

A DECOMMISSIONING PLAN FOR

# Bowman Wind Project

Bowman County, North Dakota

JUNE 23, 2021

*REVISION 1 APRIL 27, 2023*

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*REVISION 3 DECEMBER 1, 2025*

PREPARED FOR:

**Bowman Wind, LLC**

PREPARED BY:

**Westwood**

# Decommissioning Plan

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Bowman County, North Dakota

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# 1.0 INTRODUCTION / PROJECT DESCRIPTION

The Bowman Wind Project (the “Facility”) is a 208.7-megawatt (“MW”) wind power generation project owned by Bowman Wind, LLC (the “Applicant<sup>1</sup>”) in Bowman County, North Dakota. The Facility is located on approximately 33,890 acres of privately owned and leased land. For the purposes of this decommissioning plan and cost estimate it is assumed that the Facility includes permanent facilities of seventy-four (74) GE 2.82 MW turbines, nacelles and blades with an 88.48 meter hub height, two (2) meteorological (“MET”) towers, two (2) aircraft detection lighting system (“ADLS”) towers, access roads, an underground collection system, a step-up substation, and an operations and maintenance (“O&M”) facility.

During the design and permitting of the Facility, impacts to natural resources were identified and avoided, or minimized and mitigated. After the operating period, the Facility will be decommissioned and the Facility area reclaimed; as a result, no impacts to natural resources or future development have been identified.

## 2.0 DECOMMISSIONING OBJECTIVE

The purpose of this “Decommissioning Plan (the “Plan”) is to describe the means and methods that may be used to remove facilities, and reclaim and restore the land in accordance with North Dakota Public Service Commission (“NDPSC”) decommissioning requirements set forth in N.D. Admin. Code (“NDAC”) Ch. 69-09-09.

The Applicant acknowledges that decommissioning and restoration is accomplished at the expense of Applicant (or its successors in interest and assigns).

## 3.0 PROPOSED FUTURE LAND USE

Prior to the development of the Facility, the land use in the areas affected by development was primarily agricultural land with approximately one quarter of the area planted with row crops and the remainder used for pasture or hay fields. Wetlands are present in the area, but the wind farm does not encroach on the wetlands, instead utilizing the higher ground. After affected areas are decommissioned, these areas will be returned to their predevelopment topography and topsoil conditions to the extent practical.

## 4.0 DECOMMISSIONING TASKS AND TIMING

Decommissioning includes several phases and activities such as:

- Removal of above ground components (towers, turbine generators, transformers, fencing, overhead cables, met towers, substation, ADLS equipment, and operations and maintenance facility);
- Removal of turbine, transformer, met tower, ADLS tower, substation, and operations and maintenance facility foundations to a depth of four feet;
- Removal of underground collection system and fiber optic cables to a depth of twenty- (24) inches;

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<sup>1</sup> “Applicant” refers to any operator, subsequent owner, or transferee of the Facility.

- Removal of access roads;
- Restoration of access roads, including decompaction;
- Reclamation, re-grading, and restoration of disturbed areas including topsoil reapplication and decompaction of soils;
- Application of necessary sediment and erosion controls as well as reseeded during and following decommissioning; and
- Repair of public roads and culverts to pre-construction condition.

Underground utility lines deeper than twenty-four (24) inches below ground may be left in place to minimize land disturbance and associated impacts to future agricultural land use.

Decommissioning will include the removal and transportation of all turbine components and debris from the Facility site. Decommissioning will also include the removal of above-ground cabling, electrical components, access roads, and any other associated facilities in the manner described in the Plan, unless otherwise agreed upon by Applicant and the applicable landowner and approved by the NDPSC following the receipt of a signed and notarized landowner request. All dismantling, removal, and disposal of materials generated during decommissioning will comply with rules, regulations, and prevailing laws at the time decommissioning is initiated, and will use approved local or regional disposal sites as available. Disposal of materials will comply with state and federal law.

There are no known hazardous materials contemplated for incorporation in the Facility, with the exception of mineral oil in the gearbox and transformers, and hydraulic fluids and grease in some mechanical components. During decommissioning, current regulations for identifying, handling, and disposing of hazardous materials will be followed.

