

Exhibit X

Facility Retirement and Site Restoration

**Wheatridge Renewable Energy Facility East
January 2024**

**Prepared for
Wheatridge East Wind, LLC**

Prepared by



TETRA TECH

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Attachment X-1. Wheatridge Renewable Energy Facility East Decommissioning Estimate

Acronyms and Abbreviations

ASC	Application for Site Certificate
Certificate Holder	Wheatridge East Wind, LLC
Facility	Wheatridge Renewable Energy Facility East
met tower	meteorological tower
MW	megawatts
OAR	Oregon Administrative Rules
ODOE	Oregon Department of Energy
RFA	Request for Amendment

1.0 Introduction

The Wheatridge Renewable Energy Facility East (Facility) is an approved, but not yet constructed, wind energy generation facility consisting of up to 66 turbines and related or supporting facilities with a peak generating capacity of up to 200 megawatts (MW), to be located in an Approved Site Boundary of approximately 4,582 acres on over 42,000 acres of leased land in Morrow and Umatilla counties, Oregon. As part of Request for Amendment (RFA) 1 to the Facility Site Certificate, Wheatridge East Wind, LLC (Certificate Holder) is proposing to expand wind power generation at the Facility to provide the opportunity for increased power capacity and availability. This includes expanding the Site Boundary and micrositing corridors, increasing the peak generating capacity by adding more and newer turbines, change the intraconnection routes, and extending the construction date. See the RFA 1's Division 27 document (*Request for Amendment #1 for the Wheatridge Renewable Energy Facility East*) for a more detailed summary of the proposed changes.

This Exhibit X was prepared to meet the submittal requirements in Oregon Administrative Rules (OAR) 345-021-0010(1)(x). Analysis in this exhibit incorporates and/or relies on reference information, analysis, and findings found in the Application for Site Certificate (ASC), previous RFAs, and Oregon Department of Energy (ODOE) Final Orders to demonstrate that the Facility, as modified by RFA 1, continues to comply with applicable Site Certificate conditions and the approval standard in OAR 345-022-0050.

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.

The Energy Facility Siting Council (Council) previously found that the Certificate Holder demonstrated compliance with the Retirement and Financial Assurance standard. The changes proposed in RFA 1 would not result in changes in tasks or actions previously approved by the Council as reasonable for facility decommissioning. The retirement cost estimate for Facility components has been updated (Attachment X-1).

For financial and engineering purposes, the Facility is estimated to have a useful life of at least 50 years. The Facility may be repowered or upgraded during or after that period to extend its lifespan. In the case of a facility upgrade, the Certificate Holder would follow the Council's rules for amending the Site Certificate as defined 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.

In the ASC, the Certificate Holder provided a list of specific actions and tasks needed to remove wind turbines and related or supporting facilities and restore the site to a useful, non-hazardous condition. This RFA 1 lists these actions to be taken for the Facility, in the unlikely event that the Certificate Holder elects to retire the Facility.

In accordance with Condition RET-RF-01, prior to retiring the Facility, the Certificate Holder will prepare a final Retirement Plan for approval by the Council. The proposed final Retirement Plan will be submitted to the ODOE at least 90 days prior to Facility retirement, in accordance with Condition RET-RF-02. The Retirement Plan will describe the activities necessary to restore the site to a useful, nonhazardous condition, as described in OAR 345-027-0110(5). After Council approval of the Retirement Plan, the Certificate Holder will obtain the necessary authorization from the appropriate regulatory agencies and landowners to proceed with decommissioning of the site.

Decommissioning will consist of the following steps:

- Dismantle turbines, towers, met tower, and pad transformers; remove and sell for use or scrap where possible.
- Dismantle battery components.
- Dismantle the substations.
- Dismantle aboveground electrical equipment (transmission lines).
- Remove concrete turbine and met tower foundations to a minimum of 3 feet below grade.
- Remove and reclaim Facility roads or leave in place if preferred by landowner.
- Restore surface soils to original condition or as agreed with landowner.

Decommissioning measures will occur in roughly the reverse order as construction. Large aboveground structures such as wind turbines, met towers, and battery components will be dismantled and removed. Metal components, such as turbine towers and nacelles, will have considerable scrap value and will be separated from nonmetal components to be sold for re-use or scrap. Nonmetal components will be recycled to the extent practicable or disposed of at authorized sites (see Exhibit W).

Electrical components including substations and transmission lines, along with their support structures, will be dismantled and removed for off-site disposal. The battery systems will be dismantled and disposed of in the same manner as routine battery disposal. Self-contained battery components will be removed and recycled if possible or disposed of at an approved facility, and containers will be dismantled and removed for offsite recycling or disposal.

Subsurface features including underground collector lines and concrete structures will be removed to a minimum of 2 feet below ground surface or as agreed with the landowner (depending on ground slope), to allow continued use of the land for agricultural purposes. Land will be regraded and restored in accordance with the revegetation plan. Portions of underground equipment below 3 feet will be left in place. Any foundations in Exclusive Farm Use (EFU) zoned lands will be removed to a depth 3 feet below grade. For all infrastructure foundation areas, the area will then be filled with soil or gravel.

Access roads will be reclaimed by regrading and removal of road surfaces, to restore to a condition suitable for agricultural practices in accordance with landowner agreements. If the landowner prefers to retain roads, they will be left in place. Reclamation procedures will be based on site-specific requirements and techniques commonly employed at the time the area is to be reclaimed. As appropriate based on intended use of the land following decommissioning, the land will be reseeded in accordance with the Facility's revegetation plan (see Exhibit P) which will be developed in consultation with the Morrow County Weed Inspector. Vegetation will be restored to the maximum extent practicable, and all areas disturbed by construction shall be landscaped in a manner compatible with the surroundings and proposed use. No forested areas would be impacted. All line structure locations and access roads will be restored to a useful, condition consistent with site zoning. This restoration will include restoring the site to a condition suitable for uses comparable with the surrounding land uses, intended land use, and then-current technologies.

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 X-1 provides a detailed Facility retirement and restoration cost estimate for the Facility. The estimated cost of retirement and restoration for the Facility is \$27.2 million (in fourth-quarter 2023 dollars; with ODOE contingencies; see Attachment X-1).

The Certificate Holder's ability to achieve the objectives of the Council's financial assurance rules is described in Exhibit M; Attachment M-2 demonstrates an ability to secure a letter of credit to use towards the cost of site restoration. Decommissioning financial assurances shall be in place prior to the start of construction of the Facility.

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 scope of work and individual tasks were established using professional experience, in collaboration with Certificate Holder's engineering staff and contractors. The Facility 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 Means¹. Labor and equipment rates prevalent to the geographic area of the Facility 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 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. The rates assume the use of rental equipment, not owned equipment.
- Mobilization and demobilization costs are estimated to be approximately 2 percent of the overall contractor's costs. This reflects the actual cost to mobilize equipment, facilities, and crew to the Facility site, assuming the work is performed by local contractors. This amount does not include the front-loading of costs 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.
- Roads would be restored pursuant to the Council-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 would be restored at the request of the current landowner.
- The costs for temporary facilities have been included in the restoration cost. These include an office trailer, two Conex storage units, portable toilets, first-aid supplies, and utilities.

¹ www.rsmeans.com

- Field management during construction activities has been added to the estimate. These include one Superintendent, one Health & Safety Representative and two Field Engineers. These positions are critical to the safe and successful execution of work.

