



## Appendix I – Decommissioning Plan



# Decommissioning Plan for the Emery Farm Solar Project

Submitted to the Town of Grand Island,  
as part of the Application for Site Plan Review and Special Use

## Relevant Town Code – Article XXX, Chapter 407-165.1, Section (G):

### G. Decommissioning and abandonment.

- (1) Major solar energy systems shall have a decommissioning plan (see Appendix 1[1]) signed by the owner and/or operator of the solar energy system, which shall be submitted by the applicant, addressing the following:
  - a) The cost of removing the solar energy system.
  - b) The time required to decommission and remove the solar energy system and any ancillary structures.
  - c) The time required to repair any damage caused to the property by the installation and removal of the solar energy system.
- (2) Major solar energy systems decommissioning financial security.
  - a) The operator of the solar energy system shall provide a bond, or other form of security reasonably acceptable to the Town Attorney and/or Engineer, in an amount sufficient to ensure the good-faith performance of the terms and conditions of the permit issued pursuant hereto and to provide for the removal and restoration of the site subsequent to removal. The amount of the bond or security shall be 125% of the cost of removal of the solar energy system and restoration of the property with an escalator of 2% annually for the life of the solar energy system. The decommissioning amount shall be reduced by the amount of the estimated salvage value of the solar energy system.
  - b) In the event of default upon performance of such conditions, after proper notice and expiration of any cure periods, the cash deposit, bond, or security shall be forfeited to the Town, which shall be entitled to maintain an action thereon. The cash deposit, bond, or security shall remain in full force and effect until restoration of the property as set forth in the decommissioning plan is completed.
  - c) In the event of default or abandonment of the solar energy system, the system shall be decommissioned as set forth herein.
- (3) Upon cessation of electricity generation of a solar energy system on a continuous basis for 18 months, the Town may notify and instruct the owner and/or operator of the solar energy system to implement the decommissioning plan. The decommissioning plan must be completed within one year of notification.
- (4) If the owner and/or operator fails to comply with decommissioning upon any abandonment, the Town may, at its discretion, utilize the bond and/or security for the removal of the solar energy system and restoration of the site in accordance with the decommissioning plan

## Detailed Decommissioning Plan:

### Decommissioning and Reclamation:

Upon the expiration of the site permit, or the end of commercial operations, NYSOLAR06 will be responsible for removing solar facilities at the site to a depth of thirty-six (36) inches and to restore and reclaim the site to pre-construction topography and topsoil quality to the extent feasible. If NYSOLAR06 seeks to extend the life of the Project, NYSOLAR06 will decide whether to continue operation with existing equipment or to retrofit solar panels and power system with upgrades based on new technologies.

Decommissioning includes removing the solar panels, solar panel racking, steel foundation posts and beams, inverters, transformers, overhead and underground cables and lines, equipment pads and foundations, equipment cabinets, and ancillary equipment to a depth of thirty-six (36) inches. The civil facilities, access road, security fence, and any drainage structures are included in the decommissioning scope, unless requested by the site landowner to remain and upon approval by the Town of Grand Island. Standard decommissioning practices would be utilized, including dismantling and repurposing, salvaging/recycling, or disposing of the solar energy improvements. After all equipment is removed, any holes or voids created by poles, concrete pads and other equipment will be filled in with soil to the surrounding grade and seeded with a previously approved seed mix. All access roads and other areas compacted by equipment will be decompact to a depth of 18 inches from finished grade prior to fine grading and seeding. This may include re-vegetation as native prairie, returning the site to agricultural use consistent with the landowners' desires, or re-development of the land for other beneficial uses (upon approval of any jurisdiction and in compliance with all relevant laws).

### Timeline

Decommissioning is estimated to take three to four weeks to complete and the decommissioning crew will ensure that all equipment and materials are recycled or disposed of properly. Decommissioning and restoration activities at each site will be completed within six months after the date the site ceases to operate.

### Removal and Disposal of Site Components

The removal and disposal details of the site components are listed below:

Modules: Modules will be inspected for physical damage, tested for functionality, and disconnected and removed from racking. Functioning modules will be packed and stored in an offsite facility for reuse or resale by NYSOLAR06. Non-functioning modules will be packed, palletized and shipped to the manufacturer or a third party for recycling.

