

# DECOMMISSIONING PLAN

**RE Kammerer Holdings LLC**

Use Permit Number: PLNP2010-00127

**Prepared For:**

Sacramento County Department  
of Planning and Community Development

September 2, 2011

**RECURRENT  
ENERGY**



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## 1.0 Project Description

RE Kammerer Holdings LLC (the “Project”) is a 15 megawatt (MW) photovoltaic (PV) solar farm to be constructed on 115 acres of disturbed, agricultural land in unincorporated Sacramento County near the City of Elk Grove. The Project is located at 8212 Kammerer Rd (APNs 132-0151-023 and 132-0151-024), approximately 0.5 mile south of Kammerer Rd. The Project site is designated Agricultural Cropland under the Sacramento County General Plan and has a zoning designation of AG-80. The Project will generate clean renewable energy from solar power, with the generated energy being sold to the Sacramento Municipal Utility District (“SMUD”) under a 20-year Power Purchase Agreement (PPA). The Project will interconnect to the existing SMUD 69kV transmission line along Kammerer Rd via a 0.5 mile 69kV generation tie (“gen-tie”) line running north/south between Kammerer Rd and the northeast corner of the Project site. The new 69kV gen-tie line will be backfilled along an existing SMUD 12kV line and SMUD easement.

## 2.0 Project Facility & Equipment

The facility will consist of an array of solar PV panels (i.e., modules) supported on a galvanized metal racking system; inverters connected to the modules through cabling; an internal project substation; and a telecommunication system.

The project site will be secured by a 6-foot-high chain-link perimeter fence topped with three-strand barbed wire (1-foot); two points of ingress/egress would be provided, each equipped with a locked gate.

### 2.1 Photovoltaic Modules

The PV modules will be manufactured at an off-site location and then transported to the Project site. The PV modules will be mounted on a galvanized metal racking system (that would include a metal single-axis utility-scale tracker) and would be connected to inverters. The modules will be made of a semiconductor material covered by a tempered glass pane; they would be dark colored, highly absorptive, and minimally reflective.

### 2.2 Standard Installation, Array Assembly, and Racking

The structure supporting the PV module arrays will consist of steel H-beams, which will be driven into the soil using pneumatic techniques, similar to a hydraulic rock hammer attachment on the boom of a rubber-tired backhoe excavator. Such H-beams, or “standards,” are typically spaced roughly 10 feet apart and installed to a revealed height of approximately 4 feet above grade.

Panel rows will be oriented in a north-south direction, with access roads oriented in an east-west direction. Once the standards are installed, the horizontal cross-members of the tracking system and associated motors will be placed and secured. A galvanized metal racking system, which will hold the PV modules in the proper position for maximum capture of solar insolation, will be field assembled and attached to the horizontal cross members.

### 2.3 Project Substation

The substation area will be excavated for the transformer equipment, control house foundations, and oil-containment area. The substation area will be prepared and excavated to accommodate the footings required for the termination equipment and control house foundation pad. The concrete foundations for the substation will be formed with plywood and reinforced with structural rebar.

## *2.4 Project's Useful Life*

The Project has an expected useful life of 35 years, with an opportunity for a lifetime of 50 years or more, with equipment replacement and repowering. The Project consists of numerous recyclable materials, including glass, semiconductor material, steel, wood, aluminum, copper, and plastics. When the Project reaches the end of its operational life, the component parts can be dismantled and recycled. The Project components will be dismantled and removed using minimal impact conventional construction equipment and recycled or disposed of safely.

## **3.0 Procedures for Decommissioning After Operations Cease**

All decommissioning and restoration activities will adhere to the requirements of appropriate governing authorities, and will be in accordance with all applicable federal, provincial, and local permits. The decommissioning and restoration process comprises removal of above ground structures; removal of below ground structures; and restoration of topsoil, re-vegetation, and seeding. Appropriate temporary (construction-related) erosion and sedimentation control best management practices (BMP) will be used during the decommissioning phase of the project. The BMPs will be inspected on a regular basis to ensure their function.

### *3.1 Timing for Removal*

Decommissioning of the Project will occur immediately following (i) the expiration of the CUP or (ii) the abandonment of the facility without the Project making efforts to cure a disruption of electricity production, whichever occurs first. All equipment removal and initial revegetation of the site shall begin within six (6) months and be completed within twelve (12) months.

### *3.2 General Removal Process*

Effectively, the decommissioning of the Project proceeds in reverse order of the installation.

1. The PV facility shall be disconnected from the utility power grid.
2. PV modules shall be disconnected, collected, and either shipped to another project, salvaged, or submitted to a collection and recycling program.
3. Site aboveground and underground electrical interconnection and distribution cables shall be removed and recycled off-site by an approved recycling facility.
4. PV module support H-beams and aluminum racking shall be removed and recycled off-site by an approved metals recycler.
5. Electrical and electronic devices, including transformers and inverters shall be removed and recycled off-site by an approved recycler.
6. Concrete foundations shall be removed and recycled off-site by a concrete recycler.
7. Fencing shall be removed and will be recycled off-site by an approved recycler.
8. The only roads constructed for the project site will be the interior perimeter fire break road to be constructed of a minimum 4" aggregate base. The interior roads can remain onsite should the landowner choose to retain them, or be removed and the gravel repurposed either on- or off-site.
9. The Project site may be converted to other uses in accordance with applicable land use regulations in effect at that time of decommissioning. There are no permanent changes to the site and it can be restored to its original condition including revegetation. Any soil removed for construction purposes will be relocated on the site or used for landscaping after construction is complete.

### *3.3 Removal of Electrical Equipment, PV Modules, and Infrastructure*

Above ground electrical wiring, equipment on the inverter pads and the interconnection transformer pad, and other associated equipment will be removed as part of decommissioning. At decommissioning, the system will be de-energized and all external electrical lines feeding into or out of the solar facility will be subject to “a lock out/tag out.” The electrical components comprising the inverter pads and interconnection transformer pad will be salvaged and placed in appropriate shipping containers and secured in a truck transport trailer for shipment to the next location where it will be reused. The equipment on the inverter pads includes inverters, combiners, low voltage switch gear and a medium voltage transformers. The equipment on the interconnection transformer pad includes medium and high voltage switchgear and a high voltage transformer. All of this is modular and each unit is bolted to a concrete pad.

The Project will have approximately 67,200 PV modules. The electrical connectors to each panel will be unfastened along with the combiner boxes and disconnect switches and the bolts and fasteners attaching each module to the racks will be removed. The module will be removed from the rack and placed in secure transport crates and placed into a trailer for storage and ultimately for transportation to another facility. The bolts and reusable fasteners will be saved for reuse also.

Once the solar modules have been removed, the racks will be disassembled and the H-beams supporting the racks will be removed. The H-beams will require a track hoe or equivalent piece of machinery to extract the beams by pulling them out vertically. Both the racks and H-beams will be scraped and sold for salvage value. The racks are bolted and disassembly involves removing the bolts and stacking the rack components for salvage.

Any underground electrical equipment, including electrical wiring, will be extracted and removed from the site. The wiring is either copper or aluminum (depending on the function/location) encapsulated in an insulating plastic material; most of the materials are desirable commodities that can be recycled.

All gravel roads, fences, and concrete pads that supported the inverters, transformers and related equipment will be removed. All fences and gates will be maintained at all times until the road removal process is complete and the area is ready to be demobilized. The fence and gate shall be removed and all materials recycled to the greatest extent possible. The area will be thoroughly cleaned and all debris removed before the property is disked for revegetation.

### *3.4 Procedures for Decommissioning During Construction (Abandonment of Project)*

In case of abandonment of the Project during construction, the same decommissioning procedures as for Decommissioning after Operations Cease will be undertaken and the same decommissioning and restoration program will be honored, in as far as construction proceeded before abandonment. The facility will be dismantled, materials removed and recycled, the soil that was removed will be graded and the site returned to preconstruction conditions.

## 4.0 Engineer's Opinion of Probable Construction Cost

### 4.1 Cost Estimate with all material at salvage value and disposal costs

Provost & Pritchard Consulting Group has prepared an Engineer's Opinion of the Probable Construction Cost to decommission the facility. In the most conservative approach (worse case), it is assumed that photovoltaic modules are not used. Rather, all equipment is disassembled and the salvage value for raw materials minus the disposal costs, labor and equipment is the net cost of construction. All foreseeable costs were accounted for including:

- Permits and Fees (5% of Labor & Equipment)
- General Contingency (10% of Labor & Equipment)
- Construction Management and Inspection (5% of Labor & Equipment)
- Labor & Equipment Escalation (10%)
- SWPPP and Dust Control Measures
- Removal of all equipment
- Disposal fees
- Site Demolition
- Site Reclamation including application of manure compost and seed mixture

Additional, this decommissioning plan calls for the sustainable recycling of electronic waste, and the cost estimates accounts for a \$0.30 per pound disposal fee of electronic waste. Of course, all material disposal fees are also accounted for in the cost estimate.

The full cost estimate is included in Appendix A. Figure 1 below provides a summary of cost.

**ENGINEER'S OPINION OF PROBABLE DECOMMISSIONING COST: (\$89,493.17)**

The salvage value of steel provides most of the value of the construction, and in this worst case scenario it is profitable to conduct decommissioning by +\$89,493. In other words, the owner or responsible party for this facility experiences a financial gain of \$89k.



**ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST**  
**RECURRENT ENERGY**  
**DECOMMISSIONING RE KAMMERER SOLAR GENERATING FACILITY**  
**SACRAMENTO COUNTY, CALIFORNIA**

Report Date: August 28, 2011

| Item                                     | Description   | QTY       | UOM | Unit Price       | Amount                |
|--|---|-----------|-----|------------------|-----------------------|
| <b>SWPPP &amp; Dust Control Measures</b> |   |           |     |                  |                       |
| 1.                                       | Stabilized Construction Entrances (40' Wide x 80' Long x .5' Thick) | 2         | EA  | \$7,784.00       | \$15,568.00           |
| 2.                                       | Perimeter Silt Fencing (18" Height)                                 | 9,081     | LF  | \$4.32           | \$39,239.55           |
| 3.                                       | Barricades With Speed Limit Signage                                 | 8         | EA  | \$272.00         | \$2,176.00            |
| 4.                                       | Spill Kits (Emergency Equipment Cleanup)                            | 2         | EA  | \$427.00         | \$854.00              |
| 5.                                       | Street Wash Down (Water Truck)                                      | 5         | DA  | \$904.00         | \$4,520.00            |
| 6.                                       | Dust Control Watering (Water Truck)                                 | 5         | DA  | \$904.00         | \$4,520.00            |
|  |   |           |     | <b>Subtotal</b>  | <b>\$66,877.55</b>    |
| <b>Removal of Equipment</b>              |   |           |     |                  |                       |
| 7.                                       | Remove & Recycle Substation Conductors                              | 900       | LF  | \$0.65           | \$588.60              |
| 8.                                       | Remove & Recycle Substation & Inverter Step Up Transformers         | 10        | EA  | \$627.33         | \$6,273.33            |
| 9.                                       | Remove & Recycle Substation Disconnect Switches                     | 5         | EA  | \$387.33         | \$1,936.67            |
| 10.                                      | Remove & Recycle Substation 69 kV Circuit Breakers                  | 1         | EA  | \$627.33         | \$627.33              |
| 11.                                      | Remove & Recycle Substation Pedestals                               | 12        | EA  | \$299.83         | \$3,598.00            |
| 12.                                      | Remove & Recycle Substation Dead End Structures                     | 1         | EA  | \$189.83         | \$189.83              |
| 13.                                      | Remove & Recycle Inverter Conductor (Inverter/Xfmr Pad To Sub.)     | 6,456     | LF  | \$2.52           | \$16,243.30           |
| 14.                                      | Remove & Recycle 2,000A Switchboard Assemblies                      | 9         | EA  | \$927.33         | \$8,346.00            |
| 15.                                      | Remove & Recycle 500 kW Inverters                                   | 30        | EA  | \$927.33         | \$27,820.00           |
| 16.                                      | Remove & Recycle Inverter/Xfmr Pads                                 | 9         | EA  | \$1,745.60       | \$15,710.40           |
| 17.                                      | Remove & Recycle Panel Conductor (Panel to Inverter/Xfmr Pad)       | 1,747,200 | LF  | \$0.01           | \$18,077.10           |
| 18.                                      | Remove & Recycle Photovoltaic Modules (Panels)                      | 67,200    | EA  | (\$0.36)         | (\$23,923.20)         |
| 19.                                      | Remove & Recycle 4" Posts & Support Assemblies (4 Panels/Post)      | 16,800    | EA  | (\$41.53)        | (\$697,738.15)        |
| 20.                                      | Remove & Recycle 6" Posts (1 Post/Row)                              | 1,254     | EA  | (\$26.67)        | (\$33,446.40)         |
|  |   |           |     | <b>Subtotal</b>  | <b>(\$655,697.19)</b> |
| <b>Site Demolition</b>                   |   |           |     |                  |                       |
| 21.                                      | Remove & Recycle 6' Chain Link Fence & Gates                        | 9,081     | LF  | \$1.53           | \$13,881.57           |
| 22.                                      | Remove & Recycle Substation 6' Chain Link Fence & Gates             | 424       | LF  | \$1.53           | \$647.82              |
| 23.                                      | Remove & Salvage 4" Gravel Perimeter Road (20' Wide Surfacing)      | 181,620   | SF  | \$0.25           | \$45,797.30           |
| 24.                                      | Remove & Salvage 4" Gravel Access Road (15' Wide Surfacing)         | 365,565   | SF  | \$0.25           | \$92,180.87           |
| 25.                                      | Remove & Salvage 4" Gravel Substation Surfacing                     | 10,048    | SF  | \$0.25           | \$2,533.70            |
| 26.                                      | Remove & Dispose Substation Control Building                        | 1,682     | SF  | \$13.78          | \$23,180.50           |
|  |   |           |     | <b>Subtotal</b>  | <b>\$178,221.76</b>   |
| <b>Site Reclamation</b>                  |   |           |     |                  |                       |
| 27.                                      | Cut To Fill & Finish Grading (Tolerance = 0.20')                    | 1,656,780 | SF  | \$0.03           | \$48,218.93           |
| 28.                                      | Apply Manure Compost (Application Rate = 2 LD/AC Or 24 CY/AC)       | 2,712     | CY  | \$6.02           | \$16,328.50           |
| 29.                                      | Scarify & Blend Site (Depth = 6")                                   | 4,919,023 | SF  | \$0.01           | \$39,561.47           |
| 30.                                      | Seed Mixture (Application Rate = 25 LB/AC)                          | 2,825     | LB  | \$8.74           | \$24,690.50           |
|  |   |           |     | <b>Subtotal</b>  | <b>\$128,799.40</b>   |
| <b>Miscellaneous</b>                     |   |           |     |                  |                       |
| 31.                                      | General Contingency (10% Of Labor & Equipment)                      | 10        | %   | \$893,788.96     | \$89,378.90           |
| 32.                                      | Lab. & Equip. Escalation (.5% Year For 20 Years Of Lab. & Equip.)   | 10        | %   | \$893,788.96     | \$89,378.90           |
| 33.                                      | Recycled Material Escalation (.25% Year For 20 Years Of Material)   | 5         | %   | (\$1,516,627.45) | (\$75,831.37)         |
| 34.                                      | Const. Management & Inspection (5% Of Labor & Equipment)            | 5         | %   | \$893,788.96     | \$44,689.45           |
| 35.                                      | Permits Costs (5% Of Labor & Equipment)                             | 5         | %   | \$893,788.96     | \$44,689.45           |
|  |   |           |     | <b>Subtotal</b>  | <b>\$192,305.32</b>   |

**ENGINEER'S OPINION OF PROBABLE DECOMMISSIONING COST: (\$89,493.17)**

## 4.2 Cost Estimate with reuse of photovoltaic modules

Provost & Pritchard Consulting Group has also prepared a second Engineer's Opinion of the Probable Construction Cost to decommission the facility. In this more realistic approach, it is assumed that photovoltaic modules are reused, since they will be operating at an estimated 80% productive rate. The full cost estimate is included in Appendix A. The Figure 1 below provides a summary of cost.

**ALTERNATE - ENGINEER'S OPINION OF PROBABLE DECOMMISSIONING COST: (\$1,466,869.04)**

In other words, the owner or responsible party for this facility experiences a financial gain of **\$1.46M**.  
**Figure 2**

