%      | 1                      | 6.000             | \$ 42.50       | \$ 255.00  | \$ -      | \$ 255.00 | \$ 255.00 |
| 318     |           |          | M-9312: Silo skirt vent fan motor, Type: Motor, I/O Type: DO, DI, DI   | EA   | 1        | 0%      | 1                      | 6.500             | \$ 42.50       | \$ 276.25  | \$ -      | \$ 276.25 | \$ 276.25 |
| 319     |           |          | M-9318: Hydrated lime silo bin activator motor, Type: Motor, I/O Type  | EA   | 1        | 0%      | 1                      | 5.000             | \$ 42.50       | \$ 212.50  | \$ -      | \$ 212.50 | \$ 212.50 |
| 320     |           |          | M-9319: Hydrated lime rotary valve motor, Type: Motor, I/O Type: DO    | EA   | 1        | 0%      | 1                      | 5.000             | \$ 42.50       | \$ 212.50  | \$ -      | \$ 212.50 | \$ 212.50 |
| 321     |           |          | M-9321: Hydrated lime silo bin vent fan motor, Type: Motor, I/O Type   | EA   | 1        | 0%      | 1                      | 5.000             | \$ 42.50       | \$ 212.50  | \$ -      | \$ 212.50 | \$ 212.50 |
| 322     |           |          | M-9325: Hydrated lime gravimetric screw feeder A motor, Type: Moto     | EA   | 1        | 0%      | 1                      | 5.000             | \$ 42.50       | \$ 212.50  | \$ -      | \$ 212.50 | \$ 212.50 |
| 323     |           |          | M-9330: Hydrated lime gravimetric screw feeder B motor, Type: Moto     | EA   | 1        | 0%      | 1                      | 5.000             | \$ 42.50       | \$ 212.50  | \$ -      | \$ 212.50 | \$ 212.50 |
| 324     |           |          | M-9333: Recycle hopper A discharge screw motor, Type: Motor, I/O T     | EA   | 1        | 0%      | 1                      | 5.000             | \$ 42.50       | \$ 212.50  | \$ -      | \$ 212.50 | \$ 212.50 |
| 325     |           |          | M-9334: Recycled lime transport screw A motor, Type: Motor, I/O Typ    | EA   | 1        | 0%      | 1                      | 5.000             | \$ 42.50       | \$ 212.50  | \$ -      | \$ 212.50 | \$ 212.50 |
| 326     |           |          | M-9335: Waste transport screw motor, Type: Motor, I/O Type: DO, DI     | EA   | 1        | 0%      | 1                      | 5.000             | \$ 42.50       | \$ 212.50  | \$ -      | \$ 212.50 | \$ 212.50 |
| 327     |           |          | M-9337: Waste removal rotary valve A motor, Type: Motor, I/O Type:     | EA   | 1        | 0%      | 1                      | 5.000             | \$ 42.50       | \$ 212.50  | \$ -      | \$ 212.50 | \$ 212.50 |
| 328     |           |          | M-9339: Recycle hopper B discharge screw motor, Type: Motor, I/O T     | EA   | 1        | 0%      | 1                      | 5.000             | \$ 42.50       | \$ 212.50  | \$ -      | \$ 212.50 | \$ 212.50 |
| 329     |           |          | M-9340: Recycled lime transport screw B motor, Type: Motor, I/O Typ    | EA   | 1        | 0%      | 1                      | 5.000             | \$ 42.50       | \$ 212.50  | \$ -      | \$ 212.50 | \$ 212.50 |
| 330     |           |          | M-9341: Waste removal rotary valve B motor, Type: Motor, I/O Type:     | EA   | 1        | 0%      | 1                      | 5.000             | \$ 42.50       | \$ 212.50  | \$ -      | \$ 212.50 | \$ 212.50 |
| 331     |           |          | M-9347: Process water pump no. 1 motor, Type: Motor, I/O Type: DO,     | EA   | 1        | 0%      | 1                      | 5.000             | \$ 42.50       | \$ 212.50  | \$ -      | \$ 212.50 | \$ 212.50 |
| 332     |           |          | M-9348: Process water pump no. 2 motor, Type: Motor, I/O Type: DO,     | EA   | 1        | 0%      | 1                      | 5.000             | \$ 42.50       | \$ 212.50  | \$ -      | \$ 212.50 | \$ 212.50 |
| 333     |           |          | M-9352: Reaction tower/scrubber hopper waste screw motor, Type: M      | EA   | 1        | 0%      | 1                      | 5.000             | \$ 42.50       | \$ 212.50  | \$ -      | \$ 212.50 | \$ 212.50 |
| 334     |           |          | M-9353: Reaction tower/scrubber hopper rotary valve motor, Type: M     | EA   | 1        | 0%      | 1                      | 5.000             | \$ 42.50       | \$ 212.50  | \$ -      | \$ 212.50 | \$ 212.50 |
| 335     |           |          | M-9355: Reaction tower spray lance barrier air blower motor, Type: M   | EA   | 1        | 0%      | 1                      | 5.000             | \$ 42.50       | \$ 212.50  | \$ -      | \$ 212.50 | \$ 212.50 |
| 336     |           |          | M-9363: Activated Carbon silo bin vent fan motor, Type: Motor, I/O T   | EA   | 1        | 0%      | 1                      | 5.000             | \$ 42.50       | \$ 212.50  | \$ -      | \$ 212.50 | \$ 212.50 |
| 337     |           |          | M-9367: Silo skirt vent fan motor, Type: Motor, I/O Type: DO, DI, DI   | EA   | 1        | 0%      | 1                      | 5.000             | \$ 42.50       | \$ 212.50  | \$ -      | \$ 212.50 | \$ 212.50 |
| 338     |           |          | M-9346: AC feed train 1 rotary valve motor, Type: Motor, I/O Type: D   | EA   | 1        | 0%      | 1                      | 5.000             | \$ 42.50       | \$ 212.50  | \$ -      | \$ 212.50 | \$ 212.50 |
| 339     |           |          | M-9349: AC feed train 1 transport blower motor, Type: Motor, I/O Typ   | EA   | 1        | 0%      | 1                      | 5.000             | \$ 42.50       | \$ 212.50  | \$ -      | \$ 212.50 | \$ 212.50 |
| 340     |           |          | M-9437: Batch hopper 1 screw feeder motor, Type: Motor, I/O Type: I    | EA   | 1        | 0%      | 1                      | 5.000             | \$ 42.50       | \$ 212.50  | \$ -      | \$ 212.50 | \$ 212.50 |
| 341     |           |          | M-9432: AC feed train 2 rotary valve motor, Type: Motor, I/O Type: D   | EA   | 1        | 0%      | 1                      | 5.000             | \$ 42.50       | \$ 212.50  | \$ -      | \$ 212.50 | \$ 212.50 |
| 342     |           |          | M-9432: AC feed train 2 rotary valve motor, Type: Motor, I/O Type: D   | EA   | 1        | 0%      | 1                      | 5.000             | \$ 42.50       | \$ 212.50  | \$ -      | \$ 212.50 | \$ 212.50 |
| 343     |           |          | M-9435: AC feed train 2 transport blower motor, Type: Motor, I/O Typ   | EA   | 1        | 0%      | 1                      | 5.000             | \$ 42.50       | \$ 212.50  | \$ -      | \$ 212.50 | \$ 212.50 |
| 344     |           |          | M-9427: AC feed train 3 rotary valve motor, Type: Motor, I/O Type: D   | EA   | 1        | 0%      | 1                      | 5.000             | \$ 42.50       | \$ 212.50  | \$ -      | \$ 212.50 | \$ 212.50 |
| 345     |           |          | M-9428: Batch hopper 3 screw feeder motor, Type: Motor, I/O Type: I    | EA   | 1        | 0%      | 1                      | 5.000             | \$ 42.50       | \$ 212.50  | \$ -      | \$ 212.50 | \$ 212.50 |
| 346     |           |          | M-9430: AC feed train 3 transport blower motor, Type: Motor, I/O Typ   | EA   | 1        | 0%      | 1                      | 5.000             | \$ 42.50       | \$ 212.50  | \$ -      | \$ 212.50 | \$ 212.50 |
| 347     |           |          | M-9422: AC feed train 4 rotary valve motor, Type: Motor, I/O Type: D   | EA   | 1        | 0%      | 1                      | 5.000             | \$ 42.50       | \$ 212.50  | \$ -      | \$ 212.50 | \$ 212.50 |
| 348     |           |          | M-9423: Batch hopper 4 screw feeder motor, Type: Motor, I/O Type: I    | EA   | 1        | 0%      | 1                      | 5.000             | \$ 42.50       | \$ 212.50  | \$ -      | \$ 212.50 | \$ 212.50 |
| 349     |           |          | M-9425: AC feed train 4 transport blower motor, Type: Motor, I/O Typ   | EA   | 1        | 0%      | 1                      | 5.000             | \$ 42.50       | \$ 212.50  | \$ -      | \$ 212.50 | \$ 212.50 |
| 350     |           |          | M-FN1D: Type: Motor, I/O Type: DO,DL,DL, Control Voltage: 120V AC      | EA   | 1        | 0%      | 1                      | 5.750             | \$ 42.50       | \$ 244.38  | \$ -      | \$ 244.38 | \$ 244.38 |
| 351     |           |          | M-9440: Type: Motor, I/O Type: DO,DL,DL, Control Voltage: 120V AC      | EA   | 1        | 0%      | 1                      | 5.750             | \$ 42.50       | \$ 244.38  | \$ -      | \$ 244.38 | \$ 244.38 |
| 352     |           |          | M-9441: Type: Motor, I/O Type: DO,DL,DL, Control Voltage: 120V AC      | EA   | 1        | 0%      | 1                      | 5.750             | \$ 42.50       | \$ 244.38  | \$ -      | \$ 244.38 | \$ 244.38 |
| 353     |           |          | M-9442: Type: Motor, I/O Type: DO,DL,DL, Control Voltage: 120V AC      | EA   | 1        | 0%      | 1                      | 5.750             | \$ 42.50       | \$ 244.38  | \$ -      | \$ 244.38 | \$ 244.38 |
| 354     |           |          | M-9443: Type: Motor, I/O Type: DO,DL,DL, Control Voltage: 120V AC      | EA   | 1        | 0%      | 1                      | 5.750             | \$ 42.50       | \$ 244.38  | \$ -      | \$ 244.38 | \$ 244.38 |
| 355     |           |          | HTR-9336: Type: Heater, Description: Recycle hopper A heater, I/O T    | EA   | 1        | 0%      | 1                      | 7.600             | \$ 42.50       | \$ 323.00  | \$ -      | \$ 323.00 | \$ 323.00 |
| 356     |           |          | HTR-9338: Type: Heater, Description: Recycle hopper B heater, I/O T    | EA   | 1        | 0%      | 1                      | 7.600             | \$ 42.50       | \$ 323.00  | \$ -      | \$ 323.00 | \$ 323.00 |
| 357     |           |          | HTR-9352: Type: Heater, Description: Reaction tower/scrubber heater    | EA   | 1        | 0%      | 1                      | 7.600             | \$ 42.50       | \$ 323.00  | \$ -      | \$ 323.00 | \$ 323.00 |
| 358     |           |          | HTR-9378: Type: Heater, Description: Baghouse - module 1 hopper he     | EA   | 1        | 0%      | 1                      | 7.600             | \$ 42.50       | \$ 323.00  | \$ -      | \$ 323.00 | \$ 323.00 |
| 359     |           |          | HTR-9402: Type: Heater, Description: Baghouse - module 2 hopper he     | EA   | 1        | 0%      | 1                      | 7.600             | \$ 42.50       | \$ 323.00  | \$ -      | \$ 323.00 | \$ 323.00 |
| 360     |           |          | HTR-9386: Type: Heater, Description: Baghouse - module 3 hopper he     | EA   | 1        | 0%      | 1                      | 7.600             | \$ 42.50       | \$ 323.00  | \$ -      | \$ 323.00 | \$ 323.00 |
| 361     |           |          | HTR-9410: Type: Heater, Description: Baghouse - module 4 hopper he     | EA   | 1        | 0%      | 1                      | 7.600             | \$ 42.50       | \$ 323.00  | \$ -      | \$ 323.00 | \$ 323.00 |
| 362     |           |          | HTR-9394: Type: Heater, Description: Baghouse - module 5 hopper he     | EA   | 1        | 0%      | 1                      | 7.600             | \$ 42.50       | \$ 323.00  | \$ -      | \$ 323.00 | \$ 323.00 |
| 363     |           |          | HTR-9418: Type: Heater, Description: Baghouse - module 6 hopper he     | EA   | 1        | 0%      | 1                      | 7.600             | \$ 42.50       | \$ 323.00  | \$ -      | \$ 323.00 | \$ 323.00 |
| 364     |           |          | Outlet Manifold Assembly                                               | EA   | 1        | 0%      | 1                      | 2.650             | \$ 42.50       | \$ 112.63  | \$ -      | \$ 112.63 | \$ 112.63 |
| 365     |           |          | Inlet Manifold Assembly                                                | EA   | 1        | 0%      | 1                      | 2.650             | \$ 42.50       | \$ 112.63  | \$ -      | \$ 112.63 | \$ 112.63 |
| DEVICES |           |          |                                                                        |      |          |         |                        |                   |                |            |           |           |           |
| 366     |           |          | PDI-9301: Lime Transport Blower Inlet Filter Pressure Differential Gu  | EA   | 1        | 0%      | 1                      | 2.000             | \$ 42.50       | \$ 85.00   | \$ 71.08  | \$ 156.08 | \$ 156.08 |
| 367     |           |          | PDS-9301: Lime Transport Blower Inlet Filter Pressure Differential Sv  | EA   | 1        | 0%      | 1                      | 2.500             | \$ 42.50       | \$ 106.25  | \$ 760.98 | \$ 867.23 | \$ 867.23 |
| 368     |           |          | PI-9301: Lime Transport Blower Pressure Gauge, Type: Pressure Gau      | EA   | 1        | 0%      | 1                      | 0.850             | \$ 42.50       | \$ 36.13   | \$ 42.92  | \$ 79.05  | \$ 79.05  |
| 369     |           |          | PS-9301: Lime Transport Blower Outlet Pressure Switch (Low), Type:     | EA   | 1        | 0%      | 1                      | 2.500             | \$ 42.50       | \$ 106.25  | \$ 860.08 | \$ 966.33 | \$ 966.33 |
| 370     |           |          | ZSH-9302: Lime Transport Blower Flow Valve Position Switch (Open       | EA   | 1        | 0%      | 1                      | 0.850             | \$ 42.50       | \$ 36.13   | \$ 124.50 | \$ 160.63 | \$ 160.63 |
| 371     |           |          | ZSL-9302: Lime Transport Blower Flow Valve Position Switch (Close      | EA   | 1        | 0%      | 1                      | 0.850             | \$ 42.50       | \$ 36.13   | \$ 124.50 | \$ 160.63 | \$ 160.63 |
| 372     |           |          | YY-9302: Lime Transport Blower Flow Valve Solenoid, Type: Solenoi      | EA   | 1        | 0%      | 1                      | 1.000             | \$ 42.50       | \$ 42.50   | \$ 164.00 | \$ 206.50 | \$ 206.50 |
| 373     |           |          | PDI-9304: Spare Lime Transport Blower Inlet Filter Pressure Differen   | EA   | 1        | 0%      | 1                      | 2.000             | \$ 42.50       | \$ 85.00   | \$ 119.04 | \$ 204.04 | \$ 204.04 |
| 374     |           |          | PDS-9304: Spare Lime Transport Blower Inlet Filter Pressure Differen   | EA   | 1        | 0%      | 1                      | 2.000             | \$ 42.50       | \$ 85.00   | \$ 71.08  | \$ 156.08 | \$ 156.08 |
| 375     |           |          | PI-9304: Spare Lime Transport Blower Pressure Gauge, Type: Pressur     | EA   | 1        | 0%      | 1                      | 0.850             | \$ 42.50       | \$ 36.13   | \$ 42.92  | \$ 79.05  | \$ 79.05  |
| 376     |           |          | PS-9304: Spare Lime Transport Blower Outlet Pressure Switch (Low),     | EA   | 1        | 0%      | 1                      | 2.500             | \$ 42.50       | \$ 106.25  | \$ 760.98 | \$ 867.23 | \$ 867.23 |
| 377     |           |          | ZSH-9305: Spare Lime Transport Blower Flow Valve Position Switch       | EA   | 1        | 0%      | 1                      | 0.850             | \$ 42.50       | \$ 36.13   | \$ 124.50 | \$ 160.63 | \$ 160.63 |
| 378     |           |          | ZSL-9305: Spare Lime Transport Blower Flow Valve Position Switch       | EA   | 1        | 0%      | 1                      | 0.850             | \$ 42.50       | \$ 36.13   | \$ 124.50 | \$ 160.63 | \$ 160.63 |
| 379     |           |          | YY-9305: Spare Lime Transport Blower Flow Valve Solenoid, Type: S      | EA   | 1        | 0%      | 1                      | 1.000             | \$ 42.50       | \$ 42.50   | \$ 164.00 | \$ 206.50 | \$ 206.50 |
| 380     |           |          | HS-9307: Lime Silo Truck Unloading Panel Bin Vent Pulse Off-Auto I     | EA   | 1        | 0%      | 1                      | 1.000             | \$ 42.50       | \$ 42.50   | \$ 168.50 | \$ 211.00 | \$ 211.00 |
| 381     |           |          | PDI-9307: Hydrated Lime Silo Bin Vent Timer Card Pressure Module       | EA   | 1        | 0%      | 1                      | 1.500             | \$ 42.50       | \$ 63.75   | \$ 396.75 | \$ 460.50 | \$ 460.50 |
| 382     |           |          | PI-9307: Hydrated Lime Silo Bin Vent Compressed Air Pressure Gau       | EA   | 1        | 0%      | 1                      | 0.800             | \$ 42.50       | \$ 34.00   | \$ 120.00 | \$ 154.00 | \$ 154.00 |
| 383     |           |          | KC-9307: Hydrated Lime Silo Bin Vent Timer Card, Type: Timer Car       | EA   | 1        | 0%      | 1                      | 2.250             | \$ 42.50       | \$ 95.63   | \$ 516.97 | \$ 612.60 | \$ 612.60 |
| 384     |           |          | PI-9308: Hydrated Lime Silo Air sweeps Compressed Air Pressure Ga      | EA   | 1        | 0%      | 1                      | 0.800             | \$ 42.50       | \$ 34.00   | \$ 120.00 | \$ 154.00 | \$ 154.00 |
| 385     |           |          | YL-9309: Lime Silo Truck Unloading Panel "Hose Connected" Light,       | EA   | 1        | 0%      | 1                      | 1.260             | \$ 42.50       | \$ 53.55   | \$ 132.64 | \$ 186.19 | \$ 186.19 |
| 386     |           |          |                                                                        |      |          |         |                        |                   |                |            |           |           |           |

**DETAILED BREAKDOWN OF ITEMS**

Prepared for: Covanta Pasco CDS J223048, Covanta Pasco, FL  
 Project ID:  
 Scope: Air Pollution Control Equipment Erection