## 5.0 DECOMMISSIONING ACTIVITIES

### *Public Road Modifications and Removal*

Temporary turning radius modifications are not expected to be needed for decommissioning as turbines that have reached the end of useful life can be cut apart for scrap. Transportation of the turbine components off site will be accomplished using conventional over the road trucks. Following removal of the decommissioned turbine components any disturbed areas will be restored to preconstruction condition using thorough decompaction techniques and re-application of topsoil. After all hauling activities are complete the county and township public roads will be restored to pre-construction condition.

### *Crane Path Preparation and Removal*

To facilitate the movement of the large industrial cranes used to disassemble the turbines, crane paths will be required between the turbine sites. A crane path network was designed for the construction of the Project. The same corridors are likely to be used for decommissioning. Some turbine access roads may be temporarily widened from their operational width of sixteen (16) feet to approximately forty (40) feet wide by compacting in place soils to create crane shoulders on roads that were configured to accommodate crane travel during the construction of the Project. Preparations include compaction of the native soils and construction of temporary road crossings, crane mat crossings, low water crossings, and/or temporary culverts to cross streams. Following disassembly of the wind turbines, the temporary crossings will be removed, and the crossing areas will be restored to pre-decommissioning conditions. The soil on the crane paths will be decompacted and revegetated or restored to a tillable condition.

### *Crane Pad Preparation, Removal, and Restoration*

A 40-foot by 80-foot crane pad will be prepared at each turbine location to be used during dismantling of the turbines. Temporary alteration of turbine pads may be necessary to facilitate crane movements during decommissioning of above-ground turbine components. If such alteration is necessary, topsoil from the additional disturbed areas will be stripped and isolated for re-application after turbines have been dismantled and crane pads removed. After removal of all turbine components, the crane pad area will be removed by excavating any granular materials placed during the initial construction of the crane pad. Disturbed areas will be restored to preconstruction condition by re-grading the area, reapplying topsoil, and de-compacting the subsoil and topsoil.

### *Wind Turbine Removal*

Each turbine consists of three (3) steel tower segments, nacelle, rotor and hub assembly, and three blades. If it is not cost effective to resell the turbines, the components will be processed on-site or at an off-site location into sizes which conform to disposal requirements. The processed scrap materials will be loaded on tractor-trailers and removed from the site to a prearranged receiving location, or directly to a disposal facility.

### *Turbine Foundation Removal and Restoration*

Turbine foundations are fabricated of concrete and rebar. Topsoil and aggregate from the area surrounding the foundations will be stripped, segregated, and stockpiled near the work site for reapplication during restoration. The turbine foundation will be exposed using backhoes, bull- dozers, or other earth moving equipment. The pedestal (upper part of the turbine foundation) will be removed to a depth of four (4) feet below the final ground surface. Demolition of mass concrete is generally accomplished using hydraulic hammers mounted on a backhoe or similar equipment (hoe ram), or by the use of expansive chemicals placed in holes drilled in the concrete.

Concrete and rebar will be broken into manageable-sized pieces and loaded into dump trucks to be hauled off site for disposal.

Following the removal of turbines and foundation pedestals, the resulting voids will be backfilled with clean native subsoils and compacted to a density similar to surrounding subsoils (typically approximately 90% of the fill material's standard Proctor density). Topsoil will then be reapplied to the site and graded to blend with the surrounding grade and preserve pre-existing drainage patterns. The soil and topsoil will be decompacted and restored to a tillable agriculture ready condition similar to the pre-construction condition, or re-seeded in accordance with the requirements of NDAC § 69-09-09-05(1)(e) to promote re-vegetation. If necessary, the site will be temporarily or permanently re-vegetated, depending upon location, time of year, and anticipated post-decommissioning land use.

A concrete transformer pad is located next to each turbine pedestal. The pad can be removed with the same equipment as the pedestal, and loaded, transported, and disposed of the same as the pedestal. The transformer pad is located within the gravel ring around the turbine so no additional disturbance or restoration area is required.

