

Exhibit X

Facility Retirement and Site Restoration

**Biglow Canyon Wind Farm
December 2025**

Prepared for



Portland General Electric Company

Prepared by



TETRA TECH

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Attachment X-1. Estimated Retirement and Restoration Cost

Acronyms and Abbreviations

| | |
|---------------------------|--|
| AC | alternating current |
| BCWF or Existing Facility | Biglow Canyon Wind Farm |
| BESS | battery energy storage system |
| BIGL or Project Developer | BIGL bn, LLC |
| Certificate Holder or PGE | Portland General Electric Company |
| Council or EFSC | Oregon Energy Facility Siting Council |
| MW | megawatt |
| O&M | operations and maintenance |
| OAR | Oregon Administrative Rules |
| ODOE | Oregon Department of Energy |
| RFA | Request for Amendment |
| Site Certificate | Site Certificate on Amendment 3 |
| Solar Components | photovoltaic solar energy generation and battery storage |

1.0 Introduction

The Portland General Electric Company (PGE or Certificate Holder) submits this Request for Amendment (RFA) 4 to the Site Certificate on Amendment 3, issued October 31, 2008 (Site Certificate), for the Biglow Canyon Wind Farm (BCWF or Existing Facility) to add photovoltaic solar energy generation and battery storage (Solar Components) to the operating BCWF.

BCWF, owned and operated by PGE, is located within an approved site boundary comprising approximately 25,000 acres, approximately 4.5 miles northeast of the town of Wasco in Sherman County, Oregon. The BCWF operates under the Site Certificate from the Oregon Energy Facility Siting Council (Council or EFSC) as administered by the Oregon Department of Energy (ODOE). BCWF currently consists of 217 wind turbines, with a maximum blade tip height of 445 feet, and a peak generating capacity of 450 megawatts (MW).

In RFA 4, PGE proposes to add up to 125 MW alternating current (AC) generating capacity from photovoltaic solar arrays and 125 MW in battery storage capacity (Solar Components) in approximately 1,445 acres of land (Solar Area) sited within the existing BCWF site boundary Solar Micrositing Area (RFA 4 Site Boundary¹).

The Solar Micrositing Area is approximately 1,924 acres and provides a conservative estimate of the maximum area needed for development, micrositing, and temporary disturbances from the Solar Components during construction, rather than the anticipated temporary and permanent disturbance footprint. Within the Solar Micrositing Area, the Certificate Holder has identified a reduced footprint where Solar Components will be concentrated (Solar Area; 1,445 acres). Solar Components will include solar arrays, inverters, battery energy storage system (BESS) facilities and their subcomponents (i.e., inverters), a collector substation, approximately 600 feet of a new 230-kilovolt generation tie transmission line, medium voltage collector lines, operations and maintenance (O&M) structures, site access roads, internal roads, perimeter fencing, facility entry gates, and temporary laydown areas. The maximum generating capacity from the Solar Components will be 125 MW AC, and the infrastructure will be fenced within the Solar Micrositing Area and will cover up to 1,445 acres (Solar Area).

PGE will own and operate the Solar Components as a part of the BCWF (together, Amended Facility or Facility), which, to date, have been developed by BIGL bn, LLC (BIGL or Project Developer). BIGL, in its capacity as the project developer, supports PGE in this RFA 4 and may construct and temporarily operate the Solar Components on behalf of PGE under a Build-Transfer Agreement.

This Exhibit X provides the information required by Oregon Administrative Rules (OAR) 345-021-0010(1)(x) in support of RFA 4. The information summarized in this exhibit and described in RFA 4 demonstrate that the Facility, as proposed, can be designed, engineered, constructed, operated, and

¹ Note, as described in further detail in Section 4.1.1.2 of the RFA 4 Division 27 document, the Solar Micrositing Area is the equivalent of the RFA 4 Site Boundary.

retired in a manner that satisfies the applicable Council standards. The proposed changes in RFA 4 do not alter the Certificate Holder's ability to comply with applicable Site Certificate Conditions.

The focus of this exhibit is on retirement and restoration of the Solar Micrositing Area to a useful non-hazardous condition. The exhibit does not address retirement and restoration of the BCFW infrastructure and facilities previously approved by the Council.²

2.0 Estimated Useful Life of the Project – OAR 345-021-0010(1)(x)(A)

OAR 345-021-0010(1)(x) Information about site restoration, providing evidence to support a finding by the Council as required by OAR 345-022-0050(1). The applicant must include:

OAR 345-021-0010(1)(x)(A) The estimated useful life of the proposed facility;

Response: For financial and engineering purposes, the Solar Components are estimated to have a useful life of at least 40 years. While some components may need replacement during the operational life of the Project, these activities are anticipated to be routine. At the end of the estimated 40-year operational life, the Solar Components may be decommissioned. The Solar Components useful life could be extended if equipment continues to function well with routine maintenance or it could be repowered with updated equipment in the same locations.

While retirement of the Solar Components is possible, the need for renewable energy generation is expected to increase into the foreseeable future. Substantial changes to the Solar Components associated with repowering or upgrading, if warranted, may be approved by the Council through the Site Certificate amendment procedures outlined in OAR Chapter 345 Division 27.

3.0 Actions to Restore the Site – OAR 345-021-0010(1)(x)(B)

OAR 345-021-0010(1)(x)(B) Specific actions and tasks to restore the site to a useful, non-hazardous condition;

Response: In accordance with Site Certificate Conditions 107-109, prior to retiring the Solar Components, the Certificate Holder will prepare and submit a Retirement Plan to the Council for approval (Council 2006).³ The Retirement Plan will describe the activities necessary to restore the site to a useful, nonhazardous condition. After Council approval of the Retirement Plan, the Certificate Holder will obtain the necessary authorization from the appropriate regulatory agencies to proceed with restoration of the site.

² Final Order on Application for Site Certificate for the Biglow Canyon Wind Farm, p. 18-28 (Council 2006).

³ If both the BCWF and the Solar Components are retired at the same time, the retirement plan may address retirement of both (e.g., a separate retirement plan may not be prepared for each).

The proposed final Retirement Plan will include the following specific information as required by OAR 345-027-0110(5):

- Measures to complete retirement while protecting public health, safety, and the environment.
- Information on how impacts to fish, wildlife, and the environment will be minimized during the retirement process.
- A current detailed cost estimate and information on funding for completion of retirement.
- An updated list of property owners in accordance with OAR 345-021-0010(1)(f).

Measures to decommission the Solar Micrositing Area are anticipated to include the following:

- **Removal of all facilities.** Facilities to be removed will include aboveground solar and battery components, inverter and transformer pads, O&M facility (storage containers and a temperature-controlled modular building), the underground collector line segment, the 0.25-mile transmission line connecting the collector substation to the existing Biglow Canyon substation, collector substation, and perimeter fencing.
 - Underground electrical cable will be removed to its lateral depth; buried lateral runs are assumed to be a minimum of 3 feet deep and will be abandoned in place.
 - Solar modules will be separated from the racking and loaded into a truck or roll-off container for off-site disposal or recycling.
 - Posts will be removed from the ground and recycled as scrap metal.
 - Transformers will be decommissioned and disposed of off-site.
 - Self-contained battery components will be removed, transported, and disposed of or recycled.
 - Battery containers and associated components will be disassembled and transported off-site via truck for disposal or recycling. Materials that cannot be salvaged will be disposed of at authorized sites (as described in Exhibit W).
- Concrete foundations for transformers and battery storage system are assumed to be slab on grade; thus, they will be removed in their entirety. The inverters will be installed on piers that will be removed or broken off at depth (if allowed). For all foundation areas, the area will be filled with soil or gravel as part of site restoration.
- **Removal of access roads.** Decommissioned roads within the solar perimeter fencing will be regraded to restore the surface soil to a useful condition consistent with site zoning. For purposes of estimating current reclamation costs, it is assumed that pre-existing roads will not be decommissioned, but new access roads built for the Solar Components will be decommissioned.

- **Site Restoration.** All Solar Micrositing Area locations will be restored to a useful condition consistent with site zoning. The restoration work will include restoring the site to a condition suitable for agricultural uses in the Exclusive Farm Use zoning district and uses comparable with surrounding land uses.
- **Revegetation.** Vegetation will be restored to the maximum extent practicable, and all areas disturbed during decommissioning will be restored in a manner compatible with surrounding land uses. Disturbed areas will be regraded as necessary and reseeded with appropriate seed mixes, consistent with the Comprehensive Revegetation and Soil Management Plan (see Exhibit I).

