

APPENDIX J
Decommissioning Plan

Decommissioning Plan and Reclamation Cost Estimate

Walleye Wind, LLC
Rock County, Minnesota



July 2020

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1.0 INTRODUCTION

Walleye Wind, LLC (Walleye Wind), an indirect wholly-owned subsidiary of NextEra Energy Resources, LLC, is proposing the Walleye Wind Project (Project) in Rock County, Minnesota (Figure 1). Committed to environmental due diligence, Walleye Wind contracted Tetra Tech, Inc. (Tetra Tech) as a third-party contractor to prepare a Decommissioning Cost Estimate for the Project, which is attached to the Decommissioning Plan as **Appendix A**.

1.1 Project Background

Walleye is proposing to construct and operate a 110.8 megawatt (MW) wind energy facility that will consist of 40 wind turbine generators (WTGs). The approximate size of the Project area is 31,095 acres consisting largely of rural landscape dominated by agricultural and pasture lands typical of southwestern Minnesota. The total capacity will be generated using General Electric (GE) model turbines including: 36 2.82 MW, 114-meter hub height turbines and four safe harbor 2.32 MW, 80-meter hub height turbines. The Project is considering the use of 2.82 MW, 89-meter hub height WTGs as some of the alternates or 2.5 MW, 90-meter hub height WTGs in place of the 2.3 MW 80-meter WTGs. All of the turbines will utilize Low Noise Trailing Edge serrations on the turbine blades to reduce sound impacts.

The point of interconnection (POI) of the Project to the transmission system will be the existing 161 kilovolt (kV) Rock County Substation. The existing substation will be modified to accommodate a new 161 kV gen-tie line at the POI on the north side of the substation. This gen-tie line will extend approximately 500 feet from the substation to the Project's collector substation planned at the north side of the existing POI. Other major site components for this Project include one permanent meteorological tower, an operations and maintenance (O&M) building, an aircraft detection lighting systems (ADLS) unit or Lighting Intensity Dimming Solution (LIDS) system, gravel access roads, underground electrical collection lines, and pad-mounted transformers at each turbine. These Project facilities are described in more detail below.

The Project has been active development since 2016 and has a Power Purchase Agreement with Minnesota Municipal Power Agency and an interconnection agreement with the Midcontinent Independent Transmission System Operator and Northern States Power Company to connect the Project's 110.8 MW to the grid. The Project has an expected useful life of at least 30 years, which is consistent with the Project's contracted term. At the end of the Project's contracted life there may be opportunities to extend the life of the Project by repowering the Project by retrofitting the turbines and power system with upgrades based on new technology, which may allow the wind farm to produce

efficiently and successfully for many more years. The commercial operation date for the Project is estimated to be on or about December 27, 2021.

1.2 Decommissioning Plan Objective

At the end of the Project's useful life, Walleye Wind will be decommissioning the Project, provided it is not repowered or retrofitted.

The purpose of this Decommissioning Plan is to establish the protocols for disassembly of the wind energy facility at the end of its useful life and to financially guarantee funding of the decommissioning process so that there is assurance that the site can be restored to a condition as close to a pre-construction state as feasible. As part of this Decommissioning Plan, Walleye Wind has provided a third-party, detailed, estimated cost schedule, prepared by Tetra Tech, Inc. for Project decommissioning activities (see **Appendix A**).

Walleye Wind will furnish a financial surety, bond, or other form of surety equal to the total estimated cost schedule to Rock County. That financial surety will ensure that if Walleye Wind is no longer solvent to finance the decommissioning process, adequate funds will be available to Rock County for administering and financing the decommissioning and reclamation process.

This Decommissioning Plan has been created to establish the approach and estimated cost for the following activities:

- Site Preparation and obtaining of necessary permits required for the structural dismantling activities (crane pads, crane paths, etc.)
- Installation of soil erosion and sedimentation control best management practices (BMPs)
- Disassembly and removal of existing turbines
- Abandonment or removal of existing infrastructure associated with the turbines
- Scarification and reseeded of disturbed areas, where applicable
- Establishment of vegetation on disturbed soils
- Mitigation for potential impacts on sensitive environmental features including agricultural soils
- Mitigation for potential impacts to agricultural facilities, agricultural drainage tiles, and public drainage ditches, if affected

The Decommissioning Plan has been developed per the following guidelines:

- Conformance with Minnesota Administrative Rules 7854.0500, subp.13;
- Energy Environmental Review and Analysis (EERA) Large Wind Energy Conversion System (LWECS) Application Guidance;

- EERA Recommendations on Review of Solar and Wind Decommissioning Plans (Commission Docket Number E999/M-17-123); and
- Request for Conditional Use Permit, Wind Turbines, Rock County Soil & Water Conservation District.

1.3 Anticipated Life of the Project

The economic operating life of the Project is expected to be at least 30 years. Once the Project has met its full design life and is not repowered or retrofitted, it will need to be decommissioned. The following sections provide a description of the decommissioning work and the estimated costs associated with that work.

2.0 DECOMMISSIONING PROCESS PROTOCOL

2.1 Decommissioning Notification

Once Walleye Wind has determined that the Project has reached the end of its useful life and is ready to be decommissioned, Walleye Wind will first notify participating landowners, local governments, and the Commission of initiation and commencement of planned decommissioning activities via a mailed letter 10 days prior to those planned activities. This letter will also provide the name and contact information of an individual designated by Walleye to manage landowner inquiries. Once restoration is completed, Walleye will notify all participating landowners, local government, and the Commission of decommissioning completion via a mailed letter within 30 days.

2.2 Decommissioning Preparation Activities

The first step in the Decommissioning Plan will be for Walleye Wind to contact all participating landowners to determine their preference on removal of access roads. For example, some landowners may prefer to leave access roads in place that benefit their farming activities.

Per section 11.4 of the LWECS Application Guidance document, Walleye Wind is providing the decommissioning, abandonment, and removal condition language for reference from the landowner lease agreements below:

Removal of Improvements. (a) Within eighteen (18) months after termination or expiration of the Easement Term, Operator shall, unless otherwise agreed by Owner, remove all of the Improvements on the Owner's Property and restore the Owner's Property to its approximate original condition that existed before Operator constructed its Improvements all at Operator's sole cost and expense. At termination or expiration of the Easement Term, Operator shall be required to remove facilities down to a

level of forty-eight (48) inches below grade and return the grade to a condition comparable to conditions prior to Operator's installation of Improvements on the Owner's Property. If Operator fails to remove any portion of the Improvements or restore the Owner Property as required within the required time period, that portion of the Improvements shall be considered abandoned by Operator and Owner may remove that portion of the Improvements from the Owner's Property and dispose of it in its sole discretion without notice or liability to Operator. In the event Operator fails to remove any of the Improvements or restore the Owner's Property as required, and Owner removes any portion of the Improvements or restores the Owner's Property at Owner's expense, Operator shall reimburse Owner for all reasonable costs of removing that portion of the Improvements or restoration of the Owner's Property as required by the Site Permit and/or this Agreement, less any salvage or resale value received by Owner, within thirty (30) days after receipt of an invoice from Owner. If Operator fails to pay or reimburse Owner for any decommissioning, removal or restoration costs, Owner may withdraw such funds from the Decommissioning Security or pursue any other lawful remedy or recourse.

Once the landowner coordination has occurred and the extent of disturbance areas are understood, Walleye Wind will develop a Storm Water Pollution Prevention Plan (SWPPP) and submit for a National Pollutant Discharge Elimination System (NPDES) permit based on the anticipated disturbances for both demolition and new temporary construction required for component removal. Crane pads and potential crane walks will be installed to support the turbine removal process after soil erosion Best Management Practices (BMPs) are in place. Other permits (such as those that may be needed for impacts to wetlands or other sensitive environmental features) will also be obtained, as applicable.

2.2.1 Erosion Control and Sedimentation Control Measures

General erosion control measures will be utilized, as appropriate, in the SWPPP and consist of the following BMPs:

- Silt fence or straw wattle installation on the downslope and adjacent to sensitive water features
- Slopes greater than four to one should be protected with erosion control blankets or mulch blankets
- Stabilization of disturbed soils with seed application

- Stripped topsoil shall be placed in soil stockpiles and placed in a manner to not interfere with natural drainage to waterways which could promote soil erosion. Topsoil stockpiles should be surrounded by either silt fence or straw wattles. If the stockpile is to remain for an extended period of time, it should be temporarily seeded.
- Temporary construction entrances should be established consisting of 1"x 3" aggregate to limit off-site tracking of sediment to paved roads.
- Dust control
- Dewatering activities requiring a filtration bag.

2.3 Removal of Facilities

Decommissioning will include the dismantling and removal of the wind towers, WTGs, foundations, meteorological towers, access roads, underground collection lines, pad mounted transformers, collection substation, and the operations and maintenance (O&M) facility to a depth of four feet. Turbine tower sections will be dismantled utilizing cranes. A single large crane is typically used to disassemble the turbines, and smaller cranes would lift the parts onto trucks to be hauled away. Meteorological towers will also be similarly removed.

After dismantling and excavating the facility, high value components will be removed for scrap value. The remaining materials will be reduced to transportable size and removed from the site for disposal. Unsalvageable materials will be disposed of at authorized sites in accordance with applicable regulations.

Following the dismantling and removal of Project infrastructure, Walleye Wind will return the Project Area as close to preconstruction conditions as reasonable in accordance with the lease agreement between the landowner and Walleye Wind.

2.3.1 Turbines and MET Tower

The disassembly and removal of this equipment will essentially be the same as its installation, but in reverse order. For turbines, the rotor (hub and blades) are removed from the nacelle and, with the help of a smaller crane, turned horizontally and set on the ground. Next, the nacelle will be removed from the top of the tower, followed by each portion of the tower. Turbine tower portions will be sized on-site for transport by regular sized haul trucks (no oversize permits or specialized equipment needed). Once the turbine rotor has been removed, a crew and small crane will disassemble it into the hub and three loose turbine blades. When the rotor is disassembled, the blades will be sized for transport by regular sized haul trucks (no oversize permits or specialized equipment needed). The hub can also be removed once it is disassembled from the blades. Turbine

foundations will be removed to a depth of four feet. The concrete will be reduced in size by excavator attachments and transported for disposal off-site.

The MET tower will also be removed in a similar fashion to the turbines. A small crane will be used to dismantle the structure from the top down and will be loaded onto trucks to be removed from the site.

2.3.2 Access Roads

Walleye Wind will work with landowners regarding whether the landowner prefers to keep the access roads in place. In the event landowners do not want to keep the access roads, or portions thereof, the access roads will be removed, and the land will be restored. Any geotextile fabric that is encountered during demolition will be taken to an approved landfill.

2.3.3 Underground Collection and Pad Mounted Transformers

All underground collection lines buried above four feet below the surface will be removed. In order to remove the collection lines, a trench will be opened and the cables pulled out. The cables will be cut into manageable sections and removed from the site.

Pad mounted transformers will be disconnected from the collection system and wind turbine generators once the electrical system has been shut off and hauled offsite. The concrete pads will be reduced in size by excavator attachments and transported for disposal off-site.