Racking: Racking and racking components will be disassembled and removed from the steel foundation posts, sorted, processed to appropriate size, and sent to a metal recycling facility.

Steel Foundation Posts: All structural foundation steel posts will be pulled out to full depth, removed, processed to appropriate size, and shipped to a recycling facility. During decommissioning the area around the foundation posts may be compacted by equipment and, if

compacted, the area will be de-compacted in a manner to adequately restore the topsoil and sub-grade material to a density consistent with native prairie or agricultural uses.

Overhead and Underground Cables and Lines: The cables and conduits contain no materials known to be harmful to the environment. As part of the decommissioning of the project, these items will be removed up to a depth of 36 inches and shipped to a recycling facility. Topsoil will be segregated and stockpiled for later use prior to any excavation and the subsurface soils will be staged next to the excavation. Following the removal of the cable and conduits the excavation will be back-filled with the spoils previously removed. The subgrade will be compacted to a density similar to native prairie or agricultural uses. Topsoil will be redistributed across the disturbed area. All cable and conduit buried deeper than 36 inches will be left in place and abandoned.

Inverters, Transformers, and Ancillary Equipment: All electrical equipment will be disconnected and disassembled. All parts will be removed from the site and reconditioned and reused, sold as scrap, recycled, or disposed of appropriately, at NYSOLAR06's sole discretion, consistent with applicable regulations and industry standards.

Equipment Pads and Ancillary Foundations: Topsoil will be removed from an area surrounding the foundation and stockpiled for later use/replacement, as applicable. Foundations will be excavated to a depth sufficient to remove all conduits, cables, aggregate and concrete to a depth of thirty-six (36) inches below grade. The remaining excavation will be filled with clean subgrade materials of quality comparable to the immediate surrounding area. All unexcavated areas compacted by equipment used in decommissioning will be decompacted in a manner to adequately restore the topsoil and sub-grade material to a density consistent and compatible with native prairie or agricultural uses. All materials will be removed from the site and reconditioned and reused, sold as scrap, recycled, or disposed of appropriately, at NYSOLAR06's sole discretion, consistent with applicable regulations and industry standards.

Fence: All fence parts and foundations will be removed from the site and reconditioned and reused, sold as scrap, recycled, or disposed of appropriately, at NYSOLAR06's sole discretion, consistent with applicable regulations and industry standards. The surrounding areas will be restored to pre-construction conditions to extent feasible.

Access Roads: Facility access roads will be used for decommissioning purposes. After final clean-up, roads may be left intact through mutual agreement of the Landowner and NYSOLAR06 unless otherwise restricted by Federal, State, or Local Regulations. If a road is to be removed, aggregate will be removed and shipped from the site to be reused, sold, or disposed of appropriately, at NYSOLAR06's sole discretion, consistent with applicable regulations and industry standards. Ditch crossings connecting access roads to public roads will be removed unless the landowner requests they remain. The subgrade will be de-compacted to a density similar to surrounding sub-grade material. Topsoil will be distributed across the open area. The access roads and adjacent areas that are compacted by equipment will be de-compacted in a

manner to adequately restore the topsoil and sub-grade material to a density consistent with native prairie or agricultural uses.

Land Leveling: As part of site decommissioning, to the extent commercially reasonable, NYSOLAR06 will restore the area disturbed by construction to pre-construction elevation and contour to extent feasible. If uneven settling occurs or surface drainage problems develop, as a result of Project decommissioning, NYSOLAR06 will provide additional land leveling services, or compensation, within 45 days of receiving a Landowner's written notice, weather permitting.

Restoration/Reclamation of Site:

NYSOLAR06 will restore and reclaim the site based upon the property use intended by the landowner after decommissioning. NYSOLAR06 assumes that most site will be utilized for agriculture after decommissioning and will implement appropriate measures to facilitate agricultural use. If no specific use is identified, NYSOLAR06 will vegetate the site with a native prairie seed mix. The goal of restoration will be to restore natural hydrology and plant communities to the greatest extent practicable while minimizing new disturbance and removal of native vegetation. The decommissioning best management practices (BMP's) to minimize erosion and contain sediment that will be employed on the Project to the extent practicable with the intent of meeting this goal include:

1. Minimize new disturbance and removal of native vegetation to the greatest extent practicable.
2. Removal of solar equipment and access roads up to three (3) feet below surrounding grade, backfill with subgrade material and cover with suitable topsoil to allow adequate root penetration for native plants, and so that subsurface structures do not substantially disrupt ground water movements.
3. Any topsoil that is removed from the surface for decommissioning will be stockpiled to be reused when restoring plant communities. Once decommissioning activity is complete, topsoil will be restored to assist in establishing and maintaining plant communities.
4. Stabilize soils and re-vegetate with native prairie plants appropriate for the soil conditions and adjacent habitat and use local seed sources where feasible, consistent with landowner objectives. Reseeding with native plants will not be performed for site that will be returned to agricultural use or other more intensive beneficial uses.
5. During and after decommissioning activities, install erosion and sediment control measures in all disturbance areas where potential for erosion and sediment transport exists, consistent with storm water management objectives and requirements.
6. Remediate any petroleum product leaks and chemical releases prior to completion of decommissioning.

Post-Restoration Monitoring

Decommissioning of the site will not require new permits or approvals except a NPDES/SDS CSW Permit and SWPPP, if grading activities are necessary and exceed applicable permit thresholds. Decommissioning should include post-restoration monitoring as required by the NPDES/SDS CSW Permit and SWPPP or other applicable requirements. In addition, the NYSOLAR06 Field Representative assigned

to decommissioning monitoring will stay in contact with landowners, including onsite check-ins until the NPDES/ SDS CSW permit is closed.

#### Decommissioning Costs

NYSOLAR06 will be responsible for all costs to decommission the project and associated facilities. Gross decommissioning costs are expected to be approximately \$206,353.54. Based on current scrap material prices, the estimated salvage value of the decommissioned components (minus solar modules) is anticipated to equal approximately \$20,600.00. The solar modules are expected to retain approximately 75-80% of their productivity at the end of the project's life, and thus will have a high value in the resale market. Assuming a conservative price of \$10/solar panel, sale of the panels would result in an additional ~\$91,650 cash influx from decommissioning (12,220 total solar panels, minus 25% breakage allowance). Therefore the resulting **decommissioning costs less the salvage value equals \$94,103.54**. A detailed breakdown of this cost estimate is attached below.

#### Decommissioning Financial Surety Plan

To ensure NYSOLAR06 can adequately fund the obligations of this plan, NYSOLAR06 will either (i) enter into a mutually acceptable agreement (the "Escrow Agreement") establishing an escrow (the "Escrow") to secure NYSOLAR06 obligations for decommissioning, or (ii) will offer a "Letter of Credit" or equivalent form of security, in either case naming the Town of Grand Island as the beneficiary. The mutually agreed upon form of security will be established prior to the installation of any physical equipment on the site, in an amount equal to the total decommissioning cost, less the estimate salvage value of the materials, times 1.25 (per Town code), plus a 2% annual escalator. Providing flexibility in the form of the escrow or security allows NYSOLAR06 to evaluate the cost of obtaining the security at the time of issuance and to move forward with the most cost effective solution for the project given market conditions. The escrow or security shall be held, administered, and disbursed by a title company, bank or other qualified escrow agent mutually satisfactory to NYSOLAR06 and the Town of Grand Island. If NYSOLAR06 does not remove the solar facilities within six (6) months after the expiration of the lease or earlier termination of the lease, the Town may draw from the Escrow or security an amount sufficient to complete the decommissioning of the site.