### *Access Road Removal and Restoration*

Access roads will be removed or left in place based on the individual landowner's request, which should be made in writing and notarized along with NDPSC approval. Removal of access roads will entail removal of the road base aggregate and any other materials used for constructing the roads. During removal, the topsoil adjacent to both sides of the roads will be stripped and stockpiled in a windrow paralleling the road. The road base materials will then be removed by bulldozers and wheeled loaders, or backhoes, and hauled off site in dump trucks to be

disposed at an off-site facility. On-site processing may allow much of the aggregate to be re-used to improve public roads. The decommissioning contractor will also likely seek disposal opportunities for clean fill from nearby landowners to reduce hauling and disposal costs. The road aggregate may also be disposed of at a nearby landfill and used as “daily cover” at no cost. If geotextile fabric was utilized under the aggregate base, it will be removed and disposed of in a landfill off-site. The access road removal will proceed from the turbine area to the public roads to limit tracking and provide a stable access during removal. Following removal, topsoil will be reapplied and graded to blend with surrounding contours to promote pre-construction drainage patterns. Topsoil to cover the access roads and turbine rings will be acquired from the areas where it was stockpiled during the original construction. Since topsoil stayed with each parcel in the construction of the wind farm there will be adequate topsoil to restore each area to its pre-construction condition. The soil and topsoil will then be decompacted and restored to pre-construction tillable condition or re-vegetated.

#### *Underground Electrical Collection Lines*

The electrical cables and fiber optic cables are typically installed at a minimum depth of 48 inches (by plan), and contain no material known to be harmful to the environment. The only locations where the cables are less than 48 inches deep are where cables enter pad mounted transformers and junction boxes. Accordingly, the majority of underground cables will be left in place, non-functional. Any cable at a depth of less than twenty-four (24) inches will be removed. Following cable, junction box, and route marker removals, disturbed areas will be restored by the restoration methods described above for access roads, including the reapplication of topsoil to match the surrounding grade and preserve or promote pre-existing drainage patterns.

A pad mounted transformer is located next to each turbine, where the connection to the collection system is made. The transformer and concrete pad will be removed. These transformers are located within the gravel ring around the turbine bases, so the removals won't disturb any additional area requiring restoration.

#### *MET Towers*

The Project requires decommissioning of MET towers as part of overall decommissioning. All aboveground structures, gravel surfaces and concrete foundations will be removed, hauled, and disposed. Following disconnection of electrical components, towers will be gradually lowered to the ground for disassembly. The steel structures will be cut into pieces sized. The cost estimate includes pricing for dismantling, loading, transportation, and disposal.

#### *ADLS Towers*

The Project requires decommissioning of ADLS towers as part of overall decommissioning. Decommissioning of the ADLS tower will be similar to dismantling a MET tower. All aboveground structures, gravel surfaces and concrete foundations will be removed, hauled, and disposed. The cost estimate includes pricing for dismantling, loading, transportation, and disposal.

#### *Substation*

Decommissioning of the Project's substation will be performed with the rest of the Project. Foundations and underground components will be removed to a depth of four (4) feet. The cost estimate includes pricing for dismantling, loading, transportation, and disposal. Topsoil will be reapplied to match surrounding grade to preserve existing drainage patterns. Topsoil and subsoil will be decompacted and the site will be revegetated to match pre-construction conditions.

## *O&M Facility*

The O&M Building is a sturdy, general purpose steel building. If the building is not repurposed, decommissioning will include disconnection of the utilities and demolition of the building structure, foundation, rock base parking lot, and associated vegetated/stormwater handling facilities. The cost estimate includes pricing for dismantling, loading, transportation, and disposal. Subgrade soils will be decompacted and graded to blend with the adjacent topography. Topsoil and subsoil will be decompacted and the site will be revegetated to match pre-construction conditions.

## **6.0 RECLAMATION**

In addition to the reclamation activities described above for each decommissioning activity, all unexcavated areas compacted by equipment and activity during the decommissioning will be de- compacted to a depth as needed to ensure proper density of topsoil consistent and compatible with the surrounding area and associated land use. All materials and debris associated with the Facility decommissioning will be removed and properly disposed of at off-site facilities.