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.

In the event that the Certificate Holder elects to retire the Facility, the site could be restored to a useful, non-hazardous condition consistent with site zoning, including EFU zoning. The Facility is not expected to cause site contamination with hazardous materials, and no contamination monitoring plan is proposed. The existing facilities could be removed without significant risk of contamination.

Hazardous materials associated with the Facility would largely be limited to oils in turbine gearboxes and transformers, which would be pumped out to a specialized vehicle for recycling prior to removing the equipment. The proposed Facility would not have any underground storage tanks or onsite 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 Facility site, soil contamination is highly unlikely, and therefore a monitoring plan is unnecessary.

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Attachment X-1. Wheatridge Renewable Energy Facility East Decommissioning Estimate

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Revised 10/9/2023

CBS Position Code	Description	Forecast (T/O) Quantity	Unit of Measure	Unit Cost	Total Cost (Forecast)
1	WHEATRIDGE EAST WIND RETIREMENT	1.00	Lump Sum	\$27,190,182.27	\$27,190,182.27
1.1	Equipment & Facilities Mob / Demob	1.00	Lump Sum	\$905,516.25	\$905,516.25
1.1.1	Equipment Mob	1.00	Lump Sum	\$40,600.00	\$40,600.00
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	\$13,043.25	\$39,129.75
1.1.4	Crew Demob & Site Cleanup	2.00	Day	\$13,043.25	\$26,086.50
1.1.5	Mob-Erection Sub	1.00	Lump Sum	\$797,500.00	\$797,500.00
1.2	Project Site Support	1.00	Lump Sum	\$1,036,149.02	\$1,036,149.02
1.2.1	Site Facilities	12.00	Month	\$1,905.00	\$22,860.00
1.2.2	Field Management	12.00	Month	\$84,440.75	\$1,013,289.02
1.3	Substation Retirement	1.00	Lump Sum	\$259,359.11	\$259,359.11
1.3.1	Fence Removal	1.00	Day	\$1,740.83	\$1,740.83
1.3.2	Transformer Removal	2.00	Each	\$100,274.74	\$200,549.48
1.3.3	Remove Control Building	1.00	Each	\$2,780.41	\$2,780.41
1.3.4	UG Utility & Ground Removal	2.00	Day	\$1,740.83	\$3,481.66
1.3.5	Remove Foundations To Subgrade	500.00	Cubic Yard	\$35.67	\$17,833.25
1.3.6	Misc. Material Disposal	1.00	Lump Sum	\$2,075.00	\$2,075.00
1.3.7	Restore Yard	1.00	Lump Sum	\$30,898.48	\$30,898.48
1.4	Transmission Line Retirement	1.00	Lump Sum	\$4,812,002.13	\$4,812,002.13
1.4.1	Conductor Removal	54.00	Mile	\$37,468.00	\$2,023,271.96
1.4.2	Structure Removal	197.00	Each	\$5,507.27	\$1,084,932.64
1.4.3	Remove Foundations To Subgrade	197.00	Each	\$6,020.68	\$1,186,074.18
1.4.4	Restore Structure Location Work Areas & Roads	197.00	Each	\$2,628.04	\$517,723.35
1.5	30 MW Energy Storage System	30.00	MW	\$6,145.74	\$184,372.25
1.5.1	Battery Removal & Disposal	30.00	MW	\$2,461.26	\$73,837.76
1.5.2	Structure & Components Removal	30.00	MW	\$1,095.63	\$32,868.77
1.5.3	Concrete Breaking & Excavation	260.00	Cubic Yard	\$62.01	\$16,121.57
1.5.4	Concrete Transport Offsite	260.00	Cubic Yard	\$93.15	\$24,219.38
1.5.5	UG Utility Removal	3.00	Day	\$1,740.83	\$5,222.49
1.5.6	Restoration	1.00	Cubic Yard	\$32,102.29	\$32,102.29
1.6	Construct & Remove Temporary Crane Pads	107.00	Each	\$8,901.91	\$952,504.15
1.6.1	Crane Pad 4" Stone 8" Depth	10,700.00	Ton	\$39.63	\$424,008.51
1.6.2	Crane Pad 2" Stone 6" Depth	8,025.00	Ton	\$43.84	\$351,783.51
1.6.3	Remove Crane Pad	107.00	Each	\$1,651.52	\$176,712.12
1.7	WTG Removal	107.00	Each	\$33,000.00	\$3,531,000.00
1.7.1	Remove Top,Nacell, Rotor	107.00	Each	\$22,000.00	\$2,354,000.00
1.7.2	Remove Base & Mid	107.00	Each	\$11,000.00	\$1,177,000.00
1.8	WTG Sizing & Loadout	107.00	Each	\$54,659.26	\$5,848,541.32
1.8.1	Oil Removal & Disposal	107.00	Each	\$371.25	\$39,723.27
1.8.2	Demo & Prepare For Shipment Offsite	46,866.00	Ton	\$39.15	\$1,834,838.05

1.8.3	Blade T&D	3,531.00 Ton	\$130.00	\$459,030.00
1.8.4	Scrap Trucking Cost	46,866.00 Ton	\$75.00	\$3,514,950.00
1.9	WTG Foundation Removal	107.00 Each	\$3,480.85	\$372,450.96
1.9.1	Remove Cylindrical Pedestal	5,029.00 Cubic Yard	\$57.61	\$289,697.20
1.9.2	Concrete Transport Offsite	5,029.00 Cubic Yard	\$16.46	\$82,753.76
1.10	Pad Mount Transformer Removal	107.00 Each	\$2,762.80	\$295,619.07
1.10.1	Oil Removal & Disposal	107.00 Each	\$1,424.29	\$152,399.11
1.10.2	Remove & Loadout Transformer	107.00 Each	\$140.54	\$15,037.94
1.10.3	Scrap Trucking Cost	856.00 Ton	\$75.00	\$64,200.00
1.10.4	Remove Foundations To Subgrade	1,391.00 Cubic Yard	\$46.00	\$63,982.02
1.11	MET Tower Removal	5.00 Each	\$4,850.21	\$24,251.06
1.11.1	Structure Demo	5.00 Each	\$3,115.63	\$15,578.15
1.11.2	Remove Foundation	75.00 Cubic Yard	\$59.18	\$4,438.77
1.11.3	Concrete Transport Offsite	75.00 Cubic Yard	\$16.46	\$1,234.15
1.11.4	Scrap Trucking Cost	40.00 Ton	\$75.00	\$3,000.00
1.12	Site Restoration - Partial Site Seeding	1.00 Lump Sum	\$691,635.75	\$691,635.75
1.12.1	Remove Road Culverts	5.00 Each	\$1,530.48	\$7,652.42
1.12.2	Restore Turbine Locations	107.00 Each	\$4,608.88	\$493,150.46
1.12.3	Road Removal	15.00 Mile	\$12,722.19	\$190,832.87
1.13	Contractor Markups	1.00 Lump Sum	\$3,527,349.28	\$3,527,349.28
1.13.1	Home Office, Project Management (5% Of Cost)	1.00 Lump Sum	\$945,670.05	\$945,670.05
1.13.2	Contractor OH & Fee (13% Of Cost)	1.00 Lump Sum	\$2,581,679.23	\$2,581,679.23
1.14	ODOE Mandated Contingencies	1.00 Lump Sum	\$4,749,431.90	\$4,749,431.90
1.14.1	20% Contingency on BESS	1.00 Lump Sum	\$36,874.40	\$36,874.40
1.14.2	1% Performance Bond	1.00 Lump Sum	\$224,407.50	\$224,407.50
1.14.3	10% Administrative and Project Management	1.00 Lump Sum	\$2,244,075.00	\$2,244,075.00
1.14.4	10% Future Development Contingency	1.00 Lump Sum	\$2,244,075.00	\$2,244,075.00

Estimate Summary

TETRA TECH EC, INC.