4.0 Total Costs, Estimating Methods, and Assumptions

4.1 Estimate of Cost – OAR 345-021-0010(1)(x)(C)

OAR 345-021-0010(1)(x)(C) An estimate, in current dollars, of the total and unit costs of restoring the site to a useful, non-hazardous condition;

Response: Attachment X-1 provides a detailed retirement and restoration cost estimate for the Solar Components and Solar Micrositing Area. The total retirement and restoration cost of retirement and restoration for the Solar Components is \$11,488,791.62 (in Q4 2024 dollars; see Attachment X-1⁴).

4.2 Estimating Methods and Assumptions – OAR 345-021-0010(1)(x)(D)

OAR 345-021-0010(1)(x)(D) A discussion and justification of the methods and assumptions used to estimate site restoration costs; and

Response: The scope of work and individual tasks were established using professional experience, in collaboration with the Certificate Holder's engineering staff and contractors. The Solar Components retirement is broken into individual tasks that were each estimated separately to include labor requirements, equipment needs, and duration. Production rates were established using professional experience and published standards that include RS Means (Gordian 2024). Labor and equipment rates prevalent to the geographic area of the Solar Micrositing Area were obtained based on U.S. Department of Labor wage determinations. After the estimate was completed, typical average markups that are industry standards were applied for contingency, overhead, and fee.

Estimating methods and assumptions specific to this estimate are as follows:

- Labor costs were developed by reviewing the U.S. Department of Labor wage determinations and rates published by RS Means. Using this method, an average rate is

⁴ Minor differences between the two decommissioning cost estimate tables in Attachment X-1 are due to rounding and do not represent significant discrepancies or omissions in costs.

developed that includes base wage, fringe, and payroll tax liability. The final rate used in the estimate is an average of 40 hours of standard time and 10 hours of overtime per week, assuming a 50-hour work week during decommissioning activities.

- Equipment rates used in the estimate are developed by reviewing rates published by RS Means and historical vendor quotes. Rates include fuel, maintenance, and wear and tear of ground-engaging components. The rates assume the use of rental equipment, not owned equipment.
- Mobilization and demobilization costs reflect the actual costs to mobilize equipment, facilities, and crew to the Solar Micrositing Area and Solar Components. This amount does not include the front loading of cost from other tasks.
- Restoration is estimated on a unit cost basis, priced by task that follows the progression of work from start to finish, as illustrated in Attachment X-1. Unit costs are developed by including the labor, equipment, and production rate required for each individual task. RS Means and estimator experience are utilized to establish the crew, equipment, and production for each individual task. Several other miscellaneous costs have been approximated, including permits, engineering, signage, fencing, traffic control, utility disconnects, etc. In the context of the overall estimate, these are incidental costs that are covered in the estimate's contingency.
- Temporary facilities including one office trailer and one Conex storage unit have been included in the restoration cost. Additional management costs include portable toilets, first aid supplies, and office supplies.
- Field management during decommissioning activities has been included in the estimate. These include one Superintendent and one Field Engineer. These positions are critical to the safe and successful execution of work.
- The collector substation will be removed in its entirety. This will include fence removal, transformer oil removal and disposal, transformer dismantling and removal, control building demolition and removal, concrete foundation demolition and removal to at least 4 feet below grade, and miscellaneous materials removal. Transformer oil will be disposed of in accordance with applicable state and federal regulations. For cost estimating purposes, disposal is estimated at \$4 per gallon. Topsoil will be placed and the area will be reseeded.
- The O&M building will be demolished and transported off-site for disposal. The foundation will be removed to a minimum of 3 feet below grade, and the area will be regraded and reseeded.
- Roads within the solar perimeter fences will be restored so that they become a part of the natural surroundings and are no longer recognizable or usable as a road, unless landowner(s) request they remain in place. Road gravel will be used to backfill locations where needed. It is expected that the remaining road gravel will be accepted by local receivers with no additional disposal cost.

- Battery energy storage materials will be removed and transported off-site for recycling or disposal in accordance with applicable regulatory requirements. For cost estimating purposes, it is assumed that batteries will need to be recycled off-site, with transportation fees of \$1,500 per trip. Refrigerant associated with heating, ventilation, and air conditioning systems will be recovered in accordance with applicable state and federal regulations. Concrete foundations are assumed to be at-grade slabs and will be fully removed.
- Removal of solar arrays will consist of fence removal, solar panel removal and disposal, and removal of electrical cabling to 3 feet below grade.
- Solar panels will be removed from the racking systems and hauled off-site for recycling or disposal. For cost estimating purposes, it is assumed that panels will not have any scrap value and disposal fees will be required.
- Underground electrical cable will be removed to its lateral depth; lateral runs are assumed to be a minimum of 3 feet deep and will be abandoned in place.
- Racking systems and posts will require off-site disposal and are assumed to have no scrap value but will require disposal fees.
- Inverters and transformers will be removed, and their slab foundations will be removed in their entirety.
- Site restoration will include the placement of salvaged topsoil on disturbed areas.
- Reseeding is assumed to be required for the collector substation, along with an estimated 35 percent of the areas where solar panels and associated facilities will be removed (217 acres). For cost estimating purposes, it is assumed that final seeding will use a mix of native grasses. Actual seed mix will be determined by the Solar Component Revegetation Plan approved by ODOE.
- A contractor's Home Office, Project Management, Overhead, and Fee can vary widely by contractor. As such, averages were developed for the estimate and added as a percentage of total cost. These include 5 percent for Home Office and Project Management and 15 percent for Contractor Overhead and Fee.
- ODOE could incur additional costs in the case where the Certificate Holder is unable to manage the decommissioning process. Additional contingencies are included in the restoration costs for ODOE-incurred costs, including a 1 percent Performance Bond, 10 percent Administrative and Project Management fee, and 10 percent Future Development contingency.

The Certificate Holder's proposed cost estimate will be sufficient to fund the restoration of the Solar Micrositing Area to a useful, nonhazardous condition (per Site Certificate Conditions 107-109). Please see Exhibit M for information on the security the Certificate Holder will provide to cover this amount.

5.0 Monitoring Plan – OAR 345-021-0010(1)(x)(E)

OAR 345-021-0010(1)(x)(E) For facilities that might produce site contamination by hazardous materials, a proposed monitoring plan, such as periodic environmental site assessment and reporting, or an explanation why a monitoring plan is unnecessary.

Response: In the event that the Certificate Holder elects to retire the Solar Components, the site will be restored to a useful, non-hazardous condition consistent with site zoning and in accordance with the final Retirement Plan approved by the Council (see Section 3.0). The Solar Components are not expected to cause site contamination with hazardous materials, and no contamination monitoring plan is proposed. The Solar Components can be removed without significant risk of contamination.

Hazardous materials associated with the Solar Components will largely be limited to internal battery components, which would be removed by an authorized vendor prior to removing the equipment. The Solar Micrositing Area will not have any underground storage tanks or on-site bulk storage of hazardous materials. Small quantities of lubricants, vehicle fuel, and herbicides might be transported over and across the site during operation, and leaks, spills and improper handling of these materials could occur. Given the small amounts of such materials used at the Amended Biglow Canyon Wind Farm site, soil contamination is unlikely, and therefore a monitoring plan is unnecessary.

6.0 References

Council (Energy Facility Siting Council). 2006. Final Order, Application for a Site Certificate for the Biglow Canyon Wind Farm. Energy Facility Siting Council, Salem, Oregon. June 30, 2006.

Available online at: https://www.oregon.gov/energy/facilities-safety/facilities/Facilities%20library/BCW_final_order_063006.pdf

Gordian. 2024. RSMeans Data. Greenville, South Carolina. Available online at:

<https://www.gordian.com/products/rsmeans-data-services/>. Accessed October 2024.

