

Exhibit X

Facility Retirement and Site Restoration

**West End Solar Project
September 2022**

**Prepared for
EE West End Solar LLC**

Prepared by



Tetra Tech, Inc.

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Acronyms and Abbreviations

Applicant	EE West End Solar LLC
OAR	Oregon Administrative Rule
Project	West End Solar Project

1.0 Introduction

EE West End Solar LLC (Applicant), a subsidiary of Eurus Energy America Corporation, proposes to construct the West End Solar Project (Project), a solar energy generation facility and related or supporting facilities in Umatilla County, Oregon. This Exhibit X was prepared to demonstrate compliance with the approval standard in Oregon Administrative Rule (OAR) 345-022-0050(1) based on information provided pursuant to OAR 345-021-0010(1)(X), paragraphs (A) through (E).

OAR 345-022-0050 Retirement and Financial Assurance

To issue a site certificate, the Council must find that:

(1) The site, taking into account mitigation, can be restored adequately to a useful, non-hazardous condition following permanent cessation of construction or operation of the facility.

(2) The applicant has a reasonable likelihood of obtaining a bond or letter of credit in a form and amount satisfactory to the Council to restore the site to a useful, non-hazardous condition.

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.

For financial evaluation and contractual purposes, the Project is assumed to have a useful life of 30 years. Project components will be designed assuming a 30-year useful life, but based on today's market for renewable power and changing technology, it is likely that the Project will be upgraded with more efficient equipment over time. Therefore, the Project could have a useful life for much longer than 30 years. Substantial changes to the Project associated with repowering may be approved by the Energy Facility Siting Council through the procedures outlined in OAR Chapter 345, Division 027.

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.

The retirement plan would include, pursuant to OAR 345-027-0110(5), the following information:

5) In the proposed final retirement plan, the certificate holder shall include:

(a) A plan for retirement that provides for completion of retirement without significant delay and that protects public health, safety and the environment.

(b) A description of actions the certificate holder proposes to take to restore the site to a useful, non-hazardous condition, including information on how impacts to fish, wildlife and the environment would be minimized during the retirement process.

(c) A current detailed cost estimate and a plan for ensuring the availability of adequate funds for completion of retirement.

(d) An updated list of the owners of property located within or adjacent to the site of the facility, as described in OAR 345-021-0010(1)(f).

Specific actions to be taken to restore the site, provided in the retirement plan referenced above, may include, among others:

- The Applicant will obtain the necessary authorization from the appropriate regulatory agencies and landowners to proceed with decommissioning of Project components.
- Dismantling solar and battery components, as well as related aboveground equipment (the operations and maintenance building, inverter pads, and the substation). Decommissioning efforts will occur in the opposite order of construction. The Project service roads will be used to allow the deconstruction contractor to separate the solar modules from the pole, and directly load the modules into a truck or roll-off container for off-site disposal or recycling. The transformers, inverters, and substation equipment will be decommissioned and disposed of off-site. Underground electrical collector lines will remain buried for sections at 3 feet, or deeper. All concrete pads and foundations will be removed to an appropriate depth below the soil surface. Racking system, including piers to appropriate depth, will be removed and transported for disposal or recycling. Poles, transmission towers, and overhead cable will also be removed and disposed appropriately.
- The primary elements associated with decommissioning the energy storage system will transporting to an off-site facility and disposed of or recycled by a qualified vendor. Once the self-contained battery components have been removed, the containers and associated components will be disassembled and transported off site via truck for disposal or recycling.

Reclamation procedures will be based on site-specific requirements and techniques commonly employed at the time the area is to be reclaimed. Procedures will likely include regrading to restore disturbed areas, followed by reseeding with an appropriate seed mixture, as directed by the landowner.

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.

Attachment W-1 provides a detailed Project retirement and restoration cost estimate. The estimated cost for removal of all improvements to retire and restore the Project to preconstruction condition is about \$ 3,610,495 in second-quarter 2021 dollars.

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.

The decommissioning estimates were developed by an experienced cost estimator using professional experience, in collaboration with the Applicant's engineering staff. The estimate 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 (www.rsmeans.com). Labor and equipment rates prevalent to the geographic area of the Project were obtained based on U.S. Department of Labor wage determinations. After the estimate was completed, typical average markups were applied for contingency, overhead, and fee in accordance with industry standards. Estimating methods and assumptions specific to this estimate are as follows:

- Labor costs were developed by reviewing U.S. Department of Labor wage determinations and rates published by RS Means. An average rate is 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 construction 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. Rates utilized assume the use of rental equipment, which is generally more expensive than contractor-owned equipment.
- Mobilization and demobilization costs reflect the anticipated cost to mobilize equipment, facilities and crew to the Project, assuming the work is performed by local contractors. This amount does not include the frontloading of costs from other tasks.
- Restoration is estimated on a unit cost basis, priced by task, and follows the progression of work from start to finish, as illustrated in Attachment W-1. Unit costs are developed by establishing the labor, equipment, and production rate required for each individual task using RS Means and the estimator's experience. 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.

- Roads will be restored pursuant to the approved retirement plan so that they become a part of the natural surroundings and are no longer recognizable or usable as a road. On private lands, roads will be restored or left in place at the request of the current landowner. The cost for restoration of roads assumes that all roads will be decompacted and reseeded.
- The cost for temporary facilities required during the decommissioning effort has been included in the restoration cost. This includes one office trailer and two Conex storage units, along with portolets, first aid supplies, and utilities.
- Field management during construction activities has been added to the estimate. This includes a Superintendent, a Health and Safety Representative, and two Field Engineers.
- 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 13 percent for Overhead and Fee. This fee amounts to nearly \$2.74 million across all tasks.
- The Oregon Department of Energy could incur additional costs in the case where the certificate holder is unable to manage the decommissioning process. Costs could include the legal processes related to certificate holder insolvency, costs associated with soliciting proposals and executing a contract, and oversight of contractor performance.

Overall, the cost estimates for decommissioning were prepared with a high degree of confidence using per task cost breakdowns from industry-trusted information sources and based on the design of the Project.

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.

The Project is not expected to cause site contamination by hazardous materials, and therefore no monitoring plan is required or proposed.