Job Code: Wheatridge East Wind

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	WHEATRIDGE EAST WIND RETIREMENT	0.00	Detail	U.S. Dollar	27,190,182.27	27,190,182.27
1.1	1.00 Lump Sum	Equipment & Facilities Mob / Demob	0.20	Detail	U.S. Dollar	905,516.25	905,516.25
1.1.1	1.00 Lump Sum	Equipment Mob	0.00	Detail	U.S. Dollar	40,600.00	40,600.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
UERNTRLG	Rental Equip Transp-Large		4.00 Each	U.S. Dollar	10,000.00	40,000.00	
UERNTRSM	Rental Equip Transp-Small		4.00 Each	U.S. Dollar	150.00	600.00	
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	13,043.25	39,129.75
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
L060100	GENERAL LABORER	480.00	16.00 Each (hourly)	U.S. Dollar	52.03	24,973.80	
L010101	OPERATOR	180.00	6.00 Each (hourly)	U.S. Dollar	78.64	14,155.95	
1.1.4	2.00 Day	Crew Demob & Site Cleanup	1.00	Detail	U.S. Dollar	13,043.25	26,086.50
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
L060100	GENERAL LABORER	320.00	16.00 Each (hourly)	U.S. Dollar	52.03	16,649.20	
L010101	OPERATOR	120.00	6.00 Each (hourly)	U.S. Dollar	78.64	9,437.30	
1.1.5	1.00 Lump Sum	Mob-Erection Sub	0.00	Detail	U.S. Dollar	797,500.00	797,500.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
USERECTMOB	Sub-Erection Mobilization		1.00 Each	U.S. Dollar	797,500.00	797,500.00	
Notes: ***** Historical pricing from past projects *****							
1.2	1.00 Lump Sum	Project Site Support	0.00	Detail	U.S. Dollar	1,036,149.02	1,036,149.02
1.2.1	12.00 Month	Site Facilities	0.00	Detail	U.S. Dollar	1,905.00	22,860.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
URCONNEX	Connex Box		12.00 Month	U.S. Dollar	150.00	1,800.00	
UROFFTRL	Office Trailer -12x60		12.00 Month	U.S. Dollar	500.00	6,000.00	
UO1STAI	1st Aid Supplies		12.00 Month	U.S. Dollar	300.00	3,600.00	
UOOFFSUP	Office Supplies(\$/prs/mo)		12.00 Month	U.S. Dollar	55.00	660.00	
URPRTAJH	Port-a-John Unit(s) (4)		36.00 Month	U.S. Dollar	300.00	10,800.00	
1.2.2	12.00 Month	Field Management	0.05	Detail	U.S. Dollar	84,440.75	1,013,289.02
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
L90FXX02	Field - Proj Superintendent	2,640.00	1.00 Each (hourly)	U.S. Dollar	125.40	331,056.00	
RPUTRK05	F-250 4X4 3/4 TON PICKUP	7,920.00	3.00 Each (hourly)	U.S. Dollar	15.14	119,908.80	
L90FEL00	Field - Engr. Tech	2,640.00	1.00 Each (hourly)	U.S. Dollar	87.60	231,268.22	
L90FXX03	Field - SHSO	2,640.00	1.00 Each (hourly)	U.S. Dollar	125.40	331,056.00	
1.3	1.00 Lump Sum	Substation Retirement	0.03	Detail	U.S. Dollar	259,359.11	259,359.11
1.3.1	1.00 Day	Fence Removal	1.00	Detail	U.S. Dollar	1,740.83	1,740.83

Cost Item							
CBS Position Code	Quantity UM	Description	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
L010101	OPERATOR	10.00	1.00 Each (hourly)	U.S. Dollar	78.64	786.44	
L060100	GENERAL LABORER	10.00	1.00 Each (hourly)	U.S. Dollar	52.03	520.29	
RBACKH09	Deere 710J BACKHOE, 1.62CY	10.00	1.00 Each (hourly)	U.S. Dollar	43.41	434.10	
1.3.2	2.00 Each	Transformer Removal	0.17	Detail	U.S. Dollar	100,274.74	200,549.48
1.3.2.1	2.00 Each	Oil Removal & Disposal	1.00	Detail	U.S. Dollar	58,415.58	116,831.15
1.3.2.1.1	2.00 Each	Oil Removal	1.00	Detail	U.S. Dollar	1,040.58	2,081.15
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
L060100	GENERAL LABORER	40.00	2.00 Each (hourly)	U.S. Dollar	52.03	2,081.15	
1.3.2.1.2	28,000.00 Gallon	Oil Disposal	0.00	Detail	U.S. Dollar	4.00	112,000.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
USDISPOSAL	Disposal Fee's		112,000.00 Each	U.S. Dollar	1.00	112,000.00	
1.3.2.1.3	2.00 Each	Trucking - Per Load	0.00	Detail	U.S. Dollar	1,375.00	2,750.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
USTRUCKING	Trucking Sub		2,750.00 Each	U.S. Dollar	1.00	2,750.00	
1.3.2.2	2.00 Each	Dismantle & Loadout Transformer	0.20	Detail	U.S. Dollar	41,859.17	83,718.33
1.3.2.2.1	2.00 Each	Dismantle, Cut & Size	0.20	Detail	U.S. Dollar	36,359.17	72,718.33
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
L060100	GENERAL LABORER	400.00	4.00 Each (hourly)	U.S. Dollar	52.03	20,811.50	
L010101	OPERATOR	200.00	2.00 Each (hourly)	U.S. Dollar	78.64	15,728.83	
*REXCAV06A	Excav 100K w/ Bucket & Grapple	100.00	1.00 Each (hourly)	U.S. Dollar	150.41	15,041.00	
*REXCAV06E	Excav 100K w/ Shear	100.00	1.00 Each (hourly)	U.S. Dollar	211.37	21,137.00	
1.3.2.2.2	8.00 Each	Trucking - Per Load	0.00	Detail	U.S. Dollar	1,375.00	11,000.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
USTRUCKING	Trucking Sub		11,000.00 Each	U.S. Dollar	1.00	11,000.00	
1.3.3	1.00 Each	Remove Control Building	2.00	Detail	U.S. Dollar	2,780.41	2,780.41
1.3.3.1	1.00 Each	Demo	2.00	Detail	U.S. Dollar	1,405.41	1,405.41
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
L060100	GENERAL LABORER	5.00	1.00 Each (hourly)	U.S. Dollar	52.03	260.14	
L010101	OPERATOR	5.00	1.00 Each (hourly)	U.S. Dollar	78.64	393.22	
*REXCAV06A	Excav 100K w/ Bucket & Grapple	5.00	1.00 Each (hourly)	U.S. Dollar	150.41	752.05	
1.3.3.2	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	
1.3.4	2.00 Day	UG Utility & Ground Removal	1.00	Detail	U.S. Dollar	1,740.83	3,481.66
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
L010101	OPERATOR	20.00	1.00 Each (hourly)	U.S. Dollar	78.64	1,572.88	
L060100	GENERAL LABORER	20.00	1.00 Each (hourly)	U.S. Dollar	52.03	1,040.58	
RBACKH09	Deere 710J BACKHOE, 1.62CY	20.00	1.00 Each (hourly)	U.S. Dollar	43.41	868.20	
1.3.5	500.00 Cubic Yard	Remove Foundations To Subgrade	73.68	Detail	U.S. Dollar	35.67	17,833.25