Attachment X-1. Estimated Retirement and Restoration Cost

Attachment X-1: Proposed Facility Decommissioning Tasks and Cost Estimate

| Task or Component | Quantity | Unit | Unit Cost (\$) | Estimate (\$) |
|--|-------------------------------------|------------|----------------|-------------------|
| 1.1 Mobilization / Demobilization | | | | |
| 1.1.1 Equipment Mob | 1 | Lump Sum | 61,200.00 | 61,200.00 |
| 1.1.2 Site Facilities | 1 | Lump Sum | 2,200.00 | 2,200.00 |
| 1.1.3 Crew - Mob & Site Setup | 3 | Day | 13,548.63 | 40,645.89 |
| 1.1.4 Crew - Demob & Site Cleanup | 2 | Day | 13,548.63 | 27,097.26 |
| Subtotal | | | | 131,143.15 |
| 1.2 Project Site Support | | | | |
| 1.2.1 Site Facilities | 6 | Month | 1,605.00 | 9,630.00 |
| 1.2.2 Field Management | 6 | Month | 54,496.60 | 326,979.60 |
| Subtotal | | | | 336,609.60 |
| 1.3. Substation Retirement | | | | |
| 1.3.1 Fence Removal | 1 | Day | 1,305.08 | 1,305.08 |
| 1.3.2 Transformer Removal | 1 | Each | 94,140.68 | 94,140.68 |
| 1.3.3 Control Building Removal | 1 | Each | 5,249.48 | 5,249.48 |
| 1.3.4 UG Utility & Ground Removal | 2 | Day | 1,305.08 | 2,610.16 |
| 1.3.5 Remove Foundations | 532 | Cubic Yard | 41.54 | 22,099.28 |
| 1.3.6 Misc. Material Disposal | 1 | Lump Sum | 2,200.00 | 2,200.00 |
| 1.3.7 Restore Yard | 1 | Lump Sum | 65,761.49 | 65,761.49 |
| Subtotal | | | | 193,366.17 |
| 1.4. Switchyard Retirement | Not included in the estimate | | | |
| 1.4.1 Fence Removal | 0 | Day | 0.00 | 0.00 |
| 1.4.2 UG Utility & Ground Removal | 0 | Day | 0.00 | 0.00 |
| 1.4.3 Dismantle/Loadout Racks & Switching | 0 | Each | 0.00 | 0.00 |
| 1.4.4 Remove Foundations to Subgrade | 0 | Cubic Yard | 0.00 | 0.00 |
| 1.4.5 Misc. Material Disposal | 0 | Each | 0.00 | 0.00 |
| 1.4.6 Restore Yard | 0 | Each | 0.00 | 0.00 |
| Subtotal | | | | 0.00 |
| 1.5 230 kV Transmission Line Retirement | | | | |
| 1.5.1 Remove Structures | 4 | Each | 4,684.35 | 18,737.40 |
| 1.5.2 Remove Foundations to Subgrade | 4 | Each | 1,639.33 | 6,557.32 |
| Subtotal | | | | 25,294.72 |
| 1.6 34.5 kV Overhead Collector Line Removal | Not included in the estimate | | | |
| 1.6.1 Conductor Removal | 0 | Feet | 0.00 | 0.00 |
| 1.6.2 Utility Pole Removal | 0 | Each | 0.00 | 0.00 |
| Subtotal | | | | 0.00 |
| 1.7 O&M Container Removal | | | | |

Attachment X-1: Proposed Facility Decommissioning Tasks and Cost Estimate

| Task or Component | Quantity | Unit | Unit Cost (\$) | Estimate (\$) |
|---|----------|-------------|----------------|---------------------|
| 1.7.1 Loadout Containers | 3 | Each | 165.31 | 495.93 |
| 1.7.2 Structure Demo | 2 | Each | 2,249.48 | 4,498.96 |
| 1.7.3 Excavate/Remove Piles | 5 | Each | 224.95 | 1,124.75 |
| 1.7.4 Structure Recycling Cost | 40 | Ton | 70.00 | 2,800.00 |
| 1.7.5 Material Trucking - Per Load | 5 | Each | 1,500.00 | 7,500.00 |
| Subtotal | | | | 16,419.64 |
| 1.8 BESS Removal | | | | |
| 1.8.1 BESS Unit Removal | 126 | Each | 6,491.06 | 817,873.56 |
| 1.8.2 Inverter/Transformer Removal | 192 | Each | 1,070.23 | 205,484.16 |
| 1.8.3 UG Cable Removal | 3 | Day | 1,969.92 | 5,909.76 |
| 1.8.4 Support Pile Removal | 318 | Each | 404.19 | 128,532.42 |
| Subtotal | | | | 1,157,799.90 |
| 1.9 Solar Array Retirement | | | | |
| 1.9.1 Fence Removal | 75,504 | Linear Feet | 1.27 | 95,890.08 |
| 1.9.2 Solar Panel Removal & Disposal | 264,836 | Panels | 8.10 | 2,145,171.60 |
| 1.9.3.1 Solar Rack & Post Removal | 10,186 | Each | 313.83 | 3,196,672.38 |
| Subtotal | | | | 5,437,734.06 |
| 1.10 Inverter/Transformer Removal | | | | |
| 1.10.1 Disconnect Electrical | 33 | Each | 111.39 | 3,675.87 |
| 1.10.2 Loadout Inverter & Transformer | 33 | Each | 208.83 | 6,891.39 |
| 1.10.3 Trucking - Per Load | 17 | Each | 1,500.00 | 24,750.00 |
| Subtotal | | | | 35,317.26 |
| 1.11 Inverter/Transformer Support Pile Removal | | | | |
| 1.11.1 Excavate/Remove Piles | 33 | Each | 224.95 | 7,423.35 |
| 1.11.2 Trucking - Per Load | 4 | Each | 1,500.00 | 5,820.00 |
| Subtotal | | | | 13,243.35 |
| 1.12 Site Restoration - Partial Site Seeding | | | | |
| 1.12.1 Strip and Decompact Roads | 29,040 | Feet | 1.43 | 41,527.20 |
| 1.12.2 Spot Grade Disturbed Areas | 217 | Acre | 281.33 | 61,048.61 |
| 1.12.3 Re-Seed with Native Vegetation - Roads and Areas Disturbed by Construction | 217 | Acre | 1,000.00 | 217,000.00 |
| Subtotal | | | | 319,575.81 |
| 1.13 UG Cable Removal | | | | |
| 1.13.1 Excavate and Remove Cable | 20 | Day | \$ 4,214.15 | \$ 84,283.00 |
| 1.13.2 Trucking - Per Load | 2 | Each | \$ 1,500.00 | \$ 3,000.00 |
| Subtotal | | | | \$ 87,283.00 |
| Total Decommissioning Cost | | | | 7,753,786.66 |
| Contractor Markups | | | | |
| Home Office, Project Management | | | 0.05 | 387,689.33 |

Attachment X-1: Proposed Facility Decommissioning Tasks and Cost Estimate

| Task or Component | Quantity | Unit | Unit Cost (\$) | Estimate (\$) |
|--|-------------------|--------------|----------------|----------------------|
| Contractor OH & Fee | | | 0.15 | 1,221,221.40 |
| Subtotal | | | | 1,608,910.73 |
| Total Decommissioning Cost | | | | 9,362,697.39 |
| Performance Bond | | | 0.01 | 93,626.97 |
| Gross Cost | | | | 9,456,324.37 |
| | Basis (% of Cost) | Basis (\$) | Contingency | Estimate (\$) |
| Administration and Project Management | 100% | 9,456,324.37 | 0.10 | 945,632.44 |
| Future Development (Exclude Battery) | 85% | 8,044,300.55 | 0.10 | 804,430.06 |
| Future Development (Battery Only) | 15% | 1,412,023.81 | 0.20 | 282,404.76 |
| Subtotal | | | | 2,032,467.25 |
| TOTAL ESTIMATED COST (\$Q12023) | | | | 11,488,791.62 |

Estimate Summary
TETRA TECH, INC.