Date: 14-May-25

| SR # | Drawing #         | Detail #                                                              | DESCRIPTION | UNIT | QUANTITY | WASTAGE | QUANTITY W/<br>WASTAGE | UNIT<br>MANHOUR | HOURLY<br>WAGE | LABOR COST  | MAT. COST   | UNIT COST   | SUB COST |
|------|-------------------|-----------------------------------------------------------------------|-------------|------|----------|---------|------------------------|-----------------|----------------|-------------|-------------|-------------|----------|
| 404  |                   | YY-9324A: Hydrated Lime Diverter Valve No. 1 Solenoid A, Type: Se     | EA          | 1    | 0%       | 1       | 12.000                 | \$ 42.50        | \$ 510.00      | \$ 25.20    | \$ 535.20   | \$ 535.20   |          |
| 405  |                   | YY-9324B: Hydrated Lime Diverter Valve No. 1 Solenoid B, Type: Se     | EA          | 1    | 0%       | 1       | 12.000                 | \$ 42.50        | \$ 510.00      | \$ 25.20    | \$ 535.20   | \$ 535.20   |          |
| 406  |                   | LSH-9325: Hydrated Lime Loss in Weight Hopper A Level Switch Hig      | EA          | 1    | 0%       | 1       | 1.440                  | \$ 42.50        | \$ 61.20       | \$ 306.42   | \$ 367.62   | \$ 367.62   |          |
| 407  |                   | LSL-9325: Hydrated Lime Loss in Weight Hopper A Level Switch Low      | EA          | 1    | 0%       | 1       | 1.440                  | \$ 42.50        | \$ 61.20       | \$ 306.42   | \$ 367.62   | \$ 367.62   |          |
| 408  |                   | WIT-9325: Hydrated Lime Loss in Weight Hopper A Weight Transmit       | EA          | 1    | 0%       | 1       | 3.000                  | \$ 42.50        | \$ 127.50      | \$ 1,786.00 | \$ 1,913.50 | \$ 1,913.50 |          |
| 409  |                   | PI-9328: Compressed Air to Lime Loss in Weight Air sweeps Pressure    | EA          | 1    | 0%       | 1       | 0.800                  | \$ 42.50        | \$ 34.00       | \$ 120.00   | \$ 154.00   | \$ 154.00   |          |
| 410  |                   | ZSA-9329: Hydrated Lime Diverter Valve No. 2 Position Switch A, Ty    | EA          | 1    | 0%       | 1       | 12.000                 | \$ 42.50        | \$ 510.00      | \$ 125.00   | \$ 635.00   | \$ 635.00   |          |
| 411  |                   | ZSB-9329: Hydrated Lime Diverter Valve No. 2 Position Switch B, Ty    | EA          | 1    | 0%       | 1       | 12.000                 | \$ 42.50        | \$ 510.00      | \$ 125.00   | \$ 635.00   | \$ 635.00   |          |
| 412  |                   | LSH-9330: Hydrated Lime Loss in Weight Hopper B Level Switch Hig      | EA          | 1    | 0%       | 1       | 1.440                  | \$ 42.50        | \$ 61.20       | \$ 306.42   | \$ 367.62   | \$ 367.62   |          |
| 413  |                   | LSL-9330: Hydrated Lime Loss in Weight Hopper B Level Switch Low      | EA          | 1    | 0%       | 1       | 1.440                  | \$ 42.50        | \$ 61.20       | \$ 306.42   | \$ 367.62   | \$ 367.62   |          |
| 414  |                   | WIT-9330: Hydrated Lime Loss in Weight Hopper B Weight Transmit       | EA          | 1    | 0%       | 1       | 3.000                  | \$ 42.50        | \$ 127.50      | \$ 1,786.00 | \$ 1,913.50 | \$ 1,913.50 |          |
| 415  |                   | YY-9329A: Hydrated Lime Diverter Valve No. 2 Solenoid A, Type: Se     | EA          | 1    | 0%       | 1       | 12.000                 | \$ 42.50        | \$ 510.00      | \$ 25.20    | \$ 535.20   | \$ 535.20   |          |
| 416  |                   | YY-9329B: Hydrated Lime Diverter Valve No. 2 Solenoid B, Type: Se     | EA          | 1    | 0%       | 1       | 12.000                 | \$ 42.50        | \$ 510.00      | \$ 25.20    | \$ 535.20   | \$ 535.20   |          |
| 417  |                   | SSL-9333: Recycle Hopper A Discharge Screw Proximity Switch, Typ      | EA          | 1    | 0%       | 1       | 1.500                  | \$ 42.50        | \$ 63.75       | \$ 155.83   | \$ 219.58   | \$ 219.58   |          |
| 418  |                   | SSL-9334: Recycled Lime Transport Screw A Proximity Switch, Type      | EA          | 1    | 0%       | 1       | 3.500                  | \$ 42.50        | \$ 148.75      | \$ 916.00   | \$ 1,064.75 | \$ 1,064.75 |          |
| 419  |                   | LSH-9336: Recycle Hopper A Level Switch High, Type: Level Switch      | EA          | 1    | 0%       | 1       | 1.440                  | \$ 42.50        | \$ 61.20       | \$ 306.42   | \$ 367.62   | \$ 367.62   |          |
| 420  |                   | TS-9336: Recycle Hopper A Heater Temperature Switch, Type: Temper     | EA          | 1    | 0%       | 1       | 0.700                  | \$ 42.50        | \$ 29.75       | \$ 55.43    | \$ 85.18    | \$ 85.18    |          |
| 421  |                   | WIT-9336: Recycle Hopper A Weight Transmitter, Type: Weight Tran      | EA          | 1    | 0%       | 1       | 3.000                  | \$ 42.50        | \$ 127.50      | \$ 1,786.00 | \$ 1,913.50 | \$ 1,913.50 |          |
| 422  |                   | SSL-9337: Waste Removal Rotary Valve A Proximity Switch, Type: P      | EA          | 1    | 0%       | 1       | 3.000                  | \$ 42.50        | \$ 127.50      | \$ 518.00   | \$ 645.50   | \$ 645.50   |          |
| 423  |                   | SSL-9335: Waste Transport Screw Proximity Switch, Type: Proximity     | EA          | 1    | 0%       | 1       | 1.500                  | \$ 42.50        | \$ 63.75       | \$ 155.83   | \$ 219.58   | \$ 219.58   |          |
| 424  |                   | LSH-9338: Recycle Hopper B Level Switch High, Type: Level Switch      | EA          | 1    | 0%       | 1       | 1.440                  | \$ 42.50        | \$ 61.20       | \$ 306.42   | \$ 367.62   | \$ 367.62   |          |
| 425  |                   | TS-9338: Recycle Hopper B Heater Temperature Switch, Type: Temper     | EA          | 1    | 0%       | 1       | 0.700                  | \$ 42.50        | \$ 29.75       | \$ 55.43    | \$ 85.18    | \$ 85.18    |          |
| 426  |                   | WIT-9338: Recycle Hopper B Weight Transmitter, Type: Weight Tran      | EA          | 1    | 0%       | 1       | 3.000                  | \$ 42.50        | \$ 127.50      | \$ 1,786.00 | \$ 1,913.50 | \$ 1,913.50 |          |
| 427  |                   | SSL-9339: Recycle Hopper B Discharge Screw Proximity Switch, Typ      | EA          | 1    | 0%       | 1       | 1.500                  | \$ 42.50        | \$ 63.75       | \$ 155.83   | \$ 219.58   | \$ 219.58   |          |
| 428  |                   | SSL-9340: Recycled Lime Transport Screw B Proximity Switch, Type      | EA          | 1    | 0%       | 1       | 1.500                  | \$ 42.50        | \$ 63.75       | \$ 155.83   | \$ 219.58   | \$ 219.58   |          |
| 429  |                   | SSL-9341: Waste Removal Rotary Valve B Proximity Switch, Type: P      | EA          | 1    | 0%       | 1       | 3.500                  | \$ 42.50        | \$ 148.75      | \$ 916.00   | \$ 1,064.75 | \$ 1,064.75 |          |
| 430  |                   | FS-9445: Potable Water Flow Switch (Lime Silo), Type: Flow Switch     | EA          | 1    | 0%       | 1       | 3.660                  | \$ 42.50        | \$ 155.55      | \$ 719.65   | \$ 875.20   | \$ 875.20   |          |
| 431  |                   | FS-9446: Potable Water Flow Switch (Ash Injection at Reaction Towe    | EA          | 1    | 0%       | 1       | 3.660                  | \$ 42.50        | \$ 155.55      | \$ 719.65   | \$ 875.20   | \$ 875.20   |          |
| 432  |                   | FS-9447: Potable Water Flow Switch (Ash Injection at Reaction Towe    | EA          | 1    | 0%       | 1       | 3.660                  | \$ 42.50        | \$ 155.55      | \$ 719.65   | \$ 875.20   | \$ 875.20   |          |
| 433  |                   | FS-9447: Potable Water Flow Switch (Ash Injection at Reaction Towe    | EA          | 1    | 0%       | 1       | 3.660                  | \$ 42.50        | \$ 155.55      | \$ 719.65   | \$ 875.20   | \$ 875.20   |          |
| 434  |                   | LSH-9311: Process Water Tank Level Switch High, Type: Level Switch    | EA          | 1    | 0%       | 1       | 2.220                  | \$ 42.50        | \$ 94.35       | \$ 391.15   | \$ 485.50   | \$ 485.50   |          |
| 435  |                   | LSL-9311: Process Water Tank Level Switch Low, Type: Level Switch     | EA          | 1    | 0%       | 1       | 2.220                  | \$ 42.50        | \$ 94.35       | \$ 391.15   | \$ 485.50   | \$ 485.50   |          |
| 436  |                   | YY-9342: Water Supply to Process Water Tank Flow Control Valve F      | EA          | 1    | 0%       | 1       | 1.210                  | \$ 42.50        | \$ 51.43       | \$ 152.70   | \$ 204.13   | \$ 204.13   |          |
| 437  |                   | LT-9342: Water Supply to Process Water Tank Flow Control Valve F      | EA          | 1    | 0%       | 1       | 0.700                  | \$ 42.50        | \$ 29.75       | \$ 53.00    | \$ 82.75    | \$ 82.75    |          |
| 438  |                   | ZSH-9342: Water Supply to Process Water Tank Flow Control Valve F     | EA          | 1    | 0%       | 1       | 0.500                  | \$ 42.50        | \$ 21.25       | \$ 30.01    | \$ 51.26    | \$ 51.26    |          |
| 439  |                   | ZSL-9342: Water Supply to Process Water Tank Flow Control Valve F     | EA          | 1    | 0%       | 1       | 0.500                  | \$ 42.50        | \$ 21.25       | \$ 30.01    | \$ 51.26    | \$ 51.26    |          |
| 440  |                   | PDS-9343: Water Supply to Pump Skid Inlet Strainer Pressure Differ    | EA          | 1    | 0%       | 1       | 4.000                  | \$ 42.50        | \$ 170.00      | \$ 1,324.00 | \$ 1,494.00 | \$ 1,494.00 |          |
| 441  |                   | ZZ-9344: Compressed Air to Spray Lance Flow Control Valve Positio     | EA          | 1    | 0%       | 1       | 1.740                  | \$ 42.50        | \$ 73.95       | \$ 149.95   | \$ 223.90   | \$ 223.90   |          |
| 442  |                   | ZT-9344: Compressed Air to Spray Lance Flow Control Valve Positio     | EA          | 1    | 0%       | 1       | 1.740                  | \$ 42.50        | \$ 73.95       | \$ 149.95   | \$ 223.90   | \$ 223.90   |          |
| 443  |                   | PI-9344: Compressed Air to Spray Lance for Atomization Inlet Pressu   | EA          | 1    | 0%       | 1       | 1.600                  | \$ 42.50        | \$ 68.00       | \$ 103.89   | \$ 171.89   | \$ 171.89   |          |
| 444  |                   | PT-9345: Compressed Air to Spray Lance for Atomization Pitot w/ Dif   | EA          | 1    | 0%       | 1       | 2.200                  | \$ 42.50        | \$ 93.50       | \$ 196.00   | \$ 289.50   | \$ 289.50   |          |
| 445  |                   | PI-9345: Compressed Air to Spray Lance for Atomization Regulator O    | EA          | 1    | 0%       | 1       | 1.600                  | \$ 42.50        | \$ 68.00       | \$ 120.59   | \$ 188.59   | \$ 188.59   |          |
| 446  |                   | PT-9345: Compressed Air to Spray Lance for Atomization Inlet Pressu   | EA          | 1    | 0%       | 1       | 3.600                  | \$ 42.50        | \$ 153.00      | \$ 959.51   | \$ 1,112.51 | \$ 1,112.51 |          |
| 447  |                   | PI-9346: Compressed Air to Spray Lance for Atomization Pressure Ga    | EA          | 1    | 0%       | 1       | 1.600                  | \$ 42.50        | \$ 68.00       | \$ 120.59   | \$ 188.59   | \$ 188.59   |          |
| 448  |                   | PI-9347: Process Water Pump No. 1 Outlet Pressure Gauge, Type: Pres   | EA          | 1    | 0%       | 1       | 1.600                  | \$ 42.50        | \$ 68.00       | \$ 103.89   | \$ 171.89   | \$ 171.89   |          |
| 449  |                   | PI-9348: Process Water Pump No. 2 Outlet Pressure Gauge, Type: Pres   | EA          | 1    | 0%       | 1       | 1.600                  | \$ 42.50        | \$ 68.00       | \$ 103.89   | \$ 171.89   | \$ 171.89   |          |
| 450  |                   | PI-9349: Process Water from Pump Skid to Spray Lance Pressure Gau     | EA          | 1    | 0%       | 1       | 1.600                  | \$ 42.50        | \$ 68.00       | \$ 103.89   | \$ 171.89   | \$ 171.89   |          |
| 451  |                   | PI-9349: Process Water from Pump Skid to Spray Lance Pressure Tra     | EA          | 1    | 0%       | 1       | 3.600                  | \$ 42.50        | \$ 153.00      | \$ 959.51   | \$ 1,112.51 | \$ 1,112.51 |          |
| 452  |                   | FT-9350: Process Water from Pump Skid to Spray Lance Outlet Pressu    | EA          | 1    | 0%       | 1       | 6.000                  | \$ 42.50        | \$ 255.00      | \$ 4,001.00 | \$ 4,256.00 | \$ 4,256.00 |          |
| 453  |                   | ZZ-9350: Process Water from Pump Skid to Spray Lance Flow Control     | EA          | 1    | 0%       | 1       | 2.000                  | \$ 42.50        | \$ 85.00       | \$ 274.00   | \$ 359.00   | \$ 359.00   |          |
| 454  |                   | TT-9350: Process Water from Pump Skid to Spray Lance Flow Control     | EA          | 1    | 0%       | 1       | 4.170                  | \$ 42.50        | \$ 177.23      | \$ 670.00   | \$ 847.23   | \$ 847.23   |          |
| 455  |                   | PI-9350: Process Water from Pump Skid to Spray Lance Outlet Pressu    | EA          | 1    | 0%       | 1       | 1.600                  | \$ 42.50        | \$ 68.00       | \$ 103.89   | \$ 171.89   | \$ 171.89   |          |
| 456  |                   | LSH-9352: Reaction Tower/Scrubber Hopper Level Switch High, Type      | EA          | 1    | 0%       | 1       | 2.850                  | \$ 42.50        | \$ 121.13      | \$ 306.42   | \$ 427.55   | \$ 427.55   |          |
| 457  |                   | SSL-9352: Reaction Tower/Scrubber Hopper Waste Screw Zero Speed       | EA          | 1    | 0%       | 1       | 1.320                  | \$ 42.50        | \$ 56.10       | \$ 155.83   | \$ 211.93   | \$ 211.93   |          |
| 458  |                   | TS-9352: Reaction Tower/Scrubber Heater Temperature, Type: Temper     | EA          | 1    | 0%       | 1       | 0.700                  | \$ 42.50        | \$ 29.75       | \$ 80.00    | \$ 109.75   | \$ 109.75   |          |
| 459  |                   | SSL-9353: Reaction Tower/Scrubber Hopper Rotary Valve Zero Speed      | EA          | 1    | 0%       | 1       | 3.220                  | \$ 42.50        | \$ 136.85      | \$ 518.00   | \$ 654.85   | \$ 654.85   |          |
| 460  |                   | PDT-9354: Tower Differential Pressure Transmitter A, Type: Pressure   | EA          | 1    | 0%       | 1       | 6.400                  | \$ 42.50        | \$ 272.00      | \$ 3,961.46 | \$ 4,233.46 | \$ 4,233.46 |          |
| 461  |                   | PI-9355: Reaction Tower Spray Lance Barrier Air Pressure Gauge, Typ   | EA          | 1    | 0%       | 1       | 1.470                  | \$ 42.50        | \$ 62.48       | \$ 134.52   | \$ 197.00   | \$ 197.00   |          |
| 462  |                   | PI-9356: Compressed Air to Reaction Tower for Lance Pressure Indica   | EA          | 1    | 0%       | 1       | 1.600                  | \$ 42.50        | \$ 68.00       | \$ 120.59   | \$ 188.59   | \$ 188.59   |          |
| 463  |                   | PI-9357: Cooling Water to Reactor Lance Pressure Indicator, Type: Pre | EA          | 1    | 0%       | 1       | 1.600                  | \$ 42.50        | \$ 68.00       | \$ 103.89   | \$ 171.89   | \$ 171.89   |          |
| 464  |                   | PI-9358: Recirculating Gas Damper Compressed Air Regulator Pressu     | EA          | 1    | 0%       | 1       | 1.780                  | \$ 42.50        | \$ 75.65       | \$ 142.00   | \$ 217.65   | \$ 217.65   |          |
| 465  |                   | ZZ-9359: Recirculating Gas Damper Flow Relay, Type: Position Relay    | EA          | 1    | 0%       | 1       | 1.740                  | \$ 42.50        | \$ 73.95       | \$ 225.52   | \$ 299.47   | \$ 299.47   |          |
| 466  |                   | ZT-9359: Recirculating Gas Damper Position Transmitter, Type: Posit   | EA          | 1    | 0%       | 1       | 3.470                  | \$ 42.50        | \$ 147.48      | \$ 582.34   | \$ 729.82   | \$ 729.82   |          |
| 467  |                   | TTT-1411A: Process Gas Inlet Temperature Transmitter A, Type: Temp    | EA          | 1    | 0%       | 1       | 2.200                  | \$ 42.50        | \$ 93.50       | \$ 173.50   | \$ 267.00   | \$ 267.00   |          |
| 468  |                   | TE-1411A: Process Gas Inlet Temperature Element A, Type: Thermoc      | EA          | 1    | 0%       | 1       | 0.500                  | \$ 42.50        | \$ 21.25       | \$ 46.00    | \$ 67.25    | \$ 67.25    |          |
| 469  |                   | TTT-1411B: Process Gas Inlet Temperature Transmitter B, Type: Temp    | EA          | 1    | 0%       | 1       | 2.200                  | \$ 42.50        | \$ 93.50       | \$ 173.50   | \$ 267.00   | \$ 267.00   |          |
| 470  |                   | TE-1411B: Process Gas Inlet Temperature Element B, Type: Thermoc      | EA          | 1    | 0%       | 1       | 0.500                  | \$ 42.50        | \$ 21.25       | \$ 46.00    | \$ 67.25    | \$ 67.25    |          |
| 471  |                   | TTT-1411C: Process Gas Inlet Temperature Transmitter C, Type: Temp    | EA          | 1    | 0%       | 1       | 2.200                  | \$ 42.50        | \$ 93.50       | \$ 173.50   | \$ 267.00   | \$ 267.00   |          |
| 472  |                   | TE-1411C: Process Gas Inlet Temperature Element C, Type: Thermoc      | EA          | 1    | 0%       | 1       | 0.500                  | \$ 42.50        | \$ 21.25       | \$ 46.00    | \$ 67.25    | \$ 67.25    |          |
| 473  |                   | PIT-1416A: Process Gas Inlet Pressure Transmitter A, Type: Pressure   | EA          | 1    | 0%       | 1       | 4.850                  | \$ 42.50        | \$ 206.13      | \$ 3,820.15 | \$ 4,026.28 | \$ 4,026.28 |          |
| 474  |                   | PIT-1416B: Process Gas Inlet Pressure Transmitter B, Type: Pressure   | EA          | 1    | 0%       | 1       | 4.850                  | \$ 42.50        | \$ 206.13      | \$ 3,820.15 | \$ 4,026.28 | \$ 4,026.28 |          |
| 475  |                   | PIT-1416C: Process Gas Inlet Pressure Transmitter C, Type: Pressure   | EA          | 1    | 0%       | 1       | 4.850                  | \$ 42.50        | \$ 206.13      | \$ 3,820.15 | \$ 4,026.28 | \$ 4,026.28 |          |
| 476  | 223048-A-0001,    | TT-1635A: Process Gas Outlet Temperature Transmitter A, Type: Tem     | EA          | 1    | 0%       | 1       | 2.200                  | \$ 42.50        | \$ 93.50       | \$ 173.50   | \$ 267.00   | \$ 267.00   |          |
| 477  | 223048-1060-D01,  | TT-1635A: Process Gas Outlet Temperature Transmitter A, Type: Tem     | EA          | 1    | 0%       | 1       | 2.200                  | \$ 42.50        | \$ 93.50       | \$ 173.50   | \$ 267.00   | \$ 267.00   |          |
| 478  | 223048-1060-D02,  | TT-1635B: Process Gas Outlet Temperature Transmitter B, Type: Tem     | EA          | 1    | 0%       | 1       | 2.200                  | \$ 42.50        | \$ 93.50       | \$ 173.50   | \$ 267.00   | \$ 267.00   |          |
| 479  | 223048-1060-D03,  | TE-1635B: Process Gas Outlet Temperature Element B, Type: Therm       | EA          | 1    | 0%       | 1       | 0.500                  | \$ 42.50        | \$ 21.25       | \$ 46.00    | \$ 67.25    | \$ 67.25    |          |
| 480  | 223048-1060-D05,  | TT-1635C: Process Gas Outlet Temperature Transmitter C, Type: Tem     | EA          | 1    | 0%       | 1       | 2.200                  | \$ 42.50        | \$ 93.50       | \$ 173.50   | \$ 267.00   | \$ 267.00   |          |
| 481  | 223048-1060-D06,  | TE-1635C: Process Gas Outlet Temperature Element C, Type: Therm       | EA          | 1    | 0%       | 1       | 0.500                  | \$ 42.50        | \$ 21.25       | \$ 46.00    | \$ 67.25    | \$ 67.25    |          |
| 482  | 223048-1060-D07,  | HS-9361: Activated Carbon Silo Truck Unloading Panel Bin Vent Pul     | EA          | 1    | 0%       | 1       | 1.840                  | \$ 42.50        | \$ 78.20       | \$ 168.50   | \$ 246.70   | \$ 246.70   |          |
| 483  | 223048-1060-D08   | PDT-9361: Activated Carbon Silo Bin Vent Timer Card Pressure Mod      | EA          | 1    | 0%       | 1       | 2.740                  | \$ 42.50        | \$ 116.45      | \$ 396.75   | \$ 513.20   | \$ 513.20   |          |
| 484  | & 223048-1060-D09 | PI-9361: Activated Carbon Silo Bin Vent Compressed Air Pressure Ga    | EA          | 1    | 0%       | 1       | 1.600                  | \$ 42.50        | \$ 68.00       | \$ 120.59   | \$ 188.59   | \$ 188.59   |          |
| 485  |                   | KC-9361: Activated Carbon Silo Bin Vent Timer Card, Type: Timer C     | EA          | 1    | 0%       | 1       | 3.220                  | \$ 42.50        | \$ 136.85      | \$ 518.00   | \$ 654.85   | \$ 654.85   |          |
| 486  |                   | YS-9362: Activated Carbon Silo Truck Connection Camlock Adapter       | EA          | 1    | 0%       | 1       | 1.000                  | \$ 42.50        | \$ 42.50       | \$ 75.00    | \$ 117.50   | \$ 117.50   |          |
| 487  |                   | HS-9363: Activated Carbon Silo Truck Unloading Panel Fan Off-Auto     | EA          | 2    | 0%       | 2       | 1.840                  | \$ 42.50        | \$ 78.20       | \$ 168.50   | \$ 246.70   | \$ 493.40   |          |
| 488  |                   | LSH-9364: Activated Carbon Silo Level Switch High, Type: Level Swi    | EA          | 1    | 0%       | 1       | 2.000                  | \$ 42.50        | \$ 85.00       | \$ 175.00   | \$ 260.00   | \$ 260.00   |          |
| 489  |                   | LSL-9365: Activated Carbon Silo Level Switch Low, Type: Level Swi     | EA          | 1    | 0%       | 1       | 2.000                  | \$ 42.50        | \$ 85.00       | \$ 175.00   | \$ 260.00   | \$ 260.00   |          |
| 490  |                   | LSLL-9366: Activated Carbon Silo Level Switch Low-Low, Type: Lev      | EA          | 1    | 0%       | 1       | 2.000                  | \$ 42.50        | \$ 85.00       | \$ 175.00   | \$ 260.00   | \$ 260.00   |          |
| 491  |                   | LIT-9367: Activated Carbon Silo Level Transmitter, Type: Level Indica | EA          | 6    | 0%       | 6       | 2.000                  | \$ 42.50        | \$ 85.00       | \$ 447.00   | \$ 532.00   | \$ 3,192.00 |          |
| 492  |                   | PI-                                                                   |             |      |          |         |                        |                 |                |             |             |             |          |