Cost Item							
CBS Position Code	Quantity UM	Description	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
1.3.5.1	500.00 Cubic Yard	Excavate / Remove Foundation - Various Depth	280.00	Detail	U.S. Dollar	19.52	9,760.13
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
L060100	GENERAL LABORER	17.86	1.00 Each (hourly)	U.S. Dollar	52.03	929.09	
L010101	OPERATOR	35.71	2.00 Each (hourly)	U.S. Dollar	78.64	2,808.72	
*REXCAV06C	Excav 100K w/ Hammer	17.86	1.00 Each (hourly)	U.S. Dollar	186.84	3,336.43	
*REXCAV06A	Excav 100K w/ Bucket & Grapple	17.86	1.00 Each (hourly)	U.S. Dollar	150.41	2,685.89	
1.3.5.2	500.00 Cubic Yard	Concrete Transport Offsite	100.00	Detail	U.S. Dollar	16.15	8,073.13
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	86.39	4,319.50	
L080940	TEAMSTER	50.00	1.00 Each (hourly)	U.S. Dollar	75.07	3,753.63	
1.3.6	1.00 Lump Sum	Misc. Material Disposal	0.00	Detail	U.S. Dollar	2,075.00	2,075.00
1.3.6.1	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	
1.3.6.2	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	0.07	Detail	U.S. Dollar	30,898.48	30,898.48
1.3.7.1	4.00 Acre	Backfill / Regrade	2.00	Detail	U.S. Dollar	1,909.81	7,639.26
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
L060100	GENERAL LABORER	80.00	4.00 Each (hourly)	U.S. Dollar	52.03	4,162.30	
L010101	OPERATOR	20.00	1.00 Each (hourly)	U.S. Dollar	78.64	1,572.88	
REXCAV06B	Gradall - Excavator	20.00	1.00 Each (hourly)	U.S. Dollar	95.20	1,904.07	
1.3.7.2	2,000.00 Cubic Yard	Stockpiled Topsoil Placement	150.00	Detail	U.S. Dollar	10.03	20,059.22
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
L010101	OPERATOR	133.33	1.00 Each (hourly)	U.S. Dollar	78.64	10,485.89	
RDOZER08	CAT D6N XL	133.33	1.00 Each (hourly)	U.S. Dollar	71.80	9,573.33	
1.3.7.3	4.00 Acre	Re-Seed With Native Vegetation	0.00	Detail	U.S. Dollar	800.00	3,200.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
USLANDSCAPE	Landscape Sub		4.00 Acre	U.S. Dollar	800.00	3,200.00	
1.4	1.00 Lump Sum	Transmission Line Retirement	0.00	Detail	U.S. Dollar	4,812,002.13	4,812,002.13
1.4.1	54.00 Mile	Conductor Removal	0.17	Detail	U.S. Dollar	37,468.00	2,023,271.96
1.4.1.1	54.00 Mile	Cut / Lower Cable, Size & Loadout	0.17	Detail	U.S. Dollar	34,718.00	1,874,771.96
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
L060100	GENERAL LABORER	12,960.00	4.00 Each (hourly)	U.S. Dollar	52.03	674,292.73	
L010101	OPERATOR	6,480.00	2.00 Each (hourly)	U.S. Dollar	78.64	509,614.03	
*RXMISC14	MAN LIFT GAS 125ft	3,240.00	1.00 Each (hourly)	U.S. Dollar	60.32	195,436.80	
RLIFTS05	JCB 508C, 8,000lbs FRKLFT	3,240.00	1.00 Each (hourly)	U.S. Dollar	28.22	91,432.80	
*RXMISC19	Material Handler	3,240.00	1.00 Each (hourly)	U.S. Dollar	124.69	403,995.60	
1.4.1.2	108.00 Each	Trucking - Per Load	0.00	Detail	U.S. Dollar	1,375.00	148,500.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
USTRUCKING	Trucking Sub		148,500.00 Each	U.S. Dollar	1.00	148,500.00	

Cost Item							
CBS Position Code	Quantity UM	Description	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
Notes: ***** Total weight for cable, 40 ton per mile Assume 20 ton per load for trucking *****							
1.4.2	197.00 Each	Structure Removal	1.00	Detail	U.S. Dollar	5,507.27	1,084,932.64
1.4.2.1	197.00 Each	Cut / Lower Structure	2.00	Detail	U.S. Dollar	2,333.70	459,738.09
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
L060100	GENERAL LABORER	3,940.00	4.00 Each (hourly)	U.S. Dollar	52.03	204,993.31	
L010101	OPERATOR	985.00	1.00 Each (hourly)	U.S. Dollar	78.64	77,464.48	
*RXMISC14	MAN LIFT GAS 125ft	985.00	1.00 Each (hourly)	U.S. Dollar	60.32	59,415.20	
*RXMISC23	GROVE RT 200 TON	985.00	1.00 Each (hourly)	U.S. Dollar	119.66	117,865.10	
1.4.2.2	197.00 Each	Cut / Size Structure & Loadout	2.00	Detail	U.S. Dollar	2,552.38	502,819.55
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
L060100	GENERAL LABORER	5,910.00	6.00 Each (hourly)	U.S. Dollar	52.03	307,489.97	
L010101	OPERATOR	985.00	1.00 Each (hourly)	U.S. Dollar	78.64	77,464.48	
*RXMISC23	GROVE RT 200 TON	985.00	1.00 Each (hourly)	U.S. Dollar	119.66	117,865.10	
1.4.2.3	89.00 Each	Trucking - Per Load	0.00	Detail	U.S. Dollar	1,375.00	122,375.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
USTRUCKING	Trucking Sub		122,375.00 Each	U.S. Dollar	1.00	122,375.00	
Notes: ***** Assume 20 ton per load for trucking, 9 ton per structure *****							
1.4.3	197.00 Each	Remove Foundations To Subgrade	0.98	Detail	U.S. Dollar	6,020.68	1,186,074.18
1.4.3.1	197.00 Each	Excavate / Remove Foundation - Various Depth	1.00	Detail	U.S. Dollar	5,985.96	1,179,233.73
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
L060100	GENERAL LABORER	3,940.00	2.00 Each (hourly)	U.S. Dollar	52.03	204,993.31	
L010101	OPERATOR	3,940.00	2.00 Each (hourly)	U.S. Dollar	78.64	309,857.91	
*REXCAV06C	Excav 100K w/ Hammer	1,970.00	1.00 Each (hourly)	U.S. Dollar	186.84	368,074.80	
*REXCAV06A	Excav 100K w/ Bucket & Grapple	1,970.00	1.00 Each (hourly)	U.S. Dollar	150.41	296,307.70	
1.4.3.2	317.74 Cubic Yard	Concrete Transport Offsite	75.00	Detail	U.S. Dollar	21.53	6,840.45
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
RDUTRK06	CAT D350D, 18CY-24CY	42.37	1.00 Each (hourly)	U.S. Dollar	86.39	3,659.96	
L080940	TEAMSTER	42.37	1.00 Each (hourly)	U.S. Dollar	75.07	3,180.49	
1.4.4	197.00 Each	Restore Structure Location Work Areas & Roads	1.03	Detail	U.S. Dollar	2,628.04	517,723.35
1.4.4.1	118.20 Acre	Backfill / Regrade	2.00	Detail	U.S. Dollar	1,909.81	225,740.05
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
L060100	GENERAL LABORER	2,364.00	4.00 Each (hourly)	U.S. Dollar	52.03	122,995.99	
L010101	OPERATOR	591.00	1.00 Each (hourly)	U.S. Dollar	78.64	46,478.69	
REXCAV06B	Gradall - Excavator	591.00	1.00 Each (hourly)	U.S. Dollar	95.20	56,265.37	
1.4.4.2	19,700.00 Cubic Yard	Stockpiled Topsoil Placement	150.00	Detail	U.S. Dollar	10.03	197,583.30
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
L010101	OPERATOR	1,313.33	1.00 Each (hourly)	U.S. Dollar	78.64	103,285.97	
RDOZER08	CAT D6N XL	1,313.33	1.00 Each (hourly)	U.S. Dollar	71.80	94,297.33	
1.4.4.3	118.00 Acre	Re-Seed With Native Vegetation	0.00	Detail	U.S. Dollar	800.00	94,400.00