Job Code: Bright Night Biglow Phase 1
Description: Decommissioning Estimate

| Cost Item | | | | | | | |
|----------------------|-----------------------------|---|---------------------|----------------|-------------|---------------|---------------|
| CBS Position Code | Quantity UM | Description | UM/Day | Cost Source | Currency | Unit Cost | Total Cost |
| 1 | 1.00 Lump Sum | BRIGHT NIGHT BIGLOW SOLAR PHASE 1 RETIREMENT | 0.00 | Detail | U.S. Dollar | 11,560,200.97 | 11,560,200.97 |
| 1.1 | 1.00 Lump Sum | Equipment & Facilities Mob / Demob | 0.20 | Detail | U.S. Dollar | 131,143.17 | 131,143.17 |
| 1.1.1 | 1.00 Lump Sum | Equipment Mob | 0.00 | Detail | U.S. Dollar | 61,200.00 | 61,200.00 |
| Resource Code | Description | Hours | Quantity UM | Currency | Unit Cost | Total Cost | |
| UERNTRLG | Rental Equip Transp-Large | | 6.00 Each | U.S. Dollar | 10,000.00 | 60,000.00 | |
| UERNTRSM | Rental Equip Transp-Small | | 8.00 Each | U.S. Dollar | 150.00 | 1,200.00 | |
| 1.1.2 | 1.00 Lump Sum | Site Facilities | 0.00 | Detail | U.S. Dollar | 2,200.00 | 2,200.00 |
| Resource Code | Description | Hours | Quantity UM | Currency | Unit Cost | Total Cost | |
| UOCONMOB | Connex Box Mob | | 2.00 Each | U.S. Dollar | 300.00 | 600.00 | |
| UOTRLTRN | Trailer Trnsp/Setup/Trdwn | | 2.00 Each | U.S. Dollar | 800.00 | 1,600.00 | |
| 1.1.3 | 3.00 Day | Crew Mob & Site Setup | 1.00 | Detail | U.S. Dollar | 13,548.63 | 40,645.90 |
| Resource Code | Description | Hours | Quantity UM | Currency | Unit Cost | Total Cost | |
| L060100 | GENERAL LABORER | 720.00 | 24.00 Each (hourly) | U.S. Dollar | 43.52 | 31,337.50 | |
| L010101 | OPERATOR | 180.00 | 6.00 Each (hourly) | U.S. Dollar | 51.71 | 9,308.40 | |
| 1.1.4 | 2.00 Day | Crew Demob & Site Cleanup | 1.00 | Detail | U.S. Dollar | 13,548.63 | 27,097.27 |
| Resource Code | Description | Hours | Quantity UM | Currency | Unit Cost | Total Cost | |
| L060100 | GENERAL LABORER | 480.00 | 24.00 Each (hourly) | U.S. Dollar | 43.52 | 20,891.66 | |
| L010101 | OPERATOR | 120.00 | 6.00 Each (hourly) | U.S. Dollar | 51.71 | 6,205.60 | |
| 1.2 | 6.00 Month | Project Site Support | 0.05 | Detail | U.S. Dollar | 56,101.60 | 336,609.58 |
| 1.2.1 | 6.00 Month | Site Facilities | 0.00 | Detail | U.S. Dollar | 1,605.00 | 9,630.00 |
| Resource Code | Description | Hours | Quantity UM | Currency | Unit Cost | Total Cost | |
| URCONNEX | Connex Box | | 6.00 Month | U.S. Dollar | 150.00 | 900.00 | |
| UROFFTRL | Office Trailer -12x60 | | 6.00 Month | U.S. Dollar | 500.00 | 3,000.00 | |
| UO1STAD | 1st Aid Supplies | | 6.00 Month | U.S. Dollar | 300.00 | 1,800.00 | |
| UOOFFSUP | Office Supplies(\$/prs/mo) | | 6.00 Month | U.S. Dollar | 55.00 | 330.00 | |
| URPRTAJH | Port-a-John Unit(s) (4) | | 12.00 Month | U.S. Dollar | 300.00 | 3,600.00 | |
| 1.2.2 | 6.00 Month | Field Management | 0.05 | Detail | U.S. Dollar | 54,496.60 | 326,979.58 |
| Resource Code | Description | Hours | Quantity UM | Currency | Unit Cost | Total Cost | |
| L90FXX02 | Field - Proj Superintendent | 1,320.00 | 1.00 Each (hourly) | U.S. Dollar | 125.40 | 165,528.00 | |
| RPUTRK05 | F-250 4X4 3/4 TON PICKUP | 2,640.00 | 2.00 Each (hourly) | U.S. Dollar | 11.88 | 31,363.20 | |
| L90FEL00 | Field - Engr. Tech | 1,320.00 | 1.00 Each (hourly) | U.S. Dollar | 98.55 | 130,088.38 | |
| 1.3 | 1.00 Each | Substation Retirement | 0.04 | Detail | U.S. Dollar | 193,368.02 | 193,368.02 |
| 1.3.1 | 1.00 Day | Fence Removal | 1.00 | Detail | U.S. Dollar | 1,305.08 | 1,305.08 |
| Resource Code | Description | Hours | Quantity UM | Currency | Unit Cost | Total Cost | |
| L010101 | OPERATOR | 10.00 | 1.00 Each (hourly) | U.S. Dollar | 51.71 | 517.13 | |
| L060100 | GENERAL LABORER | 10.00 | 1.00 Each (hourly) | U.S. Dollar | 43.52 | 435.24 | |
| RBACKH09 | Deere 710J BACKHOE, 1.62CY | 10.00 | 1.00 Each (hourly) | U.S. Dollar | 35.27 | 352.70 | |
| 1.3.2 | 1.00 Each | Transformer Removal | 0.17 | Detail | U.S. Dollar | 94,140.68 | 94,140.68 |
| 1.3.2.1 | 1.00 Each | Oil Removal & Disposal | 1.00 | Detail | U.S. Dollar | 58,245.49 | 58,245.49 |

| Cost Item | | | | | | | |
|----------------------|--------------------------------|--|--------------------|----------------|-------------|-----------|------------|
| CBS Position Code | Quantity UM | Description | UM/Day | Cost Source | Currency | Unit Cost | Total Cost |
| 1.3.2.1.1 | 1.00 Each | Oil Removal | 1.00 | Detail | U.S. Dollar | 870.49 | 870.49 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| L060100 | GENERAL LABORER | 20.00 | 2.00 Each (hourly) | U.S. Dollar | | 43.52 | 870.49 |
| 1.3.2.1.2 | 14,000.00 Gallon | Oil Disposal | 0.00 | Detail | U.S. Dollar | 4.00 | 56,000.00 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| USDISPOSAL | Disposal Fee's | | 56,000.00 Each | U.S. Dollar | | 1.00 | 56,000.00 |
| 1.3.2.1.3 | 1.00 Each | Trucking - Per Load | 0.00 | Detail | U.S. Dollar | 1,375.00 | 1,375.00 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| USTRUCKING | Trucking Sub | | 1,375.00 Each | U.S. Dollar | | 1.00 | 1,375.00 |
| 1.3.2.2 | 1.00 Each | Dismantle & Loadout Transformer | 0.20 | Detail | U.S. Dollar | 35,895.20 | 35,895.20 |
| 1.3.2.2.1 | 1.00 Each | Dismantle, Cut & Size | 0.20 | Detail | U.S. Dollar | 29,895.20 | 29,895.20 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| L060100 | GENERAL LABORER | 200.00 | 4.00 Each (hourly) | U.S. Dollar | | 43.52 | 8,704.86 |
| L010101 | OPERATOR | 100.00 | 2.00 Each (hourly) | U.S. Dollar | | 51.71 | 5,171.34 |
| *REXCAV06A | Excav 100K w/ Bucket & Grapple | 50.00 | 1.00 Each (hourly) | U.S. Dollar | | 129.71 | 6,485.50 |
| *REXCAV06E | Excav 100K w/ Shear | 50.00 | 1.00 Each (hourly) | U.S. Dollar | | 190.67 | 9,533.50 |
| 1.3.2.2.2 | 4.00 Each | Trucking - Per Load | 0.00 | Detail | U.S. Dollar | 1,500.00 | 6,000.00 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| USTRUCKING | Trucking Sub | | 6,000.00 Each | U.S. Dollar | | 1.00 | 6,000.00 |
| 1.3.3 | 1.00 Each | Remove Control Building & Switchgear | 1.00 | Detail | U.S. Dollar | 5,249.48 | 5,249.48 |
| 1.3.3.1 | 1.00 Each | Demo | 1.00 | Detail | U.S. Dollar | 2,249.48 | 2,249.48 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| L060100 | GENERAL LABORER | 10.00 | 1.00 Each (hourly) | U.S. Dollar | | 43.52 | 435.24 |
| L010101 | OPERATOR | 10.00 | 1.00 Each (hourly) | U.S. Dollar | | 51.71 | 517.13 |
| *REXCAV06A | Excav 100K w/ Bucket & Grapple | 10.00 | 1.00 Each (hourly) | U.S. Dollar | | 129.71 | 1,297.10 |
| 1.3.3.2 | 2.00 Each | Trucking - Per Load | 0.00 | Detail | U.S. Dollar | 1,500.00 | 3,000.00 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| USTRUCKING | Trucking Sub | | 3,000.00 Each | U.S. Dollar | | 1.00 | 3,000.00 |
| 1.3.4 | 2.00 Day | UG Utility & Ground Removal | 1.00 | Detail | U.S. Dollar | 1,305.08 | 2,610.15 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| L010101 | OPERATOR | 20.00 | 1.00 Each (hourly) | U.S. Dollar | | 51.71 | 1,034.27 |
| L060100 | GENERAL LABORER | 20.00 | 1.00 Each (hourly) | U.S. Dollar | | 43.52 | 870.49 |
| RBACKH09 | Deere 710J BACKHOE, 1.62CY | 20.00 | 1.00 Each (hourly) | U.S. Dollar | | 35.27 | 705.40 |
| 1.3.5 | 532.00 Cubic Yard | Remove Foundations To Subgrade | 60.00 | Detail | U.S. Dollar | 41.54 | 22,101.14 |
| 1.3.5.1 | 532.00 Cubic Yard | Excavate / Remove Foundation - Various Depth | 150.00 | Detail | U.S. Dollar | 29.52 | 15,704.68 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| L060100 | GENERAL LABORER | 35.47 | 1.00 Each (hourly) | U.S. Dollar | | 43.52 | 1,543.66 |
| L010101 | OPERATOR | 70.93 | 2.00 Each (hourly) | U.S. Dollar | | 51.71 | 3,668.20 |
| *REXCAV06C | Excav 100K w/ Hammer | 35.47 | 1.00 Each (hourly) | U.S. Dollar | | 166.14 | 5,892.43 |