As necessary, the topsoil will be stripped and isolated prior to removal of structures and facilities for reapplication to promote future land use activities. The topsoil will be reapplied following backfill, as necessary, and graded to blend with adjacent contours to maintain pre-construction drainage patterns. The topsoil reapplied will be free from large rocks and will not contain debris from decommissioning. If the area is not going to be used for crops, the topsoil will then be re-vegetated using seed mixes in accordance with Natural Resource Conservation Services recommendations. Temporary erosion protection such as mulch, hydromulch, or erosion control blanket will be applied in accordance with the requirements of the Project Storm Water Pollution Prevention Plan (SWPPP).

## **7.0 BEST MANAGEMENT PRACTICES (BMPs)**

During decommissioning, erosion and sediment control BMPs will be implemented to minimize potential for sedimentation of surface waters and waters of the state. In addition, a stormwater management strategy will be developed to minimize and control the flow of stormwater entering the site to minimize the opportunity for erosion. Because decommissioning will entail disturbance to more than one acre of soil, the Applicant will prepare a SWPPP and obtain a National Pollutant Discharge Elimination System (NPDES) permit prior to initiating soil disturbing activities. The decommissioning team will review the permitting requirements at the time of decommissioning, and obtain any other necessary permits, which may include a U.S. Army Corps of Engineers Section 404 Permit to Discharge Dredged or Fill Material. Only minor erosion and sediment control is expected.

## **8.0 PERMITTING**

All decommissioning and restoration activities will comply with federal, state, and local permit requirements, and any required permits will be obtained.

## **9.0 TIMELINE**

Decommissioning of the wind farm will be initiated within 9 months in accordance with Bowman County CUP conditions and completed within 24 months after abandonment or the end of its useful life in accordance with N.D. Admin. § 69-09-09-03 and 04.

## 10.0 DECOMMISSIONING COSTS AND FINANCIAL ASSURANCE

This cost estimate was prepared in current dollars. The estimate includes: (i) an analysis of the physical activities necessary to implement the approved reclamation plan, with physical construction and demolition costs based on applicable North Dakota Department of Transportation unit bid prices and RS Means material and labor cost indices; (ii) the level of effort or number of crews required to perform each of the activities; and (iii) an amount to cover contingencies above the calculated cost. The Estimate is shown on a total cost and on a per-turbine basis. The decommissioning plan and cost estimate will be revised periodically in accordance with NDAC Chapter 69-09-09.

Cost and quantities for the Facility are based on the Final Site Plan dated July 17, 2025.

An engineering evaluation of the current construction techniques and equipment used for decommissioning has been performed and the cost estimate has been calculated to reflect changes in productivity resulting from new techniques and equipment. Current unit prices from industry recognized sources, such as RS Means, have been used to compute the costs.

Prior to operation of the Facility, the Owner will provide financial assurance that is acceptable to the commission and is sufficient to ensure the complete decommissioning of the facility (NDAC 69-09-09-08 2.). This estimate includes project management/administration costs, dismantling and removal costs of project infrastructure, land restoration and reclamation costs, disposal cost of materials, public road restoration costs, a contingency amount, county administration costs, and crop loss costs.

The total cost of decommissioning the Facility is approximately \$17,624,728 (\$238,172 per turbine), which includes a twenty-five percent (25%) contingency on the demolition costs and public road repair. See detailed cost estimate on next page.