2.3.4 Collection Substation and O&M Facility

All above ground structures at the collection substation including the conductors, switches, transformers, fencing, and other components will be dismantled and removed from the site. Additionally, the structures at the Project O&M facilities will be removed. All concrete foundations will be crushed and transported for disposal off-site. Where feasible, all underground infrastructure associated with the substation or O&M facility, including underground conduits and grounding wires, will also be removed to a depth of four feet.

2.3.5 Aircraft Detection Lighting System or Lighting Intensity Dimming Solution System

Disassembly of the ADLS or LIDS unit will be completed, and all material/equipment will be removed from the site. Steel, conductors, switches, transformers, etc. will be reconditioned and reused, sold as scrap, recycled, or disposed of appropriately, depending on market value. The foundation will be removed to a depth of four feet below grade, and the excavated area will be filled, contoured, and revegetated. The site surface gravel will be removed for disposal. All unexcavated areas compacted by equipment used

in decommissioning shall be de-compacted in a manner to adequately restore the topsoil and subgrade material to the proper density consistent and compatible with the surrounding area. The area will be thoroughly cleaned, and all debris will be removed.

2.4 Salvage and Disposal

After dismantling the Project, high value components will be removed for scrap value. The remaining materials will be reduced to transportable size and removed from the site for disposal. Materials will be disposed where disposal is permitted and where there is capacity for the disposal. Generally, turbines, transformers, electrical components, and towers are refurbished and resold or are recycled for scrap. All unsalvageable materials will be disposed of at authorized sites in accordance with applicable regulations. Decommissioning of the turbines will include removal and transport of generators and towers offsite to disposal facilities and/or sale of towers and generators.

2.5 Hazardous Materials

During decommissioning, hazardous materials will be temporarily stored and utilized. These hazardous materials may consist of fuel, lubricating oil, hydraulic oil, propylene glycol, and other materials required for the decommissioning. Also, decommissioning will require the removal of pad mounted and grounding transformers that contain large quantities of cooling fluids, likely consisting of mineral oil.

Due to the presence of hazardous materials during decommissioning, there is the potential for spills and/or leaks. The primary concerns associated with these spills and/or leaks are the potential impacts to surface and ground water resources and the potential for soil contamination. A Spill Prevention, Control, and Countermeasure Plan (SPCC) will be created for decommissioning. The SPCC plan will detail the appropriate storage, cleanup, and disposal of hazardous wastes to ensure potential impacts are avoided.

Any wastes generated will be handled and disposed of in accordance with Minnesota Rule Chapter 7045, local rules and regulations, and the site specific SPCC. Any monitoring, transportation, or handling of materials will be conducted by trained and qualified personnel utilizing established procedures and proper equipment.

2.6 Restoration

Following the dismantling and removal of Project infrastructure, Walleye Wind will return the Project Area as close to preconstruction conditions as reasonable. Walleye Wind will implement the following:

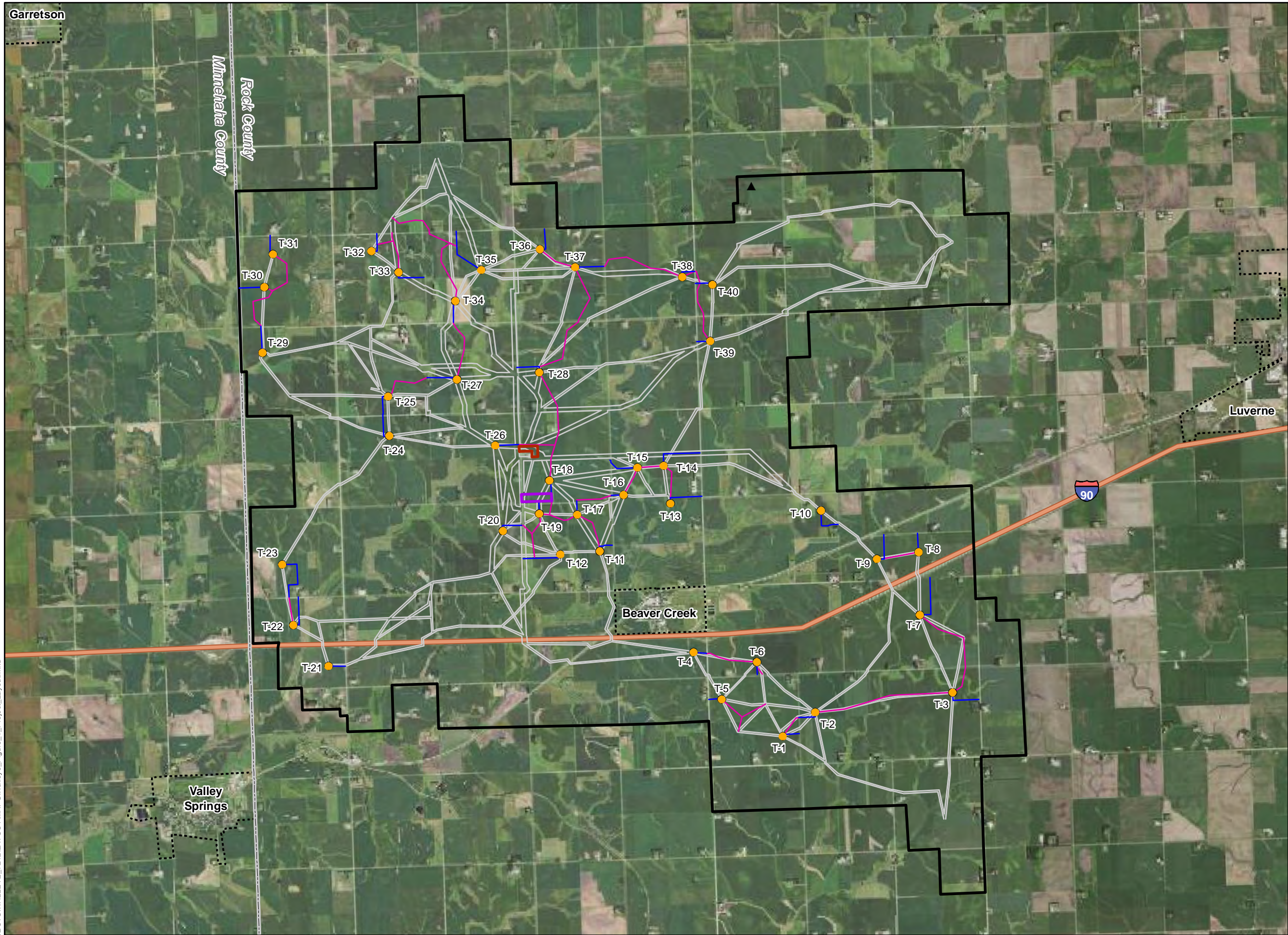
- All areas where infrastructure has been removed will be graded and reseeded, as appropriate.

- Walleye Wind will coordinate with local Natural Resources Conservation Service staff to revegetate non-cropland and pasture areas disturbed during decommissioning with native seed mixes appropriate to the region. Reseeding with native seed mixtures will be used on restoration areas except in cropland areas and in areas where landowners indicate preference for other seeding plans. Reseeding of cropland areas will be conducted in coordination with the landowner.
- After removal of all foundation materials, the areas will be filled with clean, compatible sub-grade material compacted to a density similar to the surrounding sub-grade material.
- Topsoil will be removed prior to removal of structures from all work areas and stockpiled and separated from other excavated material. The topsoil will be replaced to original depth and original surface contours reestablished where feasible. Any topsoil deficiency and trench settling shall be mitigated with imported topsoil consistent with the quality of the affected site.
- Areas compacted by equipment used in the decommissioning may be tilled in a manner adequate to restore the topsoil and subgrade material to a density consistent with the surrounding areas and then will be reseeded. The depth of compaction relief will depend on site-specific conditions.

3.0 DECOMMISSIONING SECURITY

In **Appendix A**, the cost of decommissioning is estimated to be approximately \$3,569,941 in 2020 dollars. Walleye Wind will be responsible for all costs associated with decommissioning. A negative net salvage rate will be used to ensure that there are adequate funds for decommissioning and restoration costs. The net salvage rate reflects the net of the estimated decommissioning costs and any offsetting proceeds from the salvaging and/or recycling of generation equipment. The net salvage rate will be negative in this case because the forecasted costs of decommissioning the facility are higher than the expected salvage proceeds. Walleye Wind will apply for Minnesota Public Utilities Commission approval of the negative net salvage rate. Once approved, Walleye is required to conduct a comprehensive dismantling study every five years and report to the Minnesota Public Utilities Commission as part of the Annual Review of Remaining Lives.

Figure 1
Walleye Wind Project Vicinity Map



Walleye Wind Project

**Figure 1
Project Area and Facilities**

Rock County, Minnesota

- Project Features**
- Project Boundary
 - Proposed Turbine
 - Proposed MET Tower
 - Access Road
 - Crane Path
 - Collection Corridor
 - O&M/Substation
 - Laydown Yard
- Jurisdiction**
- County Boundary
 - City/Town
- Transportation**
- Interstate



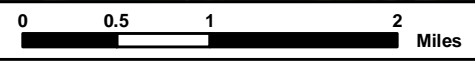
Reference Map



R:\PROJECTS\WALLEYE_7212\LAYOUT\MAPS\Walleye_Figure_1_Project_Layout.mxd



1:65,000 NAD 1983 UTM Zone 14N



NOT FOR CONSTRUCTION

Appendix A

Walleye Wind Project Cost Estimate

MEMO

To: Walleye Wind Project (Walleye Wind)

From: Andrew Lintz, Tetra Tech
Manuela Elizondo, Tetra Tech

Date: Thursday, July 02, 2020

Subject: Reclamation Cost Estimate for Walleye Wind

The following memorandum describes the reclamation cost estimate for the Walleye Wind Project (Walleye Wind).

Third Party Estimated Cost of Decommissioning

At the time of retirement, the above-grade steel structures and turbine nacelles are assumed to have significant scrap value that will offset a portion of the cost to remove them. However, the Project will also incur costs for removal and disposal of the WTG blades, foundations, and other Project facilities, along with the costs for the restoration of the site following the removal of salvageable equipment and disposal of other items.

A reclamation cost estimate has been prepared for this Project and includes the costs to return the site to a condition compatible with the surrounding land and similar to the conditions that existed before development of the Project. Included in the estimate are the costs to decommission the power-generating equipment associated with the Project, as well as the costs to retire the Project facilities, with all equipment and structures removed to a depth of four feet below grade. These costs are offset by the estimated revenue that will be received for scrap value of steel, aluminum, and copper equipment; no resale of the Project facilities for reuse is considered. Accordingly, it is a “no resale” estimate.

The estimated decommissioning costs for the Project is prepared using available information from a variety of credible industry sources. As summarized in Appendix A, the current cost of decommissioning the Project is estimated to be approximately \$89,249 per turbine or \$32,220 per MW in 2020 dollars. This cost includes a partial offset from the salvage value of the towers, turbine components, and electrical equipment. This cost estimate assumes the use of 36 2.82 MW, 114-meter hub height WTGs and four safe harbor 2.32 MW, 80-meter hub height WTGs. The reclamation cost estimate may change if different types or sizes of WTGs are used for the Project.