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| EST. 1968                                |   | ALTERNATE - ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST                             |                  |                         |
|--|---|--|------------------|-------------------------|
| <b>PROVOST &amp; PRITCHARD</b>           |   | <b>RECURRENT ENERGY</b>  |                  |                         |
| <b>CONSULTING GROUP</b>                  |   | <b>DECOMMISSIONING RE KAMMERER SOLAR GENERATING FACILITY</b>                             |                  |                         |
| An Employee Owned Company                |   | <b>SACRAMENTO COUNTY, CALIFORNIA</b>   |                  |                         |
|  |   | <b>Report Date: August 28, 2011</b>  |                  |                         |
| Item                                     | Description   | QTY UOM  | Unit Price       | Amount                  |
| <b>SWPPP &amp; Dust Control Measures</b> |   |  |                  |                         |
| 1.                                       | Stabilized Construction Entrances (40' Wide x 80' Long x .5' Thick) | 2 EA   | \$7,784.00       | \$15,568.00             |
| 2.                                       | Perimeter Silt Fencing (18" Height)                                 | 9,081 LF   | \$4.32           | \$39,239.55             |
| 3.                                       | Barricades With Speed Limit Signage                                 | 8 EA   | \$272.00         | \$2,176.00              |
| 4.                                       | Spill Kits (Emergency Equipment Cleanup)                            | 2 EA   | \$427.00         | \$854.00                |
| 5.                                       | Street Wash Down (Water Truck)                                      | 5 DA   | \$904.00         | \$4,520.00              |
| 6.                                       | Dust Control Watering (Water Truck)                                 | 5 DA   | \$904.00         | \$4,520.00              |
|  |   |  | <b>Subtotal</b>  | <b>\$66,877.55</b>      |
| <b>Removal of Equipment</b>              |   |  |                  |                         |
| 7.                                       | Remove & Recycle Substation Conductors                              | 900 LF   | \$0.65           | \$588.60                |
| 8.                                       | Remove & Recycle Substation & Inverter Step Up Transformers         | 10 EA  | \$627.33         | \$6,273.33              |
| 9.                                       | Remove & Recycle Substation Disconnect Switches                     | 5 EA   | \$387.33         | \$1,936.67              |
| 10.                                      | Remove & Recycle Substation 69 kV Circuit Breakers                  | 1 EA   | \$627.33         | \$627.33                |
| 11.                                      | Remove & Recycle Substation Pedestals                               | 12 EA  | \$299.83         | \$3,598.00              |
| 12.                                      | Remove & Recycle Substation Dead End Structures                     | 1 EA   | \$189.83         | \$189.83                |
| 13.                                      | Remove & Recycle Inverter Conductor (Inverter/Xfmr Pad To Sub.)     | 6,456 LF   | \$2.52           | \$16,243.30             |
| 14.                                      | Remove & Recycle 2,000A Switchboard Assemblies                      | 9 EA   | \$927.33         | \$8,346.00              |
| 15.                                      | Remove & Recycle 500 kW Inverters                                   | 30 EA  | \$927.33         | \$27,820.00             |
| 16.                                      | Remove & Recycle Inverter/Xfmr Pads                                 | 9 EA   | \$1,745.60       | \$15,710.40             |
| 17.                                      | Remove & Recycle Panel Conductor (Panel to Inverter/Xfmr Pad)       | 1,747,200 LF   | \$0.01           | \$18,077.10             |
| 18A.                                     | Remove & Salvage Photovoltaic Modules (Panels)                      | 67,200 EA  | (\$18.66)        | (\$1,253,683.20)        |
| 19.                                      | Remove & Recycle 4" Posts & Support Assemblies (4 Panels/Post)      | 16,800 EA  | (\$41.53)        | (\$697,738.15)          |
| 20.                                      | Remove & Recycle 6" Posts (1 Post/Row)                              | 1,254 EA   | (\$26.67)        | (\$33,446.40)           |
|  |   |  | <b>Subtotal</b>  | <b>(\$1,885,457.19)</b> |
| <b>Site Demolition</b>                   |   |  |                  |                         |
| 21.                                      | Remove & Recycle 6' Chain Link Fence & Gates                        | 9,081 LF   | \$1.53           | \$13,881.57             |
| 22.                                      | Remove & Recycle Substation 6' Chain Link Fence & Gates             | 424 LF   | \$1.53           | \$647.82                |
| 23.                                      | Remove & Salvage 4" Gravel Perimeter Road (20' Wide Surfacing)      | 181,620 SF   | \$0.25           | \$45,797.30             |
| 24.                                      | Remove & Salvage 4" Gravel Access Road (15' Wide Surfacing)         | 365,565 SF   | \$0.25           | \$92,180.87             |
| 25.                                      | Remove & Salvage 4" Gravel Substation Surfacing                     | 10,048 SF  | \$0.25           | \$2,533.70              |
| 26.                                      | Remove & Dispose Substation Control Building                        | 1,682 SF   | \$13.78          | \$23,180.50             |
|  |   |  | <b>Subtotal</b>  | <b>\$178,221.76</b>     |
| <b>Site Reclamation</b>                  |   |  |                  |                         |
| 27.                                      | Cut To Fill & Finish Grading (Tolerance = 0.20')                    | 1,656,780 SF   | \$0.03           | \$48,218.93             |
| 28.                                      | Apply Manure Compost (Application Rate = 2 LD/AC Or 24 CY/AC)       | 2,712 CY   | \$6.02           | \$16,328.50             |
| 29.                                      | Scarify & Blend Site (Depth = 6")                                   | 4,919,023 SF   | \$0.01           | \$39,561.47             |
| 30.                                      | Seed Mixture (Application Rate = 25 LB/AC)                          | 2,825 LB   | \$8.74           | \$24,690.50             |
|  |   |  | <b>Subtotal</b>  | <b>\$128,799.40</b>     |
| <b>Miscellaneous</b>                     |   |  |                  |                         |
| 31.                                      | General Contingency (10% Of Labor & Equipment)                      | 10 %   | \$893,788.96     | \$89,378.90             |
| 32.                                      | Lab. & Equip. Escalation (.5% Year For 20 Years Of Lab. & Equip.)   | 10 %   | \$893,788.96     | \$89,378.90             |
| 33.                                      | Recycled Material Escalation (.25% Year For 20 Years Of Material)   | 5 %  | (\$1,516,627.45) | (\$75,831.37)           |
| 34.                                      | Const. Management & Inspection (5% Of Labor & Equipment)            | 5 %  | \$893,788.96     | \$44,689.45             |
| 35.                                      | Permits Costs (5% Of Labor & Equipment)                             | 5 %  | \$893,788.96     | \$44,689.45             |
|  |   |  | <b>Subtotal</b>  | <b>\$192,305.32</b>     |
|  |   | <b>ALTERNATE - ENGINEER'S OPINION OF PROBABLE DECOMMISSIONING COST: (\$1,466,869.04)</b> |                  |                         |

### 4.3 Financial Guarantees for Decommissioning

For compliance with Conditions 10 and 11 of the Final Use Permit, RE Kammerer Holdings LLC will establish and maintain a **Decommissioning Reserve Account** to be managed by a third party financial institution determined by the Project financiers. The Account will be funded using payments from SMUD starting in Year 11 of the PPA term. Automatic routing of SMUD payments into the Decommissioning Reserve Account by a third party financial institution alleviates the County of any burden associated with notifying the project owner that decommissioning payments are due. During year eleven (11) of the PPA term, 10 percent (10%) of the estimated decommissioning cost shall be deposited into the Decommissioning Reserve Account. For each of the nine (9) subsequent years, 10% per year will be deposited into the Decommissioning Reserve Account, bringing the total to 100% of the estimated decommissioning costs. A revised cost estimate will be provided in year 11 prior to funding the Decommissioning Reserve Account upon which the funding amount will be based.

In the event that the Engineer's Opinion of Probable Cost for Decommissioning is zero or less than zero (as currently estimated), the RE Kammerer Holdings LLC will assume a minimum cost of **\$100,000.00**. Thus, in year 11, \$10,000.00 (10%) will be funded with \$10,000 each subsequent year so that in year 20, the account is funded a minimum of \$100,000.00 or until the PPA contract is renewed.

If a PPA contract is renewed, extended, or a new PPA is contracted, then the third party institution managing the Decommissioning Reserve Account will return the funds to the project owner, so long as the project owner has put in place similar arrangements (or alternative arrangements satisfactory to the County) whereby a percentage of the expected decommissioning costs of the project are reserved during the last 10 years of the new or extended PPA.

Both the County and the land owner have an interest in decommissioning the facility after operations cease at the end of its useful life or should it be abandoned. The third party financial institution responsible for managing the Decommissioning Reserve Account would have a contractual obligation to the land owners not to release funds from the Decommissioning Reserve Account other than for payment of costs of decommissioning of the project. The detailed terms and conditions under which the funds would be permitted to be released from the Decommissioning Reserve Account would be explicitly defined in an Escrow Account Agreement executed by the project owner, the land owner and the selected third party institution.

The proposed solar power project is comprised of several levels of contracts that are in place to ensure performance during the operational life; therefore it is a very low-risk, secure investment, with significant performance incentives.

1. **Secured Revenue Stream:** Each project has a PPA with SMUD that guarantees a fixed rate payment for the power generated during a 20 year term. SMUD's A+ credit rating backs the PPA and assures that power payments will reliably be made to cover operating costs and the initial investment. In contrast to most businesses that the County permits, the solar facility is not selling into an open market, but rather has a fixed revenue stream for 20 years – an assurance that should give the County great comfort around the operations of the facility.
2. **Operational Security:** Solar modules are the primary component to the solar facility and represent approximately half of the overall project cost. The Suntech modules being used for the Project carries with it a 25-year performance warranty. In the event a module breaks down, the manufacturer provides a replacement module at no cost to the facility owner. Solar fuel is free and low operational costs provide few opportunities for mismanagement or project failure.
3. **Performance Incentives:** Because SMUD is paying only for kilowatt hours produced, the facility owner is highly motivated to select high quality equipment, invest in system design, and manage

the facility to run it optimally for the duration of the term and life of the facility. Bank financing of initial project costs will ensure deep scrutiny of selected equipment and operational contracts to protect their investments. Following the financial complications of the last few years, banks are more conservative and require deeper diligence than ever before.

4. Security Against Company Performance: Should the project owners fail to operate the facility successfully, the financiers, as long-term investors in the project, will step in to take over the facility and run the project for the life of the PPA.
5. High Residual Value: At the conclusion of the 20 year PPA contract term, the facility will have an additional 15+ years of operational life, free of encumbrances and can operate at an extremely low cost, thus creating a high residual value of the facility. The equipment will no longer be cutting edge, but its production of kilowatt hours will always have value and the equipment's performance will be guaranteed by an industry standard solar module warranty to be approximately 80% of its original production. The owner will either establish another long-term PPA contract or sell high value peak production into the spot market. If the facility cannot remain on the same parcel of land, the expected value of the kilowatt hours the facility can produce between years 21 and 35 is worth roughly 30 times the cost to remove and relocate the facility to another market where there is a buyer for the power, making the removal of the system a sound economic decision for the owner.
6. Salvage Value: At the end of the CUP term, after 35 years, the facility value will be reduced to the value of the commodity materials it's constructed of – steel, copper, aluminum, and silicon.

## Appendix A Engineer's Opinion of the Probable Construction Cost, Provost & Pritchard, August 2011

**Engineer's Opinion Of Probable Construction Cost  
Decommissioning RE Kammerer Solar Generating Facility  
Sacramento County, California**

**Prepared for:**

**Recurrent Energy  
300 California Street, 8th Floor  
San Francisco, CA 94104**

**Report Date: August 28, 2011**

**Prepared by:**



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**Engineer's Opinion Of Probable Construction Cost  
Decommissioning RE Kammerer Solar Generating Facility  
Sacramento County, California**

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**ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST**

**RECURRENT ENERGY  
DECOMMISSIONING RE KAMMERER SOLAR GENERATING FACILITY  
SACRAMENTO COUNTY, CALIFORNIA**

Report Date: August 28, 2011

| Item                                     | Description   | QTY       | UOM | Unit Price       | Amount                |
|--|---|-----------|-----|------------------|-----------------------|
| <b>SWPPP &amp; Dust Control Measures</b> |   |           |     |                  |                       |
| 1.                                       | Stabilized Construction Entrances (40' Wide x 80' Long x .5' Thick) | 2         | EA  | \$7,784.00       | \$15,568.00           |
| 2.                                       | Perimeter Silt Fencing (18" Height)                                 | 9,081     | LF  | \$4.32           | \$39,239.55           |
| 3.                                       | Barricades With Speed Limit Signage                                 | 8         | EA  | \$272.00         | \$2,176.00            |
| 4.                                       | Spill Kits (Emergency Equipment Cleanup)                            | 2         | EA  | \$427.00         | \$854.00              |
| 5.                                       | Street Wash Down (Water Truck)                                      | 5         | DA  | \$904.00         | \$4,520.00            |
| 6.                                       | Dust Control Watering (Water Truck)                                 | 5         | DA  | \$904.00         | \$4,520.00            |
|  |   |           |     | <b>Subtotal</b>  | <b>\$66,877.55</b>    |
| <b>Removal of Equipment</b>              |   |           |     |                  |                       |
| 7.                                       | Remove & Recycle Substation Conductors                              | 900       | LF  | \$0.65           | \$588.60              |
| 8.                                       | Remove & Recycle Substation & Inverter Step Up Transformers         | 10        | EA  | \$627.33         | \$6,273.33            |
| 9.                                       | Remove & Recycle Substation Disconnect Switches                     | 5         | EA  | \$387.33         | \$1,936.67            |
| 10.                                      | Remove & Recycle Substation 69 kV Circuit Breakers                  | 1         | EA  | \$627.33         | \$627.33              |
| 11.                                      | Remove & Recycle Substation Pedestals                               | 12        | EA  | \$299.83         | \$3,598.00            |
| 12.                                      | Remove & Recycle Substation Dead End Structures                     | 1         | EA  | \$189.83         | \$189.83              |
| 13.                                      | Remove & Recycle Inverter Conductor (Inverter/Xfmr Pad To Sub.)     | 6,456     | LF  | \$2.52           | \$16,243.30           |
| 14.                                      | Remove & Recycle 2,000A Switchboard Assemblies                      | 9         | EA  | \$927.33         | \$8,346.00            |
| 15.                                      | Remove & Recycle 500 kW Inverters                                   | 30        | EA  | \$927.33         | \$27,820.00           |
| 16.                                      | Remove & Recycle Inverter/Xfmr Pads                                 | 9         | EA  | \$1,745.60       | \$15,710.40           |
| 17.                                      | Remove & Recycle Panel Conductor (Panel to Inverter/Xfmr Pad)       | 1,747,200 | LF  | \$0.01           | \$18,077.10           |
| 18.                                      | Remove & Recycle Photovoltaic Modules (Panels)                      | 67,200    | EA  | (\$0.36)         | (\$23,923.20)         |
| 19.                                      | Remove & Recycle 4" Posts & Support Assemblies (4 Panels/Post)      | 16,800    | EA  | (\$41.53)        | (\$697,738.15)        |
| 20.                                      | Remove & Recycle 6" Posts (1 Post/Row)                              | 1,254     | EA  | (\$26.67)        | (\$33,446.40)         |
|  |   |           |     | <b>Subtotal</b>  | <b>(\$655,697.19)</b> |
| <b>Site Demolition</b>                   |   |           |     |                  |                       |
| 21.                                      | Remove & Recycle 6' Chain Link Fence & Gates                        | 9,081     | LF  | \$1.53           | \$13,881.57           |
| 22.                                      | Remove & Recycle Substation 6' Chain Link Fence & Gates             | 424       | LF  | \$1.53           | \$647.82              |
| 23.                                      | Remove & Salvage 4" Gravel Perimeter Road (20' Wide Surfacing)      | 181,620   | SF  | \$0.25           | \$45,797.30           |
| 24.                                      | Remove & Salvage 4" Gravel Access Road (15' Wide Surfacing)         | 365,565   | SF  | \$0.25           | \$92,180.87           |
| 25.                                      | Remove & Salvage 4" Gravel Substation Surfacing                     | 10,048    | SF  | \$0.25           | \$2,533.70            |
| 26.                                      | Remove & Dispose Substation Control Building                        | 1,682     | SF  | \$13.78          | \$23,180.50           |
|  |   |           |     | <b>Subtotal</b>  | <b>\$178,221.76</b>   |
| <b>Site Reclamation</b>                  |   |           |     |                  |                       |
| 27.                                      | Cut To Fill & Finish Grading (Tolerance = 0.20')                    | 1,656,780 | SF  | \$0.03           | \$48,218.93           |
| 28.                                      | Apply Manure Compost (Application Rate = 2 LD/AC Or 24 CY/AC)       | 2,712     | CY  | \$6.02           | \$16,328.50           |
| 29.                                      | Scarify & Blend Site (Depth = 6")                                   | 4,919,023 | SF  | \$0.01           | \$39,561.47           |
| 30.                                      | Seed Mixture (Application Rate = 25 LB/AC)                          | 2,825     | LB  | \$8.74           | \$24,690.50           |
|  |   |           |     | <b>Subtotal</b>  | <b>\$128,799.40</b>   |
| <b>Miscellaneous</b>                     |   |           |     |                  |                       |
| 31.                                      | General Contingency (10% Of Labor & Equipment)                      | 10        | %   | \$893,788.96     | \$89,378.90           |
| 32.                                      | Lab. & Equip. Escalation (.5% Year For 20 Years Of Lab. & Equip.)   | 10        | %   | \$893,788.96     | \$89,378.90           |
| 33.                                      | Recycled Material Escalation (.25% Year For 20 Years Of Material)   | 5         | %   | (\$1,516,627.45) | (\$75,831.37)         |
| 34.                                      | Const. Management & Inspection (5% Of Labor & Equipment)            | 5         | %   | \$893,788.96     | \$44,689.45           |
| 35.                                      | Permits Costs (5% Of Labor & Equipment)                             | 5         | %   | \$893,788.96     | \$44,689.45           |
|  |   |           |     | <b>Subtotal</b>  | <b>\$192,305.32</b>   |

**ENGINEER'S OPINION OF PROBABLE DECOMMISSIONING COST: (\$89,493.17)**



**ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST**  
**RECURRENT ENERGY**  
**DECOMMISSIONING RE KAMMERER SOLAR GENERATING FACILITY**  
**SACRAMENTO COUNTY, CALIFORNIA**