Cost Item							
CBS Position Code	Quantity UM	Description	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
USLANDSCAPE	Landscape Sub		118.00 Acre	U.S. Dollar	800.00	94,400.00	
1.5	30.00 MW	30 MW Energy Storage System	0.68	Detail	U.S. Dollar	6,145.74	184,372.25
1.5.1	30.00 MW	Battery Removal & Disposal	2.31	Detail	U.S. Dollar	2,461.26	73,837.76
1.5.1.1	13.00 Day	Remove Batteries, Load For Transport	1.00	Detail	U.S. Dollar	2,363.35	30,723.56
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
L060100	GENERAL LABORER	520.00	4.00 Each (hourly)	U.S. Dollar	52.03	27,054.96	
RLIFTS05	JCB 508C, 8,000lbs FRKLFT	130.00	1.00 Each (hourly)	U.S. Dollar	28.22	3,668.60	
1.5.1.2	7.00 Each	Transport Batteries	0.00	Detail	U.S. Dollar	1,480.60	10,364.20
1.5.1.2.1	7.00 Each	Roll Off Liners	0.00	Detail	U.S. Dollar	105.60	739.20
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
UODCLINER	Rolloff Liner		7.00 Each	U.S. Dollar	105.60	739.20	
1.5.1.2.2	7.00 Each	Trucking - Per Load	0.00	Detail	U.S. Dollar	1,375.00	9,625.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
USTRUCKING	Trucking Sub		9,625.00 Each	U.S. Dollar	1.00	9,625.00	
1.5.1.3	131.00 Ton	Disposal Fee's	0.00	Detail	U.S. Dollar	250.00	32,750.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
USDISPOSAL	Disposal Fee's		32,750.00 Each	U.S. Dollar	1.00	32,750.00	
Notes: ***** 12 modules per 163.7 KW, for a total of 2199 modules. Each module is 119 lbs, for a total of 131 tons of modules. *****							
1.5.2	30.00 MW	Structure & Components Removal	10.00	Detail	U.S. Dollar	1,095.63	32,868.77
1.5.2.1	130.00 Ton	Structure Demo	43.33	Detail	U.S. Dollar	143.80	18,693.77
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
*REXCAV06A	Excav 100K w/ Bucket & Grapple	30.00	1.00 Each (hourly)	U.S. Dollar	150.41	4,512.30	
*REXCAV06E	Excav 100K w/ Shear	30.00	1.00 Each (hourly)	U.S. Dollar	211.37	6,341.10	
L010101	OPERATOR	60.00	2.00 Each (hourly)	U.S. Dollar	78.64	4,718.65	
L060100	GENERAL LABORER	60.00	2.00 Each (hourly)	U.S. Dollar	52.03	3,121.73	
1.5.2.2	7.00 Each	Trucking - Per Load	0.00	Detail	U.S. Dollar	1,375.00	9,625.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
USTRUCKING	Trucking Sub		9,625.00 Each	U.S. Dollar	1.00	9,625.00	
1.5.2.3	65.00 Ton	Disposal Cost	0.00	Detail	U.S. Dollar	70.00	4,550.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
USDISPOSAL	Disposal Fee's		4,550.00 Each	U.S. Dollar	1.00	4,550.00	
1.5.3	260.00 Cubic Yard	Concrete Breaking & Excavation	86.67	Detail	U.S. Dollar	62.01	16,121.57
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
*REXCAV06C	Excav 100K w/ Hammer	30.00	1.00 Each (hourly)	U.S. Dollar	186.84	5,605.20	
*RFELWH08C	CAT 980 LOADER	30.00	1.00 Each (hourly)	U.S. Dollar	89.20	2,676.00	
L010101	OPERATOR	60.00	2.00 Each (hourly)	U.S. Dollar	78.64	4,718.65	
L060100	GENERAL LABORER	60.00	2.00 Each (hourly)	U.S. Dollar	52.03	3,121.73	
1.5.4	260.00 Cubic Yard	Concrete Transport Offsite	17.33	Detail	U.S. Dollar	93.15	24,219.38