**Table 1: Detailed Cost Estimate**

<b>Bowman Wind Decommissioning Cost Estimate</b>				
	<b>Quantity</b>	<b>Unit</b>	<b>Unit Cost</b>	<b>Total Cost</b>
<b>Mobilization/Demobilization</b>	1	Lump Sum	\$671,000.00	\$671,000
<b>Permitting</b>				
County Permits	1	Lump Sum	\$2,000.00	\$2,000
State Permits (SWPPP, SPCC)	1	Lump Sum	\$10,000.00	\$10,000
<b>Subtotal Permits</b>				\$12,000
<b>Wind Turbine Generators</b>				
Disconnect Turbine Wiring	74	Each	\$3,142.40	\$232,538
Dismantel Turbine Tower, Hub, and Blades	74	Each	\$18,688.98	\$1,382,985
Process to Size and Load Turbine Components	17,516	Tons	\$135.02	\$2,364,996
Haul Turbine Components For Disposal (except blades)	21,428	Tons	\$20.84	\$446,605
Turbine Components Disposal (except blades)	21,428	Tons	\$81.00	\$1,735,638
Haul Fiberglass Blades For Disposal (Bismarck, ND)	3,600	Tons	\$39.68	\$142,840
Fiberglass Blades Disposal	3,600	Tons	\$81.00	\$291,578
Confirm Removal of All Turbine Residue	74	Each	\$2,174.07	\$160,881
Excavate Around Turbine Foundation	74	Each	\$27.37	\$2,025
Remove Turbine Foundation to a Depth of 4 feet and Load	3,108	Cubic Yards	\$209.58	\$651,428
Backfill Excavation Area from Turbine Foundation Removal	74	Each	\$183.52	\$13,580
Haul Concrete (Turbine Foundation)	6,294	Tons	\$20.84	\$131,190
Disposal of Concrete from Turbine Foundation	6,310	Tons	\$81.00	\$511,100
Remove and Load Transformer	74	Each	\$605.10	\$44,777
Haul Transformer to Disposal	74	Each	\$739.84	\$54,748
Remove Transformer Pad	138	Cubic Yards	\$139.24	\$19,201
Transformer Disposal (Including Oil)	2,715	Tons	\$81.00	\$219,915
Haul Concrete (Transformer Pad)	279	Tons	\$20.84	\$5,820
Disposal of Concrete from Transformer Pad	279	Tons	\$81.00	\$22,618
Decompact Wind Turbine Generator Site	74	Each	\$76.78	\$5,682
Grade Wind Turbine Generator Site	74	Each	\$966.91	\$71,551
Erosion and Sediment Control at Turbine/Transformer Site	74	Each	\$538.50	\$39,849
Till to Farmable Condition	49	Each	\$60.36	\$2,957
Revegetation at Turbine/Transformer Sites	25	Each	\$1,033.33	\$25,833
<b>Subtotal Wind Turbine Generators</b>				\$8,580,335
<b>Met Towers (Free Standing)</b>				
Disconnect Tower Wiring	2	Each	\$785.60	\$1,571
Dismantel, Disassemble, and Load Tower Components	2	Each	\$5,332.36	\$10,665
Haul Tower Components Offsite for Disposal	8.0	Tons	\$20.84	\$168
Tower Components Disposal	8.0	Tons	\$81.00	\$652
Excavate Around Tower Foundation	2	Each	\$8.21	\$16
Remove Tower Foundation to a depth of 4 feet and Load	2	Cubic Yards	\$209.58	\$340
Haul Concrete (Tower Foundation)	3.3	Tons	\$20.84	\$69
Disposal of Concrete from Met Tower	3.3	Tons	\$81.00	\$266
Remove and Load Gravel Surfacing from Met Tower Road (Incl. Access Roads)	692	Cubic Yards	\$2.80	\$1,940
Haul Gravel from Met Tower Site	1,027	Tons	\$20.84	\$21,412
Disposal of Gravel from Met Tower Site	692	Cubic Yards	\$0.00	\$0
Grade Met Tower Site - Includes Met Tower Road	2	Each	\$1,045.17	\$2,090
Erosion and Sediment Control at Met Tower Site	2	Each	\$359.00	\$718
Till to Farmable Condition	0.86	Acre	\$177.52	\$152
<b>Subtotal Met Towers (Free Standing)</b>				\$40,058