| Cost Item | | | | | | | |
|----------------------|--------------------------------|--------------------------------|---------------------|----------------|-------------|-----------|------------|
| CBS Position Code | Quantity UM | Description | UM/Day | Cost Source | Currency | Unit Cost | Total Cost |
| *REXCAV06A | Excav 100K w/ Bucket & Grapple | 35.47 | 1.00 Each (hourly) | U.S. Dollar | | 129.71 | 4,600.38 |
| 1.3.5.2 | 532.00 Cubic Yard | Concrete Transport Offsite | 100.00 | Detail | U.S. Dollar | 12.02 | 6,396.46 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| RDUTRK06 | CAT D350D, 18CY-24CY | 53.20 | 1.00 Each (hourly) | U.S. Dollar | | 76.71 | 4,080.97 |
| L080940 | TEAMSTER | 53.20 | 1.00 Each (hourly) | U.S. Dollar | | 43.52 | 2,315.49 |
| 1.3.6 | 1.00 Lump Sum | Misc. Material Disposal | 0.00 | Detail | U.S. Dollar | 2,200.00 | 2,200.00 |
| 1.3.6.1 | 1.00 Each | Trucking - Per Load | 0.00 | Detail | U.S. Dollar | 1,500.00 | 1,500.00 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| USTRUCKING | Trucking Sub | | 1,500.00 Each | U.S. Dollar | | 1.00 | 1,500.00 |
| 1.3.6.2 | 10.00 Ton | Disposal Cost | 0.00 | Detail | U.S. Dollar | 70.00 | 700.00 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| USDISPOSAL | Disposal Fee's | | 700.00 Each | U.S. Dollar | | 1.00 | 700.00 |
| 1.3.7 | 1.00 Lump Sum | Restore Yard | 0.12 | Detail | U.S. Dollar | 65,761.49 | 65,761.49 |
| 1.3.7.1 | 4.00 Acre | Backfill / Regrade | 2.00 | Detail | U.S. Dollar | 1,654.59 | 6,618.38 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| L060100 | GENERAL LABORER | 40.00 | 2.00 Each (hourly) | U.S. Dollar | | 43.52 | 1,740.97 |
| L010101 | OPERATOR | 40.00 | 2.00 Each (hourly) | U.S. Dollar | | 51.71 | 2,068.53 |
| REXCAV06B | Gradall - Excavator | 20.00 | 1.00 Each (hourly) | U.S. Dollar | | 79.62 | 1,592.47 |
| *RDOZER08 | CAT D6 LGP Dozer | 20.00 | 1.00 Each (hourly) | U.S. Dollar | | 60.82 | 1,216.40 |
| 1.3.7.2 | 2,000.00 Cubic Yard | Vegetative Cover | 300.00 | Detail | U.S. Dollar | 27.57 | 55,143.11 |
| 1.3.7.2.1 | 2,000.00 Cubic Yard | Topsoil, Delivered | 0.00 | Detail | U.S. Dollar | 20.00 | 40,000.00 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| IMSOIL | Topsoil | | 2,000.00 Cubic Yard | U.S. Dollar | | 20.00 | 40,000.00 |
| 1.3.7.2.2 | 2,000.00 Cubic Yard | Placement | 300.00 | Detail | U.S. Dollar | 7.57 | 15,143.11 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| L010101 | OPERATOR | 133.33 | 2.00 Each (hourly) | U.S. Dollar | | 51.71 | 6,895.11 |
| RDOZER08 | CAT D6N XL | 133.33 | 2.00 Each (hourly) | U.S. Dollar | | 61.86 | 8,248.00 |
| 1.3.7.3 | 4.00 Acre | Re-Seed With Native Vegetation | 0.00 | Detail | U.S. Dollar | 1,000.00 | 4,000.00 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| USLANDSCAPE | Landscape Sub | | 4.00 Acre | U.S. Dollar | | 1,000.00 | 4,000.00 |
| 1.4 | 1.00 Lump Sum | Transmission Line Retirement | 0.17 | Detail | U.S. Dollar | 25,294.70 | 25,294.70 |
| 1.4.1 | 4.00 Each | Structure Removal | 1.00 | Detail | U.S. Dollar | 4,684.35 | 18,737.39 |
| 1.4.1.1 | 4.00 Each | Cut / Lower Structure | 2.00 | Detail | U.S. Dollar | 1,886.75 | 7,547.01 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| L060100 | GENERAL LABORER | 80.00 | 4.00 Each (hourly) | U.S. Dollar | | 43.52 | 3,481.94 |
| L010101 | OPERATOR | 20.00 | 1.00 Each (hourly) | U.S. Dollar | | 51.71 | 1,034.27 |
| *RXMISC14 | MAN LIFT GAS 125ft | 20.00 | 1.00 Each (hourly) | U.S. Dollar | | 54.88 | 1,097.60 |
| *RXMISC23 | GROVE RT 200 TON | 20.00 | 1.00 Each (hourly) | U.S. Dollar | | 96.66 | 1,933.20 |
| 1.4.1.2 | 4.00 Each | Cut / Size Structure & Loadout | 2.00 | Detail | U.S. Dollar | 2,047.60 | 8,190.38 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| L060100 | GENERAL LABORER | 120.00 | 6.00 Each (hourly) | U.S. Dollar | | 43.52 | 5,222.92 |

