

**ATTACHMENT C: DECOMMISSIONING SUMMARY AND ESTIMATE**

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**Attachment C. Decommissioning Summary and Estimate  
Badger Mountain Solar Energy Project**

CBS Code	Description	Forecast (T/O) Quantity	Unit of Measure	Unit Cost	Total Cost (Forecast)
<b>1</b>	<b>BADGER SOLAR RETIREMENT</b>	<b>1.00</b>	<b>Lump Sum</b>	<b>\$6,809,657.54</b>	<b>\$6,809,657.54</b>
<b>1.1</b>	<b>Equipment &amp; Facilities Mob / Demob</b>	<b>1.00</b>	<b>Lump Sum</b>	<b>\$123,728.59</b>	<b>\$123,728.59</b>
1.1.1	Equipment Mob	1.00	Lump Sum	\$61,200.00	\$61,200.00
1.1.2	Site Facilities	1.00	Lump Sum	\$2,200.00	\$2,200.00
1.1.3	Crew Mob & Site Setup	3.00	Day	\$12,065.72	\$36,197.15
1.1.4	Crew Demob & Site Cleanup	2.00	Day	\$12,065.72	\$24,131.44
<b>1.2</b>	<b>Project Site Support</b>	<b>1.00</b>	<b>Lump Sum</b>	<b>\$386,765.98</b>	<b>\$386,765.98</b>
1.2.1	Site Facilities	7.00	Month	\$1,305.00	\$9,135.00
1.2.2	Field Management	7.00	Month	\$53,947.28	\$377,630.98
<b>1.3</b>	<b>O&amp;M Building Removal</b>	<b>1.00</b>	<b>Lump Sum</b>	<b>\$24,646.40</b>	<b>\$24,646.40</b>
1.3.1	Structure Demo	40.00	Ton	\$242.00	\$9,679.94
1.3.2	Remove Foundations To Subgrade	320.00	Cubic Yard	\$34.43	\$11,016.46
1.3.3	Trucking - Per Load	2.00	Each	\$1,375.00	\$2,750.00
1.3.4	Disposal Cost	40.00	Ton	\$30.00	\$1,200.00
<b>1.4</b>	<b>Substation &amp; T-Line Retirement</b>	<b>1.00</b>	<b>Lump Sum</b>	<b>\$622,079.24</b>	<b>\$622,079.24</b>
1.4.1	Substation Retirement	1.00	Lump Sum	\$175,469.18	\$175,469.18
1.4.2	Transmission Line Retirement	1.00	Lump Sum	\$446,610.06	\$446,610.06
<b>1.5</b>	<b>DC Storage Retirement</b>	<b>1.00</b>	<b>Lump Sum</b>	<b>\$602,244.32</b>	<b>\$602,244.32</b>
1.5.1	Battery Removal & Disposal	200.00	MW	\$2,072.56	\$414,511.28
1.5.2	Structure & Components Removal	200.00	MW	\$938.67	\$187,733.04
<b>1.6</b>	<b>Solar Array Retirement</b>	<b>1.00</b>	<b>Lump Sum</b>	<b>\$6,091,938.80</b>	<b>\$6,091,938.80</b>
1.6.1	Fence Removal	79,200.00	Linear Feet	\$1.19	\$94,413.69
1.6.2	Inverter / Transformer Removal	85.00	Each	\$5,089.67	\$432,621.87
1.6.3	Remove Foundations To Subgrade	85.00	Each	\$405.37	\$34,456.23
1.6.4	Solar Panel Removal & Disposal	626,332.00	Each	\$5.55	\$3,476,867.92
1.6.5	Solar Rack (Trackers) & Post Removal	1.00	Lump Sum	\$2,053,579.10	\$2,053,579.10
<b>1.7</b>	<b>Site Restoration - Partial Site Seeding</b>	<b>1.00</b>	<b>Lump Sum</b>	<b>\$322,939.25</b>	<b>\$322,939.25</b>
1.7.1	Decompact Roads	84,480.00	Linear Feet	\$0.86	\$72,504.99
1.7.2	Spot Grade Disturbed Areas	326.00	Acre	\$268.20	\$87,434.26
1.7.3	Re-Seed With Native Vegetation - Roads & Areas Disturbed By Construction	326.00	Acre	\$500.00	\$163,000.00
<b>1.8</b>	<b>Contractor Markups</b>	<b>1.00</b>	<b>Lump Sum</b>	<b>\$1,524,514.95</b>	<b>\$1,524,514.95</b>
1.8.1	Home Office, Project Management (5% Of Cost)	1.00	Lump Sum	\$408,717.15	\$408,717.15
1.8.2	Contractor OH & Fee (13% Of Cost)	1.00	Lump Sum	\$1,115,797.80	\$1,115,797.80
<b>1.9</b>	<b>Scrap Metal Credit</b>	<b>1.00</b>	<b>Lump Sum</b>	<b>-\$2,889,200.00</b>	<b>-\$2,889,200.00</b>
1.9.1	Scrap Credit - Substation	90.00	Ton	-\$400.00	-\$36,000.00
1.9.2	Scrap Credit - T-Line Structures	441.00	Ton	-\$400.00	-\$176,400.00
1.9.3	Scrap Credit - Fence	317.00	Ton	-\$400.00	-\$126,800.00
1.9.4	Scrap Credit - Inverter / Transformer	1,700.00	Ton	-\$400.00	-\$680,000.00
1.9.5	Scrap Credit - Module Rack	3,819.00	Ton	-\$400.00	-\$1,527,600.00
1.9.6	Scrap Credit - DC Storage Components & Structures	856.00	Ton	-\$400.00	-\$342,400.00

Note:

1. The cost breakdown structure (CBS) code corresponds with the CBS position code for details provided in the following decommissioning estimate.

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

**Job Code: Badger 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	BADGER SOLAR RETIREMENT	846.03	0.00	Detail	U.S. Dollar	6,809,657.54	6,809,657.54
1.1	1.00 Lump Sum	Equipment & Facilities Mob / Demob	5.00	0.20	Detail	U.S. Dollar	123,728.59	123,728.59
1.1.1	1.00 Lump Sum	Equipment Mob	0.00	0.00	Detail	U.S. Dollar	61,200.00	61,200.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
UERNTRLG	Rental Equip Transp-Large	6.00	Each	U.S. Dollar	10,000.00	60,000.00		
UERNTRSM	Rental Equip Transp-Small	8.00	Each	U.S. Dollar	150.00	1,200.00		
1.1.2	1.00 Lump Sum	Site Facilities	0.00	0.00	Detail	U.S. Dollar	2,200.00	2,200.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
UOCONMOB	Connex Box Mob	2.00	Each	U.S. Dollar	300.00	600.00		
UOTRLTRN	Trailer Trnsp/Setup/Trdwn	2.00	Each	U.S. Dollar	800.00	1,600.00		
1.1.3	3.00 Day	Crew Mob & Site Setup	3.00	1.00	Detail	U.S. Dollar	12,065.72	36,197.15
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	720.00	24.00 Each (hourly)	U.S. Dollar	38.04	27,386.82		
L010101	OPERATOR	180.00	6.00 Each (hourly)	U.S. Dollar	48.95	8,810.33		
1.1.4	2.00 Day	Crew Demob & Site Cleanup	2.00	1.00	Detail	U.S. Dollar	12,065.72	24,131.44
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	480.00	24.00 Each (hourly)	U.S. Dollar	38.04	