**DETAILED BREAKDOWN OF ITEMS**

Prepared for: Covanta Pasco CDS J223048, Covanta Pasco, FL  
 Project ID:  
 Scope: Air Pollution Control Equipment Erection



Date: 14-May-25

| SR # | Drawing # | Detail # | DESCRIPTION                                                               | UNIT | QUANTITY | WASTAGE | QUANTITY W/<br>WASTAGE | UNIT<br>MANHOUR | HOURLY<br>WAGE | LABOR COST | MAT. COST   | UNIT COST   | SUB COST    |
|------|-----------|----------|---------------------------------------------------------------------------|------|----------|---------|------------------------|-----------------|----------------|------------|-------------|-------------|-------------|
| 498  |           |          | LSL-9436: AC feed train 1 loss in weight hopper level switch low, Typ     | EA   | 2        | 0%      | 2                      | 1.400           | \$ 42.50       | \$ 85.00   | \$ 325.00   | \$ 384.50   | \$ 769.00   |
| 499  |           |          | SSL-9436: AC feed train 1 rotary valve proximity switch, Type: Proxi      | EA   | 1        | 0%      | 1                      | 3.220           | \$ 42.50       | \$ 136.85  | \$ 518.00   | \$ 654.85   | \$ 654.85   |
| 500  |           |          | PS-9437: AC feed train 1 eductor pressure switch high, Type: Pressure     | EA   | 2        | 0%      | 2                      | 2.950           | \$ 42.50       | \$ 125.38  | \$ 1,155.00 | \$ 1,280.38 | \$ 2,560.75 |
| 501  |           |          | SSL-9437: Batch hopper 1 screw feeder proximity switch, Type: Proxi       | EA   | 1        | 0%      | 1                      | 2.400           | \$ 42.50       | \$ 102.00  | \$ 300.00   | \$ 402.00   | \$ 402.00   |
| 502  |           |          | WIT-9437: AC feed train 1 loss in weight hopper A weight transmitter      | EA   | 1        | 0%      | 1                      | 3.000           | \$ 42.50       | \$ 127.50  | \$ 1,786.00 | \$ 1,913.50 | \$ 1,913.50 |
| 503  |           |          | PI-9438: AC feed train 1 transport blower discharge pressure gauge, T     | EA   | 6        | 0%      | 6                      | 0.700           | \$ 42.50       | \$ 29.75   | \$ 45.00    | \$ 74.75    | \$ 448.50   |
| 504  |           |          | PS-9438: AC feed train 1 transport blower discharge pressure switch l     | EA   | 1        | 0%      | 1                      | 2.950           | \$ 42.50       | \$ 125.38  | \$ 1,155.00 | \$ 1,280.38 | \$ 1,280.38 |
| 505  |           |          | PDI-9439: AC feed train 1 transport blower inlet filter pressure differe  | EA   | 1        | 0%      | 1                      | 2.000           | \$ 42.50       | \$ 85.00   | \$ 119.04   | \$ 204.04   | \$ 204.04   |
| 506  |           |          | PDS-9439: AC feed train 1 transport blower inlet filter pressure differe  | EA   | 1        | 0%      | 1                      | 2.500           | \$ 42.50       | \$ 106.25  | \$ 459.10   | \$ 565.35   | \$ 565.35   |
| 507  |           |          | PI-9440: AC feed train 1 eductor discharge pressure gauge, Type: Press    | EA   | 1        | 0%      | 1                      | 1.000           | \$ 42.50       | \$ 42.50   | \$ 244.91   | \$ 287.41   | \$ 287.41   |
| 508  |           |          | PS-9440: AC feed train 1 eductor discharge pressure switch high, Type     | EA   | 1        | 0%      | 1                      | 2.950           | \$ 42.50       | \$ 125.38  | \$ 1,155.00 | \$ 1,280.38 | \$ 1,280.38 |
| 509  |           |          | LSH-9432: AC feed train 2 loss in weight hopper level switch high, Ty     | EA   | 1        | 0%      | 1                      | 1.400           | \$ 42.50       | \$ 59.50   | \$ 325.00   | \$ 384.50   | \$ 384.50   |
| 510  |           |          | LSL-9432: AC feed train 2 loss in weight hopper level switch low, Typ     | EA   | 2        | 0%      | 2                      | 1.400           | \$ 42.50       | \$ 59.50   | \$ 325.00   | \$ 384.50   | \$ 769.00   |
| 511  |           |          | SSL-9432: AC feed train 2 rotary valve proximity switch, Type: Proxi      | EA   | 1        | 0%      | 1                      | 3.220           | \$ 42.50       | \$ 136.85  | \$ 518.00   | \$ 654.85   | \$ 654.85   |
| 512  |           |          | PS-9433: AC feed train 2 eductor pressure switch high, Type: Pressure     | EA   | 1        | 0%      | 1                      | 2.950           | \$ 42.50       | \$ 125.38  | \$ 1,155.00 | \$ 1,280.38 | \$ 1,280.38 |
| 513  |           |          | SSL-9433: Batch hopper 2 screw feeder proximity switch, Type: Proxi       | EA   | 1        | 0%      | 1                      | 3.220           | \$ 42.50       | \$ 136.85  | \$ 518.00   | \$ 654.85   | \$ 654.85   |
| 514  |           |          | WIT-9433: AC feed train 2 loss in weight hopper A weight transmitter      | EA   | 1        | 0%      | 1                      | 3.000           | \$ 42.50       | \$ 127.50  | \$ 1,786.00 | \$ 1,913.50 | \$ 1,913.50 |
| 515  |           |          | PI-9434: AC feed train 2 transport blower discharge pressure gauge, T     | EA   | 1        | 0%      | 1                      | 0.700           | \$ 42.50       | \$ 29.75   | \$ 45.00    | \$ 74.75    | \$ 74.75    |
| 516  |           |          | PS-9434: AC feed train 2 transport blower discharge pressure switch l     | EA   | 1        | 0%      | 1                      | 2.950           | \$ 42.50       | \$ 125.38  | \$ 1,155.00 | \$ 1,280.38 | \$ 1,280.38 |
| 517  |           |          | PDI-9435: AC feed train 2 transport blower inlet filter pressure differe  | EA   | 1        | 0%      | 1                      | 2.000           | \$ 42.50       | \$ 85.00   | \$ 119.04   | \$ 204.04   | \$ 204.04   |
| 518  |           |          | PDS-9435: AC feed train 2 transport blower inlet filter pressure differe  | EA   | 1        | 0%      | 1                      | 2.500           | \$ 42.50       | \$ 106.25  | \$ 459.10   | \$ 565.35   | \$ 565.35   |
| 519  |           |          | PI-9436: AC feed train 2 eductor discharge pressure gauge, Type: Press    | EA   | 1        | 0%      | 1                      | 1.000           | \$ 42.50       | \$ 42.50   | \$ 244.91   | \$ 287.41   | \$ 287.41   |
| 520  |           |          | PS-9436: AC feed train 2 eductor discharge pressure switch high, Type     | EA   | 1        | 0%      | 1                      | 2.950           | \$ 42.50       | \$ 125.38  | \$ 1,155.00 | \$ 1,280.38 | \$ 1,280.38 |
| 521  |           |          | LSH-9427: AC feed train 3 loss in weight hopper level switch high, Ty     | EA   | 1        | 0%      | 1                      | 1.400           | \$ 42.50       | \$ 59.50   | \$ 325.00   | \$ 384.50   | \$ 384.50   |
| 522  |           |          | LSL-9427: AC feed train 3 loss in weight hopper level switch low, Typ     | EA   | 1        | 0%      | 1                      | 1.400           | \$ 42.50       | \$ 59.50   | \$ 325.00   | \$ 384.50   | \$ 384.50   |
| 523  |           |          | SSL-9427: AC feed train 3 rotary valve proximity switch, Type: Proxi      | EA   | 1        | 0%      | 1                      | 3.220           | \$ 42.50       | \$ 136.85  | \$ 518.00   | \$ 654.85   | \$ 654.85   |
| 524  |           |          | PS-9428: AC feed train 3 eductor pressure switch high, Type: Pressure     | EA   | 1        | 0%      | 1                      | 2.950           | \$ 42.50       | \$ 125.38  | \$ 1,155.00 | \$ 1,280.38 | \$ 1,280.38 |
| 525  |           |          | SSL-9428: Batch hopper 3 screw feeder proximity switch, Type: Proxi       | EA   | 1        | 0%      | 1                      | 3.220           | \$ 42.50       | \$ 136.85  | \$ 518.00   | \$ 654.85   | \$ 654.85   |
| 526  |           |          | WIT-9428: AC feed train 3 loss in weight hopper A weight transmitter      | EA   | 1        | 0%      | 1                      | 3.000           | \$ 42.50       | \$ 127.50  | \$ 1,786.00 | \$ 1,913.50 | \$ 1,913.50 |
| 527  |           |          | PI-9429: AC feed train 3 transport blower discharge pressure gauge, T     | EA   | 1        | 0%      | 1                      | 0.700           | \$ 42.50       | \$ 29.75   | \$ 45.00    | \$ 74.75    | \$ 74.75    |
| 528  |           |          | PS-9429: AC feed train 3 transport blower discharge pressure switch l     | EA   | 1        | 0%      | 1                      | 2.950           | \$ 42.50       | \$ 125.38  | \$ 1,155.00 | \$ 1,280.38 | \$ 1,280.38 |
| 529  |           |          | PDI-9430: AC feed train 3 transport blower inlet filter pressure differe  | EA   | 1        | 0%      | 1                      | 2.000           | \$ 42.50       | \$ 85.00   | \$ 119.04   | \$ 204.04   | \$ 204.04   |
| 530  |           |          | PDS-9430: AC feed train 3 transport blower inlet filter pressure differe  | EA   | 1        | 0%      | 1                      | 2.500           | \$ 42.50       | \$ 106.25  | \$ 459.10   | \$ 565.35   | \$ 565.35   |
| 531  |           |          | PI-9431: AC feed train 3 eductor discharge pressure gauge, Type: Press    | EA   | 1        | 0%      | 1                      | 1.000           | \$ 42.50       | \$ 42.50   | \$ 306.54   | \$ 349.04   | \$ 349.04   |
| 532  |           |          | PS-9431: AC feed train 3 eductor discharge pressure switch high, Type     | EA   | 1        | 0%      | 1                      | 2.950           | \$ 42.50       | \$ 125.38  | \$ 1,155.00 | \$ 1,280.38 | \$ 1,280.38 |
| 533  |           |          | LSH-9422: AC feed train 4 loss in weight hopper level switch high, Ty     | EA   | 1        | 0%      | 1                      | 1.400           | \$ 42.50       | \$ 59.50   | \$ 325.00   | \$ 384.50   | \$ 384.50   |
| 534  |           |          | LSL-9422: AC feed train 4 loss in weight hopper level switch low, Typ     | EA   | 1        | 0%      | 1                      | 1.400           | \$ 42.50       | \$ 59.50   | \$ 325.00   | \$ 384.50   | \$ 384.50   |
| 535  |           |          | SSL-9423: AC feed train 4 eductor pressure switch high, Type: Pressure    | EA   | 1        | 0%      | 1                      | 2.950           | \$ 42.50       | \$ 125.38  | \$ 1,155.00 | \$ 1,280.38 | \$ 1,280.38 |
| 536  |           |          | SSL-9422: AC feed train 4 rotary valve proximity switch, Type: Proxi      | EA   | 1        | 0%      | 1                      | 3.000           | \$ 42.50       | \$ 127.50  | \$ 1,786.00 | \$ 1,913.50 | \$ 1,913.50 |
| 537  |           |          | SSL-9423: Batch hopper 4 screw feeder proximity switch, Type: Proxi       | EA   | 1        | 0%      | 1                      | 3.220           | \$ 42.50       | \$ 136.85  | \$ 518.00   | \$ 654.85   | \$ 654.85   |
| 538  |           |          | WIT-9423: AC feed train 4 loss in weight hopper A weight transmitter      | EA   | 1        | 0%      | 1                      | 3.000           | \$ 42.50       | \$ 127.50  | \$ 1,786.00 | \$ 1,913.50 | \$ 1,913.50 |
| 539  |           |          | PI-9424: AC feed train 4 transport blower discharge pressure gauge, T     | EA   | 1        | 0%      | 1                      | 0.700           | \$ 42.50       | \$ 29.75   | \$ 45.00    | \$ 74.75    | \$ 74.75    |
| 540  |           |          | PS-9424: AC feed train 4 transport blower discharge pressure switch l     | EA   | 1        | 0%      | 1                      | 2.950           | \$ 42.50       | \$ 125.38  | \$ 1,155.00 | \$ 1,280.38 | \$ 1,280.38 |
| 541  |           |          | PDI-9425: AC feed train 4 transport blower inlet filter pressure differe  | EA   | 1        | 0%      | 1                      | 2.000           | \$ 42.50       | \$ 85.00   | \$ 119.04   | \$ 204.04   | \$ 204.04   |
| 542  |           |          | PDS-9425: AC feed train 4 transport blower inlet filter pressure differe  | EA   | 1        | 0%      | 1                      | 2.500           | \$ 42.50       | \$ 106.25  | \$ 459.10   | \$ 565.35   | \$ 565.35   |
| 543  |           |          | PI-9426: AC feed train 4 eductor discharge pressure gauge, Type: Press    | EA   | 1        | 0%      | 1                      | 1.000           | \$ 42.50       | \$ 42.50   | \$ 244.91   | \$ 287.41   | \$ 287.41   |
| 544  |           |          | PS-9426: AC feed train 4 eductor discharge pressure switch high, Type     | EA   | 1        | 0%      | 1                      | 2.950           | \$ 42.50       | \$ 125.38  | \$ 1,155.00 | \$ 1,280.38 | \$ 1,280.38 |
| 545  |           |          | PIIT-1432: Fabric filter system inlet pressure transmitter, Type: Pressu  | EA   | 1        | 0%      | 1                      | 4.850           | \$ 42.50       | \$ 206.13  | \$ 3,820.15 | \$ 4,026.28 | \$ 4,026.28 |
| 546  |           |          | PIIT-1436: Fabric filter system outlet pressure transmitter, Type: Pressu | EA   | 1        | 0%      | 1                      | 4.850           | \$ 42.50       | \$ 206.13  | \$ 3,820.15 | \$ 4,026.28 | \$ 4,026.28 |
| 547  |           |          | TIIT-1437: Fabric filter system outlet temperature transmitter, Type: Te  | EA   | 1        | 0%      | 1                      | 4.400           | \$ 42.50       | \$ 187.00  | \$ 595.00   | \$ 782.00   | \$ 782.00   |
| 548  |           |          | TE-1437: Baghouse system outlet thermocouple, Type: Thermocouple,         | EA   | 1        | 0%      | 1                      | 0.500           | \$ 42.50       | \$ 21.25   | \$ 46.00    | \$ 67.25    | \$ 67.25    |
| 549  |           |          | PS-1441: Fabric filter system outlet pressure switch, Type: Pressure Sw   | EA   | 1        | 0%      | 1                      | 2.950           | \$ 42.50       | \$ 125.38  | \$ 1,155.00 | \$ 1,280.38 | \$ 1,280.38 |
| 550  |           |          | PDIIT-1638: Fabric filter system outlet flow measurement - pitot tube a   | EA   | 1        | 0%      | 1                      | 5.500           | \$ 42.50       | \$ 233.75  | \$ 4,426.26 | \$ 4,660.01 | \$ 4,660.01 |
| 551  |           |          | PDIIT-9369: Fabric filter system differential pressure transmitter, Type  | EA   | 1        | 0%      | 1                      | 5.500           | \$ 42.50       | \$ 233.75  | \$ 4,426.26 | \$ 4,660.01 | \$ 4,660.01 |
| 552  |           |          | PIIT-9445: Common pulse air supply pressure transmitter, Type: Pressu     | EA   | 1        | 0%      | 1                      | 4.850           | \$ 42.50       | \$ 206.13  | \$ 3,820.15 | \$ 4,026.28 | \$ 4,026.28 |
| 553  |           |          | PI-9445: Air receiver pressure gauge, Type: Pressure Indicator, IO Typ    | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 85.00    | \$ 121.13   | \$ 121.13   |
| 554  |           |          | YY-9445: Common pulse air supply solenoid, Type: Solenoid, IO Typ         | EA   | 1        | 0%      | 1                      | 1.500           | \$ 42.50       | \$ 63.75   | \$ 227.00   | \$ 290.75   | \$ 290.75   |
| 555  |           |          | YY-9445A: Air receiver drain line solenoid, Type: Solenoid, IO Typ        | EA   | 1        | 0%      | 1                      | 1.500           | \$ 42.50       | \$ 63.75   | \$ 227.00   | \$ 290.75   | \$ 290.75   |
| 556  |           |          | PDI-9371: Fabric filter module 1 timer card pressure module, Type: P      | EA   | 1        | 0%      | 1                      | 3.500           | \$ 42.50       | \$ 148.75  | \$ 396.75   | \$ 545.50   | \$ 545.50   |
| 557  |           |          | PI-9371: Baghouse - module 1 pulse header compressed air pressure g       | EA   | 1        | 0%      | 1                      | 4.000           | \$ 42.50       | \$ 170.00  | \$ 338.00   | \$ 508.00   | \$ 508.00   |
| 558  |           |          | PS-9371: Fabric filter module 1 pulse header pressure switch low, Typ     | EA   | 1        | 0%      | 1                      | 2.950           | \$ 42.50       | \$ 125.38  | \$ 1,155.00 | \$ 1,280.38 | \$ 1,280.38 |
| 559  |           |          | KC-9371: Fabric filter module 1 timer card, Type: Timer Card and Rel      | EA   | 1        | 0%      | 1                      | 4.170           | \$ 42.50       | \$ 177.23  | \$ 510.57   | \$ 687.80   | \$ 687.80   |
| 560  |           |          | AIT-9372: Fabric filter module 1 broken bag detector, Type: Analyzer      | EA   | 1        | 0%      | 1                      | 1.000           | \$ 42.50       | \$ 42.50   | \$ 21.98    | \$ 64.48    | \$ 64.48    |
| 561  |           |          | ZSH-9373: Fabric filter module 1 outlet damper position switch open,      | EA   | 1        | 0%      | 1                      | 0.740           | \$ 42.50       | \$ 31.45   | \$ 94.00    | \$ 125.45   | \$ 125.45   |
| 562  |           |          | ZSL-9373: Fabric filter module 1 outlet damper position switch closed     | EA   | 2        | 0%      | 2                      | 0.740           | \$ 42.50       | \$ 31.45   | \$ 94.00    | \$ 125.45   | \$ 250.90   |
| 563  |           |          | YY-9373: Fabric filter module 1 outlet damper solenoid, Type: Soleno      | EA   | 1        | 0%      | 1                      | 1.500           | \$ 42.50       | \$ 63.75   | \$ 227.00   | \$ 290.75   | \$ 290.75   |
| 564  |           |          | ZSH-9374: Fabric filter module 1 inlet damper position switch open, T     | EA   | 1        | 0%      | 1                      | 0.800           | \$ 42.50       | \$ 34.00   | \$ 59.80    | \$ 93.80    | \$ 93.80    |
| 565  |           |          | ZSL-9374: Fabric filter module 1 inlet damper position switch closed,     | EA   | 1        | 0%      | 1                      | 0.800           | \$ 42.50       | \$ 34.00   | \$ 59.80    | \$ 93.80    | \$ 93.80    |
| 566  |           |          | YY-9374: Fabric filter module 1 inlet damper solenoid, Type: Solenoi      | EA   | 6        | 0%      | 6                      | 1.500           | \$ 42.50       | \$ 63.75   | \$ 227.00   | \$ 290.75   | \$ 1,744.50 |
| 567  |           |          | LSHH-9375: Fabric filter module 1 hopper level switch high-high, Typ      | EA   | 1        | 0%      | 1                      | 3.850           | \$ 42.50       | \$ 163.63  | \$ 744.00   | \$ 907.63   | \$ 907.63   |
| 568  |           |          | LSH-9376: Fabric filter module 1 hopper level switch high, Type: Lev      | EA   | 3        | 0%      | 3                      | 3.850           | \$ 42.50       | \$ 163.63  | \$ 744.00   | \$ 907.63   | \$ 2,722.88 |
| 569  |           |          | YY-9378: Fabric filter module 1 hopper vibrator solenoid, Type: Solen     | EA   | 1        | 0%      | 1                      | 1.500           | \$ 42.50       | \$ 63.75   | \$ 227.00   | \$ 290.75   | \$ 290.75   |
| 570  |           |          | TS-9378: Fabric filter module 1 hopper heater temperature switch, Typ     | EA   | 1        | 0%      | 1                      | 1.400           | \$ 42.50       | \$ 59.50   | \$ 119.04   | \$ 178.54   | \$ 178.54   |
| 571  |           |          | PI-9371A: Baghouse - module 1 pulse header pressure gauge, Type: Pr       | EA   | 2        | 0%      | 2                      | 2.360           | \$ 42.50       | \$ 100.30  | \$ 258.00   | \$ 358.30   | \$ 716.60   |
| 572  |           |          | PDI-9395: Fabric filter module 2 timer card pressure module, Type: P      | EA   | 6        | 0%      | 6                      | 3.500           | \$ 42.50       | \$ 148.75  | \$ 396.75   | \$ 545.50   | \$ 3,273.00 |
| 573  |           |          | PI-9395: Baghouse - module 2 pulse header compressed air pressure g       | EA   | 2        | 0%      | 2                      | 3.410           | \$ 42.50       | \$ 144.93  | \$ 303.99   | \$ 448.92   | \$ 897.83   |
| 574  |           |          | PS-9395: Fabric filter module 2 pulse header pressure switch low, Typ     | EA   | 1        | 0%      | 1                      | 2.950           | \$ 42.50       | \$ 125.38  | \$ 1,155.00 | \$ 1,280.38 | \$ 1,280.38 |
| 575  |           |          | KC-9395: Fabric filter module 2 timer card, Type: Timer Card and Rel      | EA   | 2        | 0%      | 2                      | 4.050           | \$ 42.50       | \$ 172.13  | \$ 516.97   | \$ 689.10   | \$ 1,378.19 |
| 576  |           |          | AIT-9396: Fabric filter module 2 broken bag detector, Type: Analyzer      | EA   | 1        | 0%      | 1                      | 5.000           | \$ 42.50       | \$ 212.50  | \$ 549.00   | \$ 761.50   | \$ 761.50   |
| 577  |           |          | ZSH-9397: Fabric filter module 2 outlet damper position switch open,      | EA   | 1        | 0%      | 1                      | 0.800           | \$ 42.50       | \$ 34.00   | \$ 59.80    | \$ 93.80    | \$ 93.80    |
| 578  |           |          | ZSL-9397: Fabric filter module 2 outlet damper position switch closed     | EA   | 6        | 0%      | 6                      | 0.800           | \$ 42.50       | \$ 34.00   | \$ 59.80    | \$ 93.80    | \$ 562.80   |
| 579  |           |          | YY-9397: Fabric filter module 2 outlet damper solenoid, Type: Soleno      | EA   | 1        | 0%      | 1                      | 1.500           | \$ 42.50       | \$ 63.75   | \$ 227.00   | \$ 290.75   | \$ 290.75   |
| 580  |           |          | ZSH-9398: Fabric filter module 2 inlet damper position switch open, T     | EA   | 1        | 0%      | 1                      | 0.800           | \$ 42.50       | \$ 34.00   | \$ 59.80    | \$ 93.80    | \$ 93.80    |
| 581  |           |          | ZSL-9398: Fabric filter module 2 inlet damper position switch closed,     | EA   | 1        | 0%      | 1                      | 0.800           | \$ 42.50       | \$ 34.00   | \$ 59.80    | \$ 93.80    | \$ 93.80    |
| 582  |           |          | YY-9398: Fabric filter module 2 inlet damper solenoid, Type: Solenoi      | EA   | 1        | 0%      | 1                      | 1.500           | \$ 42.50       | \$ 63.75   | \$ 227.00   | \$ 290.75   | \$ 290.75   |
| 583  |           |          | LSHH-9399: Fabric filter module 2 hopper level switch high-high, Typ      | EA   | 1        | 0%      | 1                      | 3.850           | \$ 42.5        |            |             |             |             |