	Quantity	Unit	Unit Cost	Total Cost
<b>ADLS Towers (Free Standing)</b>				
Disconnect Tower Wiring	2	Each	\$785.60	\$1,571
Dismantel and Disassemble Tower	2	Each	\$5,332.36	\$10,665
Loadout Tower Components	8	Tons	\$135.02	\$1,080
Haul Tower Components Offsite for Disposal	8	Tons	\$20.84	\$167
Tower Components Disposal	8	Tons	\$81.00	\$648
Excavate Around Tower Foundation	2	Each	\$49.27	\$99
Remove Tower Foundation to a depth of 4 feet and Load	33	Cubic Yards	\$209.58	\$6,832
Haul Concrete (Tower Foundation)	33	Cubic Yards	\$20.84	\$679
Removal Enclosure/Skid Pad	1.7	Cubic Yards	\$139.24	\$231
Disposal of Concrete from ADLS Tower	68	Tons	\$81.00	\$5,482
Remove and Load Gravel Surfacing from ADLS Tower Site/Road (Incl. Access Roads)	192	Cubic Yards	\$2.61	\$502
Haul Gravel from ADLS Tower Site	480	Tons	\$20.84	\$9,999
Disposal of Gravel from ADLS Tower Site	192	Cubic Yards	\$3.75	\$721
Grade ADLS Tower Site - Includes ADLS Tower Road	2	Each	\$1,254.20	\$2,508
Erosion and Sediment Control at ADLS Tower Site	2	Each	\$359.00	\$718
Till to Farmable Condition	0.17	Acre	\$177.52	\$29
<b>Subtotal ADLS Towers (Free Standing)</b>				<b>\$41,932</b>
<b>Electrical Collection System (Remove at Junction Boxes)</b>				
Removal of Underground Collector System Cables (34.5 kV)	104	Each	\$400.00	\$41,600
Haul Underground Collector System Cables (34.5 kV)	7.1	Tons	\$20.84	\$148
Disposal of Removed Cables	1.6	Tons	\$81.00	\$127
Removal of Junction Box	30	Each	\$100.00	\$3,000
Erosion and Sediment Control at Junction Box Location	30	Each	\$100.00	\$3,000
Revegetation at Junction Box Location	30	Each	\$27.56	\$827
<b>Subtotal Electrical Collection System</b>				<b>\$48,701</b>
<b>Access Roads</b>				
Remove and Load Gravel Surfacing from Access Roads	44,642	Cubic Yards	\$2.80	\$125,163
Haul Gravel Removed from Access Roads	72,320	Tons	\$20.84	\$1,507,329
Disposal of Gravel Removed from Access Roads (Use as "Daily Cover")	72,320	Tons	\$0.00	\$0
Remove and Load Culvert from Beneath Access Roads	25	Each	\$448.00	\$11,200
Haul Culvert Removed from Access Roads	13	Tons	\$20.84	\$267
Disposal of Culverts	13	Tons	\$10.00	\$128
Remove Low Water Crossing from Access Roads	119	Each	\$3,400.00	\$404,600
Haul Low Water Crossing Materials Removed from Access Roads	119	Each	\$20.84	\$2,480
Disposal of Low Water Crossing Materials	119	Each	\$10.00	\$1,190
Decompact Access Road Corridor	150,667	Linear Feet	\$0.12	\$18,509
Grade Access Road Corridor	150,667	Linear Feet	\$1.55	\$233,090
Erosion and Sediment Control Along Access Roads	15,728	Linear Feet	\$3.59	\$56,464
Revegetation on Access Roads	83.0	Acres	\$3,000.80	\$249,103
<b>Subtotal Access Roads</b>				<b>\$2,609,522</b>
<b>Crane Paths</b>				
Installation of Temporary Culverts	33	Each	\$7,700.00	\$254,100
Removal of Temporary Culverts	33	Each	\$2,500.00	\$82,500
Haul Culvert Removed from Crane Paths	100	Tons	\$20.84	\$2,094
Disposal of Culverts	100	Tons	\$10.00	\$1,005
Installation and Removal of Low Water Crossing (Crane Mats)	12	Each	\$3,400.00	\$40,800
Haul Low Water Crossing Materials Removed from Path	12	Each	\$200.00	\$2,400
Decompaction of Crane Path	207,541	Linear Feet	\$0.06	\$12,748
Erosion and Sediment Control Along Crane Path	207,541	Linear Feet	\$0.54	\$111,761
Revegetation or Farm Field Restoration on Decompressed Crane Path	76	Acres	\$3,000.80	\$228,756
<b>Subtotal Crane Paths</b>				<b>\$736,164</b>