Report Date: August 28, 2011

| Item                                     | Description   | QTY       | UOM | Labor        | Equipment    | Other Material | Steel Material | Aluminum Material | Copper Material | Glass Material | Electronic Waste Material | Subtotal       | Duration (Days) |        |
|--|---|-----------|-----|--------------|--------------|----------------|----------------|-------------------|-----------------|----------------|---------------------------|----------------|-----------------|--------|
| <b>SWPPP &amp; Dust Control Measures</b> |   |           |     |              |              |                |                |                   |                 |                |                           |                |                 |        |
| 1.                                       | Stabilized Construction Entrances (40' Wide x 80' Long x .5' Thick) | 2         | EA  | \$8,528.00   | \$4,320.00   | \$2,720.00     |                |                   |                 |                |                           | \$15,568.00    | 1.00            |        |
| 2.                                       | Perimeter Silt Fencing (18" Height)                                 | 9,081     | LF  | \$20,886.30  | \$8,772.25   | \$9,581.00     |                |                   |                 |                |                           | \$39,239.55    | 2.27            |        |
| 3.                                       | Barricades With Speed Limit Signage                                 | 8         | EA  | \$656.00     | \$120.00     | \$1,400.00     |                |                   |                 |                |                           | \$2,176.00     | 0.50            |        |
| 4.                                       | Spill Kits (Emergency Equipment Cleanup)                            | 2         | EA  | \$324.00     | \$30.00      | \$500.00       |                |                   |                 |                |                           | \$854.00       | 0.25            |        |
| 5.                                       | Street Wash Down (Water Truck)                                      | 5         | DA  | \$2,520.00   | \$2,000.00   | \$0.00         |                |                   |                 |                |                           | \$4,520.00     | 5.00            |        |
| 6.                                       | Dust Control Watering (Water Truck)                                 | 5         | DA  | \$2,520.00   | \$2,000.00   | \$0.00         |                |                   |                 |                |                           | \$4,520.00     | 5.00            |        |
| <b>Removal of Equipment</b>              |   |           |     |              |              |                |                |                   |                 |                |                           |                |                 |        |
| 7.                                       | Remove & Recycle Substation Conductors                              | 900       | LF  | \$925.20     | \$248.40     |                |                | (\$585.00)        |                 |                |                           | \$588.60       | 0.45            |        |
| 8.                                       | Remove & Recycle Substation & Inverter Step Up Transformers         | 10        | EA  | \$2,246.67   | \$1,026.67   |                |                |                   |                 |                | \$3,000.00                | \$6,273.33     | 0.83            |        |
| 9.                                       | Remove & Recycle Substation Disconnect Switches                     | 5         | EA  | \$1,123.33   | \$513.33     |                |                |                   |                 |                | \$300.00                  | \$1,936.67     | 0.42            |        |
| 10.                                      | Remove & Recycle Substation 69kV Circuit Breakers                   | 1         | EA  | \$224.67     | \$102.67     |                |                |                   |                 |                | \$300.00                  | \$627.33       | 0.08            |        |
| 11.                                      | Remove & Recycle Substation Pedestals                               | 12        | EA  | \$2,696.00   | \$1,232.00   |                | (\$330.00)     |                   |                 |                |                           | \$3,598.00     | 1.00            |        |
| 12.                                      | Remove & Recycle Substation Dead End Structures                     | 1         | EA  | \$224.67     | \$102.67     |                | (\$137.50)     |                   |                 |                |                           | \$189.83       | 0.08            |        |
| 13.                                      | Remove & Recycle Inverter Conductor (Inverter/Xfmr Pad To Sub.)     | 6,456     | LF  | \$12,395.52  | \$7,721.38   |                |                | (\$3,873.60)      |                 |                |                           | \$16,243.30    | 3.23            |        |
| 14.                                      | Remove & Recycle 2,000A Switchboard Assemblies                      | 9         | EA  | \$2,022.00   | \$924.00     |                |                |                   |                 |                | \$5,400.00                | \$8,346.00     | 0.75            |        |
| 15.                                      | Remove & Recycle 500 kW Inverters                                   | 30        | EA  | \$6,740.00   | \$3,080.00   |                |                |                   |                 |                | \$18,000.00               | \$27,820.00    | 2.50            |        |
| 16.                                      | Remove & Recycle Inverter/Xfmr Pads                                 | 9         | EA  | \$9,734.40   | \$5,976.00   |                |                |                   |                 |                |                           | \$15,710.40    | 1.80            |        |
| 17.                                      | Remove & Recycle Panel Conductor (Panel to Inverter/Xfmr Pad)       | 1,747,200 | LF  | \$79,564.80  | \$44,486.40  |                |                |                   | (\$105,974.10)  |                |                           | \$18,077.10    | 16.80           |        |
| 18.                                      | Remove & Recycle Photovoltaic Modules (Panels)                      | 67,200    | EA  | \$197,836.80 | \$80,640.00  |                |                | (\$393,120.00)    |                 | (\$188,160.00) | \$278,880.00              | (\$23,923.20)  | 33.60           |        |
| 19.                                      | Remove & Recycle 4" Posts & Support Ass. (4 Panels/Post)            | 16,800    | EA  | \$52,483.20  | \$26,678.40  |                | (\$776,899.75) |                   |                 |                |                           | (\$697,738.15) | 8.40            |        |
| 20.                                      | Remove & Recycle 6" Posts (1 Post/Row)                              | 1,254     | EA  | \$3,917.50   | \$1,991.35   |                | (\$39,355.25)  |                   |                 |                |                           | (\$33,446.40)  | 0.63            |        |
| <b>Site Demolition</b>                   |   |           |     |              |              |                |                |                   |                 |                |                           |                |                 |        |
| 21.                                      | Remove & Recycle 6' Chain Link Fence & Gates                        | 9,081     | LF  | \$14,529.60  | \$6,610.97   | \$567.50       | (\$7,826.50)   |                   |                 |                |                           | \$13,881.57    | 4.54            |        |
| 22.                                      | Remove & Recycle Substation 6' Chain Link Fence & Gates             | 424       | LF  | \$678.40     | \$308.67     | \$26.50        | (\$365.75)     |                   |                 |                |                           | \$647.82       | 0.21            |        |
| 23.                                      | Remove & Salvage 4" Gravel Perimeter Road (20' Wide Surfacing)      | 181,620   | SF  | \$24,293.49  | \$21,503.81  | \$0.00         |                |                   |                 |                |                           | \$45,797.30    | 3.63            |        |
| 24.                                      | Remove & Salvage 4" Gravel Access Road (15' Wide Surfacing)         | 365,565   | SF  | \$48,897.97  | \$43,282.90  | \$0.00         |                |                   |                 |                |                           | \$92,180.87    | 7.31            |        |
| 25.                                      | Remove & Salvage 4" Gravel Substation Surfacing                     | 10,048    | SF  | \$1,344.02   | \$1,189.68   | \$0.00         |                |                   |                 |                |                           | \$2,533.70     | 0.20            |        |
| 26.                                      | Remove & Dispose Substation Control Building                        | 1,682     | SF  | \$9,096.26   | \$5,584.24   | \$8,500.00     |                |                   |                 |                |                           | \$23,180.50    | 1.68            |        |
| <b>Site Reclamation</b>                  |   |           |     |              |              |                |                |                   |                 |                |                           |                |                 |        |
| 27.                                      | Cut To Fill & Finish Grading (Tolerance = 0.20')                    | 1,656,780 | SF  | \$21,206.78  | \$27,012.14  | \$0.00         |                |                   |                 |                |                           | \$48,218.93    | 3.31            |        |
| 28.                                      | Apply Compost (Application Rate = 2LD/AC Or 24 CY/AC)               | 2,712     | CY  | \$8,418.50   | \$4,520.00   | \$3,390.00     |                |                   |                 |                |                           | \$16,328.50    | 1.77            |        |
| 29.                                      | Scarify & Blend Site (Depth = 6")                                   | 4,919,023 | SF  | \$13,852.16  | \$25,709.31  | \$0.00         |                |                   |                 |                |                           | \$39,561.47    | 4.71            |        |
| 30.                                      | Seed Mixture (Application Rate = 25 LB/AC)                          | 2,825     | LB  | \$6,356.25   | \$9,859.25   | \$8,475.00     |                |                   |                 |                |                           | \$24,690.50    | 3.53            |        |
| <b>Miscellaneous</b>                     |   |           |     |              |              |                |                |                   |                 |                |                           |                |                 |        |
| 31.                                      | General Contingency (10% Of Labor & Equipment)                      | 10        | %   |              |              |                |                |                   |                 |                |                           | \$89,378.90    |                 |        |
| 32.                                      | Lab. & Equip. Escalation (.5% Year For 20 Years Of Lab. & Equip.)   | 10        | %   |              |              |                |                |                   |                 |                |                           | \$89,378.90    |                 |        |
| 33.                                      | Recycled Material Escalation (.25% Year For 20 Years Of Material)   | 5         | %   |              |              |                |                |                   |                 |                |                           | (\$75,831.37)  |                 |        |
| 34.                                      | Const. Management & Inspection (5% Of Labor & Equipment)            | 5         | %   |              |              |                |                |                   |                 |                |                           | \$44,689.45    |                 |        |
| 35.                                      | Permits Costs (5% Of Labor & Equipment)                             | 5         | %   |              |              |                |                |                   |                 |                |                           | \$44,689.45    |                 |        |
| <b>Subtotals</b>                         |   |           |     |              | \$556,242.49 | \$337,546.48   | \$35,160.00    | (\$824,914.75)    | (\$397,578.60)  | (\$105,974.10) | (\$188,160.00)            | \$305,880.00   | (\$89,493.17)   | 115.49 |



**ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST**  
**RECURRENT ENERGY**  
**DECOMMISSIONING RE KAMMERER SOLAR GENERATING FACILITY**  
**SACRAMENTO COUNTY, CALIFORNIA**

Report Date: August 28, 2011

| Item                                     | Description   | QTY       | UOM | Duration (Days) | 20XX          |   |   |   |   |   |   |   |   |   |   |   | Incremental (Months) | Cumulative (Months) |
|--|---|-----------|-----|-----------------|---------------|---|---|---|---|---|---|---|---|---|---|---|----------------------|---------------------|
|  |   |           |     |                 | J             | F | M | A | M | J | J | A | S | O | N | D |                      |                     |
| <b>SWPPP &amp; Dust Control Measures</b> |   |           |     |                 |               |   |   |   |   |   |   |   |   |   |   |   |                      |                     |
| 1.                                       | Stabilized Construction Entrances (40' Wide x 80' Long x .5' Thick) | 2         | EA  | 1.00            |               |   |   |   |   |   |   |   |   |   |   |   | 0.05                 | 0.05                |
| 2.                                       | Perimeter Silt Fencing (18" Height)                                 | 9,081     | LF  | 2.27            |               |   |   |   |   |   |   |   |   |   |   |   | 0.11                 | 0.16                |
| 3.                                       | Barricades With Speed Limit Signage                                 | 8         | EA  | 0.50            |               |   |   |   |   |   |   |   |   |   |   |   | 0.02                 | 0.18                |
| 4.                                       | Spill Kits (Emergency Equipment Cleanup)                            | 2         | EA  | 0.25            |               |   |   |   |   |   |   |   |   |   |   |   | 0.01                 | 0.19                |
| 5.                                       | Street Wash Down (Water Truck)                                      | 5         | DA  | 5.00            |               |   |   |   |   |   |   |   |   |   |   |   | 0.24                 | 0.43                |
| 6.                                       | Dust Control Watering (Water Truck)                                 | 5         | DA  | 5.00            |               |   |   |   |   |   |   |   |   |   |   |   | 0.24                 | <b>0.67</b>         |
| <b>Removal of Equipment</b>              |   |           |     |                 |               |   |   |   |   |   |   |   |   |   |   |   |                      |                     |
| 7.                                       | Remove & Recycle Substation Conductors                              | 900       | LF  | 0.45            |               |   |   |   |   |   |   |   |   |   |   |   | 0.02                 | 0.69                |
| 8.                                       | Remove & Recycle Substation & Inverter Step Up Transformers         | 10        | EA  | 0.83            |               |   |   |   |   |   |   |   |   |   |   |   | 0.04                 | 0.73                |
| 9.                                       | Remove & Recycle Substation Disconnect Switches                     | 5         | EA  | 0.42            |               |   |   |   |   |   |   |   |   |   |   |   | 0.02                 | 0.75                |
| 10.                                      | Remove & Recycle Substation 69kV Circuit Breakers                   | 1         | EA  | 0.08            |               |   |   |   |   |   |   |   |   |   |   |   | 0.00                 | 0.75                |
| 11.                                      | Remove & Recycle Substation Pedestals                               | 12        | EA  | 1.00            |               |   |   |   |   |   |   |   |   |   |   |   | 0.05                 | 0.80                |
| 12.                                      | Remove & Recycle Substation Dead End Structures                     | 1         | EA  | 0.08            |               |   |   |   |   |   |   |   |   |   |   |   | 0.00                 | 0.80                |
| 13.                                      | Remove & Recycle Inverter Conductor (Inverter/Xfmr Pad To Sub.)     | 6,456     | LF  | 3.23            |               |   |   |   |   |   |   |   |   |   |   |   | 0.15                 | 0.96                |
| 14.                                      | Remove & Recycle 2,000A Switchboard Assemblies                      | 9         | EA  | 0.75            |               |   |   |   |   |   |   |   |   |   |   |   | 0.04                 | 0.99                |
| 15.                                      | Remove & Recycle 500 kW Inverters                                   | 30        | EA  | 2.50            |               |   |   |   |   |   |   |   |   |   |   |   | 0.12                 | 1.11                |
| 16.                                      | Remove & Recycle Inverter/Xfmr Pads                                 | 9         | EA  | 1.80            |               |   |   |   |   |   |   |   |   |   |   |   | 0.09                 | 1.20                |
| 17.                                      | Remove & Recycle Panel Conductor (Panel to Inverter/Xfmr Pad)       | 1,747,200 | LF  | 16.80           |               |   |   |   |   |   |   |   |   |   |   |   | 0.80                 | 2.00                |
| 18.                                      | Remove & Recycle Photovoltaic Modules (Panels)                      | 67,200    | EA  | 33.60           |               |   |   |   |   |   |   |   |   |   |   |   | 1.60                 | 3.60                |
| 19.                                      | Remove & Recycle 4" Posts & Support Ass. (4 Panels/Post)            | 16,800    | EA  | 8.40            |               |   |   |   |   |   |   |   |   |   |   |   | 0.40                 | 4.00                |
| 20.                                      | Remove & Recycle 6" Posts (1 Post/Row)                              | 1,254     | EA  | 0.63            |               |   |   |   |   |   |   |   |   |   |   |   | 0.03                 | <b>4.03</b>         |
| <b>Site Demolition</b>                   |   |           |     |                 |               |   |   |   |   |   |   |   |   |   |   |   |                      |                     |
| 21.                                      | Remove & Recycle 6' Chain Link Fence & Gates                        | 9,081     | LF  | 4.54            |               |   |   |   |   |   |   |   |   |   |   |   | 0.22                 | 4.24                |
| 22.                                      | Remove & Recycle Substation 6' Chain Link Fence & Gates             | 424       | LF  | 0.21            |               |   |   |   |   |   |   |   |   |   |   |   | 0.01                 | 4.25                |
| 23.                                      | Remove & Salvage 4" Gravel Perimeter Road (20' Wide Surfacing)      | 181,620   | SF  | 3.63            |               |   |   |   |   |   |   |   |   |   |   |   | 0.17                 | 4.43                |
| 24.                                      | Remove & Salvage 4" Gravel Access Road (15' Wide Surfacing)         | 365,565   | SF  | 7.31            |               |   |   |   |   |   |   |   |   |   |   |   | 0.35                 | 4.78                |
| 25.                                      | Remove & Salvage 4" Gravel Substation Surfacing                     | 10,048    | SF  | 0.20            |               |   |   |   |   |   |   |   |   |   |   |   | 0.01                 | 4.79                |
| 26.                                      | Remove & Dispose Substation Control Building                        | 1,682     | SF  | 1.68            |               |   |   |   |   |   |   |   |   |   |   |   | 0.08                 | <b>4.87</b>         |
| <b>Site Reclamation</b>                  |   |           |     |                 |               |   |   |   |   |   |   |   |   |   |   |   |                      |                     |
| 27.                                      | Cut To Fill & Finish Grading (Tolerance = 0.20')                    | 1,656,780 | SF  | 3.31            |               |   |   |   |   |   |   |   |   |   |   |   | 0.16                 | 5.02                |
| 28.                                      | Apply Compost (Application Rate = 2LD/AC Or 24 CY/AC)               | 2,712     | CY  | 1.77            |               |   |   |   |   |   |   |   |   |   |   |   | 0.08                 | 5.11                |
| 29.                                      | Scarify & Blend Site (Depth = 6")                                   | 4,919,023 | SF  | 4.71            |               |   |   |   |   |   |   |   |   |   |   |   | 0.22                 | 5.33                |
| 30.                                      | Seed Mixture (Application Rate = 25 LB/AC)                          | 2,825     | LB  | 3.53            |               |   |   |   |   |   |   |   |   |   |   |   | 0.17                 | <b>5.50</b>         |
| <b>Miscellaneous</b>                     |   |           |     |                 |               |   |   |   |   |   |   |   |   |   |   |   |                      |                     |
| 31.                                      | General Contingency (10% Of Labor & Equipment)                      | 10        | %   |                 |               |   |   |   |   |   |   |   |   |   |   |   |                      |                     |
| 32.                                      | Lab. & Equip. Escalation (.5% Year For 20 Years Of Lab. & Equip.)   | 10        | %   |                 |               |   |   |   |   |   |   |   |   |   |   |   |                      |                     |
| 33.                                      | Recycled Material Escalation (.25% Year For 20 Years Of Material)   | 5         | %   |                 |               |   |   |   |   |   |   |   |   |   |   |   |                      |                     |
| 34.                                      | Const. Management & Inspection (5% Of Labor & Equipment)            | 5         | %   |                 |               |   |   |   |   |   |   |   |   |   |   |   |                      |                     |
| 35.                                      | Permits Costs (5% Of Labor & Equipment)                             | 5         | %   |                 |               |   |   |   |   |   |   |   |   |   |   |   |                      |                     |
| <b>Subtotals</b>                         |   |           |     |                 | <b>115.49</b> |   |   |   |   |   |   |   |   |   |   |   |                      | <b>6</b>            |

**Schedule Notes:**  
 1. Schedule based on attached detail sheets.  
 2. Schedule activities based on basic finish start logic.

| Description                      | Hourly Rate | Hours           | Total Amount     |
|----------------------------------|-------------|-----------------|------------------|
| <b>Labor</b>                     |             |                 |                  |
| Operating Foreman                | \$82        | 874.06          | \$71,673         |
| Operating Engineer               | \$80        | 1,560.41        | \$124,833        |
| Labor Foreman                    | \$68        | 0.00            | \$0              |
| Laborer                          | \$56        | 3,547.87        | \$198,681        |
| Cement Mason Foreman             | \$68        | 0.00            | \$0              |
| Cement Mason                     | \$64        | 0.00            | \$0              |
| Carpenter Foreman                | \$72        | 0.00            | \$0              |
| Carpenter                        | \$68        | 0.00            | \$0              |
| Teamster                         | \$63        | 2,556.45        | \$161,057        |
| <b>Subtotals</b>                 |             | <b>8,538.79</b> | <b>\$556,242</b> |
| <b>Equipment</b>                 |             |                 |                  |
| Pickup                           | \$15        | 874.06          | \$13,111         |
| Flatrack Truck                   | \$32        | 1,874.01        | \$59,968         |
| Air Compressor                   | \$21        | 0.00            | \$0              |
| Loader JD 210C 4x4               | \$46        | 0.00            | \$0              |
| Loader/Backhoe JD 710            | \$63        | 56.18           | \$3,539          |
| Excavator Cat 330L               | \$95        | 260.30          | \$24,728         |
| Excavator Cat 345                | \$138       | 0.00            | \$0              |
| Loader Cat 950                   | \$68        | 0.00            | \$0              |
| Loader Cat 966                   | \$85        | 693.71          | \$58,965         |
| Loader Cat 980                   | \$109       | 0.00            | \$0              |
| Dozer Cat D6                     | \$114       | 0.00            | \$0              |
| Dozer Cat D8                     | \$155       | 0.00            | \$0              |
| Dozer Cat D10                    | \$284       | 103.53          | \$29,404         |
| Scraper Cat 613                  | \$97        | 0.00            | \$0              |
| Scraper Cat 623                  | \$173       | 284.35          | \$49,192         |
| Scraper Cat 631                  | \$196       | 0.00            | \$0              |
| Scraper Cat 657 Push-Pull        | \$496       | 0.00            | \$0              |
| Motor Grader Cat 140H            | \$74        | 160.34          | \$11,865         |
| Motor Grader Cat 143H            | \$79        | 0.00            | \$0              |
| Motor Grader Cat 14H             | \$91        | 0.00            | \$0              |
| Asphalt Paver                    | \$219       | 0.00            | \$0              |
| Oil Distributor Truck            | \$109       | 0.00            | \$0              |
| Shuttle Buggy                    | \$251       | 0.00            | \$0              |
| Roller 1-3 Ton                   | \$41        | 0.00            | \$0              |
| Roller 4-6 Ton                   | \$50        | 0.00            | \$0              |
| Roller 7-9 Ton                   | \$74        | 0.00            | \$0              |
| Roller 10+ Ton                   | \$79        | 0.00            | \$0              |
| Rubber Tire Roller               | \$65        | 0.00            | \$0              |
| 66" Single Drum Roller           | \$68        | 0.00            | \$0              |
| 84" Single Drum Roller           | \$74        | 0.00            | \$0              |
| Compactor Cat 815                | \$120       | 0.00            | \$0              |
| Compactor Cat 825                | \$138       | 0.00            | \$0              |
| Power Kick Brooms                | \$101       | 0.00            | \$0              |
| Street Sweeper/Pickup Broom      | \$53        | 0.00            | \$0              |
| Water Truck (2,000 Gal)          | \$48        | 0.00            | \$0              |
| Water Truck (4,000 Gal)          | \$50        | 1,090.41        | \$54,521         |
| Double Bottom Dump Truck (25 TN) | \$22        | 0.00            | \$0              |
| Transfer Truck (25 TN)           | \$22        | 0.00            | \$0              |
| Semi End Dump Truck (25 TN)      | \$22        | 1,197.24        | \$26,339         |
| Low Bed Truck                    | \$22        | 268.80          | \$5,914          |
| <b>Subtotals</b>                 |             | <b>6,862.93</b> | <b>\$337,546</b> |