**DETAILED BREAKDOWN OF ITEMS**

Prepared for: Covanta Pasco CDS J223048, Covanta Pasco, FL  
 Project ID:  
 Scope: Air Pollution Control Equipment Erection



Date: 14-May-25

| SR # | Drawing # | Detail #                                                                                            | DESCRIPTION | UNIT | QUANTITY | WASTAGE | QUANTITY W/<br>WASTAGE | UNIT<br>MANHOUR | HOURLY<br>WAGE | LABOR COST  | MAT. COST   | UNIT COST   | SUB COST |
|------|-----------|-----------------------------------------------------------------------------------------------------|-------------|------|----------|---------|------------------------|-----------------|----------------|-------------|-------------|-------------|----------|
| 592  |           | AIT-9380: Fabric filter module 3 broken bag detector, Type: Analyzer                                | EA          | 1    | 0%       | 1       | 5.000                  | \$ 42.50        | \$ 212.50      | \$ 549.00   | \$ 761.50   | \$ 761.50   |          |
| 593  |           | ZSH-9381: Fabric filter module 3 outlet damper position switch open, Type: Solenoid                 | EA          | 1    | 0%       | 1       | 0.800                  | \$ 42.50        | \$ 34.00       | \$ 59.80    | \$ 93.80    | \$ 93.80    |          |
| 594  |           | ZSL-9381: Fabric filter module 3 outlet damper position switch closed, Type: Solenoid               | EA          | 1    | 0%       | 1       | 0.800                  | \$ 42.50        | \$ 34.00       | \$ 59.80    | \$ 93.80    | \$ 93.80    |          |
| 595  |           | YY-9381: Fabric filter module 3 outlet damper solenoid, Type: Solenoid                              | EA          | 1    | 0%       | 1       | 1.500                  | \$ 42.50        | \$ 63.75       | \$ 227.00   | \$ 290.75   | \$ 290.75   |          |
| 596  |           | ZSH-9382: Fabric filter module 3 inlet damper position switch open, Type: Solenoid                  | EA          | 1    | 0%       | 1       | 0.800                  | \$ 42.50        | \$ 34.00       | \$ 59.80    | \$ 93.80    | \$ 93.80    |          |
| 597  |           | ZSL-9382: Fabric filter module 3 inlet damper position switch closed, Type: Solenoid                | EA          | 1    | 0%       | 1       | 0.800                  | \$ 42.50        | \$ 34.00       | \$ 59.80    | \$ 93.80    | \$ 93.80    |          |
| 598  |           | YY-9382: Fabric filter module 3 inlet damper solenoid, Type: Solenoid                               | EA          | 1    | 0%       | 1       | 1.500                  | \$ 42.50        | \$ 63.75       | \$ 227.00   | \$ 290.75   | \$ 290.75   |          |
| 599  |           | LSHH-9383: Fabric filter module 3 hopper level switch high-high, Type: Level Switch                 | EA          | 1    | 0%       | 1       | 3.850                  | \$ 42.50        | \$ 163.63      | \$ 744.00   | \$ 907.63   | \$ 907.63   |          |
| 600  |           | LSH-9384: Fabric filter module 3 hopper level switch high, Type: Level Switch                       | EA          | 1    | 0%       | 1       | 3.850                  | \$ 42.50        | \$ 163.63      | \$ 744.00   | \$ 907.63   | \$ 907.63   |          |
| 601  |           | YY-9386: Fabric filter module 3 hopper vibrator solenoid, Type: Solenoid                            | EA          | 1    | 0%       | 1       | 1.500                  | \$ 42.50        | \$ 63.75       | \$ 227.00   | \$ 290.75   | \$ 290.75   |          |
| 602  |           | TS-9386: Fabric filter module 3 hopper heater temperature switch, Type: Temperature Switch          | EA          | 1    | 0%       | 1       | 1.470                  | \$ 42.50        | \$ 62.48       | \$ 119.04   | \$ 181.52   | \$ 181.52   |          |
| 603  |           | PI-9379A: Baghouse - module 3 pulse header pressure gauge, Type: Pressure Gauge                     | EA          | 1    | 0%       | 1       | 3.130                  | \$ 42.50        | \$ 133.03      | \$ 338.00   | \$ 471.03   | \$ 471.03   |          |
| 604  |           | PDT-9403: Fabric filter module 4 timer card pressure module, Type: Pressure Module                  | EA          | 1    | 0%       | 1       | 3.500                  | \$ 42.50        | \$ 148.75      | \$ 396.75   | \$ 545.50   | \$ 545.50   |          |
| 605  |           | PI-9403: Baghouse - module 4 pulse header compressed air pressure gauge, Type: Pressure Gauge       | EA          | 1    | 0%       | 1       | 3.410                  | \$ 42.50        | \$ 144.93      | \$ 303.99   | \$ 448.92   | \$ 448.92   |          |
| 606  |           | PS-9403: Fabric filter module 4 pulse header pressure switch low, Type: Pressure Switch             | EA          | 1    | 0%       | 1       | 2.950                  | \$ 42.50        | \$ 125.38      | \$ 1,155.00 | \$ 1,280.38 | \$ 1,280.38 |          |
| 607  |           | KC-9403: Fabric filter module 4 timer card, Type: Timer Card and Relay                              | EA          | 1    | 0%       | 1       | 4.050                  | \$ 42.50        | \$ 172.13      | \$ 516.97   | \$ 689.10   | \$ 689.10   |          |
| 608  |           | AIT-9404: Fabric filter module 4 broken bag detector, Type: Analyzer                                | EA          | 1    | 0%       | 1       | 5.000                  | \$ 42.50        | \$ 212.50      | \$ 549.00   | \$ 761.50   | \$ 761.50   |          |
| 609  |           | ZSH-9405: Fabric filter module 4 outlet damper position switch open, Type: Solenoid                 | EA          | 1    | 0%       | 1       | 0.800                  | \$ 42.50        | \$ 34.00       | \$ 59.80    | \$ 93.80    | \$ 93.80    |          |
| 610  |           | ZSL-9405: Fabric filter module 4 outlet damper position switch closed, Type: Solenoid               | EA          | 1    | 0%       | 1       | 0.800                  | \$ 42.50        | \$ 34.00       | \$ 59.80    | \$ 93.80    | \$ 93.80    |          |
| 611  |           | YY-9405: Fabric filter module 4 outlet damper solenoid, Type: Solenoid                              | EA          | 1    | 0%       | 1       | 1.500                  | \$ 42.50        | \$ 63.75       | \$ 227.00   | \$ 290.75   | \$ 290.75   |          |
| 612  |           | ZSH-9406: Fabric filter module 4 inlet damper position switch open, Type: Solenoid                  | EA          | 1    | 0%       | 1       | 0.800                  | \$ 42.50        | \$ 34.00       | \$ 59.80    | \$ 93.80    | \$ 93.80    |          |
| 613  |           | ZSL-9406: Fabric filter module 4 inlet damper position switch closed, Type: Solenoid                | EA          | 1    | 0%       | 1       | 0.800                  | \$ 42.50        | \$ 34.00       | \$ 59.80    | \$ 93.80    | \$ 93.80    |          |
| 614  |           | YY-9406: Fabric filter module 4 inlet damper solenoid, Type: Solenoid                               | EA          | 1    | 0%       | 1       | 1.500                  | \$ 42.50        | \$ 63.75       | \$ 227.00   | \$ 290.75   | \$ 290.75   |          |
| 615  |           | LSHH-9407: Fabric filter module 4 hopper level switch high-high, Type: Level Switch                 | EA          | 1    | 0%       | 1       | 3.850                  | \$ 42.50        | \$ 163.63      | \$ 744.00   | \$ 907.63   | \$ 907.63   |          |
| 616  |           | LSH-9408: Fabric filter module 4 hopper level switch high, Type: Level Switch                       | EA          | 1    | 0%       | 1       | 3.850                  | \$ 42.50        | \$ 163.63      | \$ 744.00   | \$ 907.63   | \$ 907.63   |          |
| 617  |           | YY-9410: Fabric filter module 4 hopper vibrator solenoid, Type: Solenoid                            | EA          | 1    | 0%       | 1       | 1.500                  | \$ 42.50        | \$ 63.75       | \$ 227.00   | \$ 290.75   | \$ 290.75   |          |
| 618  |           | TS-9410: Fabric filter module 4 hopper heater temperature switch, Type: Temperature Switch          | EA          | 1    | 0%       | 1       | 1.470                  | \$ 42.50        | \$ 62.48       | \$ 119.04   | \$ 181.52   | \$ 181.52   |          |
| 619  |           | PI-9403A: Baghouse - module 4 pulse header pressure gauge, Type: Pressure Gauge                     | EA          | 1    | 0%       | 1       | 3.130                  | \$ 42.50        | \$ 133.03      | \$ 338.00   | \$ 471.03   | \$ 471.03   |          |
| 620  |           | PDT-9387: Fabric filter module 5 timer card pressure module, Type: Pressure Module                  | EA          | 1    | 0%       | 1       | 3.500                  | \$ 42.50        | \$ 148.75      | \$ 396.75   | \$ 545.50   | \$ 545.50   |          |
| 621  |           | PI-9387: Baghouse - module 5 pulse header compressed air pressure gauge, Type: Pressure Gauge       | EA          | 1    | 0%       | 1       | 3.410                  | \$ 42.50        | \$ 144.93      | \$ 303.99   | \$ 448.92   | \$ 448.92   |          |
| 622  |           | PS-9387: Fabric filter module 5 pulse header pressure switch low, Type: Pressure Switch             | EA          | 1    | 0%       | 1       | 2.950                  | \$ 42.50        | \$ 125.38      | \$ 1,155.00 | \$ 1,280.38 | \$ 1,280.38 |          |
| 623  |           | KC-9387: Fabric filter module 5 timer card, Type: Timer Card and Relay                              | EA          | 1    | 0%       | 1       | 4.050                  | \$ 42.50        | \$ 172.13      | \$ 516.97   | \$ 689.10   | \$ 689.10   |          |
| 624  |           | AIT-9388: Fabric filter module 5 broken bag detector, Type: Analyzer                                | EA          | 1    | 0%       | 1       | 5.000                  | \$ 42.50        | \$ 212.50      | \$ 549.00   | \$ 761.50   | \$ 761.50   |          |
| 625  |           | ZSH-9389: Fabric filter module 5 outlet damper position switch open, Type: Solenoid                 | EA          | 1    | 0%       | 1       | 0.800                  | \$ 42.50        | \$ 34.00       | \$ 59.80    | \$ 93.80    | \$ 93.80    |          |
| 626  |           | ZSL-9389: Fabric filter module 5 outlet damper position switch closed, Type: Solenoid               | EA          | 1    | 0%       | 1       | 0.800                  | \$ 42.50        | \$ 34.00       | \$ 59.80    | \$ 93.80    | \$ 93.80    |          |
| 627  |           | YY-9389: Fabric filter module 5 outlet damper solenoid, Type: Solenoid                              | EA          | 1    | 0%       | 1       | 1.500                  | \$ 42.50        | \$ 63.75       | \$ 227.00   | \$ 290.75   | \$ 290.75   |          |
| 628  |           | ZSH-9390: Fabric filter module 5 inlet damper position switch open, Type: Solenoid                  | EA          | 1    | 0%       | 1       | 0.800                  | \$ 42.50        | \$ 34.00       | \$ 59.80    | \$ 93.80    | \$ 93.80    |          |
| 629  |           | ZSL-9390: Fabric filter module 5 inlet damper position switch closed, Type: Solenoid                | EA          | 1    | 0%       | 1       | 0.800                  | \$ 42.50        | \$ 34.00       | \$ 59.80    | \$ 93.80    | \$ 93.80    |          |
| 630  |           | YY-9390: Fabric filter module 5 inlet damper solenoid, Type: Solenoid                               | EA          | 1    | 0%       | 1       | 1.500                  | \$ 42.50        | \$ 63.75       | \$ 227.00   | \$ 290.75   | \$ 290.75   |          |
| 631  |           | LSHH-9391: Fabric filter module 5 hopper level switch high-high, Type: Level Switch                 | EA          | 1    | 0%       | 1       | 3.850                  | \$ 42.50        | \$ 163.63      | \$ 744.00   | \$ 907.63   | \$ 907.63   |          |
| 632  |           | LSH-9392: Fabric filter module 5 hopper level switch high, Type: Level Switch                       | EA          | 1    | 0%       | 1       | 3.850                  | \$ 42.50        | \$ 163.63      | \$ 744.00   | \$ 907.63   | \$ 907.63   |          |
| 633  |           | YY-9394: Fabric filter module 5 hopper vibrator solenoid, Type: Solenoid                            | EA          | 1    | 0%       | 1       | 1.500                  | \$ 42.50        | \$ 63.75       | \$ 227.00   | \$ 290.75   | \$ 290.75   |          |
| 634  |           | TS-9394: Fabric filter module 5 hopper heater temperature switch, Type: Temperature Switch          | EA          | 1    | 0%       | 1       | 1.470                  | \$ 42.50        | \$ 62.48       | \$ 119.04   | \$ 181.52   | \$ 181.52   |          |
| 635  |           | PI-9387A: Baghouse - module 5 pulse header pressure gauge, Type: Pressure Gauge                     | EA          | 1    | 0%       | 1       | 3.130                  | \$ 42.50        | \$ 133.03      | \$ 338.00   | \$ 471.03   | \$ 471.03   |          |
| 636  |           | PDT-9411: Fabric filter module 6 timer card pressure module, Type: Pressure Module                  | EA          | 1    | 0%       | 1       | 3.500                  | \$ 42.50        | \$ 148.75      | \$ 396.75   | \$ 545.50   | \$ 545.50   |          |
| 637  |           | PI-9411: Baghouse - module 6 pulse header compressed air pressure gauge, Type: Pressure Gauge       | EA          | 1    | 0%       | 1       | 3.410                  | \$ 42.50        | \$ 144.93      | \$ 303.99   | \$ 448.92   | \$ 448.92   |          |