Cost Assumptions

The scope of work and individual tasks were established using professional experience, in collaboration with Tetra Tech's engineering staff. The Project was broken into individual tasks that will be estimated separately to include labor requirements, equipment needs, and duration. Production rates will be established using professional experience and published standards that include RS Means (www.rsmeans.com). Labor rates prevalent to the geographic area of the Project will be obtained by referencing U.S. Department of Labor wage determinations. After the estimate is completed, typical average markups that are industry standard will be applied for contingency, overhead, and fee. Estimating methods and assumptions specific to this estimate will be as follows:

- Labor cost were developed by reviewing U.S. Department of Labor wage determinations and rates published by RS Means. An average rate will be developed that includes base wage, fringe, and payroll tax liability. The final rate used in the estimate is an average of 40 hours standard (ST), and 10 hours overtime (OT) per week, assuming a 50-hour work week during decommissioning activities.
- Equipment (commonly referred to as yellow iron) rates used in the estimate will be 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 rather than owned.
- Mobilization and demobilization costs reflect the actual cost to mobilize equipment, facilities, and crew to the Project site. A substantial portion of this cost is for the crane and crew required for turbine removal. This amount does not include the front loading of cost from other tasks.
- Work will be estimated on a unit cost basis, priced by task that follows the progression of work from start to finish. Unit costs will be developed by including the labor, equipment, and production rate required for each individual task. RS Means and estimator's experience will be utilized to establish the crew, equipment, and production for each individual task.
- Roads would be restored so that they become a part of the natural surroundings and are no longer recognizable to the greatest extent possible. Road gravel would be used to backfill foundation locations to within six inches of final grade. It is expected that the remaining road gravel will be accepted by local receivers with no additional disposal cost. Access roads located on agricultural land, assumed to be 50 percent of roads, will not be reseeded. On private lands, prior existing roads would be restored at the request of the current landowner.
- All concrete foundations will be removed to a depth of four feet below grade. Gravel from road removal will be utilized to backfill to within six inches of final grade, and then completed with an additional six inches of topsoil. Concrete foundation removal will be accomplished with the use of excavators with concrete breakers. Processed concrete will be transported off site under the same assumptions as road gravel.
- Underground electrical distribution cabling is assumed to be aluminum, at least 36 to 48 inches deep, and of low salvage value. As such, underground cable will be removed down to four feet below grade.
- Oil from transformers and nacelles will be drained prior to removal, and the oil will be disposed of following state and federal regulations. Oil disposal cost is assumed to be \$4 per gallon.
- To reduce the cost of loading and transport, turbine components, substation transformers, and equipment will be sized on site utilizing shears and torch crews. Blades will be assumed to have no

scrap value and will incur an estimated cost of \$95 per ton for trucking and landfill fees. Remaining material is assumed to have a scrap value, with a cost of \$45 per ton for trucking, and a credit of \$216 per ton for scrap.

- Turbine removal will require the construction and subsequent removal of temporary crane pads. Estimated cost of crane pads will be based on an engineered design from a similar project.
- The gen-tie line is composed of steel monopoles and cable. Towers are assumed to be recyclable and will be disassembled on site and shipped off site.
- O&M building will be assumed to have no scrap value and will be used to top loads of other waste. An allowance for 25 tons of demolition will be included for this building.
- Final restoration will include the placement of six inches of topsoil on all disturbed areas, with a final seeding utilizing a mix of native grasses. It will be assumed that no topsoil required for restoration is available on site as a result of the original installation.
- The costs for temporary facilities will be included in the restoration cost. These include one office trailer, two Conex storage units, portolets, first aid supplies, and utilities.
- Field management during construction activities will be added to the estimate. These costs will include one Superintendent, one Health and Safety Representative, and two Field Engineers. These positions are critical to the safe and successful execution of work.
- A contractors' home office, project management, overhead, and fee can vary widely by contractor. As such, averages will be developed for the estimate and added as a percentage of total cost. These will include five percent for home office and project management, and 13 percent for overhead and fee. Note that contractor contingency costs will not be included. Several other miscellaneous costs will be approximated, including permits, engineering, signage, fencing, traffic control, utility disconnects, etc. In the context of the overall estimate, these are incidental costs that will be covered in the estimate markups.
- The reclamation cost estimate is based on the current layout of 36 GE 2.82 MW WTGs and four safe harbor GE 2.32 MW WTGs. The reclamation cost estimate may change if different types or sizes of WTGs are used for the Project.

Attachment 1 – Reclamation Cost Estimate

Decommissioning cost per MW (in current dollars)

GE 2.82 MW and 2.32 MW Turbines with Salvage

	Quantity	Unit	Unit Price	Total
Mobilization and Demobilization				
Equipment, facilities & personnel	1	lump sum	\$ 907,218	
Site Facilities - rental	1	lump sum	\$ 8,620	\$ 915,838
Field Management				
	16	week	\$ 18,282	\$ 292,517
Substation & Switchyard Removal				
	1	lump sum	\$ 190,141	\$ 190,141
Removal of a Tower and Nacelle Units				
Construct/remove temporary crane pads (\$7,593/WTG)	40	each	\$ 303,722	
WTG Removal (\$30,000/WTG)	40	each	\$ 1,200,000	
WTG foundation removal	40	each	\$ 54,076	
WTG Sizing & Loadout	40	each	\$ 1,855,714	\$ 3,413,512
Salvage				
(Net salvage value for scrap metal from transformer, WTG, and pad mounted transformers)	1	each	\$ (3,232,768)	\$ (3,232,768)
Pad Mounted Transformer Removal				
	40	each	\$ 3,466	\$ 138,625
Meteorological Tower Removal				
	1	each	\$ 3,841	\$ 3,841
ADLS Radar Assembly Removal				
	1	each	\$ 3,072	\$ 3,072
Removal of Transmission Line				
	1	each	\$ 4,017	\$ 4,017
Underground Cable Removal - Power and Fiber				
	35	mile	\$ 6,647	\$ 232,629
O&M Building Removal				
Building demo, foundation removal & off-site disposal			\$ 18,075	\$ 18,075
Access Road Removal				
(≈11.6 miles of gravel road, 16' wide and 6" depth)	18,148	CY	\$ 11	\$ 200,848
Culvert Removal				
(18" diameter CMP)	40	each	\$ 488	\$ 19,529
Site Restoration, Seeding and Re-vegetation				
	1	lump sum	\$ 300,781	\$ 300,781
Administrative & Project Management Tasks				
Home office, Project Management	1	lump sum	\$ 286,671	
Contractor OH & fee (13%)	1	lump sum	\$ 782,613	\$ 1,069,284
Total Removal Cost for 40 Turbines (110.8 MW)				
	1	lump sum		\$ 3,569,941
Removal Cost/WTG	40	each	\$ 89,249	
Removal Cost/MW	110.8	each	\$ 32,220	

From Cost Item: .

To Cost Item: .

Code Description	Forecast (T/O) Quantity	Unit of Measure	Unit Cost	Total Cost (Forecast)	Currency
1 WALLEYE WIND RETIREMENT					
1.1 Mob / Demob	1.00	Lump Sum	\$907,217.85	\$907,217.85	U.S. Dollar
1.1.1 Equipment Mob	1.00	Lump Sum	\$101,500.00	\$101,500.00	U.S. Dollar
1.1.2 Site Facilities	1.00	Lump Sum	\$2,200.00	\$2,200.00	U.S. Dollar
1.1.3 Crew Mob & Site Setup	3.00	Day	\$15,703.57	\$47,110.71	U.S. Dollar
1.1.4 Crew Demob & Site Cleanup	2.00	Day	\$15,703.57	\$31,407.14	U.S. Dollar
1.1.5 Mob-Erection Sub	1.00	Lump Sum	\$725,000.00	\$725,000.00	U.S. Dollar
1.2 Site Facilities	4.00	Month	\$2,155.00	\$8,620.00	U.S. Dollar
1.3 Field Management	16.00	Week	\$18,282.31	\$292,517.01	U.S. Dollar
1.4 Substation & Switchyard Removal	1.00	Lump Sum	\$190,141.24	\$190,141.24	U.S. Dollar
1.4.1 Fence Removal	1.00	Day	\$1,286.19	\$1,286.19	U.S. Dollar
1.4.2 Transformer & Switchyard Equip Removal	1.00	Each	\$132,865.02	\$132,865.02	U.S. Dollar
1.4.2.1 Oil Removal & Disposal	1.00	Each	\$103,332.79	\$103,332.79	U.S. Dollar
1.4.2.1.1 Oil Removal	1.00	Each	\$1,982.79	\$1,982.79	U.S. Dollar
1.4.2.1.2 Oil Disposal	25,000.00	Gallon	\$4.00	\$100,000.00	U.S. Dollar
1.4.2.1.3 Trucking - Per Load	2.00	Each	\$675.00	\$1,350.00	U.S. Dollar
1.4.2.2 Demo & Prepare For Shipment Offsite	200.00	Ton	\$102.66	\$20,532.23	U.S. Dollar
1.4.2.3 Salvage & Recovery	200.00	Ton	\$45.00	\$9,000.00	U.S. Dollar
1.4.2.3.1 Scrap Trucking Cost	200.00	Ton	\$45.00	\$9,000.00	U.S. Dollar
1.4.3 UG Utility & Ground Removal	2.00	Day	\$1,286.19	\$2,572.37	U.S. Dollar
1.4.4 Remove Surface Stone	900.00	Cubic Yard	\$20.09	\$18,080.01	U.S. Dollar
1.4.4.1 Excavate & Loadout	900.00	Cubic Yard	\$2.54	\$2,286.33	U.S. Dollar
1.4.4.2 Stone Transport Offsite	900.00	Cubic Yard	\$17.55	\$15,793.69	U.S. Dollar
1.4.5 Remove Foundations To Subgrade	500.00	Cubic Yard	\$34.84	\$17,418.87	U.S. Dollar
1.4.5.1 Excavate / Remove Foundation - Various Depth	500.00	Cubic Yard	\$17.29	\$8,644.60	U.S. Dollar
1.4.5.2 Concrete Transport Offsite	500.00	Cubic Yard	\$17.55	\$8,774.27	U.S. Dollar
1.4.6 Misc. Material Disposal	1.00	Lump Sum	\$975.00	\$975.00	U.S. Dollar
1.4.6.1 Trucking - Per Load	1.00	Each	\$675.00	\$675.00	U.S. Dollar
1.4.6.2 Disposal Cost	10.00	Ton	\$30.00	\$300.00	U.S. Dollar
1.4.7 Restore Yard	1.00	Lump Sum	\$16,943.78	\$16,943.78	U.S. Dollar
1.4.7.1 Vegetative Cover	900.00	Cubic Yard	\$17.38	\$15,643.28	U.S. Dollar
1.4.7.1.1 Topsoil, Delivered	900.00	Cubic Yard	\$10.00	\$9,000.00	U.S. Dollar
1.4.7.1.2 Placement	900.00	Cubic Yard	\$7.38	\$6,643.28	U.S. Dollar
1.4.7.2 Re-Seed With Native Vegetation	1.70	Acre	\$765.00	\$1,300.50	U.S. Dollar
1.5 Transmission Line Removal	1.00	Lump Sum	\$4,017.32	\$4,017.32	U.S. Dollar
1.5.1 Conductor Removal	0.11	Mile	\$26,386.19	\$2,902.48	U.S. Dollar
1.5.1.1 Cut / Lower Cable, Size & Loadout	0.11	Mile	\$24,586.19	\$2,704.48	U.S. Dollar
1.5.1.2 Salvage & Recovery	4.40	Ton	\$45.00	\$198.00	U.S. Dollar
1.5.1.2.1 Scrap Trucking Cost	4.40	Ton	\$45.00	\$198.00	U.S. Dollar
1.5.2 Wood Monopole Removal	4.00	Each	\$278.71	\$1,114.84	U.S. Dollar
1.5.2.1 Cut & Load Poles	4.00	Each	\$109.96	\$439.84	U.S. Dollar
1.5.2.2 Trucking - Per Load	1.00	Each	\$675.00	\$675.00	U.S. Dollar
1.6 Construct & Remove Temporary Crane Pads	40.00	Each	\$7,593.04	\$303,721.72	U.S. Dollar
1.6.1 Crane Pad 4" Stone 8" depth	4,000.00	Ton	\$34.90	\$139,588.72	U.S. Dollar
1.6.2 Crane Pad 2" Stone 6" depth	3,000.00	Ton	\$38.20	\$114,588.72	U.S. Dollar
1.6.3 Remove stone after erection	40.00	Each	\$1,238.61	\$49,544.28	U.S. Dollar