| Item   | Description                         | QTY      | UOM        | Unit Price        | Total Amount       | Notes                                      |
|--|-------------------------------------|----------|------------|-------------------|--------------------|--|
| 2  | Perimeter Silt Fencing (18" Height) | 9,081    | LF         | \$4.32            | \$39,239.55        | Install Operation                          |
|  | Production Rate (Rate/Day)          | 4,000.00 |            |                   |                    | OF 1<br>OE 1                               |
|  | Duration (Days)                     | 2.27     |            |                   |                    | L 4<br>T 1                                 |
| <b>Description Of Work, Assumptions, &amp; Notes</b>   |                                     |          |            |                   |                    |  |
| 1. User definable fields are highlighted in yellow. Production rates based on 8 HR/SH. Item provides labor / equipment / material ratio. |                                     |          |            |                   |                    |  |
| 2. Item includes installation and removal at end of project.   |                                     |          |            |                   |                    |  |
| 3. Item is based on installing silt fence around entire perimeter of project.  |                                     |          |            |                   |                    |  |
| Removal Operation  |                                     |          |            |                   |                    |  |
|  |                                     |          |            |                   |                    | OF 1<br>OE 1<br>L 4<br>T 5<br>PU 1<br>FT 2 |
|  |                                     |          |            |                   |                    | 710 1<br>SE 4<br>WT 1                      |
| Description  | Hourly Rate                         | QTY      | Days       | Hours             | Total Amount       |  |
| <b>Labor</b>   |                                     |          |            |                   |                    |  |
| Operating Foreman  | \$82                                | 2        | 2.27       | 36.32             | \$2,978.57         |  |
| Operating Engineer   | \$80                                | 2        | 2.27       | 36.32             | \$2,905.92         |  |
| Labor Foreman  | \$68                                | 0        | 2.27       | 0.00              | \$0.00             |  |
| Laborer  | \$56                                | 8        | 2.27       | 145.30            | \$8,136.58         |  |
| Cement Mason Foreman   | \$68                                | 0        | 2.27       | 0.00              | \$0.00             |  |
| Cement Mason   | \$64                                | 0        | 2.27       | 0.00              | \$0.00             |  |
| Carpenter Foreman  | \$72                                | 0        | 2.27       | 0.00              | \$0.00             |  |
| Carpenter  | \$68                                | 0        | 2.27       | 0.00              | \$0.00             |  |
| Teamster   | \$63                                | 6        | 2.27       | 108.97            | \$6,865.24         |  |
| <b>Subtotals</b>   |                                     |          |            | <b>326.92</b>     | <b>\$20,886.30</b> |  |
| <b>Equipment</b>   |                                     |          |            |                   |                    |  |
| Pickup   | \$15                                | 2        | 2.27       | 36.32             | \$544.86           |  |
| Flatrack Truck   | \$32                                | 4        | 2.27       | 72.65             | \$2,324.74         |  |
| Air Compressor   | \$21                                | 0        | 2.27       | 0.00              | \$0.00             |  |
| Loader JD 210C 4x4   | \$46                                | 0        | 2.27       | 0.00              | \$0.00             |  |
| Loader/Backhoe JD 710  | \$63                                | 1        | 2.27       | 18.16             | \$1,144.21         |  |
| Excavator Cat 330L   | \$95                                | 0        | 2.27       | 0.00              | \$0.00             |  |
| Excavator Cat 345  | \$138                               | 0        | 2.27       | 0.00              | \$0.00             |  |
| Loader Cat 950   | \$68                                | 0        | 2.27       | 0.00              | \$0.00             |  |
| Loader Cat 966   | \$85                                | 0        | 2.27       | 0.00              | \$0.00             |  |
| Loader Cat 980   | \$109                               | 0        | 2.27       | 0.00              | \$0.00             |  |
| Dozer Cat D6   | \$114                               | 0        | 2.27       | 0.00              | \$0.00             |  |
| Dozer Cat D8   | \$155                               | 0        | 2.27       | 0.00              | \$0.00             |  |
| Dozer Cat D10  | \$284                               | 0        | 2.27       | 0.00              | \$0.00             |  |
| Scraper Cat 613  | \$97                                | 0        | 2.27       | 0.00              | \$0.00             |  |
| Scraper Cat 623  | \$173                               | 0        | 2.27       | 0.00              | \$0.00             |  |
| Scraper Cat 631  | \$196                               | 0        | 2.27       | 0.00              | \$0.00             |  |
| Scraper Cat 657 Push-Pull  | \$496                               | 0        | 2.27       | 0.00              | \$0.00             |  |
| Motor Grader Cat 140H  | \$74                                | 1        | 2.27       | 18.16             | \$1,343.99         |  |
| Motor Grader Cat 143H  | \$79                                | 0        | 2.27       | 0.00              | \$0.00             |  |
| Motor Grader Cat 14H   | \$91                                | 0        | 2.27       | 0.00              | \$0.00             |  |
| Asphalt Paver  | \$219                               | 0        | 2.27       | 0.00              | \$0.00             |  |
| Oil Distributor Truck  | \$109                               | 0        | 2.27       | 0.00              | \$0.00             |  |
| Shuttle Buggy  | \$251                               | 0        | 2.27       | 0.00              | \$0.00             |  |
| Roller 1-3 Ton   | \$41                                | 0        | 2.27       | 0.00              | \$0.00             |  |
| Roller 4-6 Ton   | \$50                                | 0        | 2.27       | 0.00              | \$0.00             |  |
| Roller 7-9 Ton   | \$74                                | 0        | 2.27       | 0.00              | \$0.00             |  |
| Roller 10+ Ton   | \$79                                | 0        | 2.27       | 0.00              | \$0.00             |  |
| Rubber Tire Roller   | \$65                                | 0        | 2.27       | 0.00              | \$0.00             |  |
| 66" Single Drum Roller   | \$68                                | 0        | 2.27       | 0.00              | \$0.00             |  |
| 84" Single Drum Roller   | \$74                                | 0        | 2.27       | 0.00              | \$0.00             |  |
| Compactor Cat 815  | \$120                               | 0        | 2.27       | 0.00              | \$0.00             |  |
| Compactor Cat 825  | \$138                               | 0        | 2.27       | 0.00              | \$0.00             |  |
| Power Kick Brooms  | \$101                               | 0        | 2.27       | 0.00              | \$0.00             |  |
| Street Sweeper/Pickup Broom  | \$53                                | 0        | 2.27       | 0.00              | \$0.00             |  |
| Water Truck (2,000 Gal)  | \$48                                | 0        | 2.27       | 0.00              | \$0.00             |  |
| Water Truck (4,000 Gal)  | \$50                                | 2        | 2.27       | 36.32             | \$1,816.20         |  |
| Double Bottom Dump Truck (25 TN)   | \$22                                | 0        | 2.27       | 0.00              | \$0.00             |  |
| Transfer Truck (25 TN)   | \$22                                | 0        | 2.27       | 0.00              | \$0.00             |  |
| Semi End Dump Truck (25 TN)  | \$22                                | 4        | 2.27       | 72.65             | \$1,598.26         |  |
| Low Bed Truck  | \$22                                | 0        | 2.27       | 0.00              | \$0.00             |  |
| <b>Subtotals</b>   |                                     |          |            | <b>254.27</b>     | <b>\$8,772.25</b>  |  |
| Description  | QTY                                 | UOM      | Unit Price | Total Amount      |                    |  |
| <b>Material</b>  |                                     |          |            |                   |                    |  |
| Buy Silt Fence Material - Allowance  | 9,081.00                            | LF       | \$1.00     | \$9,081.00        |                    |  |
| Material Disposal Fee - Allowance  | 1.00                                | LS       | \$500.00   | \$500.00          |                    |  |
|  | 0.00                                |          | \$0.00     | \$0.00            |                    |  |
|  | 0.00                                |          | \$0.00     | \$0.00            |                    |  |
| <b>Subtotals</b>   |                                     |          |            | <b>\$9,581.00</b> |                    |  |
|  |                                     |          |            | <b>Page Total</b> | <b>\$39,239.55</b> |  |





















Item Detail

| Item   | Description   | QTY      | UOM               | Unit Price          | Total Amount       | Notes             |
|--|---|----------|-------------------|---------------------|--------------------|-------------------|
| 13   | Remove & Recycle Inverter Conductor (Inverter/Xfmr Pad To Sub.) | 6,456    | LF                | \$2.52              | \$16,243.30        | Removal Operation |
|  | Production Rate (Rate/Day)                                      | 2,000.00 |                   |                     |                    | OF 1              |
|  | Duration (Days)   | 3.23     |                   |                     |                    | OE 2              |
|  |   |          |                   |                     |                    | L 2               |
|  |   |          |                   |                     |                    | T 1               |
| <b>Description Of Work, Assumptions, &amp; Notes</b>   |   |          |                   |                     |                    | PU 1              |
| 1. User definable fields are highlighted in yellow. Production rates based on 8 HR/SH. Item provides labor / equipment / material ratio. |   |          |                   |                     |                    | FT 1              |
| 2. Item includes removal and offhaul. Item is based on recycling aluminum conductor with protective sheathing and insulation.            |   |          |                   |                     |                    | 330 1             |
| 3. Item is based on recycle and disposal pricing listed in the Report Assumptions section of this report.                                |   |          |                   |                     |                    | 966 1             |
| 4. Item is based on an 6,456 LF x 3 EA wire conductor = 19,368 LF.   |   |          |                   |                     |                    | WT 1              |
| 4. Item is based on an a direct bury aluminum wire conductor, insulation, protective sheathing, and an overall weight of 1 LB/LF.        |   |          |                   |                     |                    |                   |
| 5. Item is based on 19,368 LF x 1 LB/LF = 19,368 LB.   |   |          |                   |                     |                    | Offhaul Operation |
|  |   |          |                   |                     |                    | T 1               |
|  |   |          |                   |                     |                    | SE 1              |
|  |   |          |                   |                     |                    |                   |
|  |   |          |                   |                     |                    |                   |
| Description  | Hourly Rate   | QTY      | Days              | Hours               | Total Amount       |                   |
| <b>Labor</b>   |   |          |                   |                     |                    |                   |
| Operating Foreman  | \$82  | 1        | 3.23              | 25.82               | \$2,117.57         |                   |
| Operating Engineer   | \$80  | 2        | 3.23              | 51.65               | \$4,131.84         |                   |
| Labor Foreman  | \$68  | 0        | 3.23              | 0.00                | \$0.00             |                   |
| Laborer  | \$56  | 2        | 3.23              | 51.65               | \$2,892.29         |                   |
| Cement Mason Foreman   | \$68  | 0        | 3.23              | 0.00                | \$0.00             |                   |
| Cement Mason   | \$64  | 0        | 3.23              | 0.00                | \$0.00             |                   |
| Carpenter Foreman  | \$72  | 0        | 3.23              | 0.00                | \$0.00             |                   |
| Carpenter  | \$68  | 0        | 3.23              | 0.00                | \$0.00             |                   |
| Teamster   | \$63  | 2        | 3.23              | 51.65               | \$3,253.82         |                   |
| <b>Subtotals</b>   |   |          |                   | <b>180.77</b>       | <b>\$12,395.52</b> |                   |
| <b>Equipment</b>   |   |          |                   |                     |                    |                   |
| Pickup   | \$15  | 1        | 3.23              | 25.82               | \$387.36           |                   |
| Flatrack Truck   | \$32  | 1        | 3.23              | 25.82               | \$826.37           |                   |
| Air Compressor   | \$21  | 0        | 3.23              | 0.00                | \$0.00             |                   |
| Loader JD 210C 4x4   | \$46  | 0        | 3.23              | 0.00                | \$0.00             |                   |
| Loader/Backhoe JD 710  | \$63  | 0        | 3.23              | 0.00                | \$0.00             |                   |
| Excavator Cat 330L   | \$95  | 1        | 3.23              | 25.82               | \$2,453.28         |                   |
| Excavator Cat 345  | \$138   | 0        | 3.23              | 0.00                | \$0.00             |                   |
| Loader Cat 950   | \$68  | 0        | 3.23              | 0.00                | \$0.00             |                   |
| Loader Cat 966   | \$85  | 1        | 3.23              | 25.82               | \$2,195.04         |                   |
| Loader Cat 980   | \$109   | 0        | 3.23              | 0.00                | \$0.00             |                   |
| Dozer Cat D6   | \$114   | 0        | 3.23              | 0.00                | \$0.00             |                   |
| Dozer Cat D8   | \$155   | 0        | 3.23              | 0.00                | \$0.00             |                   |
| Dozer Cat D10  | \$284   | 0        | 3.23              | 0.00                | \$0.00             |                   |
| Scraper Cat 613  | \$97  | 0        | 3.23              | 0.00                | \$0.00             |                   |
| Scraper Cat 623  | \$173   | 0        | 3.23              | 0.00                | \$0.00             |                   |
| Scraper Cat 631  | \$196   | 0        | 3.23              | 0.00                | \$0.00             |                   |
| Scraper Cat 657 Push-Pull  | \$496   | 0        | 3.23              | 0.00                | \$0.00             |                   |
| Motor Grader Cat 140H  | \$74  | 0        | 3.23              | 0.00                | \$0.00             |                   |
| Motor Grader Cat 143H  | \$79  | 0        | 3.23              | 0.00                | \$0.00             |                   |
| Motor Grader Cat 14H   | \$91  | 0        | 3.23              | 0.00                | \$0.00             |                   |
| Asphalt Paver  | \$219   | 0        | 3.23              | 0.00                | \$0.00             |                   |
| Oil Distributor Truck  | \$109   | 0        | 3.23              | 0.00                | \$0.00             |                   |
| Shuttle Buggy  | \$251   | 0        | 3.23              | 0.00                | \$0.00             |                   |
| Roller 1-3 Ton   | \$41  | 0        | 3.23              | 0.00                | \$0.00             |                   |
| Roller 4-6 Ton   | \$50  | 0        | 3.23              | 0.00                | \$0.00             |                   |
| Roller 7-9 Ton   | \$74  | 0        | 3.23              | 0.00                | \$0.00             |                   |
| Roller 10+ Ton   | \$79  | 0        | 3.23              | 0.00                | \$0.00             |                   |
| Rubber Tire Roller   | \$65  | 0        | 3.23              | 0.00                | \$0.00             |                   |
| 66" Single Drum Roller   | \$68  | 0        | 3.23              | 0.00                | \$0.00             |                   |
| 84" Single Drum Roller   | \$74  | 0        | 3.23              | 0.00                | \$0.00             |                   |
| Compactor Cat 815  | \$120   | 0        | 3.23              | 0.00                | \$0.00             |                   |
| Compactor Cat 825  | \$138   | 0        | 3.23              | 0.00                | \$0.00             |                   |
| Power Kick Brooms  | \$101   | 0        | 3.23              | 0.00                | \$0.00             |                   |
| Street Sweeper/Pickup Broom  | \$53  | 0        | 3.23              | 0.00                | \$0.00             |                   |
| Water Truck (2,000 Gal)  | \$48  | 0        | 3.23              | 0.00                | \$0.00             |                   |
| Water Truck (4,000 Gal)  | \$50  | 1        | 3.23              | 25.82               | \$1,291.20         |                   |
| Double Bottom Dump Truck (25 TN)   | \$22  | 0        | 3.23              | 0.00                | \$0.00             |                   |
| Transfer Truck (25 TN)   | \$22  | 0        | 3.23              | 0.00                | \$0.00             |                   |
| Semi End Dump Truck (25 TN)  | \$22  | 1        | 3.23              | 25.82               | \$568.13           |                   |
| Low Bed Truck  | \$22  | 0        | 3.23              | 0.00                | \$0.00             |                   |
| <b>Subtotals</b>   |   |          |                   | <b>154.94</b>       | <b>\$7,721.38</b>  |                   |
| Description  | QTY   | UOM      | Unit Price        | Total Amount        |                    |                   |
| <b>Material</b>  |   |          |                   |                     |                    |                   |
| Aluminum "Dirty" Material Recycle Value - Bruno Iron & Metal   | 19,368.00   | LB       | (\$0.20)          | (\$3,873.60)        |                    |                   |
|  | 0.00  |          | \$0.00            | \$0.00              |                    |                   |
|  | 0.00  |          | \$0.00            | \$0.00              |                    |                   |
|  | 0.00  |          | \$0.00            | \$0.00              |                    |                   |
| <b>Subtotals</b>   |   |          |                   | <b>(\$3,873.60)</b> |                    |                   |
|  |   |          | <b>Page Total</b> | <b>\$16,243.30</b>  |                    |                   |