| 638  |           | PS-9411: Fabric filter module 6 pulse header pressure switch low, Type: Pressure Switch             | EA          | 1    | 0%       | 1       | 2.950                  | \$ 42.50        | \$ 125.38      | \$ 1,155.00 | \$ 1,280.38 | \$ 1,280.38 |          |
| 639  |           | PS-9411: Fabric filter module 6 pulse header pressure switch low, Type: Pressure Switch             | EA          | 1    | 0%       | 1       | 2.950                  | \$ 42.50        | \$ 125.38      | \$ 1,155.00 | \$ 1,280.38 | \$ 1,280.38 |          |
| 640  |           | AIT-9412: Fabric filter module 6 broken bag detector, Type: Analyzer                                | EA          | 1    | 0%       | 1       | 5.000                  | \$ 42.50        | \$ 212.50      | \$ 549.00   | \$ 761.50   | \$ 761.50   |          |
| 641  |           | ZSH-9413: Fabric filter module 6 outlet damper position switch open, Type: Solenoid                 | EA          | 1    | 0%       | 1       | 0.800                  | \$ 42.50        | \$ 34.00       | \$ 59.80    | \$ 93.80    | \$ 93.80    |          |
| 642  |           | ZSL-9413: Fabric filter module 6 outlet damper position switch closed, Type: Solenoid               | EA          | 1    | 0%       | 1       | 0.800                  | \$ 42.50        | \$ 34.00       | \$ 59.80    | \$ 93.80    | \$ 93.80    |          |
| 643  |           | YY-9413: Fabric filter module 6 outlet damper solenoid, Type: Solenoid                              | EA          | 1    | 0%       | 1       | 1.500                  | \$ 42.50        | \$ 63.75       | \$ 227.00   | \$ 290.75   | \$ 290.75   |          |
| 644  |           | ZSH-9414: Fabric filter module 6 inlet damper position switch open, Type: Solenoid                  | EA          | 1    | 0%       | 1       | 0.800                  | \$ 42.50        | \$ 34.00       | \$ 59.80    | \$ 93.80    | \$ 93.80    |          |
| 645  |           | ZSL-9414: Fabric filter module 6 inlet damper position switch closed, Type: Solenoid                | EA          | 1    | 0%       | 1       | 0.800                  | \$ 42.50        | \$ 34.00       | \$ 59.80    | \$ 93.80    | \$ 93.80    |          |
| 646  |           | YY-9414: Fabric filter module 6 inlet damper solenoid, Type: Solenoid                               | EA          | 1    | 0%       | 1       | 1.500                  | \$ 42.50        | \$ 63.75       | \$ 227.00   | \$ 290.75   | \$ 290.75   |          |
| 647  |           | LSHH-9415: Fabric filter module 6 hopper level switch high-high, Type: Level Switch                 | EA          | 1    | 0%       | 1       | 3.850                  | \$ 42.50        | \$ 163.63      | \$ 744.00   | \$ 907.63   | \$ 907.63   |          |
| 648  |           | LSH-9416: Fabric filter module 6 hopper level switch high, Type: Level Switch                       | EA          | 1    | 0%       | 1       | 3.850                  | \$ 42.50        | \$ 163.63      | \$ 744.00   | \$ 907.63   | \$ 907.63   |          |
| 649  |           | YY-9418: Fabric filter module 6 hopper vibrator solenoid, Type: Solenoid                            | EA          | 1    | 0%       | 1       | 1.500                  | \$ 42.50        | \$ 63.75       | \$ 227.00   | \$ 290.75   | \$ 290.75   |          |
| 650  |           | TS-9418: Fabric filter module 6 hopper heater temperature switch, Type: Temperature Switch          | EA          | 1    | 0%       | 1       | 1.470                  | \$ 42.50        | \$ 62.48       | \$ 119.04   | \$ 181.52   | \$ 181.52   |          |
| 651  |           | PI-9411A: Baghouse - module 6 pulse header pressure gauge, Type: Pressure Gauge                     | EA          | 1    | 0%       | 1       | 3.130                  | \$ 42.50        | \$ 133.03      | \$ 338.00   | \$ 471.03   | \$ 471.03   |          |
| 652  |           | ZZ-1441: System ID fan I.D. Fan inlet box damper solenoid, Type: Solenoid                           | EA          | 1    | 0%       | 1       | 7.490                  | \$ 42.50        | \$ 318.33      | \$ 4,410.00 | \$ 4,728.33 | \$ 4,728.33 |          |
| 653  |           | ZSH-1441: System ID fan I.D. Fan inlet box damper position switch open, Type: Solenoid              | EA          | 1    | 0%       | 1       | 0.740                  | \$ 42.50        | \$ 31.45       | \$ 70.30    | \$ 101.75   | \$ 101.75   |          |
| 654  |           | ZSL-1441: System ID fan I.D. Fan inlet box damper position switch closed, Type: Solenoid            | EA          | 1    | 0%       | 1       | 0.740                  | \$ 42.50        | \$ 31.45       | \$ 70.30    | \$ 101.75   | \$ 101.75   |          |
| 655  |           | ZI-1441: System ID fan inlet box damper position transmitter, Type: Pressure Transmitter            | EA          | 1    | 0%       | 1       | 2.490                  | \$ 42.50        | \$ 105.83      | \$ 507.00   | \$ 612.83   | \$ 612.83   |          |
| 656  |           | TE-1442A: System ID fan inboard fan bearing temperature transmitter, Type: Temperature Transmitter  | EA          | 1    | 0%       | 1       | 2.120                  | \$ 42.50        | \$ 90.10       | \$ 223.75   | \$ 313.85   | \$ 313.85   |          |
| 657  |           | TE-1442B: System ID fan outboard fan bearing temperature transmitter, Type: Temperature Transmitter | EA          | 1    | 0%       | 1       | 2.120                  | \$ 42.50        | \$ 90.10       | \$ 223.75   | \$ 313.85   | \$ 313.85   |          |
| 658  |           | VT-1443A: System ID fan inboard fan bearing vibration transmitter, Type: Vibration Transmitter      | EA          | 1    | 0%       | 1       | 2.670                  | \$ 42.50        | \$ 113.48      | \$ 336.00   | \$ 449.48   | \$ 449.48   |          |
| 659  |           | VT-1443B: System ID fan outboard fan bearing vibration transmitter, Type: Vibration Transmitter     | EA          | 1    | 0%       | 1       | 2.670                  | \$ 42.50        | \$ 113.48      | \$ 336.00   | \$ 449.48   | \$ 449.48   |          |
| 660  |           | TE-9421A: System ID fan motor outboard bearing RTD, Type: Temperature Transmitter                   | EA          | 1    | 0%       | 1       | 2.120                  | \$ 42.50        | \$ 90.10       | \$ 223.75   | \$ 313.85   | \$ 313.85   |          |
| 661  |           | VS-9421A: System ID fan motor inboard bearing vibration switch, Type: Vibration Switch              | EA          | 1    | 0%       | 1       | 3.000                  | \$ 42.50        | \$ 127.50      | \$ 270.99   | \$ 398.49   | \$ 398.49   |          |
| 662  |           | VT-9421A: System ID fan motor outboard bearing vibration transmitter, Type: Vibration Transmitter   | EA          | 1    | 0%       | 1       | 2.670                  | \$ 42.50        | \$ 113.48      | \$ 336.00   | \$ 449.48   | \$ 449.48   |          |
| 663  |           | TE-9421B: System ID fan motor inboard bearing RTD, Type: Temperature Transmitter                    | EA          | 1    | 0%       | 1       | 2.120                  | \$ 42.50        | \$ 90.10       | \$ 223.75   | \$ 313.85   | \$ 313.85   |          |
| 664  |           | VS-9421B: System ID fan motor inboard bearing vibration switch, Type: Vibration Switch              | EA          | 1    | 0%       | 1       | 3.000                  | \$ 42.50        | \$ 127.50      | \$ 270.99   | \$ 398.49   | \$ 398.49   |          |
| 665  |           | VT-9421B: System ID fan motor inboard bearing vibration transmitter, Type: Vibration Transmitter    | EA          | 1    | 0%       | 1       | 2.670                  | \$ 42.50        | \$ 113.48      | \$ 336.00   | \$ 449.48   | \$ 449.48   |          |
| 666  |           | TE-9421C: System ID fan motor RTD no. 1, Type: Temperature Element                                  | EA          | 1    | 0%       | 1       | 2.120                  | \$ 42.50        | \$ 90.10       | \$ 223.75   | \$ 313.85   | \$ 313.85   |          |
| 667  |           | TE-9421D: System ID fan motor RTD no. 2, Type: Temperature Element                                  | EA          | 1    | 0%       | 1       | 2.120                  | \$ 42.50        | \$ 90.10       | \$ 223.75   | \$ 313.85   | \$ 313.85   |          |
| 668  |           | TE-9421E: System ID fan motor RTD no. 3, Type: Temperature Element                                  | EA          | 1    | 0%       | 1       | 2.120                  | \$ 42.50        | \$ 90.10       | \$ 223.75   | \$ 313.85   | \$ 313.85   |          |
| 669  |           | TE-9421F: System ID fan motor RTD no. 4, Type: Temperature Element                                  | EA          | 1    | 0%       | 1       | 2.120                  | \$ 42.50        | \$ 90.10       | \$ 223.75   | \$ 313.85   | \$ 313.85   |          |
| 670  |           | TE-9421G: System ID fan motor RTD no. 5, Type: Temperature Element                                  | EA          | 1    | 0%       | 1       | 2.120                  | \$ 42.50        | \$ 90.10       | \$ 223.75   | \$ 313.85   | \$ 313.85   |          |
| 671  |           | TE-9421H: System ID fan motor RTD no. 6, Type: Temperature Element                                  | EA          | 1    | 0%       | 1       | 2.120                  | \$ 42.50        | \$ 90.10       | \$ 223.75   | \$ 313.85   | \$ 313.85   |          |
| 672  |           | HS-9440A: Monorail no. 1 - hoist motor hand switch, Type: Hand Switch                               | EA          | 1    | 0%       | 1       | 1.100                  | \$ 42.50        | \$ 46.75       | \$ 149.55   | \$ 196.30   | \$ 196.30   |          |
| 673  |           | HS-9440B: Monorail no. 1 - hoist motor hand switch, Type: Hand Switch                               | EA          | 1    | 0%       | 1       | 1.100                  | \$ 42.50        | \$ 46.75       | \$ 149.55   | \$ 196.30   | \$ 196.30   |          |
| 674  |           | HS-9441A: Monorail no. 1 - trolley motor hand switch, Type: Hand Switch                             | EA          | 1    | 0%       | 1       | 1.100                  | \$ 42.50        | \$ 46.75       | \$ 149.55   | \$ 196.30   | \$ 196.30   |          |
| 675  |           | HS-9441B: Monorail no. 1 - trolley motor hand switch, Type: Hand Switch                             | EA          | 1    | 0%       | 1       | 1.100                  | \$ 42.50        | \$ 46.75       | \$ 149.55   | \$ 196.30   | \$ 196.30   |          |
| 676  |           | HS-9442A: Monorail no. 2 - hoist motor hand switch, Type: Hand Switch                               | EA          | 1    | 0%       | 1       | 1.100                  | \$ 42.50        | \$ 46.75       | \$ 149.55   | \$ 196.30   | \$ 196.30   |          |
| 677  |           | HS-9442B: Monorail no. 2 - hoist motor hand switch, Type: Hand Switch                               | EA          | 1    | 0%       | 1       | 1.100                  | \$ 42.50        | \$ 46.75       | \$ 149.55   | \$ 196.30   | \$ 196.30   |          |
| 678  |           | HS-9443A: Monorail no. 2 - trolley motor hand switch, Type: Hand Switch                             | EA          | 1    | 0%       | 1       | 1.100                  | \$ 42.50        | \$ 46.75       | \$ 149.55   | \$ 196.30   | \$ 196.30   |          |
| 679  |           | HS-9443B: Monorail no. 2 - trolley motor hand switch, Type: Hand Switch                             |             |      |          |         |                        |                 |                |             |             |             |          |

**DETAILED BREAKDOWN OF ITEMS**

Prepared for: Covanta Pasco CDS J223048, Covanta Pasco, FL  
 Project ID:  
 Scope: Air Pollution Control Equipment Erection



Date: 14-May-25

| SR # | Drawing # | Detail # | DESCRIPTION                                                         | UNIT | QUANTITY | WASTAGE | QUANTITY W/<br>WASTAGE | UNIT<br>MANHOUR | HOURLY<br>WAGE | LABOR COST | MAT. COST | UNIT COST | SUB COST     |
|------|-----------|----------|---------------------------------------------------------------------|------|----------|---------|------------------------|-----------------|----------------|------------|-----------|-----------|--------------|
| 682  |           |          | 20 GA Galvanized Sheet Metal Duct                                   | LB   | 5442     | 10%     | 5986                   | 0.065           | \$ 42.50       | \$ 2.76    | \$ 4.14   | \$ 6.90   | \$ 41,319.75 |
|      |           |          | MISCELLANEOUS                                                       |      |          |         |                        |                 |                |            |           |           |              |
|      |           |          | VALVES                                                              |      |          |         |                        |                 |                |            |           |           |              |
| 683  |           |          | CK-9301: Lime Transport Blower Check Valve, Valve Size: 4". Conne   | EA   | 1        | 0%      | 1                      | 1.160           | \$ 42.50       | \$ 49.30   | \$ 234.00 | \$ 283.30 | \$ 283.30    |
| 684  |           |          | HV-9301: Lime Transport Blower Outlet Pressure Instrument Isolation | EA   | 1        | 0%      | 1                      | 1.160           | \$ 42.50       | \$ 49.30   | \$ 271.99 | \$ 321.29 | \$ 321.29    |