**Estimate Summary**  
**TETRA TECH EC, INC.**

**Job Code: Emery Solar**  
**Description: Decommissioning Estimate**

**Cost Item**

CBS Position Code	Quantity UM	Description	Days	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
1	1.00 Lump Sum	EMERY SOLAR	48.65	0.02	Detail	U.S. Dollar	185,753.54	185,753.54
1.1	1.00 Lump Sum	Mob / Demob	0.00	0.00	Detail	U.S. Dollar	21,400.00	21,400.00
1.1.1	1.00 Lump Sum	Equipment Mob	0.00	0.00	Detail	U.S. Dollar	20,300.00	20,300.00
<b>Resource Code</b>	<b>Description</b>	<b>Hours</b>	<b>Quantity UM</b>	<b>Currency</b>	<b>Unit Cost</b>	<b>Total Cost</b>		
UERNTRLG	Rental Equip Transp-Large		2.00 Each	U.S. Dollar	10,000.00	20,000.00		
UERNTRSM	Rental Equip Transp-Small		2.00 Each	U.S. Dollar	150.00	300.00		
1.1.2	1.00 Lump Sum	Site Facilities	0.00	0.00	Detail	U.S. Dollar	1,100.00	1,100.00
<b>Resource Code</b>	<b>Description</b>	<b>Hours</b>	<b>Quantity UM</b>	<b>Currency</b>	<b>Unit Cost</b>	<b>Total Cost</b>		
UOCONMOB	Connex Box Mob		1.00 Each	U.S. Dollar	300.00	300.00		
UOTRLTRN	Trailer Trnsp/Setup/Trdwn		1.00 Each	U.S. Dollar	800.00	800.00		
1.2	1.00 Month	Site Facilities	0.00	0.00	Detail	U.S. Dollar	2,005.00	2,005.00
<b>Resource Code</b>	<b>Description</b>	<b>Hours</b>	<b>Quantity UM</b>	<b>Currency</b>	<b>Unit Cost</b>	<b>Total Cost</b>		
URCONNEX	Connex Box		1.00 Month	U.S. Dollar	150.00	150.00		
UROFFTRL	Office Trailer -12x60		1.00 Month	U.S. Dollar	500.00	500.00		
UO1STAID	1st Aid Supplies		1.00 Month	U.S. Dollar	300.00	300.00		
UOOFFPHN	Monthly Office Phone		1.00 Month	U.S. Dollar	500.00	500.00		
UOOFFSUP	Office Supplies(\$/prs/mo)		1.00 Month	U.S. Dollar	55.00	55.00		
UINT	Internet		1.00 Month	U.S. Dollar	200.00	200.00		
URPRTAJH	Port-a-John Unit(s) (4)		1.00 Month	U.S. Dollar	300.00	300.00		
1.3	4.00 Week	Field Management	24.00	0.17	Detail	U.S. Dollar	8,693.16	34,772.65
<b>Resource Code</b>	<b>Description</b>	<b>Hours</b>	<b>Quantity UM</b>	<b>Currency</b>	<b>Unit Cost</b>	<b>Total Cost</b>		
L90FXX02	Field - Proj Superintendent	240.00	1.00 Each (hourly)	U.S. Dollar	83.18	19,963.68		
RPUTRK05	F-250 4X4 3/4 TON PICKUP	480.00	2.00 Each (hourly)	U.S. Dollar	11.07	5,311.20		
L90FEL00	Field - Engr. Tech	240.00	1.00 Each (hourly)	U.S. Dollar	39.57	9,497.77		
1.4	1.00 Lump Sum	Customer Owned POI Poles & Equipment	1.00	1.00	Detail	U.S. Dollar	2,092.56	2,092.56
1.4.1	1.00 Lump Sum	Equipment Removal	1.00	1.00	Detail	U.S. Dollar	1,582.56	1,582.56
<b>Resource Code</b>	<b>Description</b>	<b>Hours</b>	<b>Quantity UM</b>	<b>Currency</b>	<b>Unit Cost</b>	<b>Total Cost</b>		
L010101	OPERATOR	10.00	1.00 Each (hourly)	U.S. Dollar	48.95	489.46		
L060100	GENERAL LABORER	20.00	2.00 Each (hourly)	U.S. Dollar	38.04	760.75		
RBACKH09	Deere 710J BACKHOE, 1.62CY	10.00	1.00 Each (hourly)	U.S. Dollar	33.24	332.35		
1.4.2	0.50 Each	Trucking - Per Load	0.00	0.00	Detail	U.S. Dollar	900.00	450.00
<b>Resource Code</b>	<b>Description</b>	<b>Hours</b>	<b>Quantity UM</b>	<b>Currency</b>	<b>Unit Cost</b>	<b>Total Cost</b>		
USTRUCKING	Trucking Sub		450.00 Each	U.S. Dollar	1.00	450.00		
1.4.3	2.00 Ton	Disposal Cost	0.00	0.00	Detail	U.S. Dollar	30.00	60.00
<b>Resource Code</b>	<b>Description</b>	<b>Hours</b>	<b>Quantity UM</b>	<b>Currency</b>	<b>Unit Cost</b>	<b>Total Cost</b>		
USDISPOSAL	Disposal Fee's		60.00 Each	U.S. Dollar	1.00	60.00		
1.5	1.00 Lump Sum	Solar Array Removal	21.07	0.05	Detail	U.S. Dollar	102,855.39	102,855.39
1.5.1	4,854.00 Linear Feet	Fence Removal	0.95	5,124.80	Detail	U.S. Dollar	1.11	5,396.80
1.5.1.1	4,854.00 Linear Feet	Fence Removal	0.95	5,124.80	Detail	U.S. Dollar	0.93	4,496.80
<b>Resource Code</b>	<b>Description</b>	<b>Hours</b>	<b>Quantity UM</b>	<b>Currency</b>	<b>Unit Cost</b>	<b>Total Cost</b>		