| Cost Item | | | | | | | |
|---|--------------------------------|--|--------------------|----------------|-------------|-----------|--------------|
| CBS Position Code | Quantity UM | Description | UM/Day | Cost Source | Currency | Unit Cost | Total Cost |
| L010101 | OPERATOR | 20.00 | 1.00 Each (hourly) | U.S. Dollar | | 51.71 | 1,034.27 |
| *RXMISC23 | GROVE RT 200 TON | 20.00 | 1.00 Each (hourly) | U.S. Dollar | | 96.66 | 1,933.20 |
| 1.4.1.3 | 2.00 Each | Trucking - Per Load | 0.00 | Detail | U.S. Dollar | 1,500.00 | 3,000.00 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| USTRUCKING | Trucking Sub | | 3,000.00 Each | U.S. Dollar | | 1.00 | 3,000.00 |
| 1.4.2 | 4.00 Each | Remove Foundations To Subgrade | 2.22 | Detail | U.S. Dollar | 1,639.33 | 6,557.31 |
| 1.4.2.1 | 4.00 Each | Excavate / Remove Foundation - Various Depth | 3.33 | Detail | U.S. Dollar | 1,458.98 | 5,835.90 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| L060100 | GENERAL LABORER | 24.00 | 2.00 Each (hourly) | U.S. Dollar | | 43.52 | 1,044.58 |
| L010101 | OPERATOR | 24.00 | 2.00 Each (hourly) | U.S. Dollar | | 51.71 | 1,241.12 |
| *REXCAV06C | Excav 100K w/ Hammer | 12.00 | 1.00 Each (hourly) | U.S. Dollar | | 166.14 | 1,993.68 |
| *REXCAV06A | Excav 100K w/ Bucket & Grapple | 12.00 | 1.00 Each (hourly) | U.S. Dollar | | 129.71 | 1,556.52 |
| 1.4.2.2 | 60.00 Cubic Yard | Concrete Transport Offsite | 100.00 | Detail | U.S. Dollar | 12.02 | 721.41 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| RDUTRK06 | CAT D350D, 18CY-24CY | 6.00 | 1.00 Each (hourly) | U.S. Dollar | | 76.71 | 460.26 |
| L080940 | TEAMSTER | 6.00 | 1.00 Each (hourly) | U.S. Dollar | | 43.52 | 261.15 |
| 1.5 | 1.00 Lump Sum | O&M Removal | 0.36 | Detail | U.S. Dollar | 16,419.61 | 16,419.61 |
| 1.5.1 | 3.00 Each | Loadout Containers | 10.00 | Detail | U.S. Dollar | 165.31 | 495.92 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| L060100 | GENERAL LABORER | 3.00 | 1.00 Each (hourly) | U.S. Dollar | | 43.52 | 130.57 |
| L010101 | OPERATOR | 3.00 | 1.00 Each (hourly) | U.S. Dollar | | 51.71 | 155.14 |
| RHYDCR06 | GROVE RT880 73 TON | 3.00 | 1.00 Each (hourly) | U.S. Dollar | | 70.07 | 210.21 |
| 1.5.2 | 2.00 Each | Demo Structures | 1.00 | Detail | U.S. Dollar | 2,249.48 | 4,498.95 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| L060100 | GENERAL LABORER | 20.00 | 1.00 Each (hourly) | U.S. Dollar | | 43.52 | 870.49 |
| L010101 | OPERATOR | 20.00 | 1.00 Each (hourly) | U.S. Dollar | | 51.71 | 1,034.27 |
| *REXCAV06A | Excav 100K w/ Bucket & Grapple | 20.00 | 1.00 Each (hourly) | U.S. Dollar | | 129.71 | 2,594.20 |
| 1.5.3 | 5.00 Each | Excavate / Remove Piles | 10.00 | Detail | U.S. Dollar | 224.95 | 1,124.74 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| L060100 | GENERAL LABORER | 5.00 | 1.00 Each (hourly) | U.S. Dollar | | 43.52 | 217.62 |
| L010101 | OPERATOR | 5.00 | 1.00 Each (hourly) | U.S. Dollar | | 51.71 | 258.57 |
| *REXCAV06A | Excav 100K w/ Bucket & Grapple | 5.00 | 1.00 Each (hourly) | U.S. Dollar | | 129.71 | 648.55 |
| 1.5.4 | 40.00 Ton | Structure Recycling/ Cost | 0.00 | Detail | U.S. Dollar | 70.00 | 2,800.00 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| USDISPOSAL | Disposal Fee's | | 2,800.00 Each | U.S. Dollar | | 1.00 | 2,800.00 |
| Notes: ***** Assumption: 264,836 modules x 72.97 lbs each ***** | | | | | | | |
| 1.5.5 | 5.00 Each | Trucking - Per Load | 0.00 | Detail | U.S. Dollar | 1,500.00 | 7,500.00 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| USTRUCKING | Trucking Sub | | 7,500.00 Each | U.S. Dollar | | 1.00 | 7,500.00 |
| Notes: ***** Assumption: 45,000 lbs per load ***** | | | | | | | |
| 1.6 | 126.00 Each | BESS Removal | 0.63 | Detail | U.S. Dollar | 9,188.89 | 1,157,800.37 |

| Cost Item | | | | | | | |
|----------------------|---------------------------|--------------------------------------|--------------------|----------------|-------------|-----------|------------|
| CBS Position Code | Quantity UM | Description | UM/Day | Cost Source | Currency | Unit Cost | Total Cost |
| 1.6.1 | 126.00 Each | BESS Unit Removal | 1.00 | Detail | U.S. Dollar | 6,491.06 | 817,873.94 |
| 1.6.1.1 | 126.00 Each | Disconnect Electrical | 10.00 | Detail | U.S. Dollar | 99.51 | 12,538.72 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| L010110 | ELECTRCIAN | 126.00 | 1.00 Each (hourly) | U.S. Dollar | | 55.99 | 7,054.66 |
| L060100 | GENERAL LABORER | 126.00 | 1.00 Each (hourly) | U.S. Dollar | | 43.52 | 5,484.06 |
| 1.6.1.2 | 9,423.00 Gallon | Glycol Recovery & Disposal | 747.86 | Detail | U.S. Dollar | 3.63 | 34,252.00 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| USLIQUID | Liquids T&D | | 9,423.00 Each | U.S. Dollar | | 1.00 | 9,423.00 |
| L060100 | GENERAL LABORER | 504.00 | 4.00 Each (hourly) | U.S. Dollar | | 43.52 | 21,936.07 |
| RLIFTS05 | JCB 508C, 8,000lbs FRKLFT | 126.00 | 1.00 Each (hourly) | U.S. Dollar | | 22.96 | 2,892.94 |
| 1.6.1.3 | 126.00 Each | Battery Removal & Recycling | 2.00 | Detail | U.S. Dollar | 2,985.29 | 376,146.04 |
| 1.6.1.3.1 | 63.00 Day | Remove Batteries, Load For Transport | 1.00 | Detail | U.S. Dollar | 1,970.57 | 124,146.04 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| L060100 | GENERAL LABORER | 2,520.00 | 4.00 Each (hourly) | U.S. Dollar | | 43.52 | 109,681.24 |
| RLIFTS05 | JCB 508C, 8,000lbs FRKLFT | 630.00 | 1.00 Each (hourly) | U.S. Dollar | | 22.96 | 14,464.80 |
| 1.6.1.3.2 | 126.00 Each | Trucking - Per Load | 0.00 | Detail | U.S. Dollar | 2,000.00 | 252,000.00 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| USTRUCKING | Trucking Sub | | 252,000.00 Each | U.S. Dollar | | 1.00 | 252,000.00 |
| 1.6.1.4 | 126.00 Each | Unit Removal | 3.33 | Detail | U.S. Dollar | 3,134.42 | 394,937.18 |
| 1.6.1.4.1 | 126.00 Each | Remove Misc Waste | 5.00 | Detail | U.S. Dollar | 394.11 | 49,658.41 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| L060100 | GENERAL LABORER | 1,008.00 | 4.00 Each (hourly) | U.S. Dollar | | 43.52 | 43,872.49 |
| RLIFTS05 | JCB 508C, 8,000lbs FRKLFT | 252.00 | 1.00 Each (hourly) | U.S. Dollar | | 22.96 | 5,785.92 |
| 1.6.1.4.2 | 126.00 Each | Loadout Unit For Transport | 10.00 | Detail | U.S. Dollar | 165.31 | 20,828.76 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| RHYDCR06 | GROVE RT880 73 TON | 126.00 | 1.00 Each (hourly) | U.S. Dollar | | 70.07 | 8,828.82 |
| L010101 | OPERATOR | 126.00 | 1.00 Each (hourly) | U.S. Dollar | | 51.71 | 6,515.88 |
| L060100 | GENERAL LABORER | 126.00 | 1.00 Each (hourly) | U.S. Dollar | | 43.52 | 5,484.06 |
| 1.6.1.4.3 | 126.00 Each | Trucking - Per Load | 0.00 | Detail | U.S. Dollar | 1,375.00 | 173,250.00 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| USTRUCKING | Trucking Sub | | 173,250.00 Each | U.S. Dollar | | 1.00 | 173,250.00 |
| 1.6.1.4.4 | 1,890.00 Ton | Waste Recyling & Disposal Cost | 0.00 | Detail | U.S. Dollar | 80.00 | 151,200.00 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| USDISPOSAL | Disposal Fee's | | 151,200.00 Each | U.S. Dollar | | 1.00 | 151,200.00 |
| 1.6.2 | 192.00 Each | Inverter / Transformer Removal | 5.00 | Detail | U.S. Dollar | 1,070.23 | 205,483.32 |
| 1.6.2.1 | 192.00 Each | Disconnect Electrical | 10.00 | Detail | U.S. Dollar | 111.39 | 21,387.58 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| L010110 | ELECTRCIAN | 192.00 | 1.00 Each (hourly) | U.S. Dollar | | 55.99 | 10,749.96 |
| L060100 | GENERAL LABORER | 192.00 | 1.00 Each (hourly) | U.S. Dollar | | 43.52 | 8,356.67 |