Cost Item							
CBS Position Code	Quantity UM	Description	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
Resource Code	Description	Hours	Quantity UM	Currency		Unit Cost	Total Cost
RDUTRK06	CAT D350D, 18CY-24CY	150.00	1.00 Each (hourly)	U.S. Dollar		86.39	12,958.50
L080940	TEAMSTER	150.00	1.00 Each (hourly)	U.S. Dollar		75.07	11,260.88
1.5.5	3.00 Day	UG Utility Removal	1.00	Detail	U.S. Dollar	1,740.83	5,222.49
Resource Code	Description	Hours	Quantity UM	Currency		Unit Cost	Total Cost
L010101	OPERATOR	30.00	1.00 Each (hourly)	U.S. Dollar		78.64	2,359.32
L060100	GENERAL LABORER	30.00	1.00 Each (hourly)	U.S. Dollar		52.03	1,560.86
RBACKH09	Deere 710J BACKHOE, 1.62CY	30.00	1.00 Each (hourly)	U.S. Dollar		43.41	1,302.30
1.5.6	1.00 Cubic Yard	Restoration	0.14	Detail	U.S. Dollar	32,102.29	32,102.29
1.5.6.1	1.00 Lump Sum	Gravel Removal	0.33	Detail	U.S. Dollar	22,084.52	22,084.52
Resource Code	Description	Hours	Quantity UM	Currency		Unit Cost	Total Cost
L010101	OPERATOR	60.00	2.00 Each (hourly)	U.S. Dollar		78.64	4,718.65
L060100	GENERAL LABORER	60.00	2.00 Each (hourly)	U.S. Dollar		52.03	3,121.73
L080940	TEAMSTER	60.00	2.00 Each (hourly)	U.S. Dollar		75.07	4,504.35
RDUTRK06	CAT D350D, 18CY-24CY	60.00	2.00 Each (hourly)	U.S. Dollar		86.39	5,183.40
RFELWH09	CAT 966F LOADER, 4.25CY	30.00	1.00 Each (hourly)	U.S. Dollar		81.12	2,433.60
*RDOZER08	CAT D6 LGP Dozer	30.00	1.00 Each (hourly)	U.S. Dollar		70.76	2,122.80
Notes: ***** Assume topsoil removed during original construction is available for restoration *****							
1.5.6.2	1.00 Lump Sum	Stockpiled Topsoil Placement	0.25	Detail	U.S. Dollar	6,017.77	6,017.77
Resource Code	Description	Hours	Quantity UM	Currency		Unit Cost	Total Cost
L010101	OPERATOR	40.00	1.00 Each (hourly)	U.S. Dollar		78.64	3,145.77
RDOZER08	CAT D6N XL	40.00	1.00 Each (hourly)	U.S. Dollar		71.80	2,872.00
1.5.6.3	5.00 Acre	Re-Seed With Native Vegetation	0.00	Detail	U.S. Dollar	800.00	4,000.00
Resource Code	Description	Hours	Quantity UM	Currency		Unit Cost	Total Cost
USLANDSCAPE	Landscape Sub		5.00 Acre	U.S. Dollar		800.00	4,000.00
1.6	107.00 Each	Construct & Remove Temporary Crane Pads	0.75	Detail	U.S. Dollar	8,901.91	952,504.15
Notes: ***** 60' x 40' Temporary Crane Pad *****							
1.6.1	10,700.00 Ton	Crane Pad 4" Stone 8" Depth	200.00	Detail	U.S. Dollar	39.63	424,008.51
Resource Code	Description	Hours	Quantity UM	Currency		Unit Cost	Total Cost
M4"STONE	4" Stone		10,700.00 Ton	U.S. Dollar		17.00	181,900.00
RDOZER06	CAT D5H XL	535.00	1.00 Each (hourly)	U.S. Dollar		43.56	23,301.93
RROLLR06	CP-563C 84" SMOOTH DRUM	535.00	1.00 Each (hourly)	U.S. Dollar		51.70	27,657.36
L010101	OPERATOR	1,070.00	2.00 Each (hourly)	U.S. Dollar		78.64	84,149.23
USSTONETRK	Sub-Trucking of Stone		10,700.00 Ton	U.S. Dollar		10.00	107,000.00
1.6.2	8,025.00 Ton	Crane Pad 2" Stone 6" Depth	150.00	Detail	U.S. Dollar	43.84	351,783.51
Resource Code	Description	Hours	Quantity UM	Currency		Unit Cost	Total Cost
USSTONETRK	Sub-Trucking of Stone		8,025.00 Ton	U.S. Dollar		10.00	80,250.00
L010101	OPERATOR	1,070.00	2.00 Each (hourly)	U.S. Dollar		78.64	84,149.23
RDOZER06	CAT D5H XL	535.00	1.00 Each (hourly)	U.S. Dollar		43.56	23,301.93
RROLLR06	CP-563C 84" SMOOTH DRUM	535.00	1.00 Each (hourly)	U.S. Dollar		51.70	27,657.36
M2"STONE	Material - 2" Stone		8,025.00 Ton	U.S. Dollar		17.00	136,425.00
1.6.3	107.00 Each	Remove Crane Pad	3.00	Detail	U.S. Dollar	1,651.52	176,712.12

Cost Item							
CBS Position Code	Quantity UM	Description	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
Resource Code	Description	Hours	Quantity UM	Currency		Unit Cost	Total Cost
RDOZER06	CAT D5H XL	356.67	1.00 Each (hourly)	U.S. Dollar		43.56	15,534.62
RFELWH09	CAT 966F LOADER, 4.25CY	356.67	1.00 Each (hourly)	U.S. Dollar		81.12	28,932.80
L010101	OPERATOR	713.33	2.00 Each (hourly)	U.S. Dollar		78.64	56,099.49
L060100	GENERAL LABORER	356.67	1.00 Each (hourly)	U.S. Dollar		52.03	18,556.92
RDUTRK06	CAT D350D, 18CY-24CY	356.67	1.00 Each (hourly)	U.S. Dollar		86.39	30,812.43
L080940	TEAMSTER	356.67	1.00 Each (hourly)	U.S. Dollar		75.07	26,775.86
1.7	107.00 Each	WTG Removal	0.00	Detail	U.S. Dollar	33,000.00	3,531,000.00
1.7.1	107.00 Each	Remove Top,Nacell, Rotor	0.00	Detail	U.S. Dollar	22,000.00	2,354,000.00
Resource Code	Description	Hours	Quantity UM	Currency		Unit Cost	Total Cost
USERECT1	Sub-Top, Nacelle, Rotor		107.00 Each	U.S. Dollar		22,000.00	2,354,000.00
1.7.2	107.00 Each	Remove Base & Mid	0.00	Detail	U.S. Dollar	11,000.00	1,177,000.00
Resource Code	Description	Hours	Quantity UM	Currency		Unit Cost	Total Cost
USERECT	Erection Sub - Base/Mid		107.00 Each	U.S. Dollar		11,000.00	1,177,000.00
1.8	107.00 Each	WTG Sizing & Loadout	0.58	Detail	U.S. Dollar	54,659.26	5,848,541.32
1.8.1	107.00 Each	Oil Removal & Disposal	5.00	Detail	U.S. Dollar	371.25	39,723.27
1.8.1.1	107.00 Each	Oil Removal	5.00	Detail	U.S. Dollar	238.40	25,508.27
Resource Code	Description	Hours	Quantity UM	Currency		Unit Cost	Total Cost
L060100	GENERAL LABORER	428.00	2.00 Each (hourly)	U.S. Dollar		52.03	22,268.31
RPUTRK05	F-250 4X4 3/4 TON PICKUP	214.00	1.00 Each (hourly)	U.S. Dollar		15.14	3,239.96
1.8.1.2	2,140.00 Gallon	Oil Disposal	0.00	Detail	U.S. Dollar	6.00	12,840.00
Resource Code	Description	Hours	Quantity UM	Currency		Unit Cost	Total Cost
USDISPOSAL	Disposal Fee's		12,840.00 Each	U.S. Dollar		1.00	12,840.00
1.8.1.3	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
1.8.2	46,866.00 Ton	Demo & Prepare For Shipment Offsite	286.00	Detail	U.S. Dollar	39.15	1,834,838.05
Resource Code	Description	Hours	Quantity UM	Currency		Unit Cost	Total Cost
*RXMISC19	Material Handler	1,638.67	1.00 Each (hourly)	U.S. Dollar		124.69	204,325.93
*REXCAV08	Excav 240K w/ Shear	1,638.67	1.00 Each (hourly)	U.S. Dollar		525.56	861,220.10
L010101	OPERATOR	3,277.34	2.00 Each (hourly)	U.S. Dollar		78.64	257,743.79
L060100	GENERAL LABORER	9,832.03	6.00 Each (hourly)	U.S. Dollar		52.03	511,548.22
1.8.3	3,531.00 Ton	Blade T&D	0.00	Detail	U.S. Dollar	130.00	459,030.00
Resource Code	Description	Hours	Quantity UM	Currency		Unit Cost	Total Cost
USTRUCKING	Trucking Sub		264,825.00 Each	U.S. Dollar		1.00	264,825.00
USDISPOSAL	Disposal Fee's		194,205.00 Each	U.S. Dollar		1.00	194,205.00
1.8.4	46,866.00 Ton	Scrap Trucking Cost	0.00	Detail	U.S. Dollar	75.00	3,514,950.00
Resource Code	Description	Hours	Quantity UM	Currency		Unit Cost	Total Cost
USTRUCKING	Trucking Sub		3,514,950.00 Each	U.S. Dollar		1.00	3,514,950.00
1.9	107.00 Each	WTG Foundation Removal	1.58	Detail	U.S. Dollar	3,480.85	372,450.96
1.9.1	5,029.00 Cubic Yard	Remove Cylindrical Pedestal	150.00	Detail	U.S. Dollar	57.61	289,697.20
Resource Code	Description	Hours	Quantity UM	Currency		Unit Cost	Total Cost
L060100	GENERAL LABORER	670.53	2.00 Each (hourly)	U.S. Dollar		52.03	34,887.02