Code Description	Forecast (T/O) Quantity	Unit of Measure	Unit Cost	Total Cost (Forecast)	Currency
1.7 WTG Removal	40.00	Each	\$30,000.00	\$1,200,000.00	U.S. Dollar
1.7.1 Remove Top,Nacell, Rotor	40.00	Each	\$20,000.00	\$800,000.00	U.S. Dollar
1.7.2 Remove Base & Mld	40.00	Each	\$10,000.00	\$400,000.00	U.S. Dollar
1.8 WTG Sizing & Loadout - 2.82 MW, 114 Meter	36.00	Each	\$47,414.90	\$1,706,936.50	U.S. Dollar
1.8.1 Oil Removal & Disposal	36.00	Each	\$375.15	\$13,505.54	U.S. Dollar
1.8.1.1 Oil Removal	36.00	Each	\$198.28	\$7,138.04	U.S. Dollar
1.8.1.2 Oil Disposal	1,440.00	Gallon	\$4.00	\$5,760.00	U.S. Dollar
1.8.1.3 Trucking - Per Load	0.90	Each	\$675.00	\$607.50	U.S. Dollar
1.8.2 Demo & Prepare For Shipment Offsite	14,565.60	Ton	\$65.26	\$950,498.96	U.S. Dollar
1.8.3 Salvage & Recovery	36.00	Each	\$16,020.00	\$576,720.00	U.S. Dollar
1.8.3.1 Scrap Trucking Cost	12,816.00	Ton	\$45.00	\$576,720.00	U.S. Dollar
1.8.4 Blade T&D	1,749.60	Ton	\$95.00	\$166,212.00	U.S. Dollar
1.9 WTG Sizing & Loadout - 2.32 MW, 80 Meter	4.00	Each	\$37,194.39	\$148,777.56	U.S. Dollar
1.9.1 Oil Removal & Disposal	4.00	Each	\$375.15	\$1,500.62	U.S. Dollar
1.9.1.1 Oil Removal	4.00	Each	\$198.28	\$793.12	U.S. Dollar
1.9.1.2 Oil Disposal	160.00	Gallon	\$4.00	\$640.00	U.S. Dollar
1.9.1.3 Trucking - Per Load	0.10	Each	\$675.00	\$67.50	U.S. Dollar
1.9.2 Demo & Prepare For Shipment Offsite	1,267.20	Ton	\$65.26	\$82,692.94	U.S. Dollar
1.9.3 Salvage & Recovery	4.00	Each	\$12,555.00	\$50,220.00	U.S. Dollar
1.9.3.1 Scrap Trucking Cost	1,116.00	Ton	\$45.00	\$50,220.00	U.S. Dollar
1.9.4 Blade T&D	151.20	Ton	\$95.00	\$14,364.00	U.S. Dollar
1.10 WTG Foundation Removal	40.00	Each	\$1,351.90	\$54,075.86	U.S. Dollar
1.10.1 Remove Cylindrical Pedestal & Extension	1,880.00	Cubic Yard	\$45.91	\$86,301.83	U.S. Dollar
1.10.3 Concrete Transport Offsite	1,880.00	Cubic Yard	\$11.96	\$22,494.04	U.S. Dollar
1.10.4 Rebar Salvage & Recovery	40.00	Each	(\$1,368.00)	(\$54,720.00)	U.S. Dollar
1.10.4.1 Scrap Trucking Cost	320.00	Ton	\$45.00	\$14,400.00	U.S. Dollar
1.10.4.2 Ferrous Metals Credit	320.00	Ton	(\$216.00)	(\$69,120.00)	U.S. Dollar
1.11 Pad Mount Transformer Removal	40.00	Each	\$3,465.63	\$138,625.06	U.S. Dollar
1.11.1 Oil Removal & Disposal	40.00	Each	\$2,960.83	\$118,433.18	U.S. Dollar
1.11.1.1 Oil Removal	40.00	Each	\$110.20	\$4,408.18	U.S. Dollar
1.11.1.2 Oil Disposal	28,000.00	Gallon	\$4.00	\$112,000.00	U.S. Dollar
1.11.1.3 Trucking - Per Load	3.00	Each	\$675.00	\$2,025.00	U.S. Dollar
1.11.2 Remove & Loadout Transformer	40.00	Each	\$109.96	\$4,398.37	U.S. Dollar
1.11.3 Salvage & Recovery	40.00	Each	\$360.00	\$14,400.00	U.S. Dollar
1.11.3.1 Scrap Trucking Cost	320.00	Ton	\$45.00	\$14,400.00	U.S. Dollar
1.11.4 Remove Foundations To Subgrade	40.00	Each	\$34.84	\$1,393.51	U.S. Dollar
1.11.4.1 Excavate / Remove Foundation - Various Depth	40.00	Cubic Yard	\$17.29	\$691.57	U.S. Dollar
1.11.4.2 Concrete Transport Offsite	40.00	Cubic Yard	\$17.55	\$701.94	U.S. Dollar
1.12 MET Tower Removal	1.00	Each	\$3,840.90	\$3,840.90	U.S. Dollar
1.12.1 Structure Demo	1.00	Each	\$2,503.99	\$2,503.99	U.S. Dollar
1.12.2 Remove Foundation	15.00	Cubic Yard	\$47.16	\$707.44	U.S. Dollar
1.12.3 Concrete Transport Offsite	15.00	Cubic Yard	\$11.96	\$179.47	U.S. Dollar
1.12.4 Structure Salvage & Recovery	10.00	Ton	\$45.00	\$450.00	U.S. Dollar
1.12.4.1 Scrap Trucking Cost	10.00	Ton	\$45.00	\$450.00	U.S. Dollar
1.13 DeTect Radar Assembly Removal	1.00	Each	\$3,072.12	\$3,072.12	U.S. Dollar
1.13.1 Structure Demo	1.00	Each	\$2,503.99	\$2,503.99	U.S. Dollar
1.13.2 Remove Foundation	5.00	Cubic Yard	\$47.16	\$235.81	U.S. Dollar
1.13.3 Concrete Transport Offsite	5.00	Cubic Yard	\$11.96	\$59.82	U.S. Dollar

Code Description	Forecast (T/O) Quantity	Unit of Measure	Unit Cost	Total Cost (Forecast)	Currency
1.13.4 Structure Salvage & Recovery	5.00	Ton	\$45.00	\$225.00	U.S. Dollar
1.13.4.1 Scrap Trucking Cost	5.00	Ton	\$45.00	\$225.00	U.S. Dollar
1.13.5 Misc Waste T&D	0.50	Ton	\$95.00	\$47.50	U.S. Dollar
1.14 O&M Building Removal	1.00	Lump Sum	\$18,075.46	\$18,075.46	U.S. Dollar
1.14.1 Structure Demo	25.00	Ton	\$500.80	\$12,519.93	U.S. Dollar
1.14.2 Remove Foundations To Subgrade	120.00	Cubic Yard	\$34.84	\$4,180.53	U.S. Dollar
1.14.2.1 Excavate / Remove Foundation & Slab - Various Depth	120.00	Cubic Yard	\$17.29	\$2,074.70	U.S. Dollar
1.14.2.2 Concrete Transport Offsite	120.00	Cubic Yard	\$17.55	\$2,105.82	U.S. Dollar
1.14.3 Misc Interior T&D	5.00	Ton	\$95.00	\$475.00	U.S. Dollar
1.14.4 Structure Salvage & Recovery	20.00	Ton	\$45.00	\$900.00	U.S. Dollar
1.14.4.1 Scrap Trucking Cost	20.00	Ton	\$45.00	\$900.00	U.S. Dollar
1.15 Access Road Removal & Transport	18,148.00	Cubic Yard	\$11.07	\$200,848.13	U.S. Dollar
1.16 Underground Cable Removal - Power & Fiber	35.00	Mile	\$6,646.55	\$232,629.15	U.S. Dollar
1.16.1 Underground Cable Removal - Power & Fiber	35.00	Mile	\$6,115.50	\$214,042.40	U.S. Dollar
1.16.2 Fiber Cable T&D	35.00	Ton	\$95.00	\$3,325.00	U.S. Dollar
1.16.3 Power Cable Salvage & Recovery	339.15	Ton	\$45.00	\$15,261.75	U.S. Dollar
1.16.3.1 Scrap Trucking Cost	339.15	Ton	\$45.00	\$15,261.75	U.S. Dollar
1.17 Remove 18" x 24' Culverts	40.00	Each	\$488.23	\$19,529.28	U.S. Dollar
1.17.1 Remove Foundation	40.00	Each	\$476.27	\$19,050.68	U.S. Dollar
1.17.2 Concrete Transport Offsite	40.00	Cubic Yard	\$11.96	\$478.60	U.S. Dollar
1.18 Site Restoration	1.00	Lump Sum	\$300,780.77	\$300,780.77	U.S. Dollar
1.18.1 Topsoil Placement	72,593.00	Cubic Yard	\$2.95	\$214,335.77	U.S. Dollar
1.18.2 Re-Seed With Native Vegetation - Roads & Areas Disturbed By Construction	113.00	Acre	\$765.00	\$86,445.00	U.S. Dollar
1.19 Scrap Metal Credit	1.00	Lump Sum	(\$3,232,768.32)	(\$3,232,768.32)	U.S. Dollar
1.19.1 Substation Scrap Metal Credit	200.00	Ton	(\$216.00)	(\$43,200.00)	U.S. Dollar
1.19.2 T Line Scrap Metal Credit	4.40	Ton	(\$216.00)	(\$950.40)	U.S. Dollar
1.19.3 Turbine Scrap Metal Credit	13,932.00	Ton	(\$216.00)	(\$3,009,312.00)	U.S. Dollar
1.19.4 Padmount Transformer Scrap Metal Credit	320.00	Ton	(\$216.00)	(\$69,120.00)	U.S. Dollar
1.19.5 MET Tower Scrap Metal Credit	20.00	Ton	(\$216.00)	(\$4,320.00)	U.S. Dollar
1.19.6 DeTect Scrap Metal Credit	5.00	Ton	(\$216.00)	(\$1,080.00)	U.S. Dollar
1.19.7 O&M Bldg. Scrap Metal Credit	20.00	Ton	(\$216.00)	(\$4,320.00)	U.S. Dollar
1.19.8 UG Cable Scrap Metal Credit	465.12	Ton	(\$216.00)	(\$100,465.92)	U.S. Dollar
1.20 Home Office, Project Management (5% Of Cost)	1.00	Lump Sum	\$286,671.30	\$286,671.30	U.S. Dollar
1.21 Contractor OH & Fee (13% Of Cost)	1.00	Lump Sum	\$782,612.61	\$782,612.61	U.S. Dollar
Total: WALLEYE WIND RETIREMENT				\$3,569,941.51	
Grand Total:				\$3,569,941.51	

Estimate Summary

TETRA TECH EC, INC.