**DETAILED BREAKDOWN OF ITEMS**

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Date: 14-May-25

| SR # | Drawing # | Detail # | DESCRIPTION                                                                                                                                | UNIT | QUANTITY | WASTAGE | QUANTITY W/<br>WASTAGE | UNIT<br>MANHOUR | HOURLY<br>WAGE | LABOR COST | MAT. COST | UNIT COST | SUB COST  |
|------|-----------|----------|--------------------------------------------------------------------------------------------------------------------------------------------|------|----------|---------|------------------------|-----------------|----------------|------------|-----------|-----------|-----------|
| 685  |           |          | PSV-9301: Lime Transport Blower Pressure Relief Valve, Valve Size: 1.000                                                                   | EA   | 1        | 0%      | 1                      | 1.000           | \$ 42.50       | \$ 42.50   | \$ 186.61 | \$ 229.11 | \$ 229.11 |
| 686  |           |          | FV-9302: Lime Transport Blower Flow Valve, Type: Butterfly Valve, Valve Size: 1.250                                                        | EA   | 1        | 0%      | 1                      | 1.250           | \$ 42.50       | \$ 53.13   | \$ 276.95 | \$ 330.08 | \$ 330.08 |
| 687  |           |          | HV-9302: Lime Transport Blower Flow Valve, Type: Ball Valve, Valve Size: 0.460                                                             | EA   | 1        | 0%      | 1                      | 0.460           | \$ 42.50       | \$ 19.55   | \$ 19.19  | \$ 38.74  | \$ 38.74  |
| 688  |           |          | CK-9304: Spare lime transport blower check valve, Type: Check Valve, Valve Size: 1.160                                                     | EA   | 1        | 0%      | 1                      | 1.160           | \$ 42.50       | \$ 49.30   | \$ 234.00 | \$ 283.30 | \$ 283.30 |
| 689  |           |          | HV-9304: Spare lime transport blower outlet pressure instrument isolation valve, Type: Ball Valve, Valve Size: 1.160                       | EA   | 1        | 0%      | 1                      | 1.160           | \$ 42.50       | \$ 49.30   | \$ 271.99 | \$ 321.29 | \$ 321.29 |
| 690  |           |          | PSV-9304: Spare lime transport blower pressure relief valve, Type: Pressure Relief Valve, Valve Size: 1.000                                | EA   | 1        | 0%      | 1                      | 1.000           | \$ 42.50       | \$ 42.50   | \$ 186.61 | \$ 229.11 | \$ 229.11 |
| 691  |           |          | FV-9305: Spare lime transport blower flow valve, Type: Butterfly Valve, Valve Size: 1.250                                                  | EA   | 1        | 0%      | 1                      | 1.250           | \$ 42.50       | \$ 53.13   | \$ 276.95 | \$ 330.08 | \$ 330.08 |
| 692  |           |          | HV-9305: Spare lime transport blower flow valve compressed air hand valve, Type: Ball Valve, Valve Size: 0.460                             | EA   | 1        | 0%      | 1                      | 0.460           | \$ 42.50       | \$ 19.55   | \$ 19.19  | \$ 38.74  | \$ 38.74  |
| 693  |           |          | HV-9307: Hydrated lime silo bin vent compressed air hand valve, Type: Ball Valve, Valve Size: 0.850                                        | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 134.78 | \$ 170.91 | \$ 170.91 |
| 694  |           |          | PCV-9307: Hydrated lime silo bin vent compressed air pressure regulator, Type: Pressure Regulator, Valve Size: 0.850                       | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 134.78 | \$ 170.91 | \$ 170.91 |
| 695  |           |          | HV-9308: Hydrated lime silo air sweeps compressed air hand valve, Type: Ball Valve, Valve Size: 1.000                                      | EA   | 1        | 0%      | 1                      | 1.000           | \$ 42.50       | \$ 42.50   | \$ 235.91 | \$ 278.41 | \$ 278.41 |
| 696  |           |          | PCV-9308: Hydrated lime silo air sweeps compressed air pressure regulator, Type: Pressure Regulator, Valve Size: 1.000                     | EA   | 1        | 0%      | 1                      | 1.000           | \$ 42.50       | \$ 42.50   | \$ 235.91 | \$ 278.41 | \$ 278.41 |
| 697  |           |          | HV-9309: Hydrated lime silo truck connection, Type: Ball Valve, Valve Size: 1.250                                                          | EA   | 1        | 0%      | 1                      | 1.250           | \$ 42.50       | \$ 53.13   | \$ 304.36 | \$ 357.49 | \$ 357.49 |
| 698  |           |          | HV-9310: Lime silo rotary valve compressed air to seal and pocket pressure instrument isolation valve, Type: Ball Valve, Valve Size: 0.460 | EA   | 1        | 0%      | 1                      | 0.460           | \$ 42.50       | \$ 19.55   | \$ 19.19  | \$ 38.74  | \$ 38.74  |
| 699  |           |          | PCV-9310: Lime silo rotary valve compressed air to seal and pocket pressure regulator, Type: Pressure Regulator, Valve Size: 0.460         | EA   | 1        | 0%      | 1                      | 0.460           | \$ 42.50       | \$ 19.55   | \$ 19.19  | \$ 38.74  | \$ 38.74  |
| 700  |           |          | HV-9312: Hydrated lime flow adapter discharge pressure instrument isolation valve, Type: Ball Valve, Valve Size: 0.650                     | EA   | 1        | 0%      | 1                      | 0.650           | \$ 42.50       | \$ 27.63   | \$ 91.90  | \$ 119.53 | \$ 119.53 |
| 701  |           |          | PSV-9313: Hydrated lime silo pressure relief valve, Type: Pressure Relief Valve, Valve Size: 1.580                                         | EA   | 1        | 0%      | 1                      | 1.580           | \$ 42.50       | \$ 67.15   | \$ 739.91 | \$ 807.06 | \$ 807.06 |
| 702  |           |          | DV-9324: Hydrated lime diverter valve no. 1, Type: Divertor, Valve Size: 1.160                                                             | EA   | 1        | 0%      | 1                      | 1.160           | \$ 42.50       | \$ 49.30   | \$ 234.00 | \$ 283.30 | \$ 283.30 |
| 703  |           |          | HV-9324: Hydrated lime diverter valve no. 1 compressed air isolation valve, Type: Ball Valve, Valve Size: 0.550                            | EA   | 1        | 0%      | 1                      | 0.550           | \$ 42.50       | \$ 23.38   | \$ 36.58  | \$ 59.96  | \$ 59.96  |
| 704  |           |          | HV-9312A: Hydrated lime silo air sweeps solenoids hand valves, Type: Ball Valve, Valve Size: 0.850                                         | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 134.78 | \$ 170.91 | \$ 170.91 |
| 705  |           |          | YY-9312A: Hydrated lime silo air sweep A, Type: Diaphragm Valve, Valve Size: 0.850                                                         | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 134.78 | \$ 170.91 | \$ 170.91 |
| 706  |           |          | HV-9312B: Hydrated lime silo air sweeps solenoids hand valves, Type: Ball Valve, Valve Size: 0.850                                         | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 134.78 | \$ 170.91 | \$ 170.91 |
| 707  |           |          | YY-9312B: Hydrated lime silo air sweep B, Type: Diaphragm Valve, Valve Size: 0.850                                                         | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 134.78 | \$ 170.91 | \$ 170.91 |
| 708  |           |          | HV-9312C: Hydrated lime silo air sweeps solenoids hand valves, Type: Ball Valve, Valve Size: 0.850                                         | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 134.78 | \$ 170.91 | \$ 170.91 |
| 709  |           |          | YY-9312C: Hydrated lime silo air sweep C, Type: Diaphragm Valve, Valve Size: 0.850                                                         | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 134.78 | \$ 170.91 | \$ 170.91 |
| 710  |           |          | HV-9312D: Hydrated lime silo air sweeps solenoids hand valves, Type: Ball Valve, Valve Size: 0.850                                         | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 134.78 | \$ 170.91 | \$ 170.91 |
| 711  |           |          | YY-9312D: Hydrated lime silo air sweep D, Type: Diaphragm Valve, Valve Size: 0.850                                                         | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 134.78 | \$ 170.91 | \$ 170.91 |
| 712  |           |          | HV-9312E: Hydrated lime silo air sweeps solenoids hand valves, Type: Ball Valve, Valve Size: 0.850                                         | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 134.78 | \$ 170.91 | \$ 170.91 |
| 713  |           |          | YY-9312E: Hydrated lime silo air sweep E, Type: Diaphragm Valve, Valve Size: 0.850                                                         | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 134.78 | \$ 170.91 | \$ 170.91 |
| 714  |           |          | HV-9326: Hydrated lime loss in weight hopper A air sweeps isolation valve, Type: Ball Valve, Valve Size: 0.550                             | EA   | 1        | 0%      | 1                      | 0.550           | \$ 42.50       | \$ 23.38   | \$ 36.58  | \$ 59.96  | \$ 59.96  |
| 715  |           |          | YY-9326: Hydrated lime loss in weight hopper A air sweeps A, Type: Diaphragm Valve, Valve Size: 0.550                                      | EA   | 1        | 0%      | 1                      | 0.550           | \$ 42.50       | \$ 23.38   | \$ 36.58  | \$ 59.96  | \$ 59.96  |
| 716  |           |          | HV-9327: Hydrated lime loss in weight hopper A air sweeps isolation valve, Type: Ball Valve, Valve Size: 0.550                             | EA   | 1        | 0%      | 1                      | 0.550           | \$ 42.50       | \$ 23.38   | \$ 36.58  | \$ 59.96  | \$ 59.96  |
| 717  |           |          | YY-9327: Hydrated lime loss in weight hopper A air sweeps B, Type: Diaphragm Valve, Valve Size: 0.550                                      | EA   | 1        | 0%      | 1                      | 0.550           | \$ 42.50       | \$ 23.38   | \$ 36.58  | \$ 59.96  | \$ 59.96  |
| 718  |           |          | HV-9328: Compressed air to lime loss in weight hoppers air sweeps isolation valve, Type: Ball Valve, Valve Size: 0.550                     | EA   | 1        | 0%      | 1                      | 0.550           | \$ 42.50       | \$ 23.38   | \$ 36.58  | \$ 59.96  | \$ 59.96  |
| 719  |           |          | DV-9329: Hydrated lime diverter valve no. 2, Type: Divertor, Valve Size: 1.160                                                             | EA   | 1        | 0%      | 1                      | 1.160           | \$ 42.50       | \$ 49.30   | \$ 234.00 | \$ 283.30 | \$ 283.30 |
| 720  |           |          | HV-9329: Compressed air to hydrated lime diverter valve no. 2 isolation valve, Type: Ball Valve, Valve Size: 0.550                         | EA   | 1        | 0%      | 1                      | 0.550           | \$ 42.50       | \$ 23.38   | \$ 36.58  | \$ 59.96  | \$ 59.96  |
| 721  |           |          | HV-9331: Hydrated lime loss in weight hopper B air sweep isolation valve, Type: Ball Valve, Valve Size: 0.550                              | EA   | 1        | 0%      | 1                      | 0.550           | \$ 42.50       | \$ 23.38   | \$ 36.58  | \$ 59.96  | \$ 59.96  |
| 722  |           |          | YY-9331: Hydrated lime loss in weight hopper B air sweep A, Type: Diaphragm Valve, Valve Size: 0.550                                       | EA   | 1        | 0%      | 1                      | 0.550           | \$ 42.50       | \$ 23.38   | \$ 36.58  | \$ 59.96  | \$ 59.96  |
| 723  |           |          | HV-9332: Hydrated lime loss in weight hopper B air sweep isolation valve, Type: Ball Valve, Valve Size: 0.550                              | EA   | 1        | 0%      | 1                      | 0.550           | \$ 42.50       | \$ 23.38   | \$ 36.58  | \$ 59.96  | \$ 59.96  |
| 724  |           |          | YY-9332: Hydrated lime loss in weight hopper B air sweep B, Type: Diaphragm Valve, Valve Size: 0.550                                       | EA   | 1        | 0%      | 1                      | 0.550           | \$ 42.50       | \$ 23.38   | \$ 36.58  | \$ 59.96  | \$ 59.96  |
| 725  |           |          | HV-9445: Potable water isolation valve (lime silo), Type: Ball Valve, Valve Size: 0.850                                                    | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 134.78 | \$ 170.91 | \$ 170.91 |
| 726  |           |          | HV-9446: Potable water isolation valve (ash injection at reaction tower), Type: Ball Valve, Valve Size: 0.850                              | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 134.78 | \$ 170.91 | \$ 170.91 |
| 727  |           |          | HV-9447: Potable water isolation valve (ash injection at reaction tower), Type: Ball Valve, Valve Size: 0.850                              | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 134.78 | \$ 170.91 | \$ 170.91 |
| 728  |           |          | HV-9448: Potable water isolation valve (lime silo truck unload station), Type: Ball Valve, Valve Size: 0.850                               | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 134.78 | \$ 170.91 | \$ 170.91 |
| 729  |           |          | FCV-9342: Water supply to process water tank flow control valve, Type: Ball Valve, Valve Size: 0.650                                       | EA   | 1        | 0%      | 1                      | 0.650           | \$ 42.50       | \$ 27.63   | \$ 91.90  | \$ 119.53 | \$ 119.53 |
| 730  |           |          | HV-9342: Compressed air to process water tank flow control valve isolation valve, Type: Ball Valve, Valve Size: 0.460                      | EA   | 1        | 0%      | 1                      | 0.460           | \$ 42.50       | \$ 19.55   | \$ 19.19  | \$ 38.74  | \$ 38.74  |
| 731  |           |          | HV-9343: Inlet strainer pressure differential switch isolation valve, Type: Ball Valve, Valve Size: 0.550                                  | EA   | 1        | 0%      | 1                      | 0.550           | \$ 42.50       | \$ 23.38   | \$ 36.58  | \$ 59.96  | \$ 59.96  |
| 732  |           |          | FCV-9344: Compressed air to spray lance for atomization flow control valve, Type: Ball Valve, Valve Size: 0.550                            | EA   | 1        | 0%      | 1                      | 0.550           | \$ 42.50       | \$ 23.38   | \$ 36.58  | \$ 59.96  | \$ 59.96  |
| 733  |           |          | HV-9344: Compressed air to spray lance for atomization inlet pressure isolation valve, Type: Ball Valve, Valve Size: 0.550                 | EA   | 1        | 0%      | 1                      | 0.550           | \$ 42.50       | \$ 23.38   | \$ 36.58  | \$ 59.96  | \$ 59.96  |
| 734  |           |          | PCV-9344: Compressed air to spray lance for atomization pressure regulator, Type: Pressure Regulator, Valve Size: 0.550                    | EA   | 1        | 0%      | 1                      | 0.550           | \$ 42.50       | \$ 23.38   | \$ 36.58  | \$ 59.96  | \$ 59.96  |
| 735  |           |          | HV-9345: Compressed air to spray lance for atomization inlet pressure isolation valve, Type: Ball Valve, Valve Size: 0.550                 | EA   | 1        | 0%      | 1                      | 0.550           | \$ 42.50       | \$ 23.38   | \$ 36.58  | \$ 59.96  | \$ 59.96  |
| 736  |           |          | HV-9346: Compressed air to spray lance for atomization pressure gauge isolation valve, Type: Ball Valve, Valve Size: 0.550                 | EA   | 1        | 0%      | 1                      | 0.550           | \$ 42.50       | \$ 23.38   | \$ 36.58  | \$ 59.96  | \$ 59.96  |
| 737  |           |          | CK-9347: Process water pump no. 1 outlet check valve, Type: Check Valve, Valve Size: 0.850                                                 | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 134.78 | \$ 170.91 | \$ 170.91 |
| 738  |           |          | HV-9347: Process water pump no. 1 outlet pressure gauge isolation valve, Type: Ball Valve, Valve Size: 1.250                               | EA   | 1        | 0%      | 1                      | 1.250           | \$ 42.50       | \$ 53.13   | \$ 326.41 | \$ 379.54 | \$ 379.54 |
| 739  |           |          | CK-9348: Process water pump no. 2 outlet check valve, Type: Check Valve, Valve Size: 0.850                                                 | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 134.78 | \$ 170.91 | \$ 170.91 |
| 740  |           |          | HV-9348: Process water pump no. 2 outlet pressure gauge isolation valve, Type: Ball Valve, Valve Size: 0.550                               | EA   | 1        | 0%      | 1                      | 0.550           | \$ 42.50       | \$ 23.38   | \$ 36.58  | \$ 59.96  | \$ 59.96  |
| 741  |           |          | HV-9349: Process water from pump to reaction tower bypass to tank isolation valve, Type: Ball Valve, Valve Size: 0.850                     | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 134.78 | \$ 170.91 | \$ 170.91 |
| 742  |           |          | PCV-9349: Process water from pump to reaction tower bypass to tank pressure regulator, Type: Pressure Regulator, Valve Size: 1.250         | EA   | 1        | 0%      | 1                      | 1.250           | \$ 42.50       | \$ 53.13   | \$ 326.41 | \$ 379.54 | \$ 379.54 |
| 743  |           |          | FCV-9350: Process water from pump skid to spray lance flow control valve, Type: Ball Valve, Valve Size: 0.850                              | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 134.78 | \$ 170.91 | \$ 170.91 |
| 744  |           |          | HV-9350: Process water from pump skid to spray lance outlet pressure isolation valve, Type: Ball Valve, Valve Size: 1.250                  | EA   | 1        | 0%      | 1                      | 1.250           | \$ 42.50       | \$ 53.13   | \$ 326.41 | \$ 379.54 | \$ 379.54 |
| 745  |           |          | FR-9351: Plant air for control valve actuation filter/regulator, Type: Pressure Regulator, Valve Size: 1.250                               | EA   | 1        | 0%      | 1                      | 1.250           | \$ 42.50       | \$ 53.13   | \$ 326.41 | \$ 379.54 | \$ 379.54 |
| 746  |           |          | HV-9351: Compressed air for flow control valves actuation isolation valve, Type: Ball Valve, Valve Size: 0.550                             | EA   | 1        | 0%      | 1                      | 0.550           | \$ 42.50       | \$ 23.38   | \$ 36.58  | \$ 59.96  | \$ 59.96  |
| 747  |           |          | HV-9342A: Water supply to process water tank flow control valve isolation valve, Type: Ball Valve, Valve Size: 0.650                       | EA   | 1        | 0%      | 1                      | 0.650           | \$ 42.50       | \$ 27.63   | \$ 91.90  | \$ 119.53 | \$ 119.53 |
| 748  |           |          | HV-9342B: Water supply to process water tank flow control valve isolation valve, Type: Ball Valve, Valve Size: 0.650                       | EA   | 1        | 0%      | 1                      | 0.650           | \$ 42.50       | \$ 27.63   | \$ 91.90  | \$ 119.53 | \$ 119.53 |
| 749  |           |          | HV-9342C: Water supply to process water tank flow control valve bypass isolation valve, Type: Ball Valve, Valve Size: 0.650                | EA   | 1        | 0%      | 1                      | 0.650           | \$ 42.50       | \$ 27.63   | \$ 91.90  | \$ 119.53 | \$ 119.53 |
| 750  |           |          | HV-9343A: Water supply from water tank to pump skid isolation hand valve, Type: Ball Valve, Valve Size: 0.850                              | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 134.78 | \$ 170.91 | \$ 170.91 |
| 751  |           |          | HV-9343B: Inlet strainer pressure drain A, Type: Ball Valve, Valve Size: 0.460                                                             | EA   | 1        | 0%      | 1                      | 0.460           | \$ 42.50       | \$ 19.55   | \$ 19.19  | \$ 38.74  | \$ 38.74  |
| 752  |           |          | HV-9343C: Inlet strainer pressure drain B, Type: Ball Valve, Valve Size: 0.460                                                             | EA   | 1        | 0%      | 1                      | 0.460           | \$ 42.50       | \$ 19.55   | \$ 19.19  | \$ 38.74  | \$ 38.74  |
| 753  |           |          | HV-9343D: Water supply from water tank to pump skid drain valve, Type: Ball Valve, Valve Size: 0.650                                       | EA   | 1        | 0%      | 1                      | 0.650           | \$ 42.50       | \$ 27.63   | \$ 91.90  | \$ 119.53 | \$ 119.53 |
| 754  |           |          | HV-9344A: Compressed air to spray lance for atomization flow control valve, Type: Ball Valve, Valve Size: 0.850                            | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 134.78 | \$ 170.91 | \$ 170.91 |
| 755  |           |          | HV-9344B: Compressed air to spray lance for atomization flow control valve, Type: Ball Valve, Valve Size: 0.850                            | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 134.78 | \$ 170.91 | \$ 170.91 |
| 756  |           |          | HV-9344C: Compressed air to spray lance for atomization flow control valve, Type: Ball Valve, Valve Size: 0.850                            | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 134.78 | \$ 170.91 | \$ 170.91 |
| 757  |           |          | HV-9344D: Compressed air to spray lance for atomization flow control valve, Type: Ball Valve, Valve Size: 0.850                            | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 134.78 | \$ 170.91 | \$ 170.91 |
| 758  |           |          | HV-9344E: Compressed air to spray lance for atomization inlet isolation valve, Type: Ball Valve, Valve Size: 0.850                         | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 134.78 | \$ 170.91 | \$ 170.91 |
| 759  |           |          | HV-9345A: Compressed air to spray lance for atomization pressure outlet isolation valve, Type: Ball Valve, Valve Size: 0.550               | EA   | 1        | 0%      | 1                      | 0.550           | \$ 42.50       | \$ 23.38   | \$ 36.58  | \$ 59.96  | \$ 59.96  |
| 760  |           |          | HV-9346A: Compressed air to spray lance for atomization outlet isolation valve, Type: Ball Valve, Valve Size: 0.850                        | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 134.78 | \$ 170.91 | \$ 170.91 |
| 761  |           |          | HV-9347A: Process water pump no. 1 inlet isolation hand valve, Type: Ball Valve, Valve Size: 0.850                                         | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 134.78 | \$ 170.91 | \$ 170.91 |
| 762  |           |          | HV-9347B: Process water pump no. 1 inlet drain valve, Type: Ball Valve, Valve Size: 0.550                                                  | EA   | 1        | 0%      | 1                      | 0.550           | \$ 42.50       | \$ 23.38   | \$ 36.58  | \$ 59.96  | \$ 59.96  |
| 763  |           |          | HV-9347C: Process water pump no. 1 outlet isolation hand valve, Type: Ball Valve, Valve Size: 0.850                                        | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 134.78 | \$ 170.91 | \$ 170.91 |
| 764  |           |          | HV-9347D: Process water pump no. 1 outlet drain valve, Type: Ball Valve, Valve Size: 0.550                                                 | EA   | 1        | 0%      | 1                      | 0.550           | \$ 42.50       |            |           |           |           |