Attachment X-1. Project Retirement and Restoration Cost Estimate

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West End Solar Decommissioning Cost Estimate - updated August 2022

CBS Position Code	Description	Forecast (T/O) Quantity	Unit of Measure	Unit Cost	Total Cost (Forecast)
1	WEST END SOLAR	1.00	Lump Sum	\$5,262,694.29	\$5,262,694.29
1.1	Equipment & Facilities Mob / Demob	1.00	Lump Sum	\$123,728.59	\$123,728.59
1.1.1	Equipment Mob	1.00	Lump Sum	\$61,200.00	\$61,200.00
1.1.2	Site Facilities	1.00	Lump Sum	\$2,200.00	\$2,200.00
1.1.3	Crew Mob & Site Setup	3.00	Day	\$12,065.72	\$36,197.15
1.1.4	Crew Demob & Site Cleanup	2.00	Day	\$12,065.72	\$24,131.44
1.2	Project Site Support	1.00	Lump Sum	\$165,756.85	\$165,756.85
1.2.1	Site Facilities	3.00	Month	\$1,305.00	\$3,915.00
1.2.2	Field Management	3.00	Month	\$53,947.28	\$161,841.85
1.3	O&M Facility Retirement	1.00	Lump Sum	\$2,719.68	\$2,719.68
1.3.1	Structure Demo	1.00	Lump Sum	\$867.41	\$867.41
1.3.2	Remove Foundations To Subgrade	11.00	Cubic Yard	\$27.02	\$297.27
1.3.3	Trucking - Per Load	1.00	Each	\$1,375.00	\$1,375.00
1.3.4	Waste Material Disposal	4.00	Ton	\$45.00	\$180.00
1.4	Substation & Switchyard Retirement	1.00	Lump Sum	\$344,634.90	\$344,634.90
1.4.1	Substation Retirement	1.00	Lump Sum	\$172,317.45	\$172,317.45
1.4.2	Switchyard Retirement	1.00	Lump Sum	\$172,317.45	\$172,317.45
1.5	Interconnection Facility Retirement	1.00	Lump Sum	\$13,153.62	\$13,153.62
1.5.1	Structure Removal	2.00	Each	\$4,255.53	\$8,511.05
1.5.2	Remove Foundations To Subgrade	2.00	Each	\$2,321.28	\$4,642.56
1.6	DC Storage Retirement	1.00	Lump Sum	\$241,415.90	\$241,415.90
1.6.1	Battery Removal & Disposal	70.00	MW	\$2,497.10	\$174,796.72
1.6.2	Structure & Components Removal	70.00	MW	\$951.70	\$66,619.18
1.7	Solar Array Retirement	1.00	Lump Sum	\$2,433,895.03	\$2,433,895.03
1.7.1	Fence Removal	15,400.00	Linear Feet	\$1.19	\$18,391.74
1.7.2	Inverter / Transformer Removal	25.00	Each	\$5,089.67	\$127,241.73
1.7.3	Remove Foundations To Subgrade	25.00	Each	\$2,594.35	\$64,858.79
1.7.4	Solar Panel Removal & Disposal	180,000.00	Each	\$6.00	\$1,080,855.68
1.7.5	Rack & Post Removal	1.00	Lump Sum	\$1,142,547.10	\$1,142,547.10
1.8	Site Restoration - Site Seeding	1.00	Lump Sum	\$340,379.54	\$340,379.54
1.8.1	Decompact & Remove Gravel From Roads	18,100.00	Linear Feet	\$2.29	\$41,481.69
1.8.2	Import Backfill	2,500.00	Cubic Yard	\$20.00	\$50,000.00
1.8.3	Spot Grade Disturbed Areas	324.00	Acre	\$268.20	\$86,897.85
1.8.4	Re-Seed With Native Vegetation - Roads & Areas Disturbed By Construction	324.00	Acre	\$500.00	\$162,000.00
1.9	Contractor Markups	1.00	Lump Sum	\$683,650.04	\$683,650.04
1.9.1	Home Office, Project Management (5% Of Cost)	1.00	Lump Sum	\$183,284.20	\$183,284.20
1.9.2	Contractor OH & Fee (13% Of Cost)	1.00	Lump Sum	\$500,365.84	\$500,365.84
1.10	ODOE Applied Contingencies	1.00	Lump Sum	\$913,360.14	\$913,360.14
1.10.1	1% Performance Bond	1.00	Lump Sum	\$43,493.34	\$43,493.34
1.10.2	10% Administration and Project Management	1.00	Lump Sum	\$434,933.40	\$434,933.40
1.10.3	10% Future Development Contingency	1.00	Lump Sum	\$434,933.40	\$434,933.40

Estimate Summary

TETRA TECH EC, INC.

Job Code: West End Solar

Description: Decommissioning Estimate

Cost Item								
CBS Position Code	Quantity UM	Description	Days	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
1	1.00 Lump Sum	WEST END SOLAR	384.19	0.00	Detail	U.S. Dollar	5,262,694.29	5,262,694.29
1.1	1.00 Lump Sum	Equipment & Facilities Mob / Demob	5.00	0.20	Detail	U.S. Dollar	123,728.59	123,728.59
1.1.1	1.00 Lump Sum	Equipment Mob	0.00	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	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	3.00	1.00	Detail	U.S. Dollar	12,065.72	36,197.15
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	720.00	24.00 Each (hourly)	U.S. Dollar	38.04	27,386.82		
L010101	OPERATOR	180.00	6.00 Each (hourly)	U.S. Dollar	48.95	8,810.33		
1.1.4	2.00 Day	Crew Demob & Site Cleanup	2.00	1.00	Detail	U.S. Dollar	12,065.72	24,131.44
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	480.00	24.00 Each (hourly)	U.S. Dollar	38.04	18,257.88		
L010101	OPERATOR	120.00	6.00 Each (hourly)	U.S. Dollar	48.95	5,873.56		
1.2	1.00 Lump Sum	Project Site Support	66.00	0.02	Detail	U.S. Dollar	165,756.85	165,756.85
1.2.1	3.00 Month	Site Facilities	0.00	0.00	Detail	U.S. Dollar	1,305.00	3,915.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
URCONNEX	Connex Box	3.00	Month	U.S. Dollar	150.00	450.00		
UROFFTRL	Office Trailer -12x60	3.00	Month	U.S. Dollar	500.00	1,500.00		
UO1STAD	1st Aid Supplies	3.00	Month	U.S. Dollar	300.00	900.00		
UOOFFSUP	Office Supplies(\$/prs/mo)	3.00	Month	U.S. Dollar	55.00	165.00		
URPRTAJH	Port-a-John Unit(s) (4)	3.00	Month	U.S. Dollar	300.00	900.00		
1.2.2	3.00 Month	Field Management	66.00	0.05	Detail	U.S. Dollar	53,947.28	161,841.85
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L90FXX02	Field - Proj Superintendent	660.00	1.00 Each (hourly)	U.S. Dollar	83.18	54,900.12		
RPUTRK05	F-250 4X4 3/4 TON PICKUP	1,980.00	3.00 Each (hourly)	U.S. Dollar	11.07	21,908.70		
L90FEL00	Field - Engr. Tech	660.00	1.00 Each (hourly)	U.S. Dollar	39.57	26,118.86		
L90FXX03	Field - SHSO	660.00	1.00 Each (hourly)	U.S. Dollar	89.26	58,914.17		
1.3	1.00 Lump Sum	O&M Facility Retirement	0.65	1.54	Detail	U.S. Dollar	2,719.68	2,719.68
Notes: *****								
Assume 24x24 wood structure, slab on grad concrete pad								