	Quantity	Unit	Unit Cost	Total Cost
<b>Substation</b>				
Disassembly and Removal of Main Power Transformer	1	Each	\$2,000.00	\$2,000
Haul Transformer Offsite for Disposal	1	Each	\$2,850.00	\$2,850
Haul Transformer Oil Offsite	12,830	Gallons	\$0.09	\$1,155
Disposal of Transformer (Including Oil)	79	Tons	\$81.00	\$6,379
Excavate Around Transformer Foundation	1	Each	\$136.85	\$137
Remove Complete Transformer Foundation	1	Each	\$1,120.00	\$1,120
Backfill Excavation Area from Transformer Foundation Removal	1	Each	\$183.52	\$184
Haul Concrete (Transformer, Switch Gear, etc. Foundations)	11	Tons	\$20.84	\$226
Disposal of Concrete from Transformer Foundation	11	Tons	\$81.00	\$877
Demolish Substation Site Improvements (fences, etc)	1	Lump Sum	\$2,500.00	\$2,500
Demolish Control Building and Foundation	1	Lump Sum	\$6,000.00	\$6,000
Remove Medium/High Voltage Equipment	1	Lump Sum	\$1,500.00	\$1,500
Remove Structural Steel Substation Frame	1	Lump Sum	\$1,000.00	\$1,000
Remove Copper Ground Grid	1	Lump Sum	\$6,446.05	\$6,446
Load Copper Wire	20,000	Feet	\$0.46	\$9,122
Haul Copper Wire for Disposal	7	Tons	\$20.84	\$136
Haul - Demolition Materials, Removed Equipment & Structural Steel for Disposal	1	Lump Sum	\$833.70	\$834
Disposal of Demolition Materials, Removed Equipment and Structural Steel	42	Tons	\$81.00	\$3,364
Remove and Load Gravel Surfacing from Substation Site	5,752	Cubic Yards	\$2.80	\$16,127
Haul Gravel Removed from Substation Site	8,542	Tons	\$20.84	\$178,033
Disposal of Gravel from Substation Site (Use as "Daily Cover")	8,542	Tons	\$0.00	\$0
Decompact Substation Site	5.35	Acres	\$222.97	\$1,192
Grade Substation Site	1	Each	\$6,446.05	\$6,446
Erosion and Sediment Control at Substation Site	1	Lump Sum	\$3,490.29	\$3,490
Topsoil and Revegetation on Substation Site	5.35	Acres	\$3,000.80	\$16,048
<b>Subtotal Substation</b>				\$267,165
<b>O&amp;M Building</b>				
Demolish O&M Building and Foundation	1	Lump Sum	\$5,000.00	\$5,000
Demolish O&M Site Improvements (fences, etc)	1	Lump Sum	\$3,000.00	\$3,000
Haul Concrete (O&M Building Foundation)	372	Cubic Yards	\$18.00	\$6,700
Crush Concrete (O&M Building Foundation)	372	Cubic Yards	\$17.00	\$6,328
Disposal of Crushed Concrete from O&M Building Foundation	372	Cubic Yards	\$10.00	\$3,720
Cap and Abandon Well	1	Lump Sum	\$1,000.00	\$1,000
Remove & Restore Septic and Drainfield area	1	Lump Sum	\$3,000.00	\$3,000
Disposal of O&M Building Demolition and Removed Site Improvements	1	Lump Sum	\$2,500.00	\$2,500
Remove and Load Gravel Surfacing of O&M Site	5,416	Cubic Yards	\$2.80	\$15,184
Haul Gravel Removed from O&M Site	5,416	Cubic Yards	\$20.84	\$112,878
Disposal of Gravel from O&M Site	5,416	Cubic Yards	\$0.00	\$0
Decompact O&M Building Site	1	Lump Sum	\$1,117.14	\$1,117
Grade O&M Building Site	1	Lump Sum	\$14,068.33	\$14,068
Erosion and Sediment Control at O&M Building Site	1	Lump Sum	\$3,374.77	\$3,375
Topsoil and Revegetation at O&M Building Site	5.0	Acres	\$3,000.80	\$15,035
<b>Subtotal O&amp;M Building</b>				\$192,905
<b>Public Roads Restoration (Chip Seal)</b>	18.0	Miles	\$50,000.00	\$900,000
<b>Total Direct Costs</b>				\$14,099,782
<b>Contingency (25%)</b>				\$3,524,946
<b>Total Cost</b>				\$17,624,728