Cost Item								
CBS Position Code	Quantity UM	Description	UM/Day	Cost Source	Currency	Unit Cost	Total Cost	
L010101	OPERATOR		1,005.80	3.00 Each (hourly)	U.S. Dollar	78.64	79,100.28	
*REXCAV06C	Excav 100K w/ Hammer		670.53	2.00 Each (hourly)	U.S. Dollar	186.84	125,282.45	
*REXCAV06A	Excav 100K w/ Bucket & Grapple		335.27	1.00 Each (hourly)	U.S. Dollar	150.41	50,427.46	
1.9.2	5,029.00 Cubic Yard	Concrete Transport Offsite		146.67	Detail	U.S. Dollar	16.46	82,753.76
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
RDUTRK06	CAT D350D, 18CY-24CY	342.89	1.00 Each (hourly)	U.S. Dollar	86.39	29,621.95		
L080940	TEAMSTER	342.89	1.00 Each (hourly)	U.S. Dollar	75.07	25,741.34		
L010101	OPERATOR	171.44	0.50 Each (hourly)	U.S. Dollar	78.64	13,483.00		
RFELWH09	CAT 966F LOADER, 4.25CY	171.44	0.50 Each (hourly)	U.S. Dollar	81.12	13,907.47		
1.10	107.00 Each	Pad Mount Transformer Removal		2.31	Detail	U.S. Dollar	2,762.80	295,619.07
1.10.1	107.00 Each	Oil Removal & Disposal		5.00	Detail	U.S. Dollar	1,424.29	152,399.11
1.10.1.1	107.00 Each	Oil Removal		5.00	Detail	U.S. Dollar	134.34	14,374.11
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	214.00	1.00 Each (hourly)	U.S. Dollar	52.03	11,134.15		
RPUTRK05	F-250 4X4 3/4 TON PICKUP	214.00	1.00 Each (hourly)	U.S. Dollar	15.14	3,239.96		
1.10.1.2	21,400.00 Gallon	Oil Disposal		0.00	Detail	U.S. Dollar	6.00	128,400.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USDISPOSAL	Disposal Fee's		128,400.00 Each	U.S. Dollar	1.00	128,400.00		
1.10.1.3	7.00 Each	Trucking - Per Load		0.00	Detail	U.S. Dollar	1,375.00	9,625.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USTRUCKING	Trucking Sub		9,625.00 Each	U.S. Dollar	1.00	9,625.00		
1.10.2	107.00 Each	Remove & Loadout Transformer		20.00	Detail	U.S. Dollar	140.54	15,037.94
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
*REXCAV06A	Excav 100K w/ Bucket & Grapple	53.50	1.00 Each (hourly)	U.S. Dollar	150.41	8,046.94		
L010101	OPERATOR	53.50	1.00 Each (hourly)	U.S. Dollar	78.64	4,207.46		
L060100	GENERAL LABORER	53.50	1.00 Each (hourly)	U.S. Dollar	52.03	2,783.54		
1.10.3	856.00 Ton	Scrap Trucking Cost		0.00	Detail	U.S. Dollar	75.00	64,200.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USTRUCKING	Trucking Sub		64,200.00 Each	U.S. Dollar	1.00	64,200.00		
1.10.4	1,391.00 Cubic Yard	Remove Foundations To Subgrade		71.43	Detail	U.S. Dollar	46.00	63,982.02
1.10.4.1	1,391.00 Cubic Yard	Excavate / Remove Foundation - Various Depth		250.00	Detail	U.S. Dollar	21.86	30,410.99
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	55.64	1.00 Each (hourly)	U.S. Dollar	52.03	2,894.88		
L010101	OPERATOR	111.28	2.00 Each (hourly)	U.S. Dollar	78.64	8,751.52		
*REXCAV06C	Excav 100K w/ Hammer	55.64	1.00 Each (hourly)	U.S. Dollar	186.84	10,395.78		
*REXCAV06A	Excav 100K w/ Bucket & Grapple	55.64	1.00 Each (hourly)	U.S. Dollar	150.41	8,368.81		
Notes: *****								
10.5' X 10.5' X 3' Foundation								

1.10.4.2	1,391.00 Cubic Yard	Concrete Transport Offsite		100.00	Detail	U.S. Dollar	24.13	33,571.03
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		