1.3.1	1.00 Lump Sum	Structure Demo	0.50	2.00	Detail	U.S. Dollar	867.41	867.41
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
*REXCAV06A	Excav 100K w/ Bucket & Grapple	5.00	1.00 Each (hourly)	U.S. Dollar	124.54	622.68		
L010101	OPERATOR	5.00	1.00 Each (hourly)	U.S. Dollar	48.95	244.73		
1.3.2	11.00 Cubic Yard	Remove Foundations To Subgrade	0.15	73.68	Detail	U.S. Dollar	27.02	297.27

Cost Item								
CBS Position Code	Quantity UM	Description	Days	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
1.3.2.1	11.00 Cubic Yard	Excavate / Remove Foundation - Various Depth	0.04	280.00	Detail	U.S. Dollar	15.05	165.56
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	0.39	1.00 Each (hourly)	U.S. Dollar	38.04	14.94		
L010101	OPERATOR	0.79	2.00 Each (hourly)	U.S. Dollar	48.95	38.46		
*REXCAV06C	Excav 100K w/ Hammer	0.39	1.00 Each (hourly)	U.S. Dollar	160.97	63.24		
*REXCAV06A	Excav 100K w/ Bucket & Grapple	0.39	1.00 Each (hourly)	U.S. Dollar	124.54	48.92		
1.3.2.2	11.00 Cubic Yard	Concrete Transport Offsite	0.11	100.00	Detail	U.S. Dollar	11.97	131.71
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
RDUTRK06	CAT D350D, 18CY-24CY	1.10	1.00 Each (hourly)	U.S. Dollar	74.29	81.72		
L080940	TEAMSTER	1.10	1.00 Each (hourly)	U.S. Dollar	45.44	49.99		
1.3.3	1.00 Each	Trucking - Per Load	0.00	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		
1.3.4	4.00 Ton	Waste Material Disposal	0.00	0.00	Detail	U.S. Dollar	45.00	180.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USDISPOSAL	Disposal Fee's		120.00 Each	U.S. Dollar	1.50	180.00		
1.4	1.00 Lump Sum	Substation & Switchyard Retirement	41.24	0.02	Detail	U.S. Dollar	344,634.90	344,634.90
1.4.1	1.00 Lump Sum	Substation Retirement	20.62	0.05	Detail	U.S. Dollar	172,317.45	172,317.45
1.4.1.1	1.00 Day	Fence Removal	1.00	1.00	Detail	U.S. Dollar	1,202.19	1,202.19
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L010101	OPERATOR	10.00	1.00 Each (hourly)	U.S. Dollar	48.95	489.46		
L060100	GENERAL LABORER	10.00	1.00 Each (hourly)	U.S. Dollar	38.04	380.37		
RBACKH09	Deere 710J BACKHOE, 1.62CY	10.00	1.00 Each (hourly)	U.S. Dollar	33.24	332.35		
1.4.1.2	1.00 Each	Transformer Removal	6.00	0.17	Detail	U.S. Dollar	119,639.33	119,639.33
1.4.1.2.1	1.00 Each	Oil Removal & Disposal	1.00	1.00	Detail	U.S. Dollar	86,135.75	86,135.75
1.4.1.2.1.1	1.00 Each	Oil Removal	1.00	1.00	Detail	U.S. Dollar	760.75	760.75
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	20.00	2.00 Each (hourly)	U.S. Dollar	38.04	760.75		
1.4.1.2.1.2	14,000.00 Gallon	Oil Disposal	0.00	0.00	Detail	U.S. Dollar	6.00	84,000.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USDISPOSAL	Disposal Fee's		56,000.00 Each	U.S. Dollar	1.50	84,000.00		
1.4.1.2.1.3	1.00 Each	Trucking - Per Load	0.00	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		
1.4.1.2.2	1.00 Each	Dismantle & Loadout Transformer	5.00	0.20	Detail	U.S. Dollar	33,503.58	33,503.58
1.4.1.2.2.1	1.00 Each	Dismantle, Cut & Size	5.00	0.20	Detail	U.S. Dollar	28,003.58	28,003.58
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	200.00	4.00 Each (hourly)	U.S. Dollar	38.04	7,607.45		