| Item  | Description                         | QTY  | UOM        | Unit Price        | Total Amount       | Notes               |
|---|-------------------------------------|------|------------|-------------------|--------------------|---------------------|
| 16  | Remove & Recycle Inverter/Xfmr Pads | 9    | EA         | \$1,745.60        | \$15,710.40        | Removal & Stockpile |
|   | Production Rate (Rate/Day)          | 5.00 |            |                   |                    | OF 1<br>OE 1        |
|   | Duration (Days)                     | 1.80 |            |                   |                    | L 1<br>T 1          |
| <b>Description Of Work, Assumptions, &amp; Notes</b>  |                                     |      |            |                   |                    | PU 1                |
| 1. User definable fields are highlighted in yellow. Production rates based on 8 HR/SH. Item provides labor / equipment / material ratio.            |                                     |      |            |                   |                    | FT 1                |
| 2. Item includes removal and offhaul operations. Material to be reused on site or alternate site and is based on higher reuse at an alternate site. |                                     |      |            |                   |                    | 330 1               |
| 3. Item is based on concrete pads that are approximately 25 LF x 40 LF = 1,000 SF/EA and a thickness of 6 IN.                                       |                                     |      |            |                   |                    | WT 1                |
| 4. Item is based on free disposal of broken concrete material within 4 mile radius.   |                                     |      |            |                   |                    |                     |
|   |                                     |      |            |                   |                    | Load & Offhaul      |
|   |                                     |      |            |                   |                    | OE 1                |
|   |                                     |      |            |                   |                    | T 5                 |
|   |                                     |      |            |                   |                    | 966 1               |
|   |                                     |      |            |                   |                    | SE 4                |
|   |                                     |      |            |                   |                    | WT 1                |
| Description   | Hourly Rate                         | QTY  | Days       | Hours             | Total Amount       |                     |
| <b>Labor</b>  |                                     |      |            |                   |                    |                     |
| Operating Foreman   | \$82                                | 1    | 1.80       | 14.40             | \$1,180.80         |                     |
| Operating Engineer  | \$80                                | 2    | 1.80       | 28.80             | \$2,304.00         |                     |
| Labor Foreman   | \$68                                | 0    | 1.80       | 0.00              | \$0.00             |                     |
| Laborer   | \$56                                | 1    | 1.80       | 14.40             | \$806.40           |                     |
| Cement Mason Foreman  | \$68                                | 0    | 1.80       | 0.00              | \$0.00             |                     |
| Cement Mason  | \$64                                | 0    | 1.80       | 0.00              | \$0.00             |                     |
| Carpenter Foreman   | \$72                                | 0    | 1.80       | 0.00              | \$0.00             |                     |
| Carpenter   | \$68                                | 0    | 1.80       | 0.00              | \$0.00             |                     |
| Teamster  | \$63                                | 6    | 1.80       | 86.40             | \$5,443.20         |                     |
| <b>Subtotals</b>  |                                     |      |            | <b>144.00</b>     | <b>\$9,734.40</b>  |                     |
| <b>Equipment</b>  |                                     |      |            |                   |                    |                     |
| Pickup  | \$15                                | 1    | 1.80       | 14.40             | \$216.00           |                     |
| Flatrack Truck  | \$32                                | 1    | 1.80       | 14.40             | \$460.80           |                     |
| Air Compressor  | \$21                                | 0    | 1.80       | 0.00              | \$0.00             |                     |
| Loader JD 210C 4x4  | \$46                                | 0    | 1.80       | 0.00              | \$0.00             |                     |
| Loader/Backhoe JD 710   | \$63                                | 0    | 1.80       | 0.00              | \$0.00             |                     |
| Excavator Cat 330L  | \$95                                | 1    | 1.80       | 14.40             | \$1,368.00         |                     |
| Excavator Cat 345   | \$138                               | 0    | 1.80       | 0.00              | \$0.00             |                     |
| Loader Cat 950  | \$68                                | 0    | 1.80       | 0.00              | \$0.00             |                     |
| Loader Cat 966  | \$85                                | 1    | 1.80       | 14.40             | \$1,224.00         |                     |
| Loader Cat 980  | \$109                               | 0    | 1.80       | 0.00              | \$0.00             |                     |
| Dozer Cat D6  | \$114                               | 0    | 1.80       | 0.00              | \$0.00             |                     |
| Dozer Cat D8  | \$155                               | 0    | 1.80       | 0.00              | \$0.00             |                     |
| Dozer Cat D10   | \$284                               | 0    | 1.80       | 0.00              | \$0.00             |                     |
| Scraper Cat 613   | \$97                                | 0    | 1.80       | 0.00              | \$0.00             |                     |
| Scraper Cat 623   | \$173                               | 0    | 1.80       | 0.00              | \$0.00             |                     |
| Scraper Cat 631   | \$196                               | 0    | 1.80       | 0.00              | \$0.00             |                     |
| Scraper Cat 657 Push-Pull   | \$496                               | 0    | 1.80       | 0.00              | \$0.00             |                     |
| Motor Grader Cat 140H   | \$74                                | 0    | 1.80       | 0.00              | \$0.00             |                     |
| Motor Grader Cat 143H   | \$79                                | 0    | 1.80       | 0.00              | \$0.00             |                     |
| Motor Grader Cat 14H  | \$91                                | 0    | 1.80       | 0.00              | \$0.00             |                     |
| Asphalt Paver   | \$219                               | 0    | 1.80       | 0.00              | \$0.00             |                     |
| Oil Distributor Truck   | \$109                               | 0    | 1.80       | 0.00              | \$0.00             |                     |
| Shuttle Buggy   | \$251                               | 0    | 1.80       | 0.00              | \$0.00             |                     |
| Roller 1-3 Ton  | \$41                                | 0    | 1.80       | 0.00              | \$0.00             |                     |
| Roller 4-6 Ton  | \$50                                | 0    | 1.80       | 0.00              | \$0.00             |                     |
| Roller 7-9 Ton  | \$74                                | 0    | 1.80       | 0.00              | \$0.00             |                     |
| Roller 10+ Ton  | \$79                                | 0    | 1.80       | 0.00              | \$0.00             |                     |
| Rubber Tire Roller  | \$65                                | 0    | 1.80       | 0.00              | \$0.00             |                     |
| 66" Single Drum Roller  | \$68                                | 0    | 1.80       | 0.00              | \$0.00             |                     |
| 84" Single Drum Roller  | \$74                                | 0    | 1.80       | 0.00              | \$0.00             |                     |
| Compactor Cat 815   | \$120                               | 0    | 1.80       | 0.00              | \$0.00             |                     |
| Compactor Cat 825   | \$138                               | 0    | 1.80       | 0.00              | \$0.00             |                     |
| Power Kick Brooms   | \$101                               | 0    | 1.80       | 0.00              | \$0.00             |                     |
| Street Sweeper/Pickup Broom   | \$53                                | 0    | 1.80       | 0.00              | \$0.00             |                     |
| Water Truck (2,000 Gal)   | \$48                                | 0    | 1.80       | 0.00              | \$0.00             |                     |
| Water Truck (4,000 Gal)   | \$50                                | 2    | 1.80       | 28.80             | \$1,440.00         |                     |
| Double Bottom Dump Truck (25 TN)  | \$22                                | 0    | 1.80       | 0.00              | \$0.00             |                     |
| Transfer Truck (25 TN)  | \$22                                | 0    | 1.80       | 0.00              | \$0.00             |                     |
| Semi End Dump Truck (25 TN)   | \$22                                | 4    | 1.80       | 57.60             | \$1,267.20         |                     |
| Low Bed Truck   | \$22                                | 0    | 1.80       | 0.00              | \$0.00             |                     |
| <b>Subtotals</b>  |                                     |      |            | <b>144.00</b>     | <b>\$5,976.00</b>  |                     |
| Description   | QTY                                 | UOM  | Unit Price | Total Amount      |                    |                     |
| <b>Material</b>   |                                     |      |            |                   |                    |                     |
|   | 0.00                                |      | \$0.00     | \$0.00            |                    |                     |
|   | 0.00                                |      | \$0.00     | \$0.00            |                    |                     |
|   | 0.00                                |      | \$0.00     | \$0.00            |                    |                     |
|   | 0.00                                |      | \$0.00     | \$0.00            |                    |                     |
| <b>Subtotals</b>  |                                     |      |            | <b>\$0.00</b>     |                    |                     |
|   |                                     |      |            | <b>Page Total</b> | <b>\$15,710.40</b> |                     |





| Item  | Description  | QTY      | UOM        | Unit Price            | Total Amount          | Notes               |
|---|--|----------|------------|-----------------------|-----------------------|---------------------|
| 19  | Remove & Recycle 4" Posts & Support Assemblies (8 Panels/Post) | 16,800   | EA         | (\$41.53)             | (\$697,738.15)        | Removal & Stockpile |
|   | Production Rate (Rate/Day)                                     | 2,000.00 |            |                       |                       | OF 1<br>OE 1        |
|   | Duration (Days)  | 8.40     |            |                       |                       | L 4<br>PU 1         |
| <b>Description Of Work, Assumptions, &amp; Notes</b>  |  |          |            |                       |                       |                     |
| 1. User definable fields are highlighted in yellow. Production rates based on 8 HR/SH. Item provides labor / equipment / material ratio.                      |  |          |            |                       |                       |                     |
| 2. Item includes removal and offhaul operations. Material to be recycled and salvaged if possible, but is based on lower recycled material value.             |  |          |            |                       |                       |                     |
| 3. Item is based on recycle and disposal pricing listed in the Report Assumptions section of this report.   |  |          |            |                       |                       |                     |
| 4. Item is based on 4X4X.25 square steel posts with an overall length of 12 LF and a unit weight of 12.21 LB/LF.  |  |          |            |                       |                       |                     |
| 5. Item is based on 4X4X.25 square steel beams with an overall length of 12 LF per beam, and a unit weight of 12.21 LB/LF.                                    |  |          |            |                       |                       |                     |
| 6. Item is based on 2X2X.25 square steel panel brackets with an overall length of 2 LF per panel and a unit weight of 5.41 LB/LF.                             |  |          |            |                       |                       |                     |
| 7. Item is based on 4X4X.25 square steel post tonnage quantity of 16,800 EA x 12 LF/EA = 201,600 LF x 12.21 LB/LF = 2,461,536 LB / 2,000 LB/TN = 1,230.77 TN. |  |          |            |                       |                       |                     |
| 8. Item is based on 4X4X.25 square steel beams quantity of 16,800 EA x 12 LF/EA = 200,600 LF x 12.21 LB/LF = 2,461,536 LB / 2,000 LB/TN = 1,230.77 TN.        |  |          |            |                       |                       |                     |
| 9. Item is based on 2X2X.25 square steel panel brackets quantity of 67,200 EA x 2 LF/EA = 134,400 LF x 5.41 LB/LF = 727,104 LB / 2,000 LB/TN = 363.55 TN.     |  |          |            |                       |                       |                     |
|   |  |          |            |                       |                       |                     |
|   |  |          |            |                       |                       |                     |
| Description   | Hourly Rate  | QTY      | Days       | Hours                 | Total Amount          |                     |
| <b>Labor</b>  |  |          |            |                       |                       |                     |
| Operating Foreman   | \$82   | 1        | 8.40       | 67.20                 | \$5,510.40            |                     |
| Operating Engineer  | \$80   | 2        | 8.40       | 134.40                | \$10,752.00           |                     |
| Labor Foreman   | \$68   | 0        | 8.40       | 0.00                  | \$0.00                |                     |
| Laborer   | \$56   | 4        | 8.40       | 268.80                | \$15,052.80           |                     |
| Cement Mason Foreman  | \$68   | 0        | 8.40       | 0.00                  | \$0.00                |                     |
| Cement Mason  | \$64   | 0        | 8.40       | 0.00                  | \$0.00                |                     |
| Carpenter Foreman   | \$72   | 0        | 8.40       | 0.00                  | \$0.00                |                     |
| Carpenter   | \$68   | 0        | 8.40       | 0.00                  | \$0.00                |                     |
| Teamster  | \$63   | 5        | 8.40       | 336.00                | \$21,168.00           |                     |
| <b>Subtotals</b>  |  |          |            | <b>806.40</b>         | <b>\$52,483.20</b>    |                     |
| <b>Equipment</b>  |  |          |            |                       |                       |                     |
| Pickup  | \$15   | 1        | 8.40       | 67.20                 | \$1,008.00            |                     |
| Flatrack Truck  | \$32   | 2        | 8.40       | 134.40                | \$4,300.80            |                     |
| Air Compressor  | \$21   | 0        | 8.40       | 0.00                  | \$0.00                |                     |
| Loader JD 210C 4x4  | \$46   | 0        | 8.40       | 0.00                  | \$0.00                |                     |
| Loader/Backhoe JD 710   | \$63   | 0        | 8.40       | 0.00                  | \$0.00                |                     |
| Excavator Cat 330L  | \$95   | 1        | 8.40       | 67.20                 | \$6,384.00            |                     |
| Excavator Cat 345   | \$138  | 0        | 8.40       | 0.00                  | \$0.00                |                     |
| Loader Cat 950  | \$68   | 0        | 8.40       | 0.00                  | \$0.00                |                     |
| Loader Cat 966  | \$85   | 1        | 8.40       | 67.20                 | \$5,712.00            |                     |
| Loader Cat 980  | \$109  | 0        | 8.40       | 0.00                  | \$0.00                |                     |
| Dozer Cat D6  | \$114  | 0        | 8.40       | 0.00                  | \$0.00                |                     |
| Dozer Cat D8  | \$155  | 0        | 8.40       | 0.00                  | \$0.00                |                     |
| Dozer Cat D10   | \$284  | 0        | 8.40       | 0.00                  | \$0.00                |                     |
| Scraper Cat 613   | \$97   | 0        | 8.40       | 0.00                  | \$0.00                |                     |
| Scraper Cat 623   | \$173  | 0        | 8.40       | 0.00                  | \$0.00                |                     |
| Scraper Cat 631   | \$196  | 0        | 8.40       | 0.00                  | \$0.00                |                     |
| Scraper Cat 657 Push-Pull   | \$496  | 0        | 8.40       | 0.00                  | \$0.00                |                     |
| Motor Grader Cat 140H   | \$74   | 0        | 8.40       | 0.00                  | \$0.00                |                     |
| Motor Grader Cat 143H   | \$79   | 0        | 8.40       | 0.00                  | \$0.00                |                     |
| Motor Grader Cat 14H  | \$91   | 0        | 8.40       | 0.00                  | \$0.00                |                     |
| Asphalt Paver   | \$219  | 0        | 8.40       | 0.00                  | \$0.00                |                     |
| Oil Distributor Truck   | \$109  | 0        | 8.40       | 0.00                  | \$0.00                |                     |
| Shuttle Buggy   | \$251  | 0        | 8.40       | 0.00                  | \$0.00                |                     |
| Roller 1-3 Ton  | \$41   | 0        | 8.40       | 0.00                  | \$0.00                |                     |
| Roller 4-6 Ton  | \$50   | 0        | 8.40       | 0.00                  | \$0.00                |                     |
| Roller 7-9 Ton  | \$74   | 0        | 8.40       | 0.00                  | \$0.00                |                     |
| Roller 10+ Ton  | \$79   | 0        | 8.40       | 0.00                  | \$0.00                |                     |
| Rubber Tire Roller  | \$65   | 0        | 8.40       | 0.00                  | \$0.00                |                     |
| 66" Single Drum Roller  | \$68   | 0        | 8.40       | 0.00                  | \$0.00                |                     |
| 84" Single Drum Roller  | \$74   | 0        | 8.40       | 0.00                  | \$0.00                |                     |
| Compactor Cat 815   | \$120  | 0        | 8.40       | 0.00                  | \$0.00                |                     |
| Compactor Cat 825   | \$138  | 0        | 8.40       | 0.00                  | \$0.00                |                     |
| Power Kick Brooms   | \$101  | 0        | 8.40       | 0.00                  | \$0.00                |                     |
| Street Sweeper/Pickup Broom   | \$53   | 0        | 8.40       | 0.00                  | \$0.00                |                     |
| Water Truck (2,000 Gal)   | \$48   | 0        | 8.40       | 0.00                  | \$0.00                |                     |
| Water Truck (4,000 Gal)   | \$50   | 1        | 8.40       | 67.20                 | \$3,360.00            |                     |
| Double Bottom Dump Truck (25 TN)  | \$22   | 0        | 8.40       | 0.00                  | \$0.00                |                     |
| Transfer Truck (25 TN)  | \$22   | 0        | 8.40       | 0.00                  | \$0.00                |                     |
| Semi End Dump Truck (25 TN)   | \$22   | 4        | 8.40       | 268.80                | \$5,913.60            |                     |
| Low Bed Truck   | \$22   | 0        | 8.40       | 0.00                  | \$0.00                |                     |
| <b>Subtotals</b>  |  |          |            | <b>672.00</b>         | <b>\$26,678.40</b>    |                     |
| Description   | QTY  | UOM      | Unit Price | Total Amount          |                       |                     |
| <b>Material</b>   |  |          |            |                       |                       |                     |
| Steel Post Material Recycle Value - Bruno Iron & Metal  | 1,230.77   | TN       | (\$275.00) | (\$338,461.75)        |                       |                     |
| Steel Torque Tube Material Recycle Value - Bruno Iron & Metal   | 1,230.77   | TN       | (\$275.00) | (\$338,461.75)        |                       |                     |
| Steel Panel Brackets Material Recycle Value - Bruno Iron & Metal  | 363.55   | TN       | (\$275.00) | (\$99,976.25)         |                       |                     |
|   | 0.00   |          | \$0.00     | \$0.00                |                       |                     |
| <b>Subtotals</b>  |  |          |            | <b>(\$776,899.75)</b> |                       |                     |
|   |  |          |            | <b>Page Total</b>     | <b>(\$697,738.15)</b> |                     |

Item Detail

| Item  | Description                            | QTY      | UOM        | Unit Price           | Total Amount         | Notes                        |
|---|--|----------|------------|----------------------|----------------------|------------------------------|
| 20  | Remove & Recycle 6" Posts (1 Post/Row) | 1,254    | EA         | (\$26.67)            | (\$33,446.40)        | Removal & Stockpile          |
|   | Production Rate (Rate/Day)             | 2,000.00 |            |                      |                      | OF 1<br>OE 1                 |
|   | Duration (Days)                        | 0.63     |            |                      |                      | L 4<br>PU 1<br>FT 2<br>330 1 |
| <b>Description Of Work, Assumptions, &amp; Notes</b>  |  |          |            |                      |                      |                              |
| 1. User definable fields are highlighted in yellow. Production rates based on 8 HR/SH. Item provides labor / equipment / material ratio.                |  |          |            |                      |                      |                              |
| 2. Item includes removal and offhaul operations. Material to be recycled and salvaged if possible, but is based on lower recycled material value.       |  |          |            |                      |                      |                              |
| 3. Item is based on recycle and disposal pricing listed in the Report Assumptions section of this report.   |  |          |            |                      |                      |                              |
| 4. Item is based on 6X6X.25 square steel posts with an overall length of 12 LF and a unit weight of 19.02 LB/LF.  |  |          |            |                      |                      |                              |
| 5. Item is based on 6X6X.25 square steel post tonnage quantity of 1,254 EA x 12 LF/EA = 15,048 LF x 19.02 LB/LF = 286,212 LB / 2,000 LB/TN = 143.11 TN. |  |          |            |                      |                      |                              |
| Load & Offhaul  |  |          |            |                      |                      |                              |
| OE 1<br>T 5<br>966 1<br>SE 4<br>WT 1  |  |          |            |                      |                      |                              |
| Description   | Hourly Rate                            | QTY      | Days       | Hours                | Total Amount         |                              |
| <b>Labor</b>  |  |          |            |                      |                      |                              |
| Operating Foreman   | \$82                                   | 1        | 0.63       | 5.02                 | \$411.31             |                              |
| Operating Engineer  | \$80                                   | 2        | 0.63       | 10.03                | \$802.56             |                              |
| Labor Foreman   | \$68                                   | 0        | 0.63       | 0.00                 | \$0.00               |                              |
| Laborer   | \$56                                   | 4        | 0.63       | 20.06                | \$1,123.58           |                              |
| Cement Mason Foreman  | \$68                                   | 0        | 0.63       | 0.00                 | \$0.00               |                              |
| Cement Mason  | \$64                                   | 0        | 0.63       | 0.00                 | \$0.00               |                              |
| Carpenter Foreman   | \$72                                   | 0        | 0.63       | 0.00                 | \$0.00               |                              |
| Carpenter   | \$68                                   | 0        | 0.63       | 0.00                 | \$0.00               |                              |
| Teamster  | \$63                                   | 5        | 0.63       | 25.08                | \$1,580.04           |                              |
| <b>Subtotals</b>  |  |          |            | <b>60.19</b>         | <b>\$3,917.50</b>    |                              |
| <b>Equipment</b>  |  |          |            |                      |                      |                              |
| Pickup  | \$15                                   | 1        | 0.63       | 5.02                 | \$75.24              |                              |
| Flatrack Truck  | \$32                                   | 2        | 0.63       | 10.03                | \$321.02             |                              |
| Air Compressor  | \$21                                   | 0        | 0.63       | 0.00                 | \$0.00               |                              |
| Loader JD 210C 4x4  | \$46                                   | 0        | 0.63       | 0.00                 | \$0.00               |                              |
| Loader/Backhoe JD 710   | \$63                                   | 0        | 0.63       | 0.00                 | \$0.00               |                              |
| Excavator Cat 330L  | \$95                                   | 1        | 0.63       | 5.02                 | \$476.52             |                              |
| Excavator Cat 345   | \$138                                  | 0        | 0.63       | 0.00                 | \$0.00               |                              |
| Loader Cat 950  | \$68                                   | 0        | 0.63       | 0.00                 | \$0.00               |                              |
| Loader Cat 966  | \$85                                   | 1        | 0.63       | 5.02                 | \$426.36             |                              |
| Loader Cat 980  | \$109                                  | 0        | 0.63       | 0.00                 | \$0.00               |                              |
| Dozer Cat D6  | \$114                                  | 0        | 0.63       | 0.00                 | \$0.00               |                              |
| Dozer Cat D8  | \$155                                  | 0        | 0.63       | 0.00                 | \$0.00               |                              |
| Dozer Cat D10   | \$284                                  | 0        | 0.63       | 0.00                 | \$0.00               |                              |
| Scraper Cat 613   | \$97                                   | 0        | 0.63       | 0.00                 | \$0.00               |                              |
| Scraper Cat 623   | \$173                                  | 0        | 0.63       | 0.00                 | \$0.00               |                              |
| Scraper Cat 631   | \$196                                  | 0        | 0.63       | 0.00                 | \$0.00               |                              |
| Scraper Cat 657 Push-Pull   | \$496                                  | 0        | 0.63       | 0.00                 | \$0.00               |                              |
| Motor Grader Cat 140H   | \$74                                   | 0        | 0.63       | 0.00                 | \$0.00               |                              |
| Motor Grader Cat 143H   | \$79                                   | 0        | 0.63       | 0.00                 | \$0.00               |                              |
| Motor Grader Cat 14H  | \$91                                   | 0        | 0.63       | 0.00                 | \$0.00               |                              |
| Asphalt Paver   | \$219                                  | 0        | 0.63       | 0.00                 | \$0.00               |                              |
| Oil Distributor Truck   | \$109                                  | 0        | 0.63       | 0.00                 | \$0.00               |                              |
| Shuttle Buggy   | \$251                                  | 0        | 0.63       | 0.00                 | \$0.00               |                              |
| Roller 1-3 Ton  | \$41                                   | 0        | 0.63       | 0.00                 | \$0.00               |                              |
| Roller 4-6 Ton  | \$50                                   | 0        | 0.63       | 0.00                 | \$0.00               |                              |
| Roller 7-9 Ton  | \$74                                   | 0        | 0.63       | 0.00                 | \$0.00               |                              |
| Roller 10+ Ton  | \$79                                   | 0        | 0.63       | 0.00                 | \$0.00               |                              |
| Rubber Tire Roller  | \$65                                   | 0        | 0.63       | 0.00                 | \$0.00               |                              |
| 66" Single Drum Roller  | \$68                                   | 0        | 0.63       | 0.00                 | \$0.00               |                              |
| 84" Single Drum Roller  | \$74                                   | 0        | 0.63       | 0.00                 | \$0.00               |                              |
| Compactor Cat 815   | \$120                                  | 0        | 0.63       | 0.00                 | \$0.00               |                              |
| Compactor Cat 825   | \$138                                  | 0        | 0.63       | 0.00                 | \$0.00               |                              |
| Power Kick Brooms   | \$101                                  | 0        | 0.63       | 0.00                 | \$0.00               |                              |
| Street Sweeper/Pickup Broom   | \$53                                   | 0        | 0.63       | 0.00                 | \$0.00               |                              |
| Water Truck (2,000 Gal)   | \$48                                   | 0        | 0.63       | 0.00                 | \$0.00               |                              |
| Water Truck (4,000 Gal)   | \$50                                   | 1        | 0.63       | 5.02                 | \$250.80             |                              |
| Double Bottom Dump Truck (25 TN)  | \$22                                   | 0        | 0.63       | 0.00                 | \$0.00               |                              |
| Transfer Truck (25 TN)  | \$22                                   | 0        | 0.63       | 0.00                 | \$0.00               |                              |
| Semi End Dump Truck (25 TN)   | \$22                                   | 4        | 0.63       | 20.06                | \$441.41             |                              |
| Low Bed Truck   | \$22                                   | 0        | 0.63       | 0.00                 | \$0.00               |                              |
| <b>Subtotals</b>  |  |          |            | <b>50.16</b>         | <b>\$1,991.35</b>    |                              |
| Description   | QTY                                    | UOM      | Unit Price | Total Amount         |                      |                              |
| <b>Material</b>   |  |          |            |                      |                      |                              |
| Steel Post Material Recycle Value - Bruno Iron & Metal  | 143.11                                 | TN       | (\$275.00) | (\$39,355.25)        |                      |                              |
|   | 0.00                                   |          | \$0.00     | \$0.00               |                      |                              |
|   | 0.00                                   |          | \$0.00     | \$0.00               |                      |                              |
|   | 0.00                                   |          | \$0.00     | \$0.00               |                      |                              |
| <b>Subtotals</b>  |  |          |            | <b>(\$39,355.25)</b> |                      |                              |
|   |  |          |            | <b>Page Total</b>    | <b>(\$33,446.40)</b> |                              |