Cost Item								
CBS Position Code	Quantity UM	Description	UM/Day	Cost Source	Currency	Unit Cost	Total Cost	
RDUTRK06	CAT D350D, 18CY-24CY		139.10	1.00 Each (hourly)	U.S. Dollar	86.39	12,016.85	
L080940	TEAMSTER		139.10	1.00 Each (hourly)	U.S. Dollar	75.07	10,442.58	
L010101	OPERATOR		69.55	0.50 Each (hourly)	U.S. Dollar	78.64	5,469.70	
RFELWH09	CAT 966F LOADER, 4.25CY		69.55	0.50 Each (hourly)	U.S. Dollar	81.12	5,641.90	
1.11	5.00 Each	MET Tower Removal		1.42	Detail	U.S. Dollar	4,850.21	24,251.06
1.11.1	5.00 Each	Structure Demo		2.00	Detail	U.S. Dollar	3,115.63	15,578.15
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
*REXCAV06A	Excav 100K w/ Bucket & Grapple	25.00	1.00 Each (hourly)	U.S. Dollar	150.41	3,760.25		
*REXCAV06E	Excav 100K w/ Shear	25.00	1.00 Each (hourly)	U.S. Dollar	211.37	5,284.25		
L010101	OPERATOR	50.00	2.00 Each (hourly)	U.S. Dollar	78.64	3,932.21		
L060100	GENERAL LABORER	50.00	2.00 Each (hourly)	U.S. Dollar	52.03	2,601.44		
1.11.2	75.00 Cubic Yard	Remove Foundation		146.00	Detail	U.S. Dollar	59.18	4,438.77
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	10.27	2.00 Each (hourly)	U.S. Dollar	52.03	534.54		
L010101	OPERATOR	15.41	3.00 Each (hourly)	U.S. Dollar	78.64	1,211.98		
*REXCAV06C	Excav 100K w/ Hammer	10.27	2.00 Each (hourly)	U.S. Dollar	186.84	1,919.59		
*REXCAV06A	Excav 100K w/ Bucket & Grapple	5.14	1.00 Each (hourly)	U.S. Dollar	150.41	772.65		
1.11.3	75.00 Cubic Yard	Concrete Transport Offsite		146.67	Detail	U.S. Dollar	16.46	1,234.15
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
RDUTRK06	CAT D350D, 18CY-24CY	5.11	1.00 Each (hourly)	U.S. Dollar	86.39	441.77		
L080940	TEAMSTER	5.11	1.00 Each (hourly)	U.S. Dollar	75.07	383.89		
L010101	OPERATOR	2.56	0.50 Each (hourly)	U.S. Dollar	78.64	201.08		
RFELWH09	CAT 966F LOADER, 4.25CY	2.56	0.50 Each (hourly)	U.S. Dollar	81.12	207.41		
1.11.4	40.00 Ton	Scrap Trucking Cost		0.00	Detail	U.S. Dollar	75.00	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		
1.12	1.00 Lump Sum	Site Restoration - Partial Site Seeding		0.00	Detail	U.S. Dollar	691,635.75	691,635.75
1.12.1	5.00 Each	Remove Road Culverts		10.00	Detail	U.S. Dollar	1,530.48	7,652.42
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L010101	OPERATOR	20.00	4.00 Each (hourly)	U.S. Dollar	78.64	1,572.88		
L060100	GENERAL LABORER	10.00	2.00 Each (hourly)	U.S. Dollar	52.03	520.29		
L080940	TEAMSTER	20.00	4.00 Each (hourly)	U.S. Dollar	75.07	1,501.45		
RDUTRK06	CAT D350D, 18CY-24CY	20.00	4.00 Each (hourly)	U.S. Dollar	86.39	1,727.80		
RFELWH09	CAT 966F LOADER, 4.25CY	20.00	4.00 Each (hourly)	U.S. Dollar	81.12	1,622.40		
*RDOZER08	CAT D6 LGP Dozer	10.00	2.00 Each (hourly)	U.S. Dollar	70.76	707.60		
1.12.2	107.00 Each	Restore Turbine Locations		0.50	Detail	U.S. Dollar	4,608.88	493,150.46
1.12.2.1	214.00 Acre	Stockpiled Topsoil Placement at Turbine Locations		1.00	Detail	U.S. Dollar	1,504.44	321,950.46
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L010101	OPERATOR	2,140.00	1.00 Each (hourly)	U.S. Dollar	78.64	168,298.46		
RDOZER08	CAT D6N XL	2,140.00	1.00 Each (hourly)	U.S. Dollar	71.80	153,652.00		
1.12.2.2	214.00 Acre	Re-Seed Turbine Locations		0.00	Detail	U.S. Dollar	800.00	171,200.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USLANDSCAPE	Landscape Sub		214.00 Acre	U.S. Dollar	800.00	171,200.00		

Cost Item							
CBS Position Code	Quantity UM	Description	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
Notes: ***** Re-Seed 2 acres per turbine location *****							
1.12.3	15.00 Mile	Road Removal	0.37	Detail	U.S. Dollar	12,722.19	190,832.87
Notes: ***** Assume topsoil removed during original construction is available for restoration *****							
1.12.3.1	15.00 Mile	Road Removal	2.00	Detail	U.S. Dollar	7,652.42	114,786.31
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
L010101	OPERATOR	300.00	4.00 Each (hourly)	U.S. Dollar	78.64	23,593.24	
L060100	GENERAL LABORER	150.00	2.00 Each (hourly)	U.S. Dollar	52.03	7,804.31	
L080940	TEAMSTER	300.00	4.00 Each (hourly)	U.S. Dollar	75.07	22,521.75	
RDUTRK06	CAT D350D, 18CY-24CY	300.00	4.00 Each (hourly)	U.S. Dollar	86.39	25,917.00	
RFELWH09	CAT 966F LOADER, 4.25CY	300.00	4.00 Each (hourly)	U.S. Dollar	81.12	24,336.00	
*RDOZER08	CAT D6 LGP Dozer	150.00	2.00 Each (hourly)	U.S. Dollar	70.76	10,614.00	
Notes: ***** Assume topsoil removed during original construction is available for restoration *****							
1.12.3.2	33.00 Acre	Stockpiled Topsoil Placement at Turbine Locations	1.00	Detail	U.S. Dollar	1,504.44	49,646.57
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
L010101	OPERATOR	330.00	1.00 Each (hourly)	U.S. Dollar	78.64	25,952.57	
RDOZER08	CAT D6N XL	330.00	1.00 Each (hourly)	U.S. Dollar	71.80	23,694.00	
1.12.3.3	33.00 Acre	Re-Seed Road Corridor	0.00	Detail	U.S. Dollar	800.00	26,400.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
USLANDSCAPE	Landscape Sub		33.00 Acre	U.S. Dollar	800.00	26,400.00	
1.13	1.00 Lump Sum	Contractor Markups	0.00	Detail	U.S. Dollar	3,527,349.28	3,527,349.28
1.13.1	1.00 Lump Sum	Home Office, Project Management (5% Of Cost)	0.00	Detail	U.S. Dollar	945,670.05	945,670.05
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
USMARKUP5	5% Markup		18,913,401.00 Each	U.S. Dollar	0.05	945,670.05	
1.13.2	1.00 Lump Sum	Contractor OH & Fee (13% Of Cost)	0.00	Detail	U.S. Dollar	2,581,679.23	2,581,679.23
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
USMARKUP	13% Markup		19,859,071.00 Each	U.S. Dollar	0.13	2,581,679.23	
1.14	1.00 Lump Sum	ODOE Mandated Contingencies	0.00	Detail	U.S. Dollar	4,749,431.90	4,749,431.90
1.14.1	1.00 Lump Sum	20% Contingency on BESS	0.00	Detail	U.S. Dollar	36,874.40	36,874.40
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
UODCBESS	20% ODOE Mandated Contingency		184,372.00 Each	U.S. Dollar	0.20	36,874.40	
1.14.2	1.00 Lump Sum	1% Performance Bond	0.00	Detail	U.S. Dollar	224,407.50	224,407.50
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
UODOE1	ODOE 1% Markup		22,440,750.00 Each	U.S. Dollar	0.01	224,407.50	
1.14.3	1.00 Lump Sum	10% Administrative and Project Management	0.00	Detail	U.S. Dollar	2,244,075.00	2,244,075.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	

Cost Item							
CBS Position Code	Quantity UM	Description	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
UODOE2		ODOE 10% Markup	22,440,750.00 Each		U.S. Dollar	0.10	2,244,075.00
1.14.4	1.00 Lump Sum	10% Future Development Contingency	0.00	Detail	U.S. Dollar	2,244,075.00	2,244,075.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
UODOE2	ODOE 10% Markup		22,440,750.00 Each	U.S. Dollar	0.10	2,244,075.00	
Report Total:							27,190,182.27

Category	Total
Labor	5,261,839.24
Rented Equipment	3,820,442.64
Supplies	4,999.20
Materials	318,325.00
Subcontract	13,032,944.28
ODCs	4,751,631.90

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