| Cost Item | | | | | | | |
|----------------------|--------------------------------|---|--------------------|----------------|-------------|-----------|------------|
| CBS Position Code | Quantity UM | Description | UM/Day | Cost Source | Currency | Unit Cost | Total Cost |
| RPUTRK05 | F-250 4X4 3/4 TON PICKUP | 192.00 | 1.00 Each (hourly) | U.S. Dollar | | 11.88 | 2,280.96 |
| 1.6.2.2 | 192.00 Each | Loadout Inverter & Transformer | 10.00 | Detail | U.S. Dollar | 208.83 | 40,095.73 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| L060100 | GENERAL LABORER | 384.00 | 2.00 Each (hourly) | U.S. Dollar | | 43.52 | 16,713.33 |
| L010101 | OPERATOR | 192.00 | 1.00 Each (hourly) | U.S. Dollar | | 51.71 | 9,928.96 |
| RHYDCR06 | GROVE RT880 73 TON | 192.00 | 1.00 Each (hourly) | U.S. Dollar | | 70.07 | 13,453.44 |
| 1.6.2.3 | 96.00 Each | Trucking - Per Load | 0.00 | Detail | U.S. Dollar | 1,500.00 | 144,000.00 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| USTRUCKING | Trucking Sub | | 144,000.00 Each | U.S. Dollar | | 1.00 | 144,000.00 |
| 1.6.3 | 3.00 Day | UG Cable Removal | 1.00 | Detail | U.S. Dollar | 1,969.92 | 5,909.76 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| L010101 | OPERATOR | 30.00 | 1.00 Each (hourly) | U.S. Dollar | | 51.71 | 1,551.40 |
| L060100 | GENERAL LABORER | 60.00 | 2.00 Each (hourly) | U.S. Dollar | | 43.52 | 2,611.46 |
| RBACKH09 | Deere 710J BACKHOE, 1.62CY | 30.00 | 1.00 Each (hourly) | U.S. Dollar | | 35.27 | 1,058.10 |
| RLIFTS05 | JCB 508C, 8,000lbs FRKLFT | 30.00 | 1.00 Each (hourly) | U.S. Dollar | | 22.96 | 688.80 |
| 1.6.4 | 318.00 Each | Support Pile Removal | 10.00 | Detail | U.S. Dollar | 404.19 | 128,533.35 |
| 1.6.4.1 | 318.00 Each | Excavate / Remove Piles | 10.00 | Detail | U.S. Dollar | 224.95 | 71,533.35 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| L060100 | GENERAL LABORER | 318.00 | 1.00 Each (hourly) | U.S. Dollar | | 43.52 | 13,840.73 |
| L010101 | OPERATOR | 318.00 | 1.00 Each (hourly) | U.S. Dollar | | 51.71 | 16,444.85 |
| *REXCAV06A | Excav 100K w/ Bucket & Grapple | 318.00 | 1.00 Each (hourly) | U.S. Dollar | | 129.71 | 41,247.78 |
| 1.6.4.2 | 38.00 Each | Trucking - Per Load | 0.00 | Detail | U.S. Dollar | 1,500.00 | 57,000.00 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| USTRUCKING | Trucking Sub | | 57,000.00 Each | U.S. Dollar | | 1.00 | 57,000.00 |
| 1.7 | 33.00 Each | Inverter / Transformer Removal | 5.00 | Detail | U.S. Dollar | 1,070.23 | 35,317.44 |
| 1.7.1 | 33.00 Each | Disconnect Electrical | 10.00 | Detail | U.S. Dollar | 111.39 | 3,675.99 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| L010110 | ELECTRICIAN | 33.00 | 1.00 Each (hourly) | U.S. Dollar | | 55.99 | 1,847.65 |
| L060100 | GENERAL LABORER | 33.00 | 1.00 Each (hourly) | U.S. Dollar | | 43.52 | 1,436.30 |
| RPUTRK05 | F-250 4X4 3/4 TON PICKUP | 33.00 | 1.00 Each (hourly) | U.S. Dollar | | 11.88 | 392.04 |
| 1.7.2 | 33.00 Each | Loadout Inverter & Transformer | 10.00 | Detail | U.S. Dollar | 208.83 | 6,891.45 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| L060100 | GENERAL LABORER | 66.00 | 2.00 Each (hourly) | U.S. Dollar | | 43.52 | 2,872.60 |
| L010101 | OPERATOR | 33.00 | 1.00 Each (hourly) | U.S. Dollar | | 51.71 | 1,706.54 |
| RHYDCR06 | GROVE RT880 73 TON | 33.00 | 1.00 Each (hourly) | U.S. Dollar | | 70.07 | 2,312.31 |
| 1.7.3 | 16.50 Each | Trucking - Per Load | 0.00 | Detail | U.S. Dollar | 1,500.00 | 24,750.00 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| USTRUCKING | Trucking Sub | | 24,750.00 Each | U.S. Dollar | | 1.00 | 24,750.00 |
| 1.8 | 33.00 Each | Inverter / Transformer Support Pile Removal | 10.00 | Detail | U.S. Dollar | 401.42 | 13,246.80 |
| 1.8.1 | 33.00 Each | Excavate / Remove Piles | 10.00 | Detail | U.S. Dollar | 224.95 | 7,423.27 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| L060100 | GENERAL LABORER | 33.00 | 1.00 Each (hourly) | U.S. Dollar | | 43.52 | 1,436.30 |
| L010101 | OPERATOR | 33.00 | 1.00 Each (hourly) | U.S. Dollar | | 51.71 | 1,706.54 |

| Cost Item | | | | | | | |
|--|--------------------------------|--------------------------------------|---------------------|----------------|-------------|--------------|--------------|
| CBS Position Code | Quantity UM | Description | UM/Day | Cost Source | Currency | Unit Cost | Total Cost |
| *REXCAV06A | Excav 100K w/ Bucket & Grapple | 33.00 | 1.00 Each (hourly) | U.S. Dollar | | 129.71 | 4,280.43 |
| 1.8.2 | 3.88 Each | Trucking - Per Load | 0.00 | Detail | U.S. Dollar | 1,500.00 | 5,823.53 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| USTRUCKING | Trucking Sub | | 5,823.53 Each | U.S. Dollar | | 1.00 | 5,823.53 |
| 1.9 | 1.00 Lump Sum | Solar Array Retirement | 0.01 | Detail | U.S. Dollar | 5,437,684.03 | 5,437,684.03 |
| 1.9.1 | 75,504.00 Linear Feet | Fence Removal | 5,124.80 | Detail | U.S. Dollar | 1.27 | 96,021.42 |
| 1.9.1.1 | 75,504.00 Linear Feet | Fence Removal | 5,124.80 | Detail | U.S. Dollar | 1.02 | 76,920.71 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| L010101 | OPERATOR | 441.99 | 3.00 Each (hourly) | U.S. Dollar | | 51.71 | 22,856.88 |
| L060100 | GENERAL LABORER | 883.98 | 6.00 Each (hourly) | U.S. Dollar | | 43.52 | 38,474.77 |
| RBACKH09 | Deere 710J BACKHOE, 1.62CY | 441.99 | 3.00 Each (hourly) | U.S. Dollar | | 35.27 | 15,589.05 |
| 1.9.1.2 | 13.89 Each | Trucking - Per Load | 0.00 | Detail | U.S. Dollar | 1,375.00 | 19,100.71 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| USTRUCKING | Trucking Sub | | 19,100.71 Each | U.S. Dollar | | 1.00 | 19,100.71 |
| 1.9.2 | 264,836.00 Each | Solar Panel Removal & Disposal | 4,800.00 | Detail | U.S. Dollar | 8.10 | 2,145,022.47 |
| 1.9.2.1 | 264,836.00 Each | Solar Panel Removal | 4,800.00 | Detail | U.S. Dollar | 3.11 | 823,542.47 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| RLIFTS05 | JCB 508C, 8,000lbs FRKLFT | 3,310.45 | 6.00 Each (hourly) | U.S. Dollar | | 22.96 | 76,007.93 |
| L010101 | OPERATOR | 3,310.45 | 6.00 Each (hourly) | U.S. Dollar | | 51.71 | 171,194.46 |
| L060100 | GENERAL LABORER | 13,241.80 | 24.00 Each (hourly) | U.S. Dollar | | 43.52 | 576,340.08 |
| Notes: ***** Assumed production: 20 panels per laborer per hour; Includes packaging and preparing for shipment offsite. ***** | | | | | | | |
| 1.9.2.2 | 430.00 Each | Trucking - Per Load | 0.00 | Detail | U.S. Dollar | 1,500.00 | 645,000.00 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| USTRUCKING | Trucking Sub | | 645,000.00 Each | U.S. Dollar | | 1.00 | 645,000.00 |
| Notes: ***** Assumption: 45,000 lbs per load ***** | | | | | | | |
| 1.9.2.3 | 9,664.00 Ton | Recyclingl Cost | 0.00 | Detail | U.S. Dollar | 70.00 | 676,480.00 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| USDISPOSAL | Disposal Fee's | | 676,480.00 Each | U.S. Dollar | | 1.00 | 676,480.00 |
| Notes: ***** Assumption: 264,836 modules x 72.97 lbs each ***** | | | | | | | |
| 1.9.3 | 10,186.00 Each | Solar Rack (Trackers) & Post Removal | 133.33 | Detail | U.S. Dollar | 313.83 | 3,196,640.14 |
| 1.9.3.1 | 10,186.00 Each | Solar Rack (Trackers) & Post Removal | 133.33 | Detail | U.S. Dollar | 280.40 | 2,856,140.14 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| L010101 | OPERATOR | 12,223.20 | 16.00 Each (hourly) | U.S. Dollar | | 51.71 | 632,102.62 |
| L060100 | GENERAL LABORER | 6,111.60 | 8.00 Each (hourly) | U.S. Dollar | | 43.52 | 266,003.11 |
| *REXCAV06A | Excav 100K w/ Bucket & Grapple | 6,111.60 | 8.00 Each (hourly) | U.S. Dollar | | 129.71 | 792,735.64 |
| *REXCAV06E | Excav 100K w/ Shear | 6,111.60 | 8.00 Each (hourly) | U.S. Dollar | | 190.67 | 1,165,298.77 |