Item Detail

| Item  | Description                                  | QTY      | UOM        | Unit Price          | Total Amount       | Notes             |
|---|--|----------|------------|---------------------|--------------------|-------------------|
| 21  | Remove & Recycle 6" Chain Link Fence & Gates | 9,081    | LF         | \$1.53              | \$13,881.57        | Removal Operation |
|   | Production Rate (Rate/Day)                   | 2,000.00 |            |                     |                    | OF 1              |
|   | Duration (Days)                              | 4.54     |            |                     |                    | OE 1              |
|   |  |          |            |                     |                    | L 2               |
|   |  |          |            |                     |                    | T 1               |
| <b>Description Of Work, Assumptions, &amp; Notes</b>  |  |          |            |                     |                    | PU 1              |
| 1. User definable fields are highlighted in yellow. Production rates based on 8 HR/SH. Item provides labor / equipment / material ratio.          |  |          |            |                     |                    | FT 1              |
| 2. Item includes removal and offhaul operations. Material to be recycled and salvaged if possible, but is based on lower recycled material value. |  |          |            |                     |                    | 710 1             |
| 3. Item is based on recycle and disposal pricing listed in the Report Assumptions section of this report.   |  |          |            |                     |                    | WT 1              |
| 4. Item is based on 2 IN steel posts with an overall length of 9 LF and a unit weight of 1.75 LB/LF.  |  |          |            |                     |                    |                   |
| 5. Item is based on chain link mesh with an overall height of 6 LF and a unit weight of 4.30 LB/LF.   |  |          |            |                     |                    | Offhaul Operation |
| 6. Item is based on post quantity of 9,081 LF / 8 LF/EA = 1,135 EA x 9 LF/EA = 10,216 LF x 1.75 LB/LF = 17,878 LB / 2,000 LB/TN = 8.94 TN.        |  |          |            |                     |                    | T 1               |
| 7. Item is based on fabric quantity of 9,081 LF x 4.30 LB/LF = 39,048 LB / 2,000 LB/TN = 19.52 TN.  |  |          |            |                     |                    | SE 1              |
| <b>Summary Table 1</b>  |  |          |            |                     |                    |                   |
| Description   | Hourly Rate                                  | QTY      | Days       | Hours               | Total Amount       |                   |
| <b>Labor</b>  |  |          |            |                     |                    |                   |
| Operating Foreman   | \$82   | 1        | 4.54       | 36.32               | \$2,978.57         |                   |
| Operating Engineer  | \$80   | 1        | 4.54       | 36.32               | \$2,905.92         |                   |
| Labor Foreman   | \$68   | 0        | 4.54       | 0.00                | \$0.00             |                   |
| Laborer   | \$56   | 2        | 4.54       | 72.65               | \$4,068.29         |                   |
| Cement Mason Foreman  | \$68   | 0        | 4.54       | 0.00                | \$0.00             |                   |
| Cement Mason  | \$64   | 0        | 4.54       | 0.00                | \$0.00             |                   |
| Carpenter Foreman   | \$72   | 0        | 4.54       | 0.00                | \$0.00             |                   |
| Carpenter   | \$68   | 0        | 4.54       | 0.00                | \$0.00             |                   |
| Teamster  | \$63   | 2        | 4.54       | 72.65               | \$4,576.82         |                   |
| <b>Subtotals</b>  |  |          |            | <b>217.94</b>       | <b>\$14,529.60</b> |                   |
| <b>Equipment</b>  |  |          |            |                     |                    |                   |
| Pickup  | \$15   | 1        | 4.54       | 36.32               | \$544.86           |                   |
| Flatrack Truck  | \$32   | 1        | 4.54       | 36.32               | \$1,162.37         |                   |
| Air Compressor  | \$21   | 0        | 4.54       | 0.00                | \$0.00             |                   |
| Loader JD 210C 4x4  | \$46   | 0        | 4.54       | 0.00                | \$0.00             |                   |
| Loader/Backhoe JD 710   | \$63   | 1        | 4.54       | 36.32               | \$2,288.41         |                   |
| Excavator Cat 330L  | \$95   | 0        | 4.54       | 0.00                | \$0.00             |                   |
| Excavator Cat 345   | \$138  | 0        | 4.54       | 0.00                | \$0.00             |                   |
| Loader Cat 950  | \$68   | 0        | 4.54       | 0.00                | \$0.00             |                   |
| Loader Cat 966  | \$85   | 0        | 4.54       | 0.00                | \$0.00             |                   |
| Loader Cat 980  | \$109  | 0        | 4.54       | 0.00                | \$0.00             |                   |
| Dozer Cat D6  | \$114  | 0        | 4.54       | 0.00                | \$0.00             |                   |
| Dozer Cat D8  | \$155  | 0        | 4.54       | 0.00                | \$0.00             |                   |
| Dozer Cat D10   | \$284  | 0        | 4.54       | 0.00                | \$0.00             |                   |
| Scraper Cat 613   | \$97   | 0        | 4.54       | 0.00                | \$0.00             |                   |
| Scraper Cat 623   | \$173  | 0        | 4.54       | 0.00                | \$0.00             |                   |
| Scraper Cat 631   | \$196  | 0        | 4.54       | 0.00                | \$0.00             |                   |
| Scraper Cat 657 Push-Pull   | \$496  | 0        | 4.54       | 0.00                | \$0.00             |                   |
| Motor Grader Cat 140H   | \$74   | 0        | 4.54       | 0.00                | \$0.00             |                   |
| Motor Grader Cat 143H   | \$79   | 0        | 4.54       | 0.00                | \$0.00             |                   |
| Motor Grader Cat 14H  | \$91   | 0        | 4.54       | 0.00                | \$0.00             |                   |
| Asphalt Paver   | \$219  | 0        | 4.54       | 0.00                | \$0.00             |                   |
| Oil Distributor Truck   | \$109  | 0        | 4.54       | 0.00                | \$0.00             |                   |
| Shuttle Buggy   | \$251  | 0        | 4.54       | 0.00                | \$0.00             |                   |
| Roller 1-3 Ton  | \$41   | 0        | 4.54       | 0.00                | \$0.00             |                   |
| Roller 4-6 Ton  | \$50   | 0        | 4.54       | 0.00                | \$0.00             |                   |
| Roller 7-9 Ton  | \$74   | 0        | 4.54       | 0.00                | \$0.00             |                   |
| Roller 10+ Ton  | \$79   | 0        | 4.54       | 0.00                | \$0.00             |                   |
| Rubber Tire Roller  | \$65   | 0        | 4.54       | 0.00                | \$0.00             |                   |
| 66" Single Drum Roller  | \$68   | 0        | 4.54       | 0.00                | \$0.00             |                   |
| 84" Single Drum Roller  | \$74   | 0        | 4.54       | 0.00                | \$0.00             |                   |
| Compactor Cat 815   | \$120  | 0        | 4.54       | 0.00                | \$0.00             |                   |
| Compactor Cat 825   | \$138  | 0        | 4.54       | 0.00                | \$0.00             |                   |
| Power Kick Brooms   | \$101  | 0        | 4.54       | 0.00                | \$0.00             |                   |
| Street Sweeper/Pickup Broom   | \$53   | 0        | 4.54       | 0.00                | \$0.00             |                   |
| Water Truck (2,000 Gal)   | \$48   | 0        | 4.54       | 0.00                | \$0.00             |                   |
| Water Truck (4,000 Gal)   | \$50   | 1        | 4.54       | 36.32               | \$1,816.20         |                   |
| Double Bottom Dump Truck (25 TN)  | \$22   | 0        | 4.54       | 0.00                | \$0.00             |                   |
| Transfer Truck (25 TN)  | \$22   | 0        | 4.54       | 0.00                | \$0.00             |                   |
| Semi End Dump Truck (25 TN)   | \$22   | 1        | 4.54       | 36.32               | \$799.13           |                   |
| Low Bed Truck   | \$22   | 0        | 4.54       | 0.00                | \$0.00             |                   |
| <b>Subtotals</b>  |  |          |            | <b>181.62</b>       | <b>\$6,610.97</b>  |                   |
| <b>Summary Table 2</b>  |  |          |            |                     |                    |                   |
| Description   | QTY  | UOM      | Unit Price | Total Amount        |                    |                   |
| <b>Material</b>   |  |          |            |                     |                    |                   |
| Steel Post Material Recycle Value - Bruno Iron & Metal  | 8.94   | TN       | (\$275.00) | (\$2,458.50)        |                    |                   |
| Steel Fabric Material Recycle Value - Bruno Iron & Metal  | 19.52  | TN       | (\$275.00) | (\$5,368.00)        |                    |                   |
| Miscellaneous Material Disposal Fee - Allowance   | 1,135.00                                     | EA       | \$0.50     | \$567.50            |                    |                   |
|   | 0.00   |          | \$0.00     | \$0.00              |                    |                   |
| <b>Subtotals</b>  |  |          |            | <b>(\$7,259.00)</b> |                    |                   |
| <b>Page Total</b>   |  |          |            |                     | <b>\$13,881.57</b> |                   |

Item Detail

| Item  | Description  | QTY                | UOM        | Unit Price        | Total Amount        | Notes               |
|---|--|--------------------|------------|-------------------|---------------------|---------------------|
| 22  | Remove & Recycle Substation 6" Chain Link Fence & Gates  | 424                | LF         | \$1.53            | \$647.82            | Removal Operation   |
|   | Production Rate (Rate/Day)                               | 2,000.00           |            |                   |                     | OF 1                |
|   | Duration (Days)  | 0.21               |            |                   |                     | OE 1                |
|   |  |                    |            |                   |                     | L 2                 |
|   |  |                    |            |                   |                     | T 1                 |
| <b>Description Of Work, Assumptions, &amp; Notes</b>  |  |                    |            |                   |                     | PU 1                |
| 1. User definable fields are highlighted in yellow. Production rates based on 8 HR/SH. Item provides labor / equipment / material ratio.          |  |                    |            |                   |                     | FT 1                |
| 2. Item includes removal and offhaul operations. Material to be recycled and salvaged if possible, but is based on lower recycled material value. |  |                    |            |                   |                     | 710 1               |
| 3. Item is based on recycle and disposal pricing listed in the Report Assumptions section of this report.   |  |                    |            |                   |                     | WT 1                |
| 4. Item is based on 2 IN steel posts with an overall length of 9 LF and a unit weight of 1.75 LB/LF.  |  |                    |            |                   |                     |                     |
| 5. Item is based on chain link mesh with an overall height of 6 LF and a unit weight of 4.30 LB/LF.   |  |                    |            |                   |                     | Offhaul Operation   |
| 6. Item is based on post quantity of 424 LF / 8 LF/EA = 53 EA x 9 LF/EA = 477 LF x 1.75 LB/LF = 835 LB / 2,000 LB/TN = .42 TN.                    |  |                    |            |                   |                     | T 1                 |
| 7. Item is based on fabric quantity of 424 LF x 4.30 LB/LF = 1,823 LB / 2,000 LB/TN = .91 TN.   |  |                    |            |                   |                     | SE 1                |
| <b>Summary Table 1</b>  |  |                    |            |                   |                     |                     |
|   | <b>Description</b>                                       | <b>Hourly Rate</b> | <b>QTY</b> | <b>Days</b>       | <b>Hours</b>        | <b>Total Amount</b> |
| <b>Labor</b>  |  |                    |            |                   |                     |                     |
|   | Operating Foreman  | \$82               | 1          | 0.21              | 1.70                | \$139.07            |
|   | Operating Engineer                                       | \$80               | 1          | 0.21              | 1.70                | \$135.68            |
|   | Labor Foreman  | \$68               | 0          | 0.21              | 0.00                | \$0.00              |
|   | Laborer  | \$56               | 2          | 0.21              | 3.39                | \$189.95            |
|   | Cement Mason Foreman                                     | \$68               | 0          | 0.21              | 0.00                | \$0.00              |
|   | Cement Mason   | \$64               | 0          | 0.21              | 0.00                | \$0.00              |
|   | Carpenter Foreman  | \$72               | 0          | 0.21              | 0.00                | \$0.00              |
|   | Carpenter  | \$68               | 0          | 0.21              | 0.00                | \$0.00              |
|   | Teamster   | \$63               | 2          | 0.21              | 3.39                | \$213.70            |
|   | <b>Subtotals</b>   |                    |            |                   | <b>10.18</b>        | <b>\$678.40</b>     |
| <b>Equipment</b>  |  |                    |            |                   |                     |                     |
|   | Pickup   | \$15               | 1          | 0.21              | 1.70                | \$25.44             |
|   | Flatrack Truck   | \$32               | 1          | 0.21              | 1.70                | \$54.27             |
|   | Air Compressor   | \$21               | 0          | 0.21              | 0.00                | \$0.00              |
|   | Loader JD 210C 4x4                                       | \$46               | 0          | 0.21              | 0.00                | \$0.00              |
|   | Loader/Backhoe JD 710                                    | \$63               | 1          | 0.21              | 1.70                | \$106.85            |
|   | Excavator Cat 330L                                       | \$95               | 0          | 0.21              | 0.00                | \$0.00              |
|   | Excavator Cat 345  | \$138              | 0          | 0.21              | 0.00                | \$0.00              |
|   | Loader Cat 950   | \$68               | 0          | 0.21              | 0.00                | \$0.00              |
|   | Loader Cat 966   | \$85               | 0          | 0.21              | 0.00                | \$0.00              |
|   | Loader Cat 980   | \$109              | 0          | 0.21              | 0.00                | \$0.00              |
|   | Dozer Cat D6   | \$114              | 0          | 0.21              | 0.00                | \$0.00              |
|   | Dozer Cat D8   | \$155              | 0          | 0.21              | 0.00                | \$0.00              |
|   | Dozer Cat D10  | \$284              | 0          | 0.21              | 0.00                | \$0.00              |
|   | Scraper Cat 613  | \$97               | 0          | 0.21              | 0.00                | \$0.00              |
|   | Scraper Cat 623  | \$173              | 0          | 0.21              | 0.00                | \$0.00              |
|   | Scraper Cat 631  | \$196              | 0          | 0.21              | 0.00                | \$0.00              |
|   | Scraper Cat 657 Push-Pull                                | \$496              | 0          | 0.21              | 0.00                | \$0.00              |
|   | Motor Grader Cat 140H                                    | \$74               | 0          | 0.21              | 0.00                | \$0.00              |
|   | Motor Grader Cat 143H                                    | \$79               | 0          | 0.21              | 0.00                | \$0.00              |
|   | Motor Grader Cat 14H                                     | \$91               | 0          | 0.21              | 0.00                | \$0.00              |
|   | Asphalt Paver  | \$219              | 0          | 0.21              | 0.00                | \$0.00              |
|   | Oil Distributor Truck                                    | \$109              | 0          | 0.21              | 0.00                | \$0.00              |
|   | Shuttle Buggy  | \$251              | 0          | 0.21              | 0.00                | \$0.00              |
|   | Roller 1-3 Ton   | \$41               | 0          | 0.21              | 0.00                | \$0.00              |
|   | Roller 4-6 Ton   | \$50               | 0          | 0.21              | 0.00                | \$0.00              |
|   | Roller 7-9 Ton   | \$74               | 0          | 0.21              | 0.00                | \$0.00              |
|   | Roller 10+ Ton   | \$79               | 0          | 0.21              | 0.00                | \$0.00              |
|   | Rubber Tire Roller                                       | \$65               | 0          | 0.21              | 0.00                | \$0.00              |
|   | 66" Single Drum Roller                                   | \$68               | 0          | 0.21              | 0.00                | \$0.00              |
|   | 84" Single Drum Roller                                   | \$74               | 0          | 0.21              | 0.00                | \$0.00              |
|   | Compactor Cat 815  | \$120              | 0          | 0.21              | 0.00                | \$0.00              |
|   | Compactor Cat 825  | \$138              | 0          | 0.21              | 0.00                | \$0.00              |
|   | Power Kick Brooms  | \$101              | 0          | 0.21              | 0.00                | \$0.00              |
|   | Street Sweeper/Pickup Broom                              | \$53               | 0          | 0.21              | 0.00                | \$0.00              |
|   | Water Truck (2,000 Gal)                                  | \$48               | 0          | 0.21              | 0.00                | \$0.00              |
|   | Water Truck (4,000 Gal)                                  | \$50               | 1          | 0.21              | 1.70                | \$84.80             |
|   | Double Bottom Dump Truck (25 TN)                         | \$22               | 0          | 0.21              | 0.00                | \$0.00              |
|   | Transfer Truck (25 TN)                                   | \$22               | 0          | 0.21              | 0.00                | \$0.00              |
|   | Semi End Dump Truck (25 TN)                              | \$22               | 1          | 0.21              | 1.70                | \$37.31             |
|   | Low Bed Truck  | \$22               | 0          | 0.21              | 0.00                | \$0.00              |
|   | <b>Subtotals</b>   |                    |            |                   | <b>8.48</b>         | <b>\$308.67</b>     |
| <b>Summary Table 2</b>  |  |                    |            |                   |                     |                     |
|   | <b>Description</b>                                       | <b>QTY</b>         | <b>UOM</b> | <b>Unit Price</b> | <b>Total Amount</b> |                     |
| <b>Material</b>   |  |                    |            |                   |                     |                     |
|   | Steel Post Material Recycle Value - Bruno Iron & Metal   | 0.42               | TN         | (\$275.00)        | (\$115.50)          |                     |
|   | Steel Fabric Material Recycle Value - Bruno Iron & Metal | 0.91               | TN         | (\$275.00)        | (\$250.25)          |                     |
|   | Miscellaneous Material Disposal Fee - Allowance          | 53.00              | EA         | \$0.50            | \$26.50             |                     |
|   |  | 0.00               |            | \$0.00            | \$0.00              |                     |
|   | <b>Subtotals</b>   |                    |            |                   | <b>(\$339.25)</b>   |                     |
|   |  |                    |            | <b>Page Total</b> | <b>\$647.82</b>     |                     |