**Cost Item**

CBS Position Code	Quantity UM	Description	Days	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
L010101	OPERATOR		28.41	3.00	Each (hourly)	U.S. Dollar	48.95	1,390.80
L060100	GENERAL LABORER		56.83	6.00	Each (hourly)	U.S. Dollar	38.04	2,161.64
RBACKH09	Deere 710J BACKHOE, 1.62CY		28.41	3.00	Each (hourly)	U.S. Dollar	33.24	944.36

1.5.1.2	1.00 Each	Trucking - Per Load		0.00	0.00	Detail	U.S. Dollar	900.00	900.00
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Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost
USTRUCKING	Trucking Sub		900.00 Each	U.S. Dollar	1.00	900.00

Notes: \*\*\*\*\*  
Assumption: 5 lbs per foot fence & posts  
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1.5.2	2.00 Each	Inverter / Transformer Removal		4.00	0.50	Detail	U.S. Dollar	4,614.67	9,229.34
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1.5.2.1	2.00 Each	Disconnect Electrical		2.00	1.00	Detail	U.S. Dollar	1,050.92	2,101.83
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Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost
L010110	ELECTRICIAN	20.00	1.00 Each (hourly)	U.S. Dollar	55.99	1,119.79
L060100	GENERAL LABORER	20.00	1.00 Each (hourly)	U.S. Dollar	38.04	760.75
RPUTRK05	F-250 4X4 3/4 TON PICKUP	20.00	1.00 Each (hourly)	U.S. Dollar	11.07	221.30

1.5.2.2	2.00 Each	Loadout Inverter & Transformer		2.00	1.00	Detail	U.S. Dollar	2,663.75	5,327.51
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Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost
L060100	GENERAL LABORER	80.00	4.00 Each (hourly)	U.S. Dollar	38.04	3,042.98
L010101	OPERATOR	20.00	1.00 Each (hourly)	U.S. Dollar	48.95	978.93
RHYDCR06	GROVE RT880 73 TON	20.00	1.00 Each (hourly)	U.S. Dollar	65.28	1,305.60

1.5.2.3	2.00 Each	Trucking - Per Load		0.00	0.00	Detail	U.S. Dollar	900.00	1,800.00
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Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost
USTRUCKING	Trucking Sub		1,800.00 Each	U.S. Dollar	1.00	1,800.00

1.5.3	2.00 Each	Remove Foundations To Subgrade		0.22	9.21	Detail	U.S. Dollar	216.20	432.39
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Notes: \*\*\*\*\*  
Assumption: Slab on grade concrete pad per inverter/  
transformer  
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1.5.3.1	16.00 Cubic Yard	Excavate / Remove Foundation		0.06	280.00	Detail	U.S. Dollar	15.05	240.82
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Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost
L060100	GENERAL LABORER	0.57	1.00 Each (hourly)	U.S. Dollar	38.04	21.74
L010101	OPERATOR	1.14	2.00 Each (hourly)	U.S. Dollar	48.95	55.94
*REXCAV06C	Excav 100K w/ Hammer	0.57	1.00 Each (hourly)	U.S. Dollar	160.97	91.98
*REXCAV06A	Excav 100K w/ Bucket & Grapple	0.57	1.00 Each (hourly)	U.S. Dollar	124.54	71.16