**DETAILED BREAKDOWN OF ITEMS**

Prepared for: Covanta Pasco CDS J223048, Covanta Pasco, FL  
 Project ID:  
 Scope: Air Pollution Control Equipment Erection



Date: 14-May-25

| SR # | Drawing # | Detail # | DESCRIPTION                                                            | UNIT | QUANTITY | WASTAGE | QUANTITY W/<br>WASTAGE | UNIT<br>MAN/HR | HOURLY<br>WAGE | LABOR COST | MAT. COST | UNIT COST | SUB COST  |
|------|-----------|----------|------------------------------------------------------------------------|------|----------|---------|------------------------|----------------|----------------|------------|-----------|-----------|-----------|
| 779  |           |          | HV-9355: Reaction tower spray lance barrier air isolation valve, Type: | EA   | 1        | 0%      | 1                      | 1.160          | \$ 42.50       | \$ 49.30   | \$ 234.00 | \$ 283.30 | \$ 283.30 |
| 780  |           |          | CK-9356: Compressed air to reaction tower for lance check valve, Typ   | EA   | 1        | 0%      | 1                      | 1.250          | \$ 42.50       | \$ 53.13   | \$ 276.95 | \$ 330.08 | \$ 330.08 |
| 781  |           |          | HV-9356: Compressed air to reaction tower for lance pressure indicato  | EA   | 1        | 0%      | 1                      | 0.550          | \$ 42.50       | \$ 23.38   | \$ 36.58  | \$ 59.96  | \$ 59.96  |
| 782  |           |          | CK-9357: Cooling water to reactor lance check valve, Type: Check Va    | EA   | 1        | 0%      | 1                      | 1.250          | \$ 42.50       | \$ 53.13   | \$ 276.95 | \$ 330.08 | \$ 330.08 |
| 783  |           |          | HV-9357: Cooling water to reactor lance pressure indicator hand valve  | EA   | 1        | 0%      | 1                      | 0.550          | \$ 42.50       | \$ 23.38   | \$ 36.58  | \$ 59.96  | \$ 59.96  |
| 784  |           |          | HV-9358: Recirculating gas damper compressed air isolation valve, Ty   | EA   | 1        | 0%      | 1                      | 0.460          | \$ 42.50       | \$ 19.55   | \$ 19.19  | \$ 38.74  | \$ 38.74  |
| 785  |           |          | PCV-9358: Recirculating gas damper compressed air regulator, Type:     | EA   | 1        | 0%      | 1                      | 0.550          | \$ 42.50       | \$ 23.38   | \$ 36.58  | \$ 59.96  | \$ 59.96  |
| 786  |           |          | FCV-9359: Recirculating gas damper, Type: Butterfly Valve, Valve Si    | EA   | 1        | 0%      | 1                      | 0.850          | \$ 42.50       | \$ 36.13   | \$ 177.60 | \$ 213.73 | \$ 213.73 |
| 787  |           |          | HV-9356A: Compressed air to reaction tower for lance isolation valve.  | EA   | 1        | 0%      | 1                      | 0.850          | \$ 42.50       | \$ 36.13   | \$ 177.60 | \$ 213.73 | \$ 213.73 |
| 788  |           |          | HV-9357A: Cooling water to reactor lance isolation valve, Type: Ball   | EA   | 1        | 0%      | 1                      | 0.850          | \$ 42.50       | \$ 36.13   | \$ 177.60 | \$ 213.73 | \$ 213.73 |
| 789  |           |          | HV-9361: Activated Carbon silo bin vent compressed air hand valve,     | EA   | 1        | 0%      | 1                      | 0.850          | \$ 42.50       | \$ 36.13   | \$ 177.60 | \$ 213.73 | \$ 213.73 |
| 790  |           |          | PCV-9361: Activated Carbon silo bin vent compressed air pressure reg   | EA   | 1        | 0%      | 1                      | 1.000          | \$ 42.50       | \$ 42.50   | \$ 211.67 | \$ 254.17 | \$ 254.17 |
| 791  |           |          | HV-9362: Activated Carbon silo truck connection, Type: Ball Valve, V   | EA   | 1        | 0%      | 1                      | 1.160          | \$ 42.50       | \$ 49.30   | \$ 234.00 | \$ 283.30 | \$ 283.30 |
| 792  |           |          | HV-9362: Activated Carbon silo truck connection, Type: Ball Valve, V   | EA   | 1        | 0%      | 1                      | 1.160          | \$ 42.50       | \$ 49.30   | \$ 234.00 | \$ 283.30 | \$ 283.30 |
| 793  |           |          | PCV-9367: Activated Carbon silo air sweeps compressed air pressure     | EA   | 1        | 0%      | 1                      | 1.000          | \$ 42.50       | \$ 42.50   | \$ 211.67 | \$ 254.17 | \$ 254.17 |
| 794  |           |          | PSV-9367: Activated Carbon silo pressure relief valve, Type: Pressure  | EA   | 1        | 0%      | 1                      | 1.580          | \$ 42.50       | \$ 67.15   | \$ 739.91 | \$ 807.06 | \$ 807.06 |

**DETAILED BREAKDOWN OF ITEMS**

Prepared for: Covanta Pasco CDS J223048, Covanta Pasco, FL  
 Project ID:  
 Scope: Air Pollution Control Equipment Erection



Date: 14-May-25

| SR # | Drawing # | Detail # | DESCRIPTION                                                            | UNIT | QUANTITY | WASTAGE | QUANTITY W/<br>WASTAGE | UNIT<br>MANHOUR | HOURLY<br>WAGE | LABOR COST | MAT. COST | UNIT COST | SUB COST  |
|------|-----------|----------|------------------------------------------------------------------------|------|----------|---------|------------------------|-----------------|----------------|------------|-----------|-----------|-----------|
| 795  |           |          | HV-9367A: Activated Carbon silo air sweep solenoid hand valves, Typ    | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 177.60 | \$ 213.73 | \$ 213.73 |
| 796  |           |          | YY-9367A: Activated Carbon silo air sweep, Type: Diaphragm Valve,      | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 177.60 | \$ 213.73 | \$ 213.73 |
| 797  |           |          | HV-9367B: Activated Carbon silo air sweep solenoid hand valves, Typ    | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 177.60 | \$ 213.73 | \$ 213.73 |
| 798  |           |          | YY-9367B: Activated Carbon silo air sweep, Type: Diaphragm Valve,      | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 134.78 | \$ 170.91 | \$ 170.91 |
| 799  |           |          | HV-9367C: Activated Carbon silo air sweep solenoid hand valves, Typ    | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 177.60 | \$ 213.73 | \$ 213.73 |
| 800  |           |          | YY-9367C: Activated Carbon silo air sweep, Type: Diaphragm Valve,      | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 134.78 | \$ 170.91 | \$ 170.91 |
| 801  |           |          | HV-9367D: Activated Carbon silo air sweep solenoid hand valves, Typ    | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 177.60 | \$ 213.73 | \$ 213.73 |
| 802  |           |          | YY-9367D: Activated Carbon silo air sweep D, Type: Diaphragm Valv      | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 134.78 | \$ 170.91 | \$ 170.91 |
| 803  |           |          | CK-9437: AC feed train 1 eductor vent check valve, Type: Check Valv    | EA   | 1        | 0%      | 1                      | 1.250           | \$ 42.50       | \$ 53.13   | \$ 276.95 | \$ 330.08 | \$ 330.08 |
| 804  |           |          | CK-9438: AC feed train 1 transport blower discharge check valve, Typ   | EA   | 1        | 0%      | 1                      | 0.880           | \$ 42.50       | \$ 37.40   | \$ 101.99 | \$ 139.39 | \$ 139.39 |
| 805  |           |          | PSV-9438: AC feed train 1 transport blower discharge pressure relief   | EA   | 1        | 0%      | 1                      | 1.250           | \$ 42.50       | \$ 53.13   | \$ 276.95 | \$ 330.08 | \$ 330.08 |
| 806  |           |          | HV-9440: AC feed train 1 eductor discharge pressure instrument isolat  | EA   | 1        | 0%      | 1                      | 0.550           | \$ 42.50       | \$ 23.38   | \$ 36.58  | \$ 59.96  | \$ 59.96  |
| 807  |           |          | HV-9438A: AC feed train 1 transport blower discharge pressure instru   | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 177.60 | \$ 213.73 | \$ 213.73 |
| 808  |           |          | CK-9433: AC feed train 2 eductor vent check valve, Type: Check Valv    | EA   | 1        | 0%      | 1                      | 1.160           | \$ 42.50       | \$ 49.30   | \$ 234.00 | \$ 283.30 | \$ 283.30 |
| 809  |           |          | CK-9434: AC feed train 2 transport blower discharge check valve, Typ   | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 134.78 | \$ 170.91 | \$ 170.91 |
| 810  |           |          | PSV-9434: AC feed train 2 transport blower discharge pressure relief   | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 177.60 | \$ 213.73 | \$ 213.73 |
| 811  |           |          | HV-9436: AC feed train 2 eductor discharge pressure instrument isolat  | EA   | 1        | 0%      | 1                      | 0.550           | \$ 42.50       | \$ 23.38   | \$ 36.58  | \$ 59.96  | \$ 59.96  |
| 812  |           |          | HV-9434A: AC feed train 2 transport blower discharge pressure instru   | EA   | 1        | 0%      | 1                      | 0.550           | \$ 42.50       | \$ 23.38   | \$ 36.58  | \$ 59.96  | \$ 59.96  |
| 813  |           |          | CK-9428: AC feed train 3 eductor vent check valve, Type: Check Valv    | EA   | 1        | 0%      | 1                      | 1.160           | \$ 42.50       | \$ 49.30   | \$ 234.00 | \$ 283.30 | \$ 283.30 |
| 814  |           |          | CK-9429: AC feed train 3 transport blower discharge check valve, Typ   | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 134.78 | \$ 170.91 | \$ 170.91 |
| 815  |           |          | PSV-9429: AC feed train 3 transport blower discharge pressure relief   | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 177.60 | \$ 213.73 | \$ 213.73 |
| 816  |           |          | HV-9431: AC feed train 3 eductor discharge pressure instrument isolat  | EA   | 1        | 0%      | 1                      | 0.550           | \$ 42.50       | \$ 23.38   | \$ 36.58  | \$ 59.96  | \$ 59.96  |
| 817  |           |          | HV-9429A: AC feed train 3 transport blower discharge pressure instru   | EA   | 1        | 0%      | 1                      | 1.160           | \$ 42.50       | \$ 49.30   | \$ 234.00 | \$ 283.30 | \$ 283.30 |
| 818  |           |          | CK-9423: AC feed train 4 eductor vent check valve, Type: Check Valv    | EA   | 1        | 0%      | 1                      | 1.160           | \$ 42.50       | \$ 49.30   | \$ 234.00 | \$ 283.30 | \$ 283.30 |
| 819  |           |          | CK-9424: AC feed train 4 transport blower discharge check valve, Typ   | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 134.78 | \$ 170.91 | \$ 170.91 |
| 820  |           |          | PSV-9424: AC feed train 4 transport blower discharge pressure relief   | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 177.60 | \$ 213.73 | \$ 213.73 |
| 821  |           |          | HV-9426: AC feed train 4 eductor discharge pressure instrument isolat  | EA   | 1        | 0%      | 1                      | 0.550           | \$ 42.50       | \$ 23.38   | \$ 36.58  | \$ 59.96  | \$ 59.96  |
| 822  |           |          | HV-9424A: AC feed train 4 transport blower discharge pressure instru   | EA   | 1        | 0%      | 1                      | 0.550           | \$ 42.50       | \$ 23.38   | \$ 36.58  | \$ 59.96  | \$ 59.96  |
| 823  |           |          | HV-9445D: Air receiver pressure gauge isolation valve, Type: Ball Va   | EA   | 1        | 0%      | 1                      | 0.550           | \$ 42.50       | \$ 23.38   | \$ 36.58  | \$ 59.96  | \$ 59.96  |
| 824  |           |          | PSV-9445: Air receiver pressure relief valve, Type: Pressure Relief Va | EA   | 1        | 0%      | 1                      | 0.550           | \$ 42.50       | \$ 23.38   | \$ 36.58  | \$ 59.96  | \$ 59.96  |
| 825  |           |          | HV-9445A: Air receiver drain isolation valve, Type: Ball Valve, Valve  | EA   | 1        | 0%      | 1                      | 0.650           | \$ 42.50       | \$ 27.63   | \$ 91.90  | \$ 119.53 | \$ 119.53 |
| 826  |           |          | HV-9445B: Air receiver drain solenoid bypass valve, Type: Ball Valve   | EA   | 1        | 0%      | 1                      | 0.650           | \$ 42.50       | \$ 27.63   | \$ 91.90  | \$ 119.53 | \$ 119.53 |
| 827  |           |          | HV-9445C: Air receiver drain outlet isolation valve, Type: Ball Valve, | EA   | 1        | 0%      | 1                      | 0.650           | \$ 42.50       | \$ 27.63   | \$ 91.90  | \$ 119.53 | \$ 119.53 |
| 828  |           |          | PCV-9371: Baghouse - module 1 pulse header compressed air pressure     | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 177.60 | \$ 213.73 | \$ 213.73 |
| 829  |           |          | PSV-9371: Baghouse - module 1 pulse header pressure relief valve, Ts   | EA   | 1        | 0%      | 1                      | 0.550           | \$ 42.50       | \$ 23.38   | \$ 36.58  | \$ 59.96  | \$ 59.96  |
| 830  |           |          | FV-9373: Baghouse - module 1 outlet damper, Type: Poppet Valve, Cc     | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 177.60 | \$ 213.73 | \$ 213.73 |
| 831  |           |          | HV-9373: Baghouse - module 1 outlet damper compressed air hand va      | EA   | 1        | 0%      | 1                      | 0.460           | \$ 42.50       | \$ 19.55   | \$ 19.19  | \$ 38.74  | \$ 38.74  |
| 832  |           |          | FV-9374: Baghouse - module 1 inlet damper, Type: Butterfly Valve, D    | EA   | 1        | 0%      | 1                      | 0.550           | \$ 42.50       | \$ 23.38   | \$ 36.58  | \$ 59.96  | \$ 59.96  |
| 833  |           |          | HV-9374: Baghouse - module 1 inlet damper compressed air hand val      | EA   | 1        | 0%      | 1                      | 0.460           | \$ 42.50       | \$ 19.55   | \$ 19.19  | \$ 38.74  | \$ 38.74  |
| 834  |           |          | PCV-9378: Baghouse - module 1 hopper vibrator air filter/regulator/lu  | EA   | 1        | 0%      | 1                      | 0.460           | \$ 42.50       | \$ 19.55   | \$ 19.19  | \$ 38.74  | \$ 38.74  |
| 835  |           |          | HV-9378: Baghouse - module 1 hopper vibrator air inlet isolation valv  | EA   | 1        | 0%      | 1                      | 0.460           | \$ 42.50       | \$ 19.55   | \$ 19.19  | \$ 38.74  | \$ 38.74  |
| 836  |           |          | HV-9371A: Baghouse - module 1 pulse header compressed air hand va      | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 177.60 | \$ 213.73 | \$ 213.73 |
| 837  |           |          | YY-9371A-Q: Baghouse - module 1 pulse valves, Type: Pulse Valve, Y     | EA   | 1        | 0%      | 1                      | 1.160           | \$ 42.50       | \$ 49.30   | \$ 234.00 | \$ 283.30 | \$ 283.30 |
| 838  |           |          | YY-9371A-Q: Baghouse - module 1 pulse valves, Type: Pulse Valve, Y     | EA   | 1        | 0%      | 1                      | 1.160           | \$ 42.50       | \$ 49.30   | \$ 234.00 | \$ 283.30 | \$ 283.30 |
| 839  |           |          | HV-9371C: Baghouse - module 1 pulse header drain valve, Type: Ball     | EA   | 1        | 0%      | 1                      | 0.650           | \$ 42.50       | \$ 27.63   | \$ 91.90  | \$ 119.53 | \$ 119.53 |
| 840  |           |          | HV-9371D: Baghouse - module 1 pulse header pressure gauge hand va      | EA   | 1        | 0%      | 1                      | 0.550           | \$ 42.50       | \$ 23.38   | \$ 36.58  | \$ 59.96  | \$ 59.96  |
| 841  |           |          | PCV-9395: Baghouse - module 2 pulse header compressed air pressure     | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 177.60 | \$ 213.73 | \$ 213.73 |
| 842  |           |          | PSV-9395: Baghouse - module 2 pulse header pressure relief valve, Ts   | EA   | 1        | 0%      | 1                      | 0.550           | \$ 42.50       | \$ 23.38   | \$ 36.58  | \$ 59.96  | \$ 59.96  |
| 843  |           |          | FV-9397: Baghouse - module 2 outlet damper, Type: Poppet Valve, Cc     | EA   | 1        | 0%      | 1                      | 1.160           | \$ 42.50       | \$ 49.30   | \$ 234.00 | \$ 283.30 | \$ 283.30 |
| 844  |           |          | FV-9398: Baghouse - module 2 inlet damper, Type: Butterfly Valve, D    | EA   | 1        | 0%      | 1                      | 1.160           | \$ 42.50       | \$ 49.30   | \$ 234.00 | \$ 283.30 | \$ 283.30 |
| 845  |           |          | HV-9398: Baghouse - module 2 inlet damper compressed air hand val      | EA   | 1        | 0%      | 1                      | 0.550           | \$ 42.50       | \$ 23.38   | \$ 36.58  | \$ 59.96  | \$ 59.96  |
| 846  |           |          | PCV-9402: Baghouse - module 2 hopper vibrator air filter/regulator/lu  | EA   | 1        | 0%      | 1                      | 0.460           | \$ 42.50       | \$ 19.55   | \$ 19.19  | \$ 38.74  | \$ 38.74  |
| 847  |           |          | HV-9402: Baghouse - module 2 hopper vibrator air inlet isolation valv  | EA   | 1        | 0%      | 1                      | 0.460           | \$ 42.50       | \$ 19.55   | \$ 19.19  | \$ 38.74  | \$ 38.74  |
| 848  |           |          | HV-9395A: Baghouse - module 2 pulse header compressed air hand va      | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 177.60 | \$ 213.73 | \$ 213.73 |
| 849  |           |          | YY-9395A-Q: Baghouse - module 2 pulse valves, Type: Pulse Valve, Y     | EA   | 1        | 0%      | 1                      | 1.160           | \$ 42.50       | \$ 49.30   | \$ 234.00 | \$ 283.30 | \$ 283.30 |
| 850  |           |          | HV-9395B: Baghouse - module 2 pulse header compressed air hand va      | EA   | 1        | 0%      | 1                      | 0.650           | \$ 42.50       | \$ 27.63   | \$ 91.90  | \$ 119.53 | \$ 119.53 |
| 851  |           |          | HV-9395C: Baghouse - module 2 pulse header drain valve, Type: Ball     | EA   | 1        | 0%      | 1                      | 0.650           | \$ 42.50       | \$ 27.63   | \$ 91.90  | \$ 119.53 | \$ 119.53 |
| 852  |           |          | HV-9395C: Baghouse - module 2 pulse header drain valve, Type: Ball     | EA   | 1        | 0%      | 1                      | 0.650           | \$ 42.50       | \$ 27.63   | \$ 91.90  | \$ 119.53 | \$ 119.53 |
| 853  |           |          | PCV-9379: Baghouse - module 3 pulse header compressed air pressure     | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 177.60 | \$ 213.73 | \$ 213.73 |
| 854  |           |          | PSV-9379: Baghouse - module 3 pulse header pressure relief valve, Ts   | EA   | 1        | 0%      | 1                      | 0.550           | \$ 42.50       | \$ 23.38   | \$ 36.58  | \$ 59.96  | \$ 59.96  |
| 855  |           |          | FV-9381: Baghouse - module 3 outlet damper, Type: Poppet Valve, Cc     | EA   | 1        | 0%      | 1                      | 1.160           | \$ 42.50       | \$ 49.30   | \$ 234.00 | \$ 283.30 | \$ 283.30 |
| 856  |           |          | HV-9381: Baghouse - module 3 outlet damper compressed air hand va      | EA   | 1        | 0%      | 1                      | 0.460           | \$ 42.50       | \$ 19.55   | \$ 19.19  | \$ 38.74  | \$ 38.74  |
| 857  |           |          | FV-9382: Baghouse - module 3 inlet damper, Type: Butterfly Valve, D    | EA   | 1        | 0%      | 1                      | 1.160           | \$ 42.50       | \$ 49.30   | \$ 234.00 | \$ 283.30 | \$ 283.30 |
| 858  |           |          | HV-9382: Baghouse - module 3 inlet damper compressed air hand val      | EA   | 1        | 0%      | 1                      | 0.460           | \$ 42.50       | \$ 19.55   | \$ 19.19  | \$ 38.74  | \$ 38.74  |
| 859  |           |          | PCV-9386: Baghouse - module 3 hopper vibrator air filter/regulator/lu  | EA   | 1        | 0%      | 1                      | 0.460           | \$ 42.50       | \$ 19.55   | \$ 19.19  | \$ 38.74  | \$ 38.74  |
| 860  |           |          | HV-9386: Baghouse - module 3 hopper vibrator air inlet isolation valv  | EA   | 1        | 0%      | 1                      | 0.460           | \$ 42.50       | \$ 19.55   | \$ 19.19  | \$ 38.74  | \$ 38.74  |
| 861  |           |          | HV-9379A: Baghouse - module 3 pulse header compressed air hand va      | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 177.60 | \$ 213.73 | \$ 213.73 |
| 862  |           |          | Y-9379A-Q: Baghouse - module 3 pulse valves, Type: Pulse Valve, Y      | EA   | 1        | 0%      | 1                      | 1.160           | \$ 42.50       | \$ 49.30   | \$ 234.00 | \$ 283.30 | \$ 283.30 |
| 863  |           |          | HV-9379B: Baghouse - module 3 pulse header compressed air hand va      | EA   | 1        | 0%      | 1                      | 0.650           | \$ 42.50       | \$ 27.63   | \$ 91.90  | \$ 119.53 | \$ 119.53 |
| 864  |           |          | HV-9379C: Baghouse - module 3 pulse header drain valve, Type: Ball     | EA   | 1        | 0%      | 1                      | 0.650           | \$ 42.50       | \$ 27.63   | \$ 91.90  | \$ 119.53 | \$ 119.53 |
| 865  |           |          | HV-9379D: Baghouse - module 3 pulse header pressure gauge hand va      | EA   | 1        | 0%      | 1                      | 0.550           | \$ 42.50       | \$ 23.38   | \$ 36.58  | \$ 59.96  | \$ 59.96  |
| 866  |           |          | PCV-9403: Baghouse - module 4 pulse header compressed air pressure     | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 177.60 | \$ 213.73 | \$ 213.73 |
| 867  |           |          | PSV-9403: Baghouse - module 4 pulse header pressure relief valve, Ts   | EA   | 1        | 0%      | 1                      | 0.550           | \$ 42.50       | \$ 23.38   | \$ 36.58  | \$ 59.96  | \$ 59.96  |
| 868  |           |          | FV-9405: Baghouse - module 4 outlet damper, Type: Poppet Valve, Cc     | EA   | 1        | 0%      | 1                      | 1.160           | \$ 42.50       | \$ 49.30   | \$ 234.00 | \$ 283.30 | \$ 283.30 |
| 869  |           |          | HV-9405: Baghouse - module 4 outlet damper compressed air hand va      | EA   | 1        | 0%      | 1                      | 0.460           | \$ 42.50       | \$ 19.55   | \$ 19.19  | \$ 38.74  | \$ 38.74  |
| 870  |           |          | FV-9406: Baghouse - module 4 inlet damper, Type: Butterfly Valve, D    | EA   | 1        | 0%      | 1                      | 1.160           | \$ 42.50       | \$ 49.30   | \$ 234.00 | \$ 283.30 | \$ 283.30 |
| 871  |           |          | HV-9406: Baghouse - module 4 inlet damper compressed air hand val      | EA   | 1        | 0%      | 1                      | 0.460           | \$ 42.50       | \$ 19.55   | \$ 19.19  | \$ 38.74  | \$ 38.74  |
| 872  |           |          | PCV-9410: Baghouse - module 4 hopper vibrator air filter/regulator/lu  | EA   | 1        | 0%      | 1                      | 0.460           | \$ 42.50       | \$ 19.55   | \$ 19.19  | \$ 38.74  | \$ 38.74  |
| 873  |           |          | HV-9410: Baghouse - module 4 hopper vibrator air inlet isolation valv  | EA   | 1        | 0%      | 1                      | 0.460           | \$ 42.50       | \$ 19.55   | \$ 19.19  | \$ 38.74  | \$ 38.74  |
| 874  |           |          | HV-9403A: Baghouse - module 4 pulse header compressed air hand va      | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 177.60 | \$ 213.73 | \$ 213.73 |
| 875  |           |          | YY-9403A-Q: Baghouse - module 4 pulse valves, Type: Pulse Valve, Y     | EA   | 1        | 0%      | 1                      | 1.160           | \$ 42.50       | \$ 49.30   | \$ 234.00 | \$ 283.30 | \$ 283.30 |
| 876  |           |          | HV-9403B: Baghouse - module 4 pulse header compressed air hand va      | EA   | 1        | 0%      | 1                      | 0.650           | \$ 42.50       | \$ 27.63   | \$ 91.90  | \$ 119.53 | \$ 119.53 |
| 877  |           |          | HV-9403C: Baghouse - module 4 pulse header drain valve, Type: Ball     | EA   | 1        | 0%      | 1                      | 0.650           | \$ 42.50       | \$ 27.63   | \$ 91.90  | \$ 119.53 | \$ 119.53 |
| 878  |           |          | HV-9403D: Baghouse - module 4 pulse header pressure gauge hand va      | EA   | 1        | 0%      | 1                      | 0.550           | \$ 42.50       | \$ 23.38   | \$ 36.58  | \$ 59.96  | \$ 59.96  |
| 879  |           |          | PCV-9387: Baghouse - module 5 pulse header compressed air pressure     | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 177.60 | \$ 213.73 | \$ 213.73 |
| 880  |           |          | PSV-9387: Baghouse - module 5 pulse header pressure relief valve, Ts   | EA   | 1        | 0%      | 1                      | 0.550           | \$ 42.50       | \$ 23.38   | \$ 36.58  | \$ 59.96  | \$ 59.96  |
| 881  |           |          | FV-9389: Baghouse - module 5 outlet damper, Type: Poppet Valve, Cc     | EA   | 1        | 0%      | 1                      | 1.160           | \$ 42.50       | \$ 49.30   | \$ 234.00 | \$ 283.30 | \$ 283.30 |
| 882  |           | </       |                                                                        |      |          |         |                        |                 |                |            |           |           |           |