| Item  | Description  | QTY       | UOM        | Unit Price        | Total Amount       | Notes                                |
|---|--|-----------|------------|-------------------|--------------------|--------------------------------------|
| 23  | Remove & Salvage 4" Gravel Perimeter Road (20' Wide Surfacing) | 181,620   | SF         | \$0.25            | \$45,797.30        | Removal & Stockpile                  |
|   | Production Rate (Rate/Day)                                     | 50,000.00 |            |                   |                    | OF 1<br>OE 3                         |
|   | Duration (Days)  | 3.63      |            |                   |                    | L 1<br>T 1                           |
| <b>Description Of Work, Assumptions, &amp; Notes</b>  |  |           |            |                   |                    |                                      |
| 1. User definable fields are highlighted in yellow. Production rates based on 8 HR/SH. Item provides labor / equipment / material ratio.            |  |           |            |                   |                    |                                      |
| 2. Item includes removal and offhaul operations. Material to be reused on site or alternate site and is based on higher reuse at an alternate site. |  |           |            |                   |                    |                                      |
| 3. Item is based on gravel quantity of ((181,620 SF x .33' Thick) / 27 CF/CY) = 2,220 CY.   |  |           |            |                   |                    |                                      |
| 4. Item is based on offhaul gravel loads of 2,220 CY / 12 CY/LD = 185 LD.   |  |           |            |                   |                    |                                      |
| 5. Item is based on free disposal of gravel material within 4 mile radius.  |  |           |            |                   |                    |                                      |
| Load & Offhaul  |  |           |            |                   |                    |                                      |
|   |  |           |            |                   |                    | OE 1<br>T 5<br>966 1<br>SE 4<br>WT 1 |
| Description   | Hourly Rate  | QTY       | Days       | Hours             | Total Amount       |                                      |
| <b>Labor</b>  |  |           |            |                   |                    |                                      |
| Operating Foreman   | \$82   | 1         | 3.63       | 29.06             | \$2,382.85         |                                      |
| Operating Engineer  | \$80   | 4         | 3.63       | 116.24            | \$9,298.94         |                                      |
| Labor Foreman   | \$68   | 0         | 3.63       | 0.00              | \$0.00             |                                      |
| Laborer   | \$56   | 1         | 3.63       | 29.06             | \$1,627.32         |                                      |
| Cement Mason Foreman  | \$68   | 0         | 3.63       | 0.00              | \$0.00             |                                      |
| Cement Mason  | \$64   | 0         | 3.63       | 0.00              | \$0.00             |                                      |
| Carpenter Foreman   | \$72   | 0         | 3.63       | 0.00              | \$0.00             |                                      |
| Carpenter   | \$68   | 0         | 3.63       | 0.00              | \$0.00             |                                      |
| Teamster  | \$63   | 6         | 3.63       | 174.36            | \$10,984.38        |                                      |
| <b>Subtotals</b>  |  |           |            | <b>348.71</b>     | <b>\$24,293.49</b> |                                      |
| <b>Equipment</b>  |  |           |            |                   |                    |                                      |
| Pickup  | \$15   | 1         | 3.63       | 29.06             | \$435.89           |                                      |
| Flatrack Truck  | \$32   | 1         | 3.63       | 29.06             | \$929.89           |                                      |
| Air Compressor  | \$21   | 0         | 3.63       | 0.00              | \$0.00             |                                      |
| Loader JD 210C 4x4  | \$46   | 0         | 3.63       | 0.00              | \$0.00             |                                      |
| Loader/Backhoe JD 710   | \$63   | 0         | 3.63       | 0.00              | \$0.00             |                                      |
| Excavator Cat 330L  | \$95   | 0         | 3.63       | 0.00              | \$0.00             |                                      |
| Excavator Cat 345   | \$138  | 0         | 3.63       | 0.00              | \$0.00             |                                      |
| Loader Cat 950  | \$68   | 0         | 3.63       | 0.00              | \$0.00             |                                      |
| Loader Cat 966  | \$85   | 1         | 3.63       | 29.06             | \$2,470.03         |                                      |
| Loader Cat 980  | \$109  | 0         | 3.63       | 0.00              | \$0.00             |                                      |
| Dozer Cat D6  | \$114  | 0         | 3.63       | 0.00              | \$0.00             |                                      |
| Dozer Cat D8  | \$155  | 0         | 3.63       | 0.00              | \$0.00             |                                      |
| Dozer Cat D10   | \$284  | 0         | 3.63       | 0.00              | \$0.00             |                                      |
| Scraper Cat 613   | \$97   | 0         | 3.63       | 0.00              | \$0.00             |                                      |
| Scraper Cat 623   | \$173  | 2         | 3.63       | 58.12             | \$10,054.48        |                                      |
| Scraper Cat 631   | \$196  | 0         | 3.63       | 0.00              | \$0.00             |                                      |
| Scraper Cat 657 Push-Pull   | \$496  | 0         | 3.63       | 0.00              | \$0.00             |                                      |
| Motor Grader Cat 140H   | \$74   | 1         | 3.63       | 29.06             | \$2,150.38         |                                      |
| Motor Grader Cat 143H   | \$79   | 0         | 3.63       | 0.00              | \$0.00             |                                      |
| Motor Grader Cat 14H  | \$91   | 0         | 3.63       | 0.00              | \$0.00             |                                      |
| Asphalt Paver   | \$219  | 0         | 3.63       | 0.00              | \$0.00             |                                      |
| Oil Distributor Truck   | \$109  | 0         | 3.63       | 0.00              | \$0.00             |                                      |
| Shuttle Buggy   | \$251  | 0         | 3.63       | 0.00              | \$0.00             |                                      |
| Roller 1-3 Ton  | \$41   | 0         | 3.63       | 0.00              | \$0.00             |                                      |
| Roller 4-6 Ton  | \$50   | 0         | 3.63       | 0.00              | \$0.00             |                                      |
| Roller 7-9 Ton  | \$74   | 0         | 3.63       | 0.00              | \$0.00             |                                      |
| Roller 10+ Ton  | \$79   | 0         | 3.63       | 0.00              | \$0.00             |                                      |
| Rubber Tire Roller  | \$65   | 0         | 3.63       | 0.00              | \$0.00             |                                      |
| 66" Single Drum Roller  | \$68   | 0         | 3.63       | 0.00              | \$0.00             |                                      |
| 84" Single Drum Roller  | \$74   | 0         | 3.63       | 0.00              | \$0.00             |                                      |
| Compactor Cat 815   | \$120  | 0         | 3.63       | 0.00              | \$0.00             |                                      |
| Compactor Cat 825   | \$138  | 0         | 3.63       | 0.00              | \$0.00             |                                      |
| Power Kick Brooms   | \$101  | 0         | 3.63       | 0.00              | \$0.00             |                                      |
| Street Sweeper/Pickup Broom   | \$53   | 0         | 3.63       | 0.00              | \$0.00             |                                      |
| Water Truck (2,000 Gal)   | \$48   | 0         | 3.63       | 0.00              | \$0.00             |                                      |
| Water Truck (4,000 Gal)   | \$50   | 2         | 3.63       | 58.12             | \$2,905.92         |                                      |
| Double Bottom Dump Truck (25 TN)  | \$22   | 0         | 3.63       | 0.00              | \$0.00             |                                      |
| Transfer Truck (25 TN)  | \$22   | 0         | 3.63       | 0.00              | \$0.00             |                                      |
| Semi End Dump Truck (25 TN)   | \$22   | 4         | 3.63       | 116.24            | \$2,557.21         |                                      |
| Low Bed Truck   | \$22   | 0         | 3.63       | 0.00              | \$0.00             |                                      |
| <b>Subtotals</b>  |  |           |            | <b>348.71</b>     | <b>\$21,503.81</b> |                                      |
| Description   | QTY  | UOM       | Unit Price | Total Amount      |                    |                                      |
| <b>Material</b>   |  |           |            |                   |                    |                                      |
|   | 0.00   |           | \$0.00     | \$0.00            |                    |                                      |
|   | 0.00   |           | \$0.00     | \$0.00            |                    |                                      |
|   | 0.00   |           | \$0.00     | \$0.00            |                    |                                      |
|   | 0.00   |           | \$0.00     | \$0.00            |                    |                                      |
| <b>Subtotals</b>  |  |           |            | <b>\$0.00</b>     |                    |                                      |
|   |  |           |            | <b>Page Total</b> | <b>\$45,797.30</b> |                                      |

| Item  | Description   | QTY       | UOM        | Unit Price        | Total Amount       | Notes                                |
|---|---|-----------|------------|-------------------|--------------------|--------------------------------------|
| 24  | Remove & Salvage 4" Gravel Access Road (15' Wide Surfacing) | 365,565   | SF         | \$0.25            | \$92,180.87        | Removal & Stockpile                  |
|   | Production Rate (Rate/Day)                                  | 50,000.00 |            |                   |                    | OF 1<br>OE 3                         |
|   | Duration (Days)   | 7.31      |            |                   |                    | L 1<br>T 1                           |
| <b>Description Of Work, Assumptions, &amp; Notes</b>  |   |           |            |                   |                    |                                      |
| 1. User definable fields are highlighted in yellow. Production rates based on 8 HR/SH. Item provides labor / equipment / material ratio.            |   |           |            |                   |                    |                                      |
| 2. Item includes removal and offhaul operations. Material to be reused on site or alternate site and is based on higher reuse at an alternate site. |   |           |            |                   |                    |                                      |
| 3. Item is based on gravel quantity of ((365,565 SF x .33' Thick) / 27 CF/CY) = 4,468 CY.   |   |           |            |                   |                    |                                      |
| 4. Item is based on offhaul gravel loads of 4,468 CY / 12 CY/LD = 372 LD.   |   |           |            |                   |                    |                                      |
| 5. Item is based on free disposal of gravel material within 4 mile radius.  |   |           |            |                   |                    |                                      |
| Load & Offhaul  |   |           |            |                   |                    |                                      |
|   |   |           |            |                   |                    | OE 1<br>T 5<br>966 1<br>SE 4<br>WT 1 |
| Description   | Hourly Rate   | QTY       | Days       | Hours             | Total Amount       |                                      |
| <b>Labor</b>  |   |           |            |                   |                    |                                      |
| Operating Foreman   | \$82  | 1         | 7.31       | 58.49             | \$4,796.21         |                                      |
| Operating Engineer  | \$80  | 4         | 7.31       | 233.96            | \$18,716.93        |                                      |
| Labor Foreman   | \$68  | 0         | 7.31       | 0.00              | \$0.00             |                                      |
| Laborer   | \$56  | 1         | 7.31       | 58.49             | \$3,275.46         |                                      |
| Cement Mason Foreman  | \$68  | 0         | 7.31       | 0.00              | \$0.00             |                                      |
| Cement Mason  | \$64  | 0         | 7.31       | 0.00              | \$0.00             |                                      |
| Carpenter Foreman   | \$72  | 0         | 7.31       | 0.00              | \$0.00             |                                      |
| Carpenter   | \$68  | 0         | 7.31       | 0.00              | \$0.00             |                                      |
| Teamster  | \$63  | 6         | 7.31       | 350.94            | \$22,109.37        |                                      |
| <b>Subtotals</b>  |   |           |            | <b>701.88</b>     | <b>\$48,897.97</b> |                                      |
| <b>Equipment</b>  |   |           |            |                   |                    |                                      |
| Pickup  | \$15  | 1         | 7.31       | 58.49             | \$877.36           |                                      |
| Flatrack Truck  | \$32  | 1         | 7.31       | 58.49             | \$1,871.69         |                                      |
| Air Compressor  | \$21  | 0         | 7.31       | 0.00              | \$0.00             |                                      |
| Loader JD 210C 4x4  | \$46  | 0         | 7.31       | 0.00              | \$0.00             |                                      |
| Loader/Backhoe JD 710   | \$63  | 0         | 7.31       | 0.00              | \$0.00             |                                      |
| Excavator Cat 330L  | \$95  | 0         | 7.31       | 0.00              | \$0.00             |                                      |
| Excavator Cat 345   | \$138   | 0         | 7.31       | 0.00              | \$0.00             |                                      |
| Loader Cat 950  | \$68  | 0         | 7.31       | 0.00              | \$0.00             |                                      |
| Loader Cat 966  | \$85  | 1         | 7.31       | 58.49             | \$4,971.68         |                                      |
| Loader Cat 980  | \$109   | 0         | 7.31       | 0.00              | \$0.00             |                                      |
| Dozer Cat D6  | \$114   | 0         | 7.31       | 0.00              | \$0.00             |                                      |
| Dozer Cat D8  | \$155   | 0         | 7.31       | 0.00              | \$0.00             |                                      |
| Dozer Cat D10   | \$284   | 0         | 7.31       | 0.00              | \$0.00             |                                      |
| Scraper Cat 613   | \$97  | 0         | 7.31       | 0.00              | \$0.00             |                                      |
| Scraper Cat 623   | \$173   | 2         | 7.31       | 116.98            | \$20,237.68        |                                      |
| Scraper Cat 631   | \$196   | 0         | 7.31       | 0.00              | \$0.00             |                                      |
| Scraper Cat 657 Push-Pull   | \$496   | 0         | 7.31       | 0.00              | \$0.00             |                                      |
| Motor Grader Cat 140H   | \$74  | 1         | 7.31       | 58.49             | \$4,328.29         |                                      |
| Motor Grader Cat 143H   | \$79  | 0         | 7.31       | 0.00              | \$0.00             |                                      |
| Motor Grader Cat 14H  | \$91  | 0         | 7.31       | 0.00              | \$0.00             |                                      |
| Asphalt Paver   | \$219   | 0         | 7.31       | 0.00              | \$0.00             |                                      |
| Oil Distributor Truck   | \$109   | 0         | 7.31       | 0.00              | \$0.00             |                                      |
| Shuttle Buggy   | \$251   | 0         | 7.31       | 0.00              | \$0.00             |                                      |
| Roller 1-3 Ton  | \$41  | 0         | 7.31       | 0.00              | \$0.00             |                                      |
| Roller 4-6 Ton  | \$50  | 0         | 7.31       | 0.00              | \$0.00             |                                      |
| Roller 7-9 Ton  | \$74  | 0         | 7.31       | 0.00              | \$0.00             |                                      |
| Roller 10+ Ton  | \$79  | 0         | 7.31       | 0.00              | \$0.00             |                                      |
| Rubber Tire Roller  | \$65  | 0         | 7.31       | 0.00              | \$0.00             |                                      |
| 66" Single Drum Roller  | \$68  | 0         | 7.31       | 0.00              | \$0.00             |                                      |
| 84" Single Drum Roller  | \$74  | 0         | 7.31       | 0.00              | \$0.00             |                                      |
| Compactor Cat 815   | \$120   | 0         | 7.31       | 0.00              | \$0.00             |                                      |
| Compactor Cat 825   | \$138   | 0         | 7.31       | 0.00              | \$0.00             |                                      |
| Power Kick Brooms   | \$101   | 0         | 7.31       | 0.00              | \$0.00             |                                      |
| Street Sweeper/Pickup Broom   | \$53  | 0         | 7.31       | 0.00              | \$0.00             |                                      |
| Water Truck (2,000 Gal)   | \$48  | 0         | 7.31       | 0.00              | \$0.00             |                                      |
| Water Truck (4,000 Gal)   | \$50  | 2         | 7.31       | 116.98            | \$5,849.04         |                                      |
| Double Bottom Dump Truck (25 TN)  | \$22  | 0         | 7.31       | 0.00              | \$0.00             |                                      |
| Transfer Truck (25 TN)  | \$22  | 0         | 7.31       | 0.00              | \$0.00             |                                      |
| Semi End Dump Truck (25 TN)   | \$22  | 4         | 7.31       | 233.96            | \$5,147.16         |                                      |
| Low Bed Truck   | \$22  | 0         | 7.31       | 0.00              | \$0.00             |                                      |
| <b>Subtotals</b>  |   |           |            | <b>701.88</b>     | <b>\$43,282.90</b> |                                      |
| Description   | QTY   | UOM       | Unit Price | Total Amount      |                    |                                      |
| <b>Material</b>   |   |           |            |                   |                    |                                      |
|   | 0.00  |           | \$0.00     | \$0.00            |                    |                                      |
|   | 0.00  |           | \$0.00     | \$0.00            |                    |                                      |
|   | 0.00  |           | \$0.00     | \$0.00            |                    |                                      |
|   | 0.00  |           | \$0.00     | \$0.00            |                    |                                      |
| <b>Subtotals</b>  |   |           |            | <b>\$0.00</b>     |                    |                                      |
|   |   |           |            | <b>Page Total</b> | <b>\$92,180.87</b> |                                      |