| Cost Item | | | | | | | |
|---|---------------------------|--|--------------------|----------------|-------------|------------|------------|
| CBS Position Code | Quantity UM | Description | UM/Day | Cost Source | Currency | Unit Cost | Total Cost |
| Notes: ***** Crew to include 1 excavator w/shear, 1 excavator w/grapple, 2 operators and 2 laborers. Includes post removal and sizing of steel for sale as scrap, and loadout to haul trucks. ***** | | | | | | | |
| 1.9.3.2 | 227.00 Each | Trucking - Per Load | 0.00 | Detail | U.S. Dollar | 1,500.00 | 340,500.00 |
| Resource Code | Description | Hours | Quantity UM | Currency | Unit Cost | Total Cost | |
| USTRUCKING | Trucking Sub | | 340,500.00 Each | U.S. Dollar | 1.00 | 340,500.00 | |
| Notes: ***** Assumption: 45,000 lbs per load ***** | | | | | | | |
| 1.10 | 1.00 Lump Sum | UG Cable Removal | 0.05 | Detail | U.S. Dollar | 87,283.06 | 87,283.06 |
| 1.10.1 | 20.00 Day | Excavate & Remove Cable | 1.00 | Detail | U.S. Dollar | 4,214.15 | 84,283.06 |
| Resource Code | Description | Hours | Quantity UM | Currency | Unit Cost | Total Cost | |
| *REXCAV06D | Excav 100K | 400.00 | 2.00 Each (hourly) | U.S. Dollar | 103.99 | 41,596.00 | |
| RLIFTS05 | JCB 508C, 8,000lbs FRKLFT | 200.00 | 1.00 Each (hourly) | U.S. Dollar | 22.96 | 4,592.00 | |
| L010101 | OPERATOR | 400.00 | 2.00 Each (hourly) | U.S. Dollar | 51.71 | 20,685.34 | |
| L060100 | GENERAL LABORER | 400.00 | 2.00 Each (hourly) | U.S. Dollar | 43.52 | 17,409.72 | |
| 1.10.2 | 2.00 Each | Trucking - Per Load | 0.00 | Detail | U.S. Dollar | 1,500.00 | 3,000.00 |
| Resource Code | Description | Hours | Quantity UM | Currency | Unit Cost | Total Cost | |
| USTRUCKING | Trucking Sub | | 3,000.00 Each | U.S. Dollar | 1.00 | 3,000.00 | |
| Notes: ***** Assumption: 45,000 lbs per load ***** | | | | | | | |
| 1.11 | 1.00 Lump Sum | Site Restoration - Partial Site Seeding | 0.03 | Detail | U.S. Dollar | 319,467.36 | 319,467.36 |
| 1.11.1 | 29,040.00 Linear Feet | Strip & Decompect Roads | 2,500.00 | Detail | U.S. Dollar | 1.43 | 41,418.02 |
| Resource Code | Description | Hours | Quantity UM | Currency | Unit Cost | Total Cost | |
| *RDOZER08 | CAT D6 LGP Dozer | 232.32 | 2.00 Each (hourly) | U.S. Dollar | 60.82 | 14,129.70 | |
| L010101 | OPERATOR | 348.48 | 3.00 Each (hourly) | U.S. Dollar | 51.71 | 18,021.07 | |
| *RFELWH08C | CAT 980 LOADER | 116.16 | 1.00 Each (hourly) | U.S. Dollar | 79.78 | 9,267.24 | |
| Notes: ***** Decompectation to include discing and regrading Assume removed road base transported offsite at no charge ***** | | | | | | | |
| 1.11.2 | 217.00 Acre | Spot Grade Disturbed Areas | 8.00 | Detail | U.S. Dollar | 281.33 | 61,049.34 |
| Resource Code | Description | Hours | Quantity UM | Currency | Unit Cost | Total Cost | |
| *RDOZER08 | CAT D6 LGP Dozer | 542.50 | 2.00 Each (hourly) | U.S. Dollar | 60.82 | 32,994.85 | |
| L010101 | OPERATOR | 542.50 | 2.00 Each (hourly) | U.S. Dollar | 51.71 | 28,054.49 | |
| Notes: ***** Assumption: 620 acres total property area. Assume that 35% of the area disturbed by construction will be regraded. ***** | | | | | | | |
| 1.11.3 | 217.00 Acre | Re-Seed With Native Vegetation - Roads & Areas Disturbed By Construction | 0.00 | Detail | U.S. Dollar | 1,000.00 | 217,000.00 |
| Resource Code | Description | Hours | Quantity UM | Currency | Unit Cost | Total Cost | |
| USLANDSCAPE | Landscape Sub | | 217.00 Acre | U.S. Dollar | 1,000.00 | 217,000.00 | |

| Cost Item | | | | | | | |
|---|-------------------------------|--|--------------------|-----------------|-------------|------------------|-------------------|
| CBS Position Code | Quantity UM | Description | UM/Day | Cost Source | Currency | Unit Cost | Total Cost |
| Notes: ***** Assumption: 620 acres total property area. Assume that 35% of the area disturbed by construction will be re-seeded. ***** | | | | | | | |
| 1.12 | 1.00 Lump Sum | Contractor Markups | 0.00 | Detail | U.S. Dollar | 1,608,879.10 | 1,608,879.10 |
| 1.12.1 | 1.00 Lump Sum | Home Office, Project Management (5% Of Cost) | 0.00 | Detail | U.S. Dollar | 387,681.70 | 387,681.70 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| USMARKUP5 | 5% Markup | | 7,753,634.00 Each | U.S. Dollar | | 0.05 | 387,681.70 |
| 1.12.2 | 1.00 Lump Sum | Contractor OH & Fee (15% Of Cost) | 0.00 | Detail | U.S. Dollar | 1,221,197.40 | 1,221,197.40 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| USMARKUP | 15% Markup | | 8,141,316.00 Each | U.S. Dollar | | 0.15 | 1,221,197.40 |
| 1.13 | 1.00 Lump Sum | ODOE Mandated Contingencies | 0.00 | Detail | U.S. Dollar | 2,197,687.73 | 2,197,687.73 |
| 1.13.1 | 1.00 Lump Sum | 20% Contingency on BESS | 0.00 | Detail | U.S. Dollar | 231,560.00 | 231,560.00 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| UODCBESS | 20% ODOE Mandated Contingency | | 1,157,800.00 Each | U.S. Dollar | | 0.20 | 231,560.00 |
| 1.13.2 | 1.00 Lump Sum | 1% Performance Bond | 0.00 | Detail | U.S. Dollar | 93,625.13 | 93,625.13 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| UODOE1 | ODOE 1% Markup | | 9,362,513.00 Each | U.S. Dollar | | 0.01 | 93,625.13 |
| 1.13.3 | 1.00 Lump Sum | 10% Administrative and Project Management | 0.00 | Detail | U.S. Dollar | 936,251.30 | 936,251.30 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| UODOE2 | ODOE 10% Markup | | 9,362,513.00 Each | U.S. Dollar | | 0.10 | 936,251.30 |
| 1.13.4 | 1.00 Lump Sum | 10% Future Development Contingency | 0.00 | Detail | U.S. Dollar | 936,251.30 | 936,251.30 |
| Resource Code | Description | Hours | Quantity UM | Currency | | Unit Cost | Total Cost |
| UODOE2 | ODOE 10% Markup | | 9,362,513.00 Each | U.S. Dollar | | 0.10 | 936,251.30 |
| Report Total: | | | | | | | 11,560,200.97 |

| Category | Total |
|------------------|--------------|
| Labor | 2,498,508.89 |
| Rented Equipment | 2,345,193.01 |
| Supplies | 2,130.00 |
| Materials | 40,000.00 |
| Subcontract | 4,465,058.34 |
| Travel-Risk-Adj | 9,423.00 |
| ODCs | 2,199,887.73 |