Job Code: Walleye Wind

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	WALLEYE WIND RETIREMENT	411.72	0.00	Detail	U.S. Dollar	3,569,941.51	3,569,941.51
1.1	1.00 Lump Sum	Mob / Demob	5.00	0.20	Detail	U.S. Dollar	907,217.85	907,217.85
1.1.1	1.00 Lump Sum	Equipment Mob	0.00	0.00	Detail	U.S. Dollar	101,500.00	101,500.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
UERNTRLG	Rental Equip Transp-Large		10.00 Each	U.S. Dollar	10,000.00	100,000.00		
UERNTRSM	Rental Equip Transp-Small		10.00 Each	U.S. Dollar	150.00	1,500.00		
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	15,703.57	47,110.71
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	600.00	20.00 Each (hourly)	U.S. Dollar	44.04	26,422.35		
L010101	OPERATOR	300.00	10.00 Each (hourly)	U.S. Dollar	51.35	15,403.89		
L080940	TEAMSTER	120.00	4.00 Each (hourly)	U.S. Dollar	44.04	5,284.47		
1.1.4	2.00 Day	Crew Demob & Site Cleanup	2.00	1.00	Detail	U.S. Dollar	15,703.57	31,407.14
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	400.00	20.00 Each (hourly)	U.S. Dollar	44.04	17,614.90		
L010101	OPERATOR	200.00	10.00 Each (hourly)	U.S. Dollar	51.35	10,269.26		
L080940	TEAMSTER	80.00	4.00 Each (hourly)	U.S. Dollar	44.04	3,522.98		
1.1.5	1.00 Lump Sum	Mob-Erection Sub	0.00	0.00	Detail	U.S. Dollar	725,000.00	725,000.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USERECTMOB	Sub-Erection Mobilization		1.00 Each	U.S. Dollar	725,000.00	725,000.00		
Notes: ***** Historical pricing from past projects *****								
1.2	4.00 Month	Site Facilities	0.00	0.00	Detail	U.S. Dollar	2,155.00	8,620.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
URCONNEX	Connex Box		8.00 Month	U.S. Dollar	150.00	1,200.00		
UROFFTRL	Office Trailer -12x60		4.00 Month	U.S. Dollar	500.00	2,000.00		
UO1STAIID	1st Aid Supplies		4.00 Month	U.S. Dollar	300.00	1,200.00		
UOOFFPHN	Monthly Office Phone		4.00 Month	U.S. Dollar	500.00	2,000.00		
UOOFFSUP	Office Supplies(\$/prs/mo)		4.00 Month	U.S. Dollar	55.00	220.00		
UINT	Internet		4.00 Month	U.S. Dollar	200.00	800.00		
URPRTAJH	Port-a-John Unit(s) (4)		4.00 Month	U.S. Dollar	300.00	1,200.00		
1.3	16.00 Week	Field Management	96.00	0.17	Detail	U.S. Dollar	18,282.31	292,517.01
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L90FXX02	Field - Proj Superintendent	960.00	1.00 Each (hourly)	U.S. Dollar	83.18	79,854.72		
RPUTRK05	F-250 4X4 3/4 TON PICKUP	3,840.00	4.00 Each (hourly)	U.S. Dollar	11.07	42,489.60		
L90FEL00	Field - Engr. Tech	960.00	1.00 Each (hourly)	U.S. Dollar	39.57	37,991.06		
L90FXX03	Field - SHSO	960.00	1.00 Each (hourly)	U.S. Dollar	89.26	85,693.34		
L90FEJ00	Field - Asst. Engr.	960.00	1.00 Each (hourly)	U.S. Dollar	48.43	46,488.29		

Cost Item								
CBS Position Code	Quantity UM	Description	Days	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
1.4	1.00 Lump Sum	Substation & Switchyard Removal	28.00	0.04	Detail	U.S. Dollar	190,141.24	190,141.24
1.4.1	1.00 Day	Fence Removal	1.00	1.00	Detail	U.S. Dollar	1,286.19	1,286.19
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L010101	OPERATOR	10.00	1.00 Each (hourly)	U.S. Dollar	51.35	513.46		
L060100	GENERAL LABORER	10.00	1.00 Each (hourly)	U.S. Dollar	44.04	440.37		
RBACKH09	Deere 710J BACKHOE, 1.62CY	10.00	1.00 Each (hourly)	U.S. Dollar	33.24	332.35		
1.4.2	1.00 Each	Transformer & Switchyard Equip Removal	4.00	0.25	Detail	U.S. Dollar	132,865.02	132,865.02
1.4.2.1	1.00 Each	Oil Removal & Disposal	2.00	0.50	Detail	U.S. Dollar	103,332.79	103,332.79
1.4.2.1.1	1.00 Each	Oil Removal	2.00	0.50	Detail	U.S. Dollar	1,982.79	1,982.79
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	40.00	2.00 Each (hourly)	U.S. Dollar	44.04	1,761.49		
RPUTRK05	F-250 4X4 3/4 TON PICKUP	20.00	1.00 Each (hourly)	U.S. Dollar	11.07	221.30		
1.4.2.1.2	25,000.00 Gallon	Oil Disposal	0.00	0.00	Detail	U.S. Dollar	4.00	100,000.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USDISPOSAL	Disposal Fee's		100,000.00 Each	U.S. Dollar	1.00	100,000.00		
1.4.2.1.3	2.00 Each	Trucking - Per Load	0.00	0.00	Detail	U.S. Dollar	675.00	1,350.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USTRUCKING	Trucking Sub		1,350.00 Each	U.S. Dollar	1.00	1,350.00		
1.4.2.2	200.00 Ton	Demo & Prepare For Shipment Offsite	2.00	100.00	Detail	U.S. Dollar	102.66	20,532.23
1.4.2.3	200.00 Ton	Salvage & Recovery	0.00	0.00	Detail	U.S. Dollar	45.00	9,000.00
1.4.2.3.1	200.00 Ton	Scrap Trucking Cost	0.00	0.00	Detail	U.S. Dollar	45.00	9,000.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USTRUCKING	Trucking Sub		9,000.00 Each	U.S. Dollar	1.00	9,000.00		
1.4.3	2.00 Day	UG Utility & Ground Removal	2.00	1.00	Detail	U.S. Dollar	1,286.19	2,572.37
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L010101	OPERATOR	20.00	1.00 Each (hourly)	U.S. Dollar	51.35	1,026.93		
L060100	GENERAL LABORER	20.00	1.00 Each (hourly)	U.S. Dollar	44.04	880.75		
RBACKH09	Deere 710J BACKHOE, 1.62CY	20.00	1.00 Each (hourly)	U.S. Dollar	33.24	664.70		
1.4.4	900.00 Cubic Yard	Remove Surface Stone	11.00	81.82	Detail	U.S. Dollar	20.09	18,080.01
1.4.4.1	900.00 Cubic Yard	Excavate & Loadout	2.00	450.00	Detail	U.S. Dollar	2.54	2,286.33
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L010101	OPERATOR	20.00	1.00 Each (hourly)	U.S. Dollar	51.35	1,026.93		
RFELWH09	CAT 966F LOADER, 4.25CY	20.00	1.00 Each (hourly)	U.S. Dollar	62.97	1,259.40		
1.4.4.2	900.00 Cubic Yard	Stone Transport Offsite	9.00	100.00	Detail	U.S. Dollar	17.55	15,793.69
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
RDUTRK06	CAT D350D, 18CY-24CY	90.00	1.00 Each (hourly)	U.S. Dollar	74.29	6,686.10		
L080940	TEAMSTER	90.00	1.00 Each (hourly)	U.S. Dollar	44.04	3,963.35		
L010101	OPERATOR	45.00	0.50 Each (hourly)	U.S. Dollar	51.35	2,310.58		
RFELWH09	CAT 966F LOADER, 4.25CY	45.00	0.50 Each (hourly)	U.S. Dollar	62.97	2,833.65		
1.4.5	500.00 Cubic Yard	Remove Foundations To Subgrade	7.00	71.43	Detail	U.S. Dollar	34.84	17,418.87