| Item  | Description                                     | QTY       | UOM        | Unit Price        | Total Amount      | Notes                                |
|---|---|-----------|------------|-------------------|-------------------|--------------------------------------|
| 25  | Remove & Salvage 4" Gravel Substation Surfacing | 10,048    | SF         | \$0.25            | \$2,533.70        | Removal & Stockpile                  |
|   | Production Rate (Rate/Day)                      | 50,000.00 |            |                   |                   | OF 1<br>OE 3                         |
|   | Duration (Days)                                 | 0.20      |            |                   |                   | L 1<br>T 1                           |
| <b>Description Of Work, Assumptions, &amp; Notes</b>  |   |           |            |                   |                   |                                      |
| 1. User definable fields are highlighted in yellow. Production rates based on 8 HR/SH. Item provides labor / equipment / material ratio.            |   |           |            |                   |                   |                                      |
| 2. Item includes removal and offhaul operations. Material to be reused on site or alternate site and is based on higher reuse at an alternate site. |   |           |            |                   |                   |                                      |
| 3. Item is based on gravel quantity of ((10,048 SF x .33' Thick) / 27 CF/CY) = 123 CY.  |   |           |            |                   |                   |                                      |
| 4. Item is based on offhaul gravel loads of 123 CY / 12 CY/LD = 11 LD.  |   |           |            |                   |                   |                                      |
| 5. Item is based on free disposal of gravel material within 4 mile radius.  |   |           |            |                   |                   |                                      |
| Load & Offhaul  |   |           |            |                   |                   |                                      |
|   |   |           |            |                   |                   | OE 1<br>T 5<br>966 1<br>SE 4<br>WT 1 |
| Description   | Hourly Rate                                     | QTY       | Days       | Hours             | Total Amount      |                                      |
| <b>Labor</b>  |   |           |            |                   |                   |                                      |
| Operating Foreman   | \$82  | 1         | 0.20       | 1.61              | \$131.83          |                                      |
| Operating Engineer  | \$80  | 4         | 0.20       | 6.43              | \$514.46          |                                      |
| Labor Foreman   | \$68  | 0         | 0.20       | 0.00              | \$0.00            |                                      |
| Laborer   | \$56  | 1         | 0.20       | 1.61              | \$90.03           |                                      |
| Cement Mason Foreman  | \$68  | 0         | 0.20       | 0.00              | \$0.00            |                                      |
| Cement Mason  | \$64  | 0         | 0.20       | 0.00              | \$0.00            |                                      |
| Carpenter Foreman   | \$72  | 0         | 0.20       | 0.00              | \$0.00            |                                      |
| Carpenter   | \$68  | 0         | 0.20       | 0.00              | \$0.00            |                                      |
| Teamster  | \$63  | 6         | 0.20       | 9.65              | \$607.70          |                                      |
| <b>Subtotals</b>  |   |           |            | <b>19.29</b>      | <b>\$1,344.02</b> |                                      |
| <b>Equipment</b>  |   |           |            |                   |                   |                                      |
| Pickup  | \$15  | 1         | 0.20       | 1.61              | \$24.12           |                                      |
| Flatrack Truck  | \$32  | 1         | 0.20       | 1.61              | \$51.45           |                                      |
| Air Compressor  | \$21  | 0         | 0.20       | 0.00              | \$0.00            |                                      |
| Loader JD 210C 4x4  | \$46  | 0         | 0.20       | 0.00              | \$0.00            |                                      |
| Loader/Backhoe JD 710   | \$63  | 0         | 0.20       | 0.00              | \$0.00            |                                      |
| Excavator Cat 330L  | \$95  | 0         | 0.20       | 0.00              | \$0.00            |                                      |
| Excavator Cat 345   | \$138   | 0         | 0.20       | 0.00              | \$0.00            |                                      |
| Loader Cat 950  | \$68  | 0         | 0.20       | 0.00              | \$0.00            |                                      |
| Loader Cat 966  | \$85  | 1         | 0.20       | 1.61              | \$136.65          |                                      |
| Loader Cat 980  | \$109   | 0         | 0.20       | 0.00              | \$0.00            |                                      |
| Dozer Cat D6  | \$114   | 0         | 0.20       | 0.00              | \$0.00            |                                      |
| Dozer Cat D8  | \$155   | 0         | 0.20       | 0.00              | \$0.00            |                                      |
| Dozer Cat D10   | \$284   | 0         | 0.20       | 0.00              | \$0.00            |                                      |
| Scraper Cat 613   | \$97  | 0         | 0.20       | 0.00              | \$0.00            |                                      |
| Scraper Cat 623   | \$173   | 2         | 0.20       | 3.22              | \$556.26          |                                      |
| Scraper Cat 631   | \$196   | 0         | 0.20       | 0.00              | \$0.00            |                                      |
| Scraper Cat 657 Push-Pull   | \$496   | 0         | 0.20       | 0.00              | \$0.00            |                                      |
| Motor Grader Cat 140H   | \$74  | 1         | 0.20       | 1.61              | \$118.97          |                                      |
| Motor Grader Cat 143H   | \$79  | 0         | 0.20       | 0.00              | \$0.00            |                                      |
| Motor Grader Cat 14H  | \$91  | 0         | 0.20       | 0.00              | \$0.00            |                                      |
| Asphalt Paver   | \$219   | 0         | 0.20       | 0.00              | \$0.00            |                                      |
| Oil Distributor Truck   | \$109   | 0         | 0.20       | 0.00              | \$0.00            |                                      |
| Shuttle Buggy   | \$251   | 0         | 0.20       | 0.00              | \$0.00            |                                      |
| Roller 1-3 Ton  | \$41  | 0         | 0.20       | 0.00              | \$0.00            |                                      |
| Roller 4-6 Ton  | \$50  | 0         | 0.20       | 0.00              | \$0.00            |                                      |
| Roller 7-9 Ton  | \$74  | 0         | 0.20       | 0.00              | \$0.00            |                                      |
| Roller 10+ Ton  | \$79  | 0         | 0.20       | 0.00              | \$0.00            |                                      |
| Rubber Tire Roller  | \$65  | 0         | 0.20       | 0.00              | \$0.00            |                                      |
| 66" Single Drum Roller  | \$68  | 0         | 0.20       | 0.00              | \$0.00            |                                      |
| 84" Single Drum Roller  | \$74  | 0         | 0.20       | 0.00              | \$0.00            |                                      |
| Compactor Cat 815   | \$120   | 0         | 0.20       | 0.00              | \$0.00            |                                      |
| Compactor Cat 825   | \$138   | 0         | 0.20       | 0.00              | \$0.00            |                                      |
| Power Kick Brooms   | \$101   | 0         | 0.20       | 0.00              | \$0.00            |                                      |
| Street Sweeper/Pickup Broom   | \$53  | 0         | 0.20       | 0.00              | \$0.00            |                                      |
| Water Truck (2,000 Gal)   | \$48  | 0         | 0.20       | 0.00              | \$0.00            |                                      |
| Water Truck (4,000 Gal)   | \$50  | 2         | 0.20       | 3.22              | \$160.77          |                                      |
| Double Bottom Dump Truck (25 TN)  | \$22  | 0         | 0.20       | 0.00              | \$0.00            |                                      |
| Transfer Truck (25 TN)  | \$22  | 0         | 0.20       | 0.00              | \$0.00            |                                      |
| Semi End Dump Truck (25 TN)   | \$22  | 4         | 0.20       | 6.43              | \$141.48          |                                      |
| Low Bed Truck   | \$22  | 0         | 0.20       | 0.00              | \$0.00            |                                      |
| <b>Subtotals</b>  |   |           |            | <b>19.29</b>      | <b>\$1,189.68</b> |                                      |
| Description   | QTY   | UOM       | Unit Price | Total Amount      |                   |                                      |
| <b>Material</b>   |   |           |            |                   |                   |                                      |
|   | 0.00  |           | \$0.00     | \$0.00            |                   |                                      |
|   | 0.00  |           | \$0.00     | \$0.00            |                   |                                      |
|   | 0.00  |           | \$0.00     | \$0.00            |                   |                                      |
|   | 0.00  |           | \$0.00     | \$0.00            |                   |                                      |
| <b>Subtotals</b>  |   |           |            | <b>\$0.00</b>     |                   |                                      |
|   |   |           |            | <b>Page Total</b> | <b>\$2,533.70</b> |                                      |













FRESNO AREA OFFICE  
2009-10 LABOR AND EQUIPMENT RENTAL RATES

| HOURLY LABOR RATES            |       |       |       |
|-------------------------------|-------|-------|-------|
| CRAFT LABOR                   | ST    | OT    | DT    |
| OPERATOR FOREMAN w/pickup     | \$117 | \$145 | \$174 |
| OPERATING ENGINEER            | \$99  | \$126 | \$152 |
| LABOR FOREMAN w/pickup        | \$100 | \$124 | \$149 |
| LABORER                       | \$70  | \$89  | \$108 |
| CEMENT MASON FOREMAN w/pickup | \$100 | \$124 | \$147 |
| CEMENT MASON                  | \$79  | \$100 | \$121 |
| CARPENTER FOREMAN w/pickup    | \$105 | \$130 | \$154 |
| CARPENTER                     | \$85  | \$107 | \$129 |
| TEAMSTER                      | \$78  | \$98  | \$118 |

**ST Non-Union Rates Based On Reduction Of 20% From Granite Union Hourly Rates**

\$82 Excludes Pickup  
\$80  
\$68 Excludes Pickup  
\$56  
\$68 Excludes Pickup  
\$64  
\$72 Excludes Pickup  
\$68  
\$63

| HOURLY EQUIPMENT RATES (Operated & Maintained) |       |                              |       |
|--|-------|------------------------------|-------|
| LOADER JD 210C 4X4                             | \$145 | ROLLER 1-3 TON               | \$140 |
| LOADER/BACKHOE JD 710                          | \$162 | ROLLER 4-6 TON               | \$149 |
| EXCAVATOR CAT 330L                             | \$194 | ROLLER 7-9 TON               | \$173 |
| EXCAVATOR CAT 345                              | \$237 | ROLLER 10+ TON               | \$178 |
| LOADER CAT 950                                 | \$167 | RUBBER TIRE ROLLER           | \$164 |
| LOADER CAT 966                                 | \$184 | 66" SINGLE DRUM ROLLER       | \$167 |
| LOADER CAT 980                                 | \$208 | 84" SINGLE DRUM ROLLER       | \$173 |
| DOZER CAT D6                                   | \$213 | COMPACTOR CAT 815            | \$219 |
| DOZER CAT D8                                   | \$254 | COMPACTOR CAT 825            | \$237 |
| DOZER CAT D10                                  | \$383 | POWER KICK BROOMS            | \$171 |
| SCRAPER 613                                    | \$196 | STREET SWEEPER/PICK UP BROOM | \$152 |
| SCRAPER 623                                    | \$272 | WATER TRUCKS (2000 GAL)      | \$126 |
| SCRAPER 631                                    | \$295 | WATER TRUCKS (3600 GAL)      | \$128 |
| MOTOR GRADER CAT 140H                          | \$173 |                              |       |
| MOTOR GRADER CAT 143H                          | \$178 |                              |       |
| MOTOR GRADER CAT 14H                           | \$190 | <b>BARE EQUIPMENT</b>        |       |
| ASPHALT PAVER (w/oper. & screedman)            | \$417 | PICKUP                       | \$15  |
| OIL DISTRIBUTOR TRUCK                          | \$187 | FLATRACK                     | \$32  |
| SHUTTLE BUGGY (ST)                             | \$350 | AIR COMPRESSORS              | \$21  |
| SHUTTLE BUGGY (OT)                             | \$400 | ASPHALT PAVER FEEDER         | \$79  |

- \* The above prices are based upon availability of Granite owned equipment
- \* Minimum charge of 4 hours. There is a minimum charge of 8 hours for equipment worked over 4 hours
- \* Overtime will be charged for work in excess of 8 hours per shift and Saturdays
- \* Double-time will be charged for work in excess of 12 hours per shift and Sundays
- \* Prices for specialized equipment such as chip sealing equipment, pulverizers, crushers, and off road haulers are negotiable based on scope of project.
- \* Move-in/out not included in rates and will be charged at cost plus 15%
- \* Rental equipment and on-road dump trucks will be charged at cost plus 15%

Rates good until June 30, 2010 (Updated 7/01/09)

| Item | Description                      | ST Non-Union Rates Based On Reduction Of 20% From Union Hourly Rates | Caltrans Equipment Hourly Rate + 15% Markup | Labor & Equipment Hourly Rate With 15% Markup |
|------|----------------------------------|--|---|---|
| 1    | Scraper Cat 657 Push-Pull        | \$80   | \$496                                       | \$576   |
| 2    | Double Bottom Dump Truck (25 TN) | \$63   | \$22  | \$85  |
| 3    | Transfer Truck (25 TN)           | \$63   | \$22  | \$85  |
| 4    | Semi End Dump Truck (25 TN)      | \$63   | \$22  | \$85  |
| 5    | Low Bed Truck                    | \$63   | \$22  | \$85  |
| 6    |                                  |  |   |   |
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| 71   |                                  |  |   |   |
| 72   |                                  |  |   |   |
| 73   |                                  |  |   |   |
| 74   |                                  |  |   |   |
| 75   |                                  |  |   |   |
| 76   |                                  |  |   |   |
| 77   |                                  |  |   |   |
| 78   |                                  |  |   |   |
| 79   |                                  |  |   |   |
| 80   |                                  |  |   |   |
| 81   |                                  |  |   |   |
| 82   |                                  |  |   |   |

EST. 1968

## ALTERNATE - ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

**PROVOST &  
PRITCHARD**
**CONSULTING GROUP**
*An Employee Owned Company*
**RECURRENT ENERGY  
DECOMMISSIONING RE KAMMERER SOLAR GENERATING FACILITY  
SACRAMENTO COUNTY, CALIFORNIA**
**Report Date: August 28, 2011**

| Item                                     | Description   | QTY       | UOM | Unit Price       | Amount                  |
|--|---|-----------|-----|------------------|-------------------------|
| <b>SWPPP &amp; Dust Control Measures</b> |   |           |     |                  |                         |
| 1.                                       | Stabilized Construction Entrances (40' Wide x 80' Long x .5' Thick) | 2         | EA  | \$7,784.00       | \$15,568.00             |
| 2.                                       | Perimeter Silt Fencing (18" Height)                                 | 9,081     | LF  | \$4.32           | \$39,239.55             |
| 3.                                       | Barricades With Speed Limit Signage                                 | 8         | EA  | \$272.00         | \$2,176.00              |
| 4.                                       | Spill Kits (Emergency Equipment Cleanup)                            | 2         | EA  | \$427.00         | \$854.00                |
| 5.                                       | Street Wash Down (Water Truck)                                      | 5         | DA  | \$904.00         | \$4,520.00              |
| 6.                                       | Dust Control Watering (Water Truck)                                 | 5         | DA  | \$904.00         | \$4,520.00              |
|  |   |           |     | <b>Subtotal</b>  | <b>\$66,877.55</b>      |
| <b>Removal of Equipment</b>              |   |           |     |                  |                         |
| 7.                                       | Remove & Recycle Substation Conductors                              | 900       | LF  | \$0.65           | \$588.60                |
| 8.                                       | Remove & Recycle Substation & Inverter Step Up Transformers         | 10        | EA  | \$627.33         | \$6,273.33              |
| 9.                                       | Remove & Recycle Substation Disconnect Switches                     | 5         | EA  | \$387.33         | \$1,936.67              |
| 10.                                      | Remove & Recycle Substation 69 kV Circuit Breakers                  | 1         | EA  | \$627.33         | \$627.33                |
| 11.                                      | Remove & Recycle Substation Pedestals                               | 12        | EA  | \$299.83         | \$3,598.00              |
| 12.                                      | Remove & Recycle Substation Dead End Structures                     | 1         | EA  | \$189.83         | \$189.83                |
| 13.                                      | Remove & Recycle Inverter Conductor (Inverter/Xfmr Pad To Sub.)     | 6,456     | LF  | \$2.52           | \$16,243.30             |
| 14.                                      | Remove & Recycle 2,000A Switchboard Assemblies                      | 9         | EA  | \$927.33         | \$8,346.00              |
| 15.                                      | Remove & Recycle 500 kW Inverters                                   | 30        | EA  | \$927.33         | \$27,820.00             |
| 16.                                      | Remove & Recycle Inverter/Xfmr Pads                                 | 9         | EA  | \$1,745.60       | \$15,710.40             |
| 17.                                      | Remove & Recycle Panel Conductor (Panel to Inverter/Xfmr Pad)       | 1,747,200 | LF  | \$0.01           | \$18,077.10             |
| 18A.                                     | Remove & Salvage Photovoltaic Modules (Panels)                      | 67,200    | EA  | (\$18.66)        | (\$1,253,683.20)        |
| 19.                                      | Remove & Recycle 4" Posts & Support Assemblies (4 Panels/Post)      | 16,800    | EA  | (\$41.53)        | (\$697,738.15)          |
| 20.                                      | Remove & Recycle 6" Posts (1 Post/Row)                              | 1,254     | EA  | (\$26.67)        | (\$33,446.40)           |
|  |   |           |     | <b>Subtotal</b>  | <b>(\$1,885,457.19)</b> |
| <b>Site Demolition</b>                   |   |           |     |                  |                         |
| 21.                                      | Remove & Recycle 6' Chain Link Fence & Gates                        | 9,081     | LF  | \$1.53           | \$13,881.57             |
| 22.                                      | Remove & Recycle Substation 6' Chain Link Fence & Gates             | 424       | LF  | \$1.53           | \$647.82                |
| 23.                                      | Remove & Salvage 4" Gravel Perimeter Road (20' Wide Surfacing)      | 181,620   | SF  | \$0.25           | \$45,797.30             |
| 24.                                      | Remove & Salvage 4" Gravel Access Road (15' Wide Surfacing)         | 365,565   | SF  | \$0.25           | \$92,180.87             |
| 25.                                      | Remove & Salvage 4" Gravel Substation Surfacing                     | 10,048    | SF  | \$0.25           | \$2,533.70              |
| 26.                                      | Remove & Dispose Substation Control Building                        | 1,682     | SF  | \$13.78          | \$23,180.50             |
|  |   |           |     | <b>Subtotal</b>  | <b>\$178,221.76</b>     |
| <b>Site Reclamation</b>                  |   |           |     |                  |                         |
| 27.                                      | Cut To Fill & Finish Grading (Tolerance = 0.20')                    | 1,656,780 | SF  | \$0.03           | \$48,218.93             |
| 28.                                      | Apply Manure Compost (Application Rate = 2 LD/AC Or 24 CY/AC)       | 2,712     | CY  | \$6.02           | \$16,328.50             |
| 29.                                      | Scarify & Blend Site (Depth = 6")                                   | 4,919,023 | SF  | \$0.01           | \$39,561.47             |
| 30.                                      | Seed Mixture (Application Rate = 25 LB/AC)                          | 2,825     | LB  | \$8.74           | \$24,690.50             |
|  |   |           |     | <b>Subtotal</b>  | <b>\$128,799.40</b>     |
| <b>Miscellaneous</b>                     |   |           |     |                  |                         |
| 31.                                      | General Contingency (10% Of Labor & Equipment)                      | 10        | %   | \$893,788.96     | \$89,378.90             |
| 32.                                      | Lab. & Equip. Escalation (.5% Year For 20 Years Of Lab. & Equip.)   | 10        | %   | \$893,788.96     | \$89,378.90             |
| 33.                                      | Recycled Material Escalation (.25% Year For 20 Years Of Material)   | 5         | %   | (\$1,516,627.45) | (\$75,831.37)           |
| 34.                                      | Const. Management & Inspection (5% Of Labor & Equipment)            | 5         | %   | \$893,788.96     | \$44,689.45             |
| 35.                                      | Permits Costs (5% Of Labor & Equipment)                             | 5         | %   | \$893,788.96     | \$44,689.45             |
|  |   |           |     | <b>Subtotal</b>  | <b>\$192,305.32</b>     |

**ALTERNATE - ENGINEER'S OPINION OF PROBABLE DECOMMISSIONING COST: (\$1,466,869.04)**