1.5.3.2	16.00 Cubic Yard	Concrete Transport Offsite		0.16	100.00	Detail	U.S. Dollar	11.97	191.57
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Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost
RDUTRK06	CAT D350D, 18CY-24CY	1.60	1.00 Each (hourly)	U.S. Dollar	74.29	118.86
L080940	TEAMSTER	1.60	1.00 Each (hourly)	U.S. Dollar	45.44	72.71

1.5.4	1.00 Lump Sum	Solar Panel Removal		6.95	0.14	Detail	U.S. Dollar	42,679.12	42,679.12
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1.5.4.1	12,512.00 Each	Solar Panel Removal		6.95	1,799.29	Detail	U.S. Dollar	1.66	20,779.12
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Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost
RLIFTS05	JCB 508C, 8,000lbs FRKLFT	69.54	1.00 Each (hourly)	U.S. Dollar	21.65	1,505.16
L010101	OPERATOR	69.54	1.00 Each (hourly)	U.S. Dollar	48.95	3,403.65
L060100	GENERAL LABORER	417.23	6.00 Each (hourly)	U.S. Dollar	38.04	15,870.31

Notes: \*\*\*\*\*  
Assumed production: 30 panels per laborer per hour,  
includes packaging and preparing for shipment offsite.  
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**Cost Item**

CBS Position Code	Quantity UM	Description	Days	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
1.5.4.2	14.00 Each	Trucking - Per Load	0.00	0.00	Detail	U.S. Dollar	900.00	12,600.00

Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost
USTRUCKING	Trucking Sub		12,600.00 Each	U.S. Dollar	1.00	12,600.00

Notes: \*\*\*\*\*  
Assumption: 45,000 lbs per load  
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1.5.4.3	310.00 Ton	Disposal Cost	0.00	0.00	Detail	U.S. Dollar	30.00	9,300.00
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Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost
USDISPOSAL	Disposal Fee's		9,300.00 Each	U.S. Dollar	1.00	9,300.00

Notes: \*\*\*\*\*  
Assumption: 12,512 modules x 49.6 lbs each  
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1.5.5	1.00 Lump Sum	Solar Rack (Trackers) & Post Removal	8.95	0.11	Detail	U.S. Dollar	45,117.74	45,117.74
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1.5.5.1	179.00 Each	Solar Rack (Trackers) & Post Removal	8.95	20.00	Detail	U.S. Dollar	242.00	43,317.74
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Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost
L010101	OPERATOR	179.00	2.00 Each (hourly)	U.S. Dollar	48.95	8,761.39
L060100	GENERAL LABORER	179.00	2.00 Each (hourly)	U.S. Dollar	38.04	6,808.67
*REXCAV06A	Excav 100K w/ Bucket & Grapple	89.50	1.00 Each (hourly)	U.S. Dollar	124.54	11,145.88
*REXCAV06E	Excav 100K w/ Shear	89.50	1.00 Each (hourly)	U.S. Dollar	185.50	16,601.80

Notes: \*\*\*\*\*  
Assumed production: .5 hour per rack per crew. Crew to include 1 excavator w/shear, 1 excavator w/grapple, 2 operators and 2 laborers. Includes post removal and sizing of steel for sale as scrap, and loadout to haul trucks.  
Quantity assumption: 70 modules per rack assembly  
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1.5.5.2	2.00 Each	Trucking - Per Load	0.00	0.00	Detail	U.S. Dollar	900.00	1,800.00
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Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost
USTRUCKING	Trucking Sub		1,800.00 Each	U.S. Dollar	1.00	1,800.00

Notes: \*\*\*\*\*  
Assumption: 45,000 lbs per load  
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1.6	1.00 Lump Sum	Site Restoration - Partial Site Seeding	2.58	0.39	Detail	U.S. Dollar	7,767.59	7,767.59
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1.6.1	833.00 Cubic Yard	Restore Roads, Remove Base & Surface Course.	1.18	703.75	Detail	U.S. Dollar	3.32	2,765.65
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Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost
*RDOZER08	CAT D6 LGP Dozer	11.84	1.00 Each (hourly)	U.S. Dollar	58.34	690.49
L010101	OPERATOR	23.67	2.00 Each (hourly)	U.S. Dollar	48.95	1,158.71
*RFELWH08C	CAT 980 LOADER	11.84	1.00 Each (hourly)	U.S. Dollar	77.43	916.45