Cost Item								
CBS Position Code	Quantity UM	Description	Days	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
1.4.5.1	500.00 Cubic Yard	Excavate / Remove Foundation - Various Depth	2.00	250.00	Detail	U.S. Dollar	17.29	8,644.60
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	20.00	1.00 Each (hourly)	U.S. Dollar	44.04	880.75		
L010101	OPERATOR	40.00	2.00 Each (hourly)	U.S. Dollar	51.35	2,053.85		
*REXCAV06C	Excav 100K w/ Hammer	20.00	1.00 Each (hourly)	U.S. Dollar	160.97	3,219.30		
*REXCAV06A	Excav 100K w/ Bucket & Grapple	20.00	1.00 Each (hourly)	U.S. Dollar	124.54	2,490.70		
1.4.5.2	500.00 Cubic Yard	Concrete Transport Offsite	5.00	100.00	Detail	U.S. Dollar	17.55	8,774.27
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	44.04	2,201.86		
L010101	OPERATOR	25.00	0.50 Each (hourly)	U.S. Dollar	51.35	1,283.66		
RFELWH09	CAT 966F LOADER, 4.25CY	25.00	0.50 Each (hourly)	U.S. Dollar	62.97	1,574.25		
1.4.6	1.00 Lump Sum	Misc. Material Disposal	0.00	0.00	Detail	U.S. Dollar	975.00	975.00
1.4.6.1	1.00 Each	Trucking - Per Load	0.00	0.00	Detail	U.S. Dollar	675.00	675.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USTRUCKING	Trucking Sub		675.00 Each	U.S. Dollar	1.00	675.00		
1.4.6.2	10.00 Ton	Disposal Cost	0.00	0.00	Detail	U.S. Dollar	30.00	300.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USDISPOSAL	Disposal Fee's		300.00 Each	U.S. Dollar	1.00	300.00		
1.4.7	1.00 Lump Sum	Restore Yard	3.00	0.33	Detail	U.S. Dollar	16,943.78	16,943.78
1.4.7.1	900.00 Cubic Yard	Vegetative Cover	3.00	300.00	Detail	U.S. Dollar	17.38	15,643.28
1.4.7.1.1	900.00 Cubic Yard	Topsoil, Delivered	0.00	0.00	Detail	U.S. Dollar	10.00	9,000.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
IMSOIL	Topsoil		450.00 Cubic Yard	U.S. Dollar	20.00	9,000.00		
1.4.7.1.2	900.00 Cubic Yard	Placement	3.00	300.00	Detail	U.S. Dollar	7.38	6,643.28
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L010101	OPERATOR	60.00	2.00 Each (hourly)	U.S. Dollar	51.35	3,080.78		
RDOZER08	CAT D6N XL	60.00	2.00 Each (hourly)	U.S. Dollar	59.38	3,562.50		
1.4.7.2	1.70 Acre	Re-Seed With Native Vegetation	0.00	0.00	Detail	U.S. Dollar	765.00	1,300.50
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USLANDSCAPE	Landscape Sub		1.70 Acre	U.S. Dollar	765.00	1,300.50		
1.5	1.00 Lump Sum	Transmission Line Removal	0.70	1.43	Detail	U.S. Dollar	4,017.32	4,017.32
1.5.1	0.11 Mile	Conductor Removal	0.50	0.22	Detail	U.S. Dollar	26,386.19	2,902.48
1.5.1.1	0.11 Mile	Cut / Lower Cable, Size & Loadout	0.50	0.22	Detail	U.S. Dollar	24,586.19	2,704.48
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	30.00	6.00 Each (hourly)	U.S. Dollar	44.04	1,321.12		
L010101	OPERATOR	10.00	2.00 Each (hourly)	U.S. Dollar	51.35	513.46		
*RXMISC14	MAN LIFT GAS 125ft	5.00	1.00 Each (hourly)	U.S. Dollar	53.52	267.60		
RLIFTS05	JCB 508C, 8,000lbs FRKLFT	5.00	1.00 Each (hourly)	U.S. Dollar	21.65	108.23		
*RXMISC19	Material Handler	5.00	1.00 Each (hourly)	U.S. Dollar	98.82	494.08		
1.5.1.2	4.40 Ton	Salvage & Recovery	0.00	0.00	Detail	U.S. Dollar	45.00	198.00

Cost Item								
CBS Position Code	Quantity UM	Description	Days	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
1.5.1.2.1	4.40 Ton	Scrap Trucking Cost	0.00	0.00	Detail	U.S. Dollar	45.00	198.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USTRUCKING	Trucking Sub		198.00 Each	U.S. Dollar	1.00	198.00		
1.5.2	4.00 Each	Wood Monopole Removal	0.20	20.00	Detail	U.S. Dollar	278.71	1,114.84
1.5.2.1	4.00 Each	Cut & Load Poles	0.20	20.00	Detail	U.S. Dollar	109.96	439.84
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
*REXCAV06A	Excav 100K w/ Bucket & Grapple	2.00	1.00 Each (hourly)	U.S. Dollar	124.54	249.07		
L010101	OPERATOR	2.00	1.00 Each (hourly)	U.S. Dollar	51.35	102.69		
L060100	GENERAL LABORER	2.00	1.00 Each (hourly)	U.S. Dollar	44.04	88.07		
1.5.2.2	1.00 Each	Trucking - Per Load	0.00	0.00	Detail	U.S. Dollar	675.00	675.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USTRUCKING	Trucking Sub		675.00 Each	U.S. Dollar	1.00	675.00		
1.6	40.00 Each	Construct & Remove Temporary Crane Pads	53.33	0.75	Detail	U.S. Dollar	7,593.04	303,721.72

Notes: *****
60' x 40' Temporary Crane Pad

1.6.1	4,000.00 Ton	Crane Pad 4" Stone 8" depth	20.00	200.00	Detail	U.S. Dollar	34.90	139,588.72
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
M4"STONE	4" Stone		4,000.00 Ton	U.S. Dollar	15.00	60,000.00		
RDOZER06	CAT D5H XL	200.00	1.00 Each (hourly)	U.S. Dollar	43.56	8,711.00		
RROLLR06	CP-563C 84" SMOOTH DRUM	200.00	1.00 Each (hourly)	U.S. Dollar	51.70	10,339.20		
L010101	OPERATOR	400.00	2.00 Each (hourly)	U.S. Dollar	51.35	20,538.52		
USSTONETRK	Sub-Trucking of Stone		4,000.00 Ton	U.S. Dollar	10.00	40,000.00		
1.6.2	3,000.00 Ton	Crane Pad 2" Stone 6" depth	20.00	150.00	Detail	U.S. Dollar	38.20	114,588.72
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USSTONETRK	Sub-Trucking of Stone		3,000.00 Ton	U.S. Dollar	10.00	30,000.00		
L010101	OPERATOR	400.00	2.00 Each (hourly)	U.S. Dollar	51.35	20,538.52		
RDOZER06	CAT D5H XL	200.00	1.00 Each (hourly)	U.S. Dollar	43.56	8,711.00		
RROLLR06	CP-563C 84" SMOOTH DRUM	200.00	1.00 Each (hourly)	U.S. Dollar	51.70	10,339.20		
M2"STONE	Material - 2" Stone		3,000.00 Ton	U.S. Dollar	15.00	45,000.00		
1.6.3	40.00 Each	Remove stone after erection	13.33	3.00	Detail	U.S. Dollar	1,238.61	49,544.28
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
RDOZER06	CAT D5H XL	133.33	1.00 Each (hourly)	U.S. Dollar	43.56	5,807.33		
RFELWH09	CAT 966F LOADER, 4.25CY	133.33	1.00 Each (hourly)	U.S. Dollar	62.97	8,396.00		
L010101	OPERATOR	266.67	2.00 Each (hourly)	U.S. Dollar	51.35	13,692.35		
L060100	GENERAL LABORER	133.33	1.00 Each (hourly)	U.S. Dollar	44.04	5,871.63		
RDUTRK06	CAT D350D, 18CY-24CY	133.33	1.00 Each (hourly)	U.S. Dollar	74.29	9,905.33		
L080940	TEAMSTER	133.33	1.00 Each (hourly)	U.S. Dollar	44.04	5,871.63		
1.7	40.00 Each	WTG Removal	0.00	0.00	Detail	U.S. Dollar	30,000.00	1,200,000.00
1.7.1	40.00 Each	Remove Top,Nacell, Rotor	0.00	0.00	Detail	U.S. Dollar	20,000.00	800,000.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USERECT1	Sub-Top, Nacelle, Rotor		40.00 Each	U.S. Dollar	20,000.00	800,000.00		
1.7.2	40.00 Each	Remove Base & Mid	0.00	0.00	Detail	U.S. Dollar	10,000.00	400,000.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		

Cost Item									
CBS Position Code	Quantity	UM	Description	Days	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
USERECT	Erection Sub - Base/Mid			40.00	Each		U.S. Dollar	10,000.00	400,000.00
1.8	36.00	Each	WTG Sizing & Loadout - 2.82 MW, 114 Meter	58.13		0.62 Detail	U.S. Dollar	47,414.90	1,706,936.50
1.8.1	36.00	Each	Oil Removal & Disposal	7.20		5.00 Detail	U.S. Dollar	375.15	13,505.54
1.8.1.1	36.00	Each	Oil Removal	7.20		5.00 Detail	U.S. Dollar	198.28	7,138.04
Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	144.00	2.00	Each (hourly)	U.S. Dollar	44.04	6,341.36		
RPUTRK05	F-250 4X4 3/4 TON PICKUP	72.00	1.00	Each (hourly)	U.S. Dollar	11.07	796.68		
1.8.1.2	1,440.00	Gallon	Oil Disposal	0.00		0.00 Detail	U.S. Dollar	4.00	5,760.00
Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost		
USDISPOSAL	Disposal Fee's		5,760.00	Each	U.S. Dollar	1.00	5,760.00		
1.8.1.3	0.90	Each	Trucking - Per Load	0.00		0.00 Detail	U.S. Dollar	675.00	607.50
Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost		
USTRUCKING	Trucking Sub		607.50	Each	U.S. Dollar	1.00	607.50		
1.8.2	14,565.60	Ton	Demo & Prepare For Shipment Offsite	50.93		286.00 Detail	U.S. Dollar	65.26	950,498.96
1.8.3	36.00	Each	Salvage & Recovery	0.00		0.00 Detail	U.S. Dollar	16,020.00	576,720.00
1.8.3.1	12,816.00	Ton	Scrap Trucking Cost	0.00		0.00 Detail	U.S. Dollar	45.00	576,720.00
Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost		
USTRUCKING	Trucking Sub		576,720.00	Each	U.S. Dollar	1.00	576,720.00		
1.8.4	1,749.60	Ton	Blade T&D	0.00		0.00 Detail	U.S. Dollar	95.00	166,212.00
Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost		
USTRUCKING	Trucking Sub		113,724.00	Each	U.S. Dollar	1.00	113,724.00		
USDISPOSAL	Disposal Fee's		52,488.00	Each	U.S. Dollar	1.00	52,488.00		
1.9	4.00	Each	WTG Sizing & Loadout - 2.32 MW, 80 Meter	5.23		0.76 Detail	U.S. Dollar	37,194.39	148,777.56
1.9.1	4.00	Each	Oil Removal & Disposal	0.80		5.00 Detail	U.S. Dollar	375.15	1,500.62
1.9.1.1	4.00	Each	Oil Removal	0.80		5.00 Detail	U.S. Dollar	198.28	793.12
Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	16.00	2.00	Each (hourly)	U.S. Dollar	44.04	704.60		
RPUTRK05	F-250 4X4 3/4 TON PICKUP	8.00	1.00	Each (hourly)	U.S. Dollar	11.07	88.52		
1.9.1.2	160.00	Gallon	Oil Disposal	0.00		0.00 Detail	U.S. Dollar	4.00	640.00
Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost		
USDISPOSAL	Disposal Fee's		640.00	Each	U.S. Dollar	1.00	640.00		
1.9.1.3	0.10	Each	Trucking - Per Load	0.00		0.00 Detail	U.S. Dollar	675.00	67.50
Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost		
USTRUCKING	Trucking Sub		67.50	Each	U.S. Dollar	1.00	67.50		
1.9.2	1,267.20	Ton	Demo & Prepare For Shipment Offsite	4.43		286.00 Detail	U.S. Dollar	65.26	82,692.94
1.9.3	4.00	Each	Salvage & Recovery	0.00		0.00 Detail	U.S. Dollar	12,555.00	50,220.00
1.9.3.1	1,116.00	Ton	Scrap Trucking Cost	0.00		0.00 Detail	U.S. Dollar	45.00	50,220.00
Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost		
USTRUCKING	Trucking Sub		50,220.00	Each	U.S. Dollar	1.00	50,220.00		
1.9.4	151.20	Ton	Blade T&D	0.00		0.00 Detail	U.S. Dollar	95.00	14,364.00