| DETAILED BREAKDOWN OF ITEMS                                                                                                                     |                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| Prepared for:                                                                                                                                   | Covanta Pasco CDS J223048, Covanta Pasco, FL |
| Project ID:                                                                                                                                     |                                              |
| Scope:                                                                                                                                          | Air Pollution Control Equipment Erection     |
| <div>  <div> <b>COST</b><br/> <b>ESTIMATOR</b> </div> </div> |                                              |
| Date:                                                                                                                                           | 14-May-25                                    |

| SR #                | Drawing # | Detail # | DESCRIPTION                                                           | UNIT | QUANTITY | WASTAGE | QUANTITY W/<br>WASTAGE | UNIT<br>MANHOUR | HOURLY<br>WAGE | LABOR COST | MAT. COST | UNIT COST | SUB COST    |
|---------------------|-----------|----------|-----------------------------------------------------------------------|------|----------|---------|------------------------|-----------------|----------------|------------|-----------|-----------|-------------|
| 889                 |           |          | HV-9387B: Baghouse - module 5 pulse header compressed air hand va     | EA   | 1        | 0%      | 1                      | 0.650           | \$ 42.50       | \$ 27.63   | \$ 91.90  | \$ 119.53 | \$ 119.53   |
| 890                 |           |          | HV-9387C: Baghouse - module 5 pulse header drain valve, Type: Ball    | EA   | 1        | 0%      | 1                      | 0.650           | \$ 42.50       | \$ 27.63   | \$ 91.90  | \$ 119.53 | \$ 119.53   |
| 891                 |           |          | HV-9387D: Baghouse - module 5 pulse header pressure gauge hand va     | EA   | 1        | 0%      | 1                      | 0.550           | \$ 42.50       | \$ 23.38   | \$ 36.58  | \$ 59.96  | \$ 59.96    |
| 892                 |           |          | PCV-9411: Baghouse - module 6 pulse header compressed air pressure    | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 177.60 | \$ 213.73 | \$ 213.73   |
| 893                 |           |          | PSV-9411: Baghouse - module 6 pulse header pressure relief valve, Ty  | EA   | 1        | 0%      | 1                      | 1.160           | \$ 42.50       | \$ 49.30   | \$ 234.00 | \$ 283.30 | \$ 283.30   |
| 894                 |           |          | PSV-9411: Baghouse - module 6 pulse header pressure relief valve, Ty  | EA   | 1        | 0%      | 1                      | 1.160           | \$ 42.50       | \$ 49.30   | \$ 234.00 | \$ 283.30 | \$ 283.30   |
| 895                 |           |          | HV-9413: Baghouse - module 6 outlet damper compressed air hand va     | EA   | 1        | 0%      | 1                      | 0.460           | \$ 42.50       | \$ 19.55   | \$ 19.19  | \$ 38.74  | \$ 38.74    |
| 896                 |           |          | FV-9414: Baghouse - module 6 inlet damper, Type: Butterfly Valve, D   | EA   | 1        | 0%      | 1                      | 1.160           | \$ 42.50       | \$ 49.30   | \$ 234.00 | \$ 283.30 | \$ 283.30   |
| 897                 |           |          | HV-9414: Baghouse - module 6 inlet damper compressed air hand valv    | EA   | 1        | 0%      | 1                      | 0.460           | \$ 42.50       | \$ 19.55   | \$ 19.19  | \$ 38.74  | \$ 38.74    |
| 898                 |           |          | PCV-9418: Baghouse - module 6 hopper vibrator air filter/regulator/lu | EA   | 1        | 0%      | 1                      | 0.460           | \$ 42.50       | \$ 19.55   | \$ 19.19  | \$ 38.74  | \$ 38.74    |
| 899                 |           |          | HV-9418: Baghouse - module 6 hopper vibrator air inlet isolation valv | EA   | 1        | 0%      | 1                      | 0.460           | \$ 42.50       | \$ 19.55   | \$ 19.19  | \$ 38.74  | \$ 38.74    |
| 900                 |           |          | HV-9411A: Baghouse - module 6 pulse header compressed air hand va     | EA   | 1        | 0%      | 1                      | 0.850           | \$ 42.50       | \$ 36.13   | \$ 177.60 | \$ 213.73 | \$ 213.73   |
| 901                 |           |          | YY-9411A-Q: Baghouse - module 6 pulse valves, Type: Pulse Valve, N    | EA   | 1        | 0%      | 1                      | 1.160           | \$ 42.50       | \$ 49.30   | \$ 234.00 | \$ 283.30 | \$ 283.30   |
| 902                 |           |          | HV-9411B: Baghouse - module 6 pulse header compressed air hand va     | EA   | 1        | 0%      | 1                      | 0.650           | \$ 42.50       | \$ 27.63   | \$ 91.90  | \$ 119.53 | \$ 119.53   |
| 903                 |           |          | HV-9411C: Baghouse - module 6 pulse header drain valve, Type: Ball    | EA   | 1        | 0%      | 1                      | 0.650           | \$ 42.50       | \$ 27.63   | \$ 91.90  | \$ 119.53 | \$ 119.53   |
| 904                 |           |          | HV-9411D: Baghouse - module 6 pulse header pressure gauge hand va     | EA   | 1        | 0%      | 1                      | 0.550           | \$ 42.50       | \$ 23.38   | \$ 36.58  | \$ 59.96  | \$ 59.96    |
| 905                 |           |          | PCV-1441: System ID fan inlet box damper, Type: VIV Damper, Dime      | EA   | 1        | 0%      | 1                      | 1.160           | \$ 42.50       | \$ 49.30   | \$ 234.00 | \$ 283.30 | \$ 283.30   |
|                     |           |          | PIPE SUPPORT                                                          |      |          |         |                        |                 |                |            |           |           |             |
| 906                 |           |          | 1/4" Dia Adjustable Clevis Hanger                                     | EA   | 42       | 0%      | 42                     | 0.030           | \$ 42.50       | \$ 1.28    | \$ 1.89   | \$ 3.17   | \$ 132.93   |
| 907                 |           |          | 3/8" Dia Adjustable Clevis Hanger                                     | EA   | 90       | 0%      | 90                     | 0.045           | \$ 42.50       | \$ 1.91    | \$ 2.18   | \$ 4.09   | \$ 368.33   |
| 908                 |           |          | 1/2" Dia Adjustable Clevis Hanger                                     | EA   | 25       | 0%      | 25                     | 0.052           | \$ 42.50       | \$ 2.21    | \$ 2.33   | \$ 4.54   | \$ 113.50   |
| 909                 |           |          | 3/4" Dia Adjustable Clevis Hanger                                     | EA   | 116      | 0%      | 116                    | 0.060           | \$ 42.50       | \$ 2.55    | \$ 2.45   | \$ 5.00   | \$ 580.00   |
| 910                 |           |          | 1" Dia Adjustable Clevis Hanger                                       | EA   | 81       | 0%      | 81                     | 0.064           | \$ 42.50       | \$ 2.72    | \$ 2.66   | \$ 5.38   | \$ 435.78   |
| 911                 |           |          | 1-1/4" Dia Adjustable Clevis Hanger                                   | EA   | 30       | 0%      | 30                     | 0.072           | \$ 42.50       | \$ 3.06    | \$ 2.90   | \$ 5.96   | \$ 178.80   |
| 912                 |           |          | 1-1/2" Dia Adjustable Clevis Hanger                                   | EA   | 85       | 0%      | 85                     | 0.080           | \$ 42.50       | \$ 3.40    | \$ 3.05   | \$ 6.45   | \$ 548.25   |
| 913                 |           |          | 2" Dia Adjustable Clevis Hanger                                       | EA   | 52       | 0%      | 52                     | 0.085           | \$ 42.50       | \$ 3.61    | \$ 3.32   | \$ 6.93   | \$ 360.49   |
| 914                 |           |          | 2-1/2" Dia Adjustable Clevis Hanger                                   | EA   | 5        | 0%      | 5                      | 0.088           | \$ 42.50       | \$ 3.74    | \$ 4.11   | \$ 7.85   | \$ 39.25    |
| 915                 |           |          | 3" Dia Adjustable Clevis Hanger                                       | EA   | 22       | 0%      | 22                     | 0.092           | \$ 42.50       | \$ 3.91    | \$ 5.00   | \$ 8.91   | \$ 196.02   |
| 916                 |           |          | 4" Dia Adjustable Clevis Hanger                                       | EA   | 82       | 0%      | 82                     | 0.095           | \$ 42.50       | \$ 4.04    | \$ 6.30   | \$ 10.34  | \$ 847.68   |
| 917                 |           |          | 6" Dia Adjustable Clevis Hanger                                       | EA   | 16       | 0%      | 16                     | 0.100           | \$ 42.50       | \$ 4.25    | \$ 7.02   | \$ 11.27  | \$ 180.32   |
| 918                 |           |          | 3/8" Dia Threaded Rod (1 Ea. = 1 FT)                                  | EA   | 469      | 0%      | 469                    | 0.110           | \$ 42.50       | \$ 4.68    | \$ 6.85   | \$ 11.53  | \$ 5,405.23 |
| 919                 |           |          | 1/2" Dia Threaded Rod (1 Ea. = 1 FT)                                  | EA   | 161      | 0%      | 161                    | 0.120           | \$ 42.50       | \$ 5.10    | \$ 7.25   | \$ 12.35  | \$ 1,988.35 |
| 920                 |           |          | 5/8" Dia Threaded Rod (1 Ea. = 1 FT)                                  | EA   | 16       | 0%      | 16                     | 0.150           | \$ 42.50       | \$ 6.38    | \$ 7.69   | \$ 14.07  | \$ 225.04   |
| SUBTOTAL            |           |          |                                                                       |      |          |         |                        |                 |                |            |           | \$ 67,293 |             |
| OVERHEAD AND PROFIT |           |          |                                                                       |      |          |         |                        |                 |                |            |           | 15%       | \$1,550.898 |
| INSURANCE           |           |          |                                                                       |      |          |         |                        |                 |                |            |           | 3%        | \$46,527    |
| CONTINGENCY         |           |          |                                                                       |      |          |         |                        |                 |                |            |           | 5%        | \$77,548    |
| TAX                 |           |          |                                                                       |      |          |         |                        |                 |                |            |           | 7%        | \$65,103    |
| SUGGESTED BID       |           |          |                                                                       |      |          |         |                        |                 |                |            |           |           | \$1,972,708 |

## BREAKDOWN OF DUCT ITEMS

Prepared for: Covanta Pasco CDS J223048, Covanta Pasco, FL

Project ID:

Scope: Air Pollution Control Equipment Erection



Date: 14-May-25

| SR # | DESCRIPTION                 | UNIT | QUANTIT<br>Y | WASTAGE | QUANTITY<br>W/<br>WASTAGE |
|------|-----------------------------|------|--------------|---------|---------------------------|
| HVAC |                             |      |              |         |                           |
|      | GALVANIZED STEEL METAL DUCT |      |              |         |                           |
| 1    | 20" Dia Recirculating Duct  | LF   | 92           | 10%     | 102                       |
| 2    | 48" Dia Exhaust Air Duct    | LF   | 41           | 10%     | 45                        |
| 3    | 72" Dia Exhaust Duct        | LF   | 68           | 10%     | 75                        |
| 4    | 76" Dia Exhaust Air Duct    | LF   | 50           | 10%     | 55                        |
|      |                             |      |              |         |                           |