Notes: \*\*\*\*\*  
Assumption: 2,250' of road x 20' width x .5' depth  
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1.6.2	7.00 Acre	Spot Grade Disturbed Areas	1.40	5.00	Detail	U.S. Dollar	214.56	1,501.94
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Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost
*RDOZER08	CAT D6 LGP Dozer	14.00	1.00 Each (hourly)	U.S. Dollar	58.34	816.69
L010101	OPERATOR	14.00	1.00 Each (hourly)	U.S. Dollar	48.95	685.25

Notes: \*\*\*\*\*  
Assumption: 25% of project footprint  
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1.6.3	7.00 Acre	Re-Seed With Native Vegetation - Roads & Areas Disturbed By Construction	0.00	0.00	Detail	U.S. Dollar	500.00	3,500.00
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**Cost Item**

CBS Position Code	Quantity UM	Description	Days	Cost UM/Day	Source	Currency	Unit Cost	Total Cost
<b>Resource Code</b>	<b>Description</b>	<b>Hours</b>	<b>Quantity UM</b>	<b>Currency</b>	<b>Unit Cost</b>	<b>Total Cost</b>		
USLANDSCAPE	Landscape Sub		7.00 Acre	U.S. Dollar	500.00	3,500.00		
<b>Notes: *****</b>								
Assumption: 25% of project footprint								
<b>*****</b>								
1.7	1.00 Lump Sum	Home Office, Project Management (5% Of Cost)	0.00	0.00 Detail	U.S. Dollar	8,544.65	8,544.65	
<b>Resource Code</b>	<b>Description</b>	<b>Hours</b>	<b>Quantity UM</b>	<b>Currency</b>	<b>Unit Cost</b>	<b>Total Cost</b>		
USMARKUP5	5% Markup		170,893.00 Each	U.S. Dollar	0.05	8,544.65		
1.8	1.00 Lump Sum	Contractor OH & Fee (15% Of Cost)	0.00	0.00 Detail	U.S. Dollar	26,915.70	26,915.70	
<b>Resource Code</b>	<b>Description</b>	<b>Hours</b>	<b>Quantity UM</b>	<b>Currency</b>	<b>Unit Cost</b>	<b>Total Cost</b>		
USMARKUP	15% Markup		179,438.00 Each	U.S. Dollar	0.15	26,915.70		
1.9	1.00 Lump Sum	Scrap Credit	0.00	0.00 Detail	U.S. Dollar	(20,600.00)	(20,600.00)	
1.9.1	12.00 Ton	Scrap Credit - Fence	0.00	0.00 Detail	U.S. Dollar	(200.00)	(2,400.00)	
<b>Resource Code</b>	<b>Description</b>	<b>Hours</b>	<b>Quantity UM</b>	<b>Currency</b>	<b>Unit Cost</b>	<b>Total Cost</b>		
UODCFERROUS	Ferrous Metal Scrap		12.00 Ton	U.S. Dollar	(200.00)	(2,400.00)		
1.9.2	46.00 Ton	Scrap Credit - Inverters & Transformers	0.00	0.00 Detail	U.S. Dollar	(200.00)	(9,200.00)	
<b>Resource Code</b>	<b>Description</b>	<b>Hours</b>	<b>Quantity UM</b>	<b>Currency</b>	<b>Unit Cost</b>	<b>Total Cost</b>		
UODCFERROUS	Ferrous Metal Scrap		46.00 Ton	U.S. Dollar	(200.00)	(9,200.00)		
1.9.3	45.00 Ton	Scrap Credit - Solar Rack	0.00	0.00 Detail	U.S. Dollar	(200.00)	(9,000.00)	
<b>Resource Code</b>	<b>Description</b>	<b>Hours</b>	<b>Quantity UM</b>	<b>Currency</b>	<b>Unit Cost</b>	<b>Total Cost</b>		
UODCFERROUS	Ferrous Metal Scrap		45.00 Ton	U.S. Dollar	(200.00)	(9,000.00)		
<b>Report Total:</b>			48.65			185,753.54		

Category	Total
Labor	77,004.89
Rented Equipment	41,023.29
Supplies	355.00
Subcontract	86,170.35
ODCs	1,800.00
Other Costs	(20,600.00)