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
USTRUCKING	Trucking Sub		9,828.00	Each	U.S. Dollar		1.00	9,828.00
USDISPOSAL	Disposal Fee's		4,536.00	Each	U.S. Dollar		1.00	4,536.00
1.10	40.00 Each	WTG Foundation Removal	25.35	1.58	Detail	U.S. Dollar	1,351.90	54,075.86
1.10.1	1,880.00 Cubic Yard	Remove Cylindrical Pedestal & Extension	12.53	150.00	Detail	U.S. Dollar	45.91	86,301.83
Resource Code	Description	Hours	Quantity UM		Currency		Unit Cost	Total Cost
L060100	GENERAL LABORER	250.67	2.00	Each (hourly)	U.S. Dollar		44.04	11,038.67
L010101	OPERATOR	376.00	3.00	Each (hourly)	U.S. Dollar		51.35	19,306.21
*REXCAV06C	Excav 100K w/ Hammer	250.67	2.00	Each (hourly)	U.S. Dollar		160.97	40,348.56
*REXCAV06A	Excav 100K w/ Bucket & Grapple	125.33	1.00	Each (hourly)	U.S. Dollar		124.54	15,608.39
1.10.3	1,880.00 Cubic Yard	Concrete Transport Offsite	12.82	146.67	Detail	U.S. Dollar	11.96	22,494.04
Resource Code	Description	Hours	Quantity UM		Currency		Unit Cost	Total Cost
RDUTRK06	CAT D350D, 18CY-24CY	128.18	1.00	Each (hourly)	U.S. Dollar		74.29	9,522.63
L080940	TEAMSTER	128.18	1.00	Each (hourly)	U.S. Dollar		44.04	5,644.77
L010101	OPERATOR	64.09	0.50	Each (hourly)	U.S. Dollar		51.35	3,290.83
RFELWH09	CAT 966F LOADER, 4.25CY	64.09	0.50	Each (hourly)	U.S. Dollar		62.97	4,035.80
1.10.4	40.00 Each	Rebar Salvage & Recovery	0.00	0.00	Detail	U.S. Dollar	(1,368.00)	(54,720.00)
1.10.4.1	320.00 Ton	Scrap Trucking Cost	0.00	0.00	Detail	U.S. Dollar	45.00	14,400.00
Resource Code	Description	Hours	Quantity UM		Currency		Unit Cost	Total Cost
USTRUCKING	Trucking Sub		14,400.00	Each	U.S. Dollar		1.00	14,400.00
1.10.4.2	320.00 Ton	Ferrous Metals Credit	0.00	0.00	Detail	U.S. Dollar	(216.00)	(69,120.00)
Resource Code	Description	Hours	Quantity UM		Currency		Unit Cost	Total Cost
UODCFERROUS	Ferrous Metal Scrap		320.00	Ton	U.S. Dollar		(216.00)	(69,120.00)
1.11	40.00 Each	Pad Mount Transformer Removal	10.56	3.79	Detail	U.S. Dollar	3,465.63	138,625.06
1.11.1	40.00 Each	Oil Removal & Disposal	8.00	5.00	Detail	U.S. Dollar	2,960.83	118,433.18
1.11.1.1	40.00 Each	Oil Removal	8.00	5.00	Detail	U.S. Dollar	110.20	4,408.18
Resource Code	Description	Hours	Quantity UM		Currency		Unit Cost	Total Cost
L060100	GENERAL LABORER	80.00	1.00	Each (hourly)	U.S. Dollar		44.04	3,522.98
RPUTRK05	F-250 4X4 3/4 TON PICKUP	80.00	1.00	Each (hourly)	U.S. Dollar		11.07	885.20
1.11.1.2	28,000.00 Gallon	Oil Disposal	0.00	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
1.11.1.3	3.00 Each	Trucking - Per Load	0.00	0.00	Detail	U.S. Dollar	675.00	2,025.00
Resource Code	Description	Hours	Quantity UM		Currency		Unit Cost	Total Cost
USTRUCKING	Trucking Sub		2,025.00	Each	U.S. Dollar		1.00	2,025.00
1.11.2	40.00 Each	Remove & Loadout Transformer	2.00	20.00	Detail	U.S. Dollar	109.96	4,398.37
Resource Code	Description	Hours	Quantity UM		Currency		Unit Cost	Total Cost
*REXCAV06A	Excav 100K w/ Bucket & Grapple	20.00	1.00	Each (hourly)	U.S. Dollar		124.54	2,490.70
L010101	OPERATOR	20.00	1.00	Each (hourly)	U.S. Dollar		51.35	1,026.93
L060100	GENERAL LABORER	20.00	1.00	Each (hourly)	U.S. Dollar		44.04	880.75

Cost Item								
CBS Position Code	Quantity UM	Description	Days	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
1.11.3	40.00 Each	Salvage & Recovery	0.00	0.00	Detail	U.S. Dollar	360.00	14,400.00
1.11.3.1	320.00 Ton	Scrap Trucking Cost	0.00	0.00	Detail	U.S. Dollar	45.00	14,400.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USTRUCKING	Trucking Sub		14,400.00 Each	U.S. Dollar	1.00	14,400.00		
1.11.4	40.00 Each	Remove Foundations To Subgrade	0.56	71.43	Detail	U.S. Dollar	34.84	1,393.51
1.11.4.1	40.00 Cubic Yard	Excavate / Remove Foundation - Various Depth	0.16	250.00	Detail	U.S. Dollar	17.29	691.57
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	1.60	1.00 Each (hourly)	U.S. Dollar	44.04	70.46		
L010101	OPERATOR	3.20	2.00 Each (hourly)	U.S. Dollar	51.35	164.31		
*REXCAV06C	Excav 100K w/ Hammer	1.60	1.00 Each (hourly)	U.S. Dollar	160.97	257.54		
*REXCAV06A	Excav 100K w/ Bucket & Grapple	1.60	1.00 Each (hourly)	U.S. Dollar	124.54	199.26		
1.11.4.2	40.00 Cubic Yard	Concrete Transport Offsite	0.40	100.00	Detail	U.S. Dollar	17.55	701.94
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
RDUTRK06	CAT D350D, 18CY-24CY	4.00	1.00 Each (hourly)	U.S. Dollar	74.29	297.16		
L080940	TEAMSTER	4.00	1.00 Each (hourly)	U.S. Dollar	44.04	176.15		
L010101	OPERATOR	2.00	0.50 Each (hourly)	U.S. Dollar	51.35	102.69		
RFELWH09	CAT 966F LOADER, 4.25CY	2.00	0.50 Each (hourly)	U.S. Dollar	62.97	125.94		
1.12	1.00 Each	MET Tower Removal	0.71	1.42	Detail	U.S. Dollar	3,840.90	3,840.90
1.12.1	1.00 Each	Structure Demo	0.50	2.00	Detail	U.S. Dollar	2,503.99	2,503.99
1.12.2	15.00 Cubic Yard	Remove Foundation	0.10	146.00	Detail	U.S. Dollar	47.16	707.44
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	2.05	2.00 Each (hourly)	U.S. Dollar	44.04	90.49		
L010101	OPERATOR	3.08	3.00 Each (hourly)	U.S. Dollar	51.35	158.26		
*REXCAV06C	Excav 100K w/ Hammer	2.05	2.00 Each (hourly)	U.S. Dollar	160.97	330.75		
*REXCAV06A	Excav 100K w/ Bucket & Grapple	1.03	1.00 Each (hourly)	U.S. Dollar	124.54	127.95		
1.12.3	15.00 Cubic Yard	Concrete Transport Offsite	0.10	146.67	Detail	U.S. Dollar	11.96	179.47
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
RDUTRK06	CAT D350D, 18CY-24CY	1.02	1.00 Each (hourly)	U.S. Dollar	74.29	75.98		
L080940	TEAMSTER	1.02	1.00 Each (hourly)	U.S. Dollar	44.04	45.04		
L010101	OPERATOR	0.51	0.50 Each (hourly)	U.S. Dollar	51.35	26.26		
RFELWH09	CAT 966F LOADER, 4.25CY	0.51	0.50 Each (hourly)	U.S. Dollar	62.97	32.20		
1.12.4	10.00 Ton	Structure Salvage & Recovery	0.00	0.00	Detail	U.S. Dollar	45.00	450.00
1.12.4.1	10.00 Ton	Scrap Trucking Cost	0.00	0.00	Detail	U.S. Dollar	45.00	450.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USTRUCKING	Trucking Sub		450.00 Each	U.S. Dollar	1.00	450.00		
1.13	1.00 Each	DeTect Radar Assembly Removal	0.57	1.76	Detail	U.S. Dollar	3,072.12	3,072.12
1.13.1	1.00 Each	Structure Demo	0.50	2.00	Detail	U.S. Dollar	2,503.99	2,503.99
1.13.2	5.00 Cubic Yard	Remove Foundation	0.03	146.00	Detail	U.S. Dollar	47.16	235.81
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	0.68	2.00 Each (hourly)	U.S. Dollar	44.04	30.16		
L010101	OPERATOR	1.03	3.00 Each (hourly)	U.S. Dollar	51.35	52.75		