Cost Item								
CBS Position Code	Quantity UM	Description	Days	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
L010101	OPERATOR		100.00	2.00	Each (hourly)	U.S. Dollar	48.95	4,894.63
*REXCAV06A	Excav 100K w/ Bucket & Grapple		50.00	1.00	Each (hourly)	U.S. Dollar	124.54	6,226.75
*REXCAV06E	Excav 100K w/ Shear		50.00	1.00	Each (hourly)	U.S. Dollar	185.50	9,274.75
1.4.1.2.2.2	4.00 Each	Trucking - Per Load		0.00	0.00 Detail	U.S. Dollar	1,375.00	5,500.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USTRUCKING	Trucking Sub		5,500.00 Each	U.S. Dollar	1.00	5,500.00		
1.4.1.3	1.00 Each	Remove Control Building		0.50	2.00 Detail	U.S. Dollar	2,432.59	2,432.59
1.4.1.3.1	1.00 Each	Demo		0.50	2.00 Detail	U.S. Dollar	1,057.59	1,057.59
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	5.00	1.00 Each (hourly)	U.S. Dollar	38.04	190.19		
L010101	OPERATOR	5.00	1.00 Each (hourly)	U.S. Dollar	48.95	244.73		
*REXCAV06A	Excav 100K w/ Bucket & Grapple	5.00	1.00 Each (hourly)	U.S. Dollar	124.54	622.68		
1.4.1.3.2	1.00 Each	Trucking - Per Load		0.00	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		
1.4.1.4	2.00 Day	UG Utility & Ground Removal		2.00	1.00 Detail	U.S. Dollar	1,202.19	2,404.37
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L010101	OPERATOR	20.00	1.00 Each (hourly)	U.S. Dollar	48.95	978.93		
L060100	GENERAL LABORER	20.00	1.00 Each (hourly)	U.S. Dollar	38.04	760.75		
RBACKH09	Deere 710J BACKHOE, 1.62CY	20.00	1.00 Each (hourly)	U.S. Dollar	33.24	664.70		
1.4.1.5	500.00 Cubic Yard	Remove Foundations To Subgrade		6.79	73.68 Detail	U.S. Dollar	27.02	13,512.25
1.4.1.5.1	500.00 Cubic Yard	Excavate / Remove Foundation - Various Depth		1.79	280.00 Detail	U.S. Dollar	15.05	7,525.53
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	17.86	1.00 Each (hourly)	U.S. Dollar	38.04	679.24		
L010101	OPERATOR	35.71	2.00 Each (hourly)	U.S. Dollar	48.95	1,748.08		
*REXCAV06C	Excav 100K w/ Hammer	17.86	1.00 Each (hourly)	U.S. Dollar	160.97	2,874.38		
*REXCAV06A	Excav 100K w/ Bucket & Grapple	17.86	1.00 Each (hourly)	U.S. Dollar	124.54	2,223.84		
1.4.1.5.2	500.00 Cubic Yard	Concrete Transport Offsite		5.00	100.00 Detail	U.S. Dollar	11.97	5,986.72
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
RDUTRK06	CAT D350D, 18CY-24CY	50.00	1.00 Each (hourly)	U.S. Dollar	74.29	3,714.50		
L080940	TEAMSTER	50.00	1.00 Each (hourly)	U.S. Dollar	45.44	2,272.22		
1.4.1.6	1.00 Lump Sum	Misc. Material Disposal		0.00	0.00 Detail	U.S. Dollar	1,825.00	1,825.00
1.4.1.6.1	1.00 Each	Trucking - Per Load		0.00	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		
1.4.1.6.2	10.00 Ton	Disposal Cost		0.00	0.00 Detail	U.S. Dollar	45.00	450.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USDISPOSAL	Disposal Fee's		300.00 Each	U.S. Dollar	1.50	450.00		
1.4.1.7	1.00 Lump Sum	Restore Yard		4.33	0.23 Detail	U.S. Dollar	31,301.73	31,301.73

Cost Item								
CBS Position Code	Quantity UM	Description	Days	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
1.4.1.7.1	2.00 Acre	Backfill / Regrade	1.00	2.00	Detail	U.S. Dollar	1,540.15	3,080.31
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	20.00	2.00 Each (hourly)	U.S. Dollar	38.04	760.75		
L010101	OPERATOR	20.00	2.00 Each (hourly)	U.S. Dollar	48.95	978.93		
REXCAV06B	Gradall - Excavator	10.00	1.00 Each (hourly)	U.S. Dollar	75.73	757.29		
*RDOZER08	CAT D6 LGP Dozer	10.00	1.00 Each (hourly)	U.S. Dollar	58.34	583.35		
1.4.1.7.2	1,000.00 Cubic Yard	Vegetative Cover	3.33	300.00	Detail	U.S. Dollar	27.22	27,221.42
1.4.1.7.2.1	1,000.00 Cubic Yard	Topsoil, Delivered	0.00	0.00	Detail	U.S. Dollar	20.00	20,000.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
IMSOIL	Topsoil		1,000.00 Cubic Yard	U.S. Dollar	20.00	20,000.00		
1.4.1.7.2.2	1,000.00 Cubic Yard	Placement	3.33	300.00	Detail	U.S. Dollar	7.22	7,221.42
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L010101	OPERATOR	66.67	2.00 Each (hourly)	U.S. Dollar	48.95	3,263.09		
RDOZER08	CAT D6N XL	66.67	2.00 Each (hourly)	U.S. Dollar	59.38	3,958.33		
1.4.1.7.3	2.00 Acre	Re-Seed With Native Vegetation	0.00	0.00	Detail	U.S. Dollar	500.00	1,000.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USLANDSCAPE	Landscape Sub		2.00 Acre	U.S. Dollar	500.00	1,000.00		
1.4.2	1.00 Lump Sum	Switchyard Retirement	20.62	0.05	Detail	U.S. Dollar	172,317.45	172,317.45
1.4.2.1	1.00 Day	Fence Removal	1.00	1.00	Detail	U.S. Dollar	1,202.19	1,202.19
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L010101	OPERATOR	10.00	1.00 Each (hourly)	U.S. Dollar	48.95	489.46		
L060100	GENERAL LABORER	10.00	1.00 Each (hourly)	U.S. Dollar	38.04	380.37		
RBACKH09	Deere 710J BACKHOE, 1.62CY	10.00	1.00 Each (hourly)	U.S. Dollar	33.24	332.35		
1.4.2.2	1.00 Each	Transformer Removal	6.00	0.17	Detail	U.S. Dollar	119,639.33	119,639.33
1.4.2.2.1	1.00 Each	Oil Removal & Disposal	1.00	1.00	Detail	U.S. Dollar	86,135.75	86,135.75
1.4.2.2.1.1	1.00 Each	Oil Removal	1.00	1.00	Detail	U.S. Dollar	760.75	760.75
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	20.00	2.00 Each (hourly)	U.S. Dollar	38.04	760.75		
1.4.2.2.1.2	14,000.00 Gallon	Oil Disposal	0.00	0.00	Detail	U.S. Dollar	6.00	84,000.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USDISPOSAL	Disposal Fee's		56,000.00 Each	U.S. Dollar	1.50	84,000.00		
1.4.2.2.1.3	1.00 Each	Trucking - Per Load	0.00	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		
1.4.2.2.2	1.00 Each	Dismantle & Loadout Transformer	5.00	0.20	Detail	U.S. Dollar	33,503.58	33,503.58

Cost Item								
CBS Position Code	Quantity UM	Description	Days	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
1.4.2.2.1	1.00 Each	Dismantle, Cut & Size	5.00	0.20	Detail	U.S. Dollar	28,003.58	28,003.58
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	200.00	4.00 Each (hourly)	U.S. Dollar	38.04	7,607.45		
L010101	OPERATOR	100.00	2.00 Each (hourly)	U.S. Dollar	48.95	4,894.63		
*REXCAV06A	Excav 100K w/ Bucket & Grapple	50.00	1.00 Each (hourly)	U.S. Dollar	124.54	6,226.75		
*REXCAV06E	Excav 100K w/ Shear	50.00	1.00 Each (hourly)	U.S. Dollar	185.50	9,274.75		
1.4.2.2.2	4.00 Each	Trucking - Per Load	0.00	0.00	Detail	U.S. Dollar	1,375.00	5,500.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USTRUCKING	Trucking Sub		5,500.00 Each	U.S. Dollar	1.00	5,500.00		
1.4.2.3	1.00 Each	Remove Control Building	0.50	2.00	Detail	U.S. Dollar	2,432.59	2,432.59
1.4.2.3.1	1.00 Each	Demo	0.50	2.00	Detail	U.S. Dollar	1,057.59	1,057.59
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	5.00	1.00 Each (hourly)	U.S. Dollar	38.04	190.19		
L010101	OPERATOR	5.00	1.00 Each (hourly)	U.S. Dollar	48.95	244.73		
*REXCAV06A	Excav 100K w/ Bucket & Grapple	5.00	1.00 Each (hourly)	U.S. Dollar	124.54	622.68		
1.4.2.3.2	1.00 Each	Trucking - Per Load	0.00	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		
1.4.2.4	2.00 Day	UG Utility & Ground Removal	2.00	1.00	Detail	U.S. Dollar	1,202.19	2,404.37
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L010101	OPERATOR	20.00	1.00 Each (hourly)	U.S. Dollar	48.95	978.93		
L060100	GENERAL LABORER	20.00	1.00 Each (hourly)	U.S. Dollar	38.04	760.75		
RBACKH09	Deere 710J BACKHOE, 1.62CY	20.00	1.00 Each (hourly)	U.S. Dollar	33.24	664.70		
1.4.2.5	500.00 Cubic Yard	Remove Foundations To Subgrade	6.79	73.68	Detail	U.S. Dollar	27.02	13,512.25
1.4.2.5.1	500.00 Cubic Yard	Excavate / Remove Foundation - Various Depth	1.79	280.00	Detail	U.S. Dollar	15.05	7,525.53
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	17.86	1.00 Each (hourly)	U.S. Dollar	38.04	679.24		
L010101	OPERATOR	35.71	2.00 Each (hourly)	U.S. Dollar	48.95	1,748.08		
*REXCAV06C	Excav 100K w/ Hammer	17.86	1.00 Each (hourly)	U.S. Dollar	160.97	2,874.38		
*REXCAV06A	Excav 100K w/ Bucket & Grapple	17.86	1.00 Each (hourly)	U.S. Dollar	124.54	2,223.84		
1.4.2.5.2	500.00 Cubic Yard	Concrete Transport Offsite	5.00	100.00	Detail	U.S. Dollar	11.97	5,986.72
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
RDUTRK06	CAT D350D, 18CY-24CY	50.00	1.00 Each (hourly)	U.S. Dollar	74.29	3,714.50		
L080940	TEAMSTER	50.00	1.00 Each (hourly)	U.S. Dollar	45.44	2,272.22		
1.4.2.6	1.00 Lump Sum	Misc. Material Disposal	0.00	0.00	Detail	U.S. Dollar	1,825.00	1,825.00
1.4.2.6.1	1.00 Each	Trucking - Per Load	0.00	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		

Cost Item								
CBS Position Code	Quantity UM	Description	Days	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
1.4.2.6.2	10.00 Ton	Disposal Cost	0.00	0.00	Detail	U.S. Dollar	45.00	450.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USDISPOSAL	Disposal Fee's		300.00 Each	U.S. Dollar	1.50	450.00		
1.4.2.7	1.00 Lump Sum	Restore Yard	4.33	0.23	Detail	U.S. Dollar	31,301.73	31,301.73
1.4.2.7.1	2.00 Acre	Backfill / Regrade	1.00	2.00	Detail	U.S. Dollar	1,540.15	3,080.31
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	20.00	2.00 Each (hourly)	U.S. Dollar	38.04	760.75		
L010101	OPERATOR	20.00	2.00 Each (hourly)	U.S. Dollar	48.95	978.93		
REXCAV06B	Gradall - Excavator	10.00	1.00 Each (hourly)	U.S. Dollar	75.73	757.29		
*RDOZER08	CAT D6 LGP Dozer	10.00	1.00 Each (hourly)	U.S. Dollar	58.34	583.35		
1.4.2.7.2	1,000.00 Cubic Yard	Vegetative Cover	3.33	300.00	Detail	U.S. Dollar	27.22	27,221.42
1.4.2.7.2.1	1,000.00 Cubic Yard	Topsoil, Delivered	0.00	0.00	Detail	U.S. Dollar	20.00	20,000.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
IMSOIL	Topsoil		1,000.00 Cubic Yard	U.S. Dollar	20.00	20,000.00		
1.4.2.7.2.2	1,000.00 Cubic Yard	Placement	3.33	300.00	Detail	U.S. Dollar	7.22	7,221.42
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L010101	OPERATOR	66.67	2.00 Each (hourly)	U.S. Dollar	48.95	3,263.09		
RDOZER08	CAT D6N XL	66.67	2.00 Each (hourly)	U.S. Dollar	59.38	3,958.33		
1.4.2.7.3	2.00 Acre	Re-Seed With Native Vegetation	0.00	0.00	Detail	U.S. Dollar	500.00	1,000.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USLANDSCAPE	Landscape Sub		2.00 Acre	U.S. Dollar	500.00	1,000.00		
1.5	1.00 Lump Sum	Interconnection Facility Retirement	3.04	0.33	Detail	U.S. Dollar	13,153.62	13,153.62
1.5.1	2.00 Each	Structure Removal	2.00	1.00	Detail	U.S. Dollar	4,255.53	8,511.05
1.5.1.1	2.00 Each	Cut / Lower Structure	1.00	2.00	Detail	U.S. Dollar	1,727.63	3,455.25
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	40.00	4.00 Each (hourly)	U.S. Dollar	38.04	1,521.49		
L010101	OPERATOR	10.00	1.00 Each (hourly)	U.S. Dollar	48.95	489.46		
*RXMISC14	MAN LIFT GAS 125ft	10.00	1.00 Each (hourly)	U.S. Dollar	53.52	535.20		
*RXMISC23	GROVE RT 200 TON	10.00	1.00 Each (hourly)	U.S. Dollar	90.91	909.10		
1.5.1.2	2.00 Each	Cut / Size Structure & Loadout	1.00	2.00	Detail	U.S. Dollar	1,840.40	3,680.80
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	60.00	6.00 Each (hourly)	U.S. Dollar	38.04	2,282.24		
L010101	OPERATOR	10.00	1.00 Each (hourly)	U.S. Dollar	48.95	489.46		
*RXMISC23	GROVE RT 200 TON	10.00	1.00 Each (hourly)	U.S. Dollar	90.91	909.10		
1.5.1.3	1.00 Each	Trucking - Per Load	0.00	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		

Notes: *****
 Assume 9 ton per steel structure

Cost Item								
CBS Position Code	Quantity UM	Description	Days	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
1.5.2	2.00 Each	Remove Foundations To Subgrade	1.04	1.92	Detail	U.S. Dollar	2,321.28	4,642.56
1.5.2.1	2.00 Each	Excavate / Remove Foundation - Various Depth	1.00	2.00	Detail	U.S. Dollar	2,297.34	4,594.67
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	20.00	2.00 Each (hourly)	U.S. Dollar	38.04	760.75		
L010101	OPERATOR	20.00	2.00 Each (hourly)	U.S. Dollar	48.95	978.93		
*REXCAV06C	Excav 100K w/ Hammer	10.00	1.00 Each (hourly)	U.S. Dollar	160.97	1,609.65		
*REXCAV06A	Excav 100K w/ Bucket & Grapple	10.00	1.00 Each (hourly)	U.S. Dollar	124.54	1,245.35		
1.5.2.2	3.00 Cubic Yard	Concrete Transport Offsite	0.04	75.00	Detail	U.S. Dollar	15.96	47.89
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
RDUTRK06	CAT D350D, 18CY-24CY	0.40	1.00 Each (hourly)	U.S. Dollar	74.29	29.72		
L080940	TEAMSTER	0.40	1.00 Each (hourly)	U.S. Dollar	45.44	18.18		
1.6	1.00 Lump Sum	DC Storage Retirement	34.95	0.03	Detail	U.S. Dollar	241,415.90	241,415.90
1.6.1	70.00 MW	Battery Removal & Disposal	28.00	2.50	Detail	U.S. Dollar	2,497.10	174,796.72
1.6.1.1	28.00 Day	Remove Batteries, Load For Transport	28.00	1.00	Detail	U.S. Dollar	1,737.94	48,662.32
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	1,120.00	4.00 Each (hourly)	U.S. Dollar	38.04	42,601.72		
RLIFTS05	JCB 508C, 8,000lbs FRKLFT	280.00	1.00 Each (hourly)	U.S. Dollar	21.65	6,060.60		
1.6.1.2	24.00 Each	Transport Batteries	0.00	0.00	Detail	U.S. Dollar	1,480.60	35,534.40
1.6.1.2.1	24.00 Each	Roll Off Liners	0.00	0.00	Detail	U.S. Dollar	105.60	2,534.40
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
UODCLINER	Rolloff Liner		24.00 Each	U.S. Dollar	105.60	2,534.40		
1.6.1.2.2	24.00 Each	Trucking - Per Load	0.00	0.00	Detail	U.S. Dollar	1,375.00	33,000.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USTRUCKING	Trucking Sub		33,000.00 Each	U.S. Dollar	1.00	33,000.00		
1.6.1.3	302.00 Ton	Disposal Fee's	0.00	0.00	Detail	U.S. Dollar	300.00	90,600.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USDISPOSAL	Disposal Fee's		60,400.00 Each	U.S. Dollar	1.50	90,600.00		
1.6.2	70.00 MW	Structure & Components Removal	6.95	10.08	Detail	U.S. Dollar	951.70	66,619.18
1.6.2.1	301.00 Ton	Structure Demo	6.95	43.33	Detail	U.S. Dollar	111.69	33,619.18
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
*REXCAV06A	Excav 100K w/ Bucket & Grapple	69.46	1.00 Each (hourly)	U.S. Dollar	124.54	8,650.39		
*REXCAV06E	Excav 100K w/ Shear	69.46	1.00 Each (hourly)	U.S. Dollar	185.50	12,884.77		
L010101	OPERATOR	138.92	2.00 Each (hourly)	U.S. Dollar	48.95	6,799.77		
L060100	GENERAL LABORER	138.92	2.00 Each (hourly)	U.S. Dollar	38.04	5,284.25		
1.6.2.2	24.00 Each	Trucking - Per Load	0.00	0.00	Detail	U.S. Dollar	1,375.00	33,000.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USTRUCKING	Trucking Sub		33,000.00 Each	U.S. Dollar	1.00	33,000.00		
1.7	1.00 Lump Sum	Solar Array Retirement	185.58	0.01	Detail	U.S. Dollar	2,433,895.03	2,433,895.03
1.7.1	15,400.00 Linear Feet	Fence Removal	3.00	5,124.80	Detail	U.S. Dollar	1.19	18,391.74
1.7.1.1	15,400.00 Linear Feet	Fence Removal	3.00	5,124.80	Detail	U.S. Dollar	0.93	14,266.74

Cost Item								
CBS Position Code	Quantity UM	Description	Days	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L010101	OPERATOR	90.15	3.00 Each (hourly)	U.S. Dollar	48.95	4,412.50		
L060100	GENERAL LABORER	180.30	6.00 Each (hourly)	U.S. Dollar	38.04	6,858.11		
RBACKH09	Deere 710J BACKHOE, 1.62CY	90.15	3.00 Each (hourly)	U.S. Dollar	33.24	2,996.13		
1.7.1.2	3.00 Each	Trucking - Per Load	0.00	0.00 Detail	U.S. Dollar	1,375.00	4,125.00	
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USTRUCKING	Trucking Sub		4,125.00 Each	U.S. Dollar	1.00	4,125.00		
1.7.2	25.00 Each	Inverter / Transformer Removal	50.00	0.50 Detail	U.S. Dollar	5,089.67	127,241.73	
1.7.2.1	25.00 Each	Disconnect Electrical	25.00	1.00 Detail	U.S. Dollar	1,050.92	26,272.90	
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L010110	ELECTRICIAN	250.00	1.00 Each (hourly)	U.S. Dollar	55.99	13,997.34		
L060100	GENERAL LABORER	250.00	1.00 Each (hourly)	U.S. Dollar	38.04	9,509.31		
RPUTRK05	F-250 4X4 3/4 TON PICKUP	250.00	1.00 Each (hourly)	U.S. Dollar	11.07	2,766.25		
1.7.2.2	25.00 Each	Loadout Inverter & Transformer	25.00	1.00 Detail	U.S. Dollar	2,663.75	66,593.83	
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	1,000.00	4.00 Each (hourly)	U.S. Dollar	38.04	38,037.25		
L010101	OPERATOR	250.00	1.00 Each (hourly)	U.S. Dollar	48.95	12,236.58		
RHYDCR06	GROVE RT880 73 TON	250.00	1.00 Each (hourly)	U.S. Dollar	65.28	16,320.00		
1.7.2.3	25.00 Each	Trucking - Per Load	0.00	0.00 Detail	U.S. Dollar	1,375.00	34,375.00	
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USTRUCKING	Trucking Sub		34,375.00 Each	U.S. Dollar	1.00	34,375.00		
1.7.3	25.00 Each	Remove Foundations To Subgrade	32.57	0.77 Detail	U.S. Dollar	2,594.35	64,858.79	

Notes: *****
Assumption: 24x36x1 concrete pad per inverter/
transformer

1.7.3.1	2,400.00 Cubic Yard	Excavate / Remove Foundation	8.57	280.00 Detail	U.S. Dollar	15.05	36,122.56	
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	85.71	1.00 Each (hourly)	U.S. Dollar	38.04	3,260.34		
L010101	OPERATOR	171.43	2.00 Each (hourly)	U.S. Dollar	48.95	8,390.79		
*REXCAV06C	Excav 100K w/ Hammer	85.71	1.00 Each (hourly)	U.S. Dollar	160.97	13,797.00		
*REXCAV06A	Excav 100K w/ Bucket & Grapple	85.71	1.00 Each (hourly)	U.S. Dollar	124.54	10,674.43		
1.7.3.2	2,400.00 Cubic Yard	Concrete Transport Offsite	24.00	100.00 Detail	U.S. Dollar	11.97	28,736.23	
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
RDUTRK06	CAT D350D, 18CY-24CY	240.00	1.00 Each (hourly)	U.S. Dollar	74.29	17,829.60		
L080940	TEAMSTER	240.00	1.00 Each (hourly)	U.S. Dollar	45.44	10,906.63		
1.7.4	180,000.00 Each	Solar Panel Removal & Disposal	37.50	4,800.00 Detail	U.S. Dollar	6.00	1,080,855.68	
1.7.4.1	180,000.00 Each	Solar Panel Removal	37.50	4,800.00 Detail	U.S. Dollar	2.78	501,165.68	
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
RLIFTS05	JCB 508C, 8,000lbs FRKLFT	2,250.00	6.00 Each (hourly)	U.S. Dollar	21.65	48,701.25		
L010101	OPERATOR	2,250.00	6.00 Each (hourly)	U.S. Dollar	48.95	110,129.18		
L060100	GENERAL LABORER	9,000.00	24.00 Each (hourly)	U.S. Dollar	38.04	342,335.25		

Notes: *****
Assumed production: 20 panels per laborer per hour,
Includes packaging and preparing for shipment offsite.

Cost Item								
CBS Position Code	Quantity UM	Description	Days	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
1.7.4.2	243.00 Each	Trucking - Per Load	0.00	0.00	Detail	U.S. Dollar	1,375.00	334,125.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USTRUCKING	Trucking Sub		334,125.00 Each	U.S. Dollar	1.00	334,125.00		
Notes: ***** Assumption: 45,000 lbs per load *****								
1.7.4.3	5,457.00 Ton	Disposal Cost	0.00	0.00	Detail	U.S. Dollar	45.00	245,565.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USDISPOSAL	Disposal Fee's		163,710.00 Each	U.S. Dollar	1.50	245,565.00		
Notes: ***** Assumption: 180,000 modules x 60.63 lbs each *****								
1.7.5	1.00 Lump Sum	Rack & Post Removal	62.50	0.02	Detail	U.S. Dollar	1,142,547.10	1,142,547.10
1.7.5.1	2,999.00 Each	Rack & Post Removal (Concrete Encased)	37.49	80.00	Detail	U.S. Dollar	340.20	1,020,246.53
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L010101	OPERATOR	4,498.50	12.00 Each (hourly)	U.S. Dollar	48.95	220,184.93		
L060100	GENERAL LABORER	1,499.50	4.00 Each (hourly)	U.S. Dollar	38.04	57,036.86		
*REXCAV06A	Excav 100K w/ Bucket & Grapple	1,499.50	4.00 Each (hourly)	U.S. Dollar	124.54	186,740.23		
*REXCAV06E	Excav 100K w/ Shear	1,499.50	4.00 Each (hourly)	U.S. Dollar	185.50	278,149.75		
*REXCAV06B	Excav 100K w/ Concrete Processor	1,499.50	4.00 Each (hourly)	U.S. Dollar	185.49	278,134.76		
Notes: ***** Assumed production: .5 hour per rack per crew. Crew to include 1 excavator w/shear, 1 excavator w/grapple, 1 excavator w/concrete processor, 3 operators and 1 laborers. Includes post removal, process concrete backfill, sizing of steel for sale as scrap, and loadout to haul trucks. 11 piles & 60 modules per rack. *****								
1.7.5.2	1.00 Each	Rack & Post Removal (Non Concrete Encased)	0.01	80.00	Detail	U.S. Dollar	242.00	242.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L010101	OPERATOR	1.00	8.00 Each (hourly)	U.S. Dollar	48.95	48.95		
L060100	GENERAL LABORER	1.00	8.00 Each (hourly)	U.S. Dollar	38.04	38.04		
*REXCAV06A	Excav 100K w/ Bucket & Grapple	0.50	4.00 Each (hourly)	U.S. Dollar	124.54	62.27		
*REXCAV06E	Excav 100K w/ Shear	0.50	4.00 Each (hourly)	U.S. Dollar	185.50	92.75		
Notes: ***** Assumed production: .5 hour per rack per crew. Crew to include 1 excavator w/shear, 1 excavator w/grapple, 2 operators and 2 laborers. Includes post removal, sizing of steel for sale as scrap, and loadout to haul trucks. 11 piles & 60 modules per rack. *****								
1.7.5.3	67.00 Each	Trucking - Per Load	0.00	0.00	Detail	U.S. Dollar	1,375.00	92,125.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USTRUCKING	Trucking Sub		92,125.00 Each	U.S. Dollar	1.00	92,125.00		
Notes: ***** Assumption: 45,000 lbs per load *****								
1.7.5.4	2,500.00 Cubic Yard	Concrete Transport Offsite	25.00	100.00	Detail	U.S. Dollar	11.97	29,933.58
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
RDUTRK06	CAT D350D, 18CY-24CY	250.00	1.00 Each (hourly)	U.S. Dollar	74.29	18,572.50		
L080940	TEAMSTER	250.00	1.00 Each (hourly)	U.S. Dollar	45.44	11,361.08		

Cost Item									
CBS Position Code	Quantity	UM	Description	Days	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
1.8	1.00	Lump Sum	Site Restoration - Site Seeding	47.74	0.02	Detail	U.S. Dollar	340,379.54	340,379.54
1.8.1	18,100.00	Linear Feet	Decompact & Remove Gravel From Roads	7.24	2,500.00	Detail	U.S. Dollar	2.29	41,481.69
Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost		
*RDOZER08	CAT D6 LGP Dozer	144.80	2.00	Each (hourly)	U.S. Dollar	58.34	8,446.91		
L010101	OPERATOR	362.00	5.00	Each (hourly)	U.S. Dollar	48.95	17,718.56		
RDUTRK06	CAT D350D, 18CY-24CY	144.80	2.00	Each (hourly)	U.S. Dollar	74.29	10,757.19		
RFELWH09	CAT 966F LOADER, 4.25CY	72.40	1.00	Each (hourly)	U.S. Dollar	62.97	4,559.03		
Notes: *****									
Decompaction to include discing and regrading									

1.8.2	2,500.00	Cubic Yard	Import Backfill	0.00	0.00	Detail	U.S. Dollar	20.00	50,000.00
Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost		
IMSOIL	Topsoil		2,500.00	Cubic Yard	U.S. Dollar	20.00	50,000.00		
1.8.3	324.00	Acre	Spot Grade Disturbed Areas	40.50	8.00	Detail	U.S. Dollar	268.20	86,897.85
Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost		
*RDOZER08	CAT D6 LGP Dozer	810.00	2.00	Each (hourly)	U.S. Dollar	58.34	47,251.35		
L010101	OPERATOR	810.00	2.00	Each (hourly)	U.S. Dollar	48.95	39,646.50		
Notes: *****									
Assumption: 324 acres total property area.									
Assume that 100% of the area disturbed by construction will be regraded									

1.8.4	324.00	Acre	Re-Seed With Native Vegetation - Roads & Areas Disturbed By Construction	0.00	0.00	Detail	U.S. Dollar	500.00	162,000.00
Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost		
USLANDSCAPE	Landscape Sub		324.00	Acre	U.S. Dollar	500.00	162,000.00		
Notes: *****									
Assumption: 324 acres total property area.									
Assume that 100% of the area disturbed by construction will be re-seeded									

1.9	1.00	Lump Sum	Contractor Markups	0.00	0.00	Detail	U.S. Dollar	683,650.04	683,650.04
1.9.1	1.00	Lump Sum	Home Office, Project Management (5% Of Cost)	0.00	0.00	Detail	U.S. Dollar	183,284.20	183,284.20
Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost		
USMARKUP5	5% Markup		3,665,684.00	Each	U.S. Dollar	0.05	183,284.20		
1.9.2	1.00	Lump Sum	Contractor OH & Fee (13% Of Cost)	0.00	0.00	Detail	U.S. Dollar	500,365.84	500,365.84
Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost		
USMARKUP	13% Markup		3,848,968.00	Each	U.S. Dollar	0.13	500,365.84		
1.10	1.00	Lump Sum	ODOE Applied Contingencies	0.00	0.00	Detail	U.S. Dollar	913,360.14	913,360.14
1.10.1	1.00	Lump Sum	1% Performance Bond	0.00	0.00	Detail	U.S. Dollar	43,493.34	43,493.34
Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost		
UODOE1	ODOE 1% Markup		4,349,334.00	Each	U.S. Dollar	0.01	43,493.34		
1.10.2	1.00	Lump Sum	10% Administration and Project Management	0.00	0.00	Detail	U.S. Dollar	434,933.40	434,933.40
Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost		
UODOE10	ODOE 10% Markup		4,349,334.00	Each	U.S. Dollar	0.10	434,933.40		
1.10.3	1.00	Lump Sum	10% Future Development Contingency	0.00	0.00	Detail	U.S. Dollar	434,933.40	434,933.40

Cost Item									
CBS Position Code	Quantity	UM	Description	Days	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost		
UODOE10	ODOE 10% Markup	4,349,334.00	Each		U.S. Dollar	0.10	434,933.40		
Report Total:			384.19				5,262,694.29		

Category	Total
Labor	1,219,963.36
Rented Equipment	1,066,726.34
Supplies	3,599.40
Materials	90,000.00
Subcontract	1,966,845.04
ODCs	915,560.14