Cost Item								
CBS Position Code	Quantity UM	Description	Days	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
*REXCAV06C	Excav 100K w/ Hammer	0.68	2.00	Each (hourly)	U.S. Dollar		160.97	110.25
*REXCAV06A	Excav 100K w/ Bucket & Grapple	0.34	1.00	Each (hourly)	U.S. Dollar		124.54	42.65
1.13.3	5.00 Cubic Yard	Concrete Transport Offsite	0.03	146.67	Detail	U.S. Dollar	11.96	59.82
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
RDUTRK06	CAT D350D, 18CY-24CY	0.34	1.00	Each (hourly)	U.S. Dollar	74.29	25.33	
L080940	TEAMSTER	0.34	1.00	Each (hourly)	U.S. Dollar	44.04	15.01	
L010101	OPERATOR	0.17	0.50	Each (hourly)	U.S. Dollar	51.35	8.75	
RFELWH09	CAT 966F LOADER, 4.25CY	0.17	0.50	Each (hourly)	U.S. Dollar	62.97	10.73	
1.13.4	5.00 Ton	Structure Salvage & Recovery	0.00	0.00	Detail	U.S. Dollar	45.00	225.00
1.13.4.1	5.00 Ton	Scrap Trucking Cost	0.00	0.00	Detail	U.S. Dollar	45.00	225.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USTRUCKING	Trucking Sub		225.00	Each	U.S. Dollar	1.00	225.00	
1.13.5	0.50 Ton	Misc Waste T&D	0.00	0.00	Detail	U.S. Dollar	95.00	47.50
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USTRUCKING	Trucking Sub		32.50	Each	U.S. Dollar	1.00	32.50	
USDISPOSAL	Disposal Fee's		15.00	Each	U.S. Dollar	1.00	15.00	
1.14	1.00 Lump Sum	O&M Building Removal	4.18	0.24	Detail	U.S. Dollar	18,075.46	18,075.46
1.14.1	25.00 Ton	Structure Demo	2.50	10.00	Detail	U.S. Dollar	500.80	12,519.93
Notes: ***** Assume 8 lbs PSF for steel structure, 2 lbs PSF for interior *****								
1.14.2	120.00 Cubic Yard	Remove Foundations To Subgrade	1.68	71.43	Detail	U.S. Dollar	34.84	4,180.53
1.14.2.1	120.00 Cubic Yard	Excavate / Remove Foundation & Slab - Various Depth	0.48	250.00	Detail	U.S. Dollar	17.29	2,074.70
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	4.80	1.00	Each (hourly)	U.S. Dollar	44.04	211.38	
L010101	OPERATOR	9.60	2.00	Each (hourly)	U.S. Dollar	51.35	492.92	
*REXCAV06C	Excav 100K w/ Hammer	4.80	1.00	Each (hourly)	U.S. Dollar	160.97	772.63	
*REXCAV06A	Excav 100K w/ Bucket & Grapple	4.80	1.00	Each (hourly)	U.S. Dollar	124.54	597.77	
1.14.2.2	120.00 Cubic Yard	Concrete Transport Offsite	1.20	100.00	Detail	U.S. Dollar	17.55	2,105.82
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
RDUTRK06	CAT D350D, 18CY-24CY	12.00	1.00	Each (hourly)	U.S. Dollar	74.29	891.48	
L080940	TEAMSTER	12.00	1.00	Each (hourly)	U.S. Dollar	44.04	528.45	
L010101	OPERATOR	6.00	0.50	Each (hourly)	U.S. Dollar	51.35	308.08	
RFELWH09	CAT 966F LOADER, 4.25CY	6.00	0.50	Each (hourly)	U.S. Dollar	62.97	377.82	
1.14.3	5.00 Ton	Misc Interior T&D	0.00	0.00	Detail	U.S. Dollar	95.00	475.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USTRUCKING	Trucking Sub		325.00	Each	U.S. Dollar	1.00	325.00	
USDISPOSAL	Disposal Fee's		150.00	Each	U.S. Dollar	1.00	150.00	
1.14.4	20.00 Ton	Structure Salvage & Recovery	0.00	0.00	Detail	U.S. Dollar	45.00	900.00
1.14.4.1	20.00 Ton	Scrap Trucking Cost	0.00	0.00	Detail	U.S. Dollar	45.00	900.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USTRUCKING	Trucking Sub		900.00	Each	U.S. Dollar	1.00	900.00	

Cost Item								
CBS Position Code	Quantity UM	Description	Days	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
1.15	18,148.00 Cubic Yard	Access Road Removal & Transport	36.30	500.00	Detail	U.S. Dollar	11.07	200,848.13
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L010101	OPERATOR	725.92	2.00 Each (hourly)	U.S. Dollar	51.35	37,273.31		
L060100	GENERAL LABORER	725.92	2.00 Each (hourly)	U.S. Dollar	44.04	31,967.52		
L080940	TEAMSTER	725.92	2.00 Each (hourly)	U.S. Dollar	44.04	31,967.52		
RDUTRK06	CAT D350D, 18CY-24CY	725.92	2.00 Each (hourly)	U.S. Dollar	74.29	53,928.60		
RFELWH09	CAT 966F LOADER, 4.25CY	725.92	2.00 Each (hourly)	U.S. Dollar	62.97	45,711.18		
Notes: ***** 11.6 miles x 16' per Site Permit Application *****								
1.16	35.00 Mile	Underground Cable Removal - Power & Fiber	35.00	1.00	Detail	U.S. Dollar	6,646.55	232,629.15
1.16.1	35.00 Mile	Underground Cable Removal - Power & Fiber	35.00	1.00	Detail	U.S. Dollar	6,115.50	214,042.40
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	700.00	2.00 Each (hourly)	U.S. Dollar	44.04	30,826.08		
L010101	OPERATOR	1,400.00	4.00 Each (hourly)	U.S. Dollar	51.35	71,884.82		
RLIFTS05	JCB 508C, 8,000lbs FRKLFT	350.00	1.00 Each (hourly)	U.S. Dollar	21.65	7,575.75		
*REXCAV06D	Excav 100K	1,050.00	3.00 Each (hourly)	U.S. Dollar	98.82	103,755.75		
1.16.2	35.00 Ton	Fiber Cable T&D	0.00	0.00	Detail	U.S. Dollar	95.00	3,325.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USTRUCKING	Trucking Sub		2,275.00 Each	U.S. Dollar	1.00	2,275.00		
USDISPOSAL	Disposal Fee's		1,050.00 Each	U.S. Dollar	1.00	1,050.00		
1.16.3	339.15 Ton	Power Cable Salvage & Recovery	0.00	0.00	Detail	U.S. Dollar	45.00	15,261.75
1.16.3.1	339.15 Ton	Scrap Trucking Cost	0.00	0.00	Detail	U.S. Dollar	45.00	15,261.75
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USTRUCKING	Trucking Sub		15,261.75 Each	U.S. Dollar	1.00	15,261.75		
1.17	40.00 Each	Remove 18" x 24' Culverts	4.27	9.36	Detail	U.S. Dollar	488.23	19,529.28
1.17.1	40.00 Each	Remove Foundation	4.00	10.00	Detail	U.S. Dollar	476.27	19,050.68
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	80.00	2.00 Each (hourly)	U.S. Dollar	44.04	3,522.98		
L010101	OPERATOR	80.00	2.00 Each (hourly)	U.S. Dollar	51.35	4,107.70		
*REXCAV06C	Excav 100K w/ Hammer	40.00	1.00 Each (hourly)	U.S. Dollar	160.97	6,438.60		
*REXCAV06A	Excav 100K w/ Bucket & Grapple	40.00	1.00 Each (hourly)	U.S. Dollar	124.54	4,981.40		
1.17.2	40.00 Cubic Yard	Concrete Transport Offsite	0.27	146.67	Detail	U.S. Dollar	11.96	478.60
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
RDUTRK06	CAT D350D, 18CY-24CY	2.73	1.00 Each (hourly)	U.S. Dollar	74.29	202.61		
L080940	TEAMSTER	2.73	1.00 Each (hourly)	U.S. Dollar	44.04	120.10		
L010101	OPERATOR	1.36	0.50 Each (hourly)	U.S. Dollar	51.35	70.02		
RFELWH09	CAT 966F LOADER, 4.25CY	1.36	0.50 Each (hourly)	U.S. Dollar	62.97	85.87		
1.18	1.00 Lump Sum	Site Restoration	48.40	0.02	Detail	U.S. Dollar	300,780.77	300,780.77
1.18.1	72,593.00 Cubic Yard	Topsoil Placement	48.40	1,500.00	Detail	U.S. Dollar	2.95	214,335.77
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L010101	OPERATOR	1,935.81	4.00 Each (hourly)	U.S. Dollar	51.35	99,396.85		
RDOZER08	CAT D6N XL	1,935.81	4.00 Each (hourly)	U.S. Dollar	59.38	114,938.92		

Cost Item								
CBS Position Code	Quantity UM	Description	Days	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
Notes: ***** Road footprint - 11.6 miles x 16' = 23 acres 2 acres per turbine location = 80 acres Misc areas impacted by deconstruction - 10 acres Assume that topsoil is bermed and available for reclamation *****								
1.18.2	113.00 Acre	Re-Seed With Native Vegetation - Roads & Areas Disturbed By Construction	0.00	0.00	Detail	U.S. Dollar	765.00	86,445.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USLANDSCAPE	Landscape Sub		113.00 Acre	U.S. Dollar	765.00	86,445.00		
Notes: ***** Road footprint - 11.6 miles x 16' = 23 acres 2 acres per turbine location = 80 acres Misc areas impacted by deconstruction - 10 acres *****								
1.19	1.00 Lump Sum	Scrap Metal Credit	0.00	0.00	Detail	U.S. Dollar	(3,232,768.32)	(3,232,768.32)
1.19.1	200.00 Ton	Substation Scrap Metal Credit	0.00	0.00	Detail	U.S. Dollar	(216.00)	(43,200.00)
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
UODCFERROUS	Ferrous Metal Scrap		200.00 Ton	U.S. Dollar	(216.00)	(43,200.00)		
1.19.2	4.40 Ton	T Line Scrap Metal Credit	0.00	0.00	Detail	U.S. Dollar	(216.00)	(950.40)
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
UODCFERROUS	Ferrous Metal Scrap		4.40 Ton	U.S. Dollar	(216.00)	(950.40)		
1.19.3	13,932.00 Ton	Turbine Scrap Metal Credit	0.00	0.00	Detail	U.S. Dollar	(216.00)	(3,009,312.00)
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
UODCFERROUS	Ferrous Metal Scrap		13,932.00 Ton	U.S. Dollar	(216.00)	(3,009,312.00)		
1.19.4	320.00 Ton	Padmount Transformer Scrap Metal Credit	0.00	0.00	Detail	U.S. Dollar	(216.00)	(69,120.00)
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
UODCFERROUS	Ferrous Metal Scrap		320.00 Ton	U.S. Dollar	(216.00)	(69,120.00)		
1.19.5	20.00 Ton	MET Tower Scrap Metal Credit	0.00	0.00	Detail	U.S. Dollar	(216.00)	(4,320.00)
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
UODCFERROUS	Ferrous Metal Scrap		20.00 Ton	U.S. Dollar	(216.00)	(4,320.00)		
1.19.6	5.00 Ton	DeTect Scrap Metal Credit	0.00	0.00	Detail	U.S. Dollar	(216.00)	(1,080.00)
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
UODCFERROUS	Ferrous Metal Scrap		5.00 Ton	U.S. Dollar	(216.00)	(1,080.00)		
1.19.7	20.00 Ton	O&M Bldg. Scrap Metal Credit	0.00	0.00	Detail	U.S. Dollar	(216.00)	(4,320.00)
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
UODCFERROUS	Ferrous Metal Scrap		20.00 Ton	U.S. Dollar	(216.00)	(4,320.00)		
1.19.8	465.12 Ton	UG Cable Scrap Metal Credit	0.00	0.00	Detail	U.S. Dollar	(216.00)	(100,465.92)
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
UODCFERROUS	Ferrous Metal Scrap		465.12 Ton	U.S. Dollar	(216.00)	(100,465.92)		
1.20	1.00 Lump Sum	Home Office, Project Management (5% Of Cost)	0.00	0.00	Detail	U.S. Dollar	286,671.30	286,671.30
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USMARKUP5	5% Markup		5,733,426.00 Each	U.S. Dollar	0.05	286,671.30		
1.21	1.00 Lump Sum	Contractor OH & Fee (13% Of Cost)	0.00	0.00	Detail	U.S. Dollar	782,612.61	782,612.61

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		
USMARKUP	13% Markup	6,020,097.00	Each		U.S. Dollar	0.13	782,612.61		
Report Total:				411.72			3,569,941.51		

Category	Total
Labor	1,056,109.60
Rented Equipment	1,351,472.57
Supplies	1,420.00
Materials	114,000.00
Subcontract	4,343,827.66
ODCs	5,000.00
Other Costs	(3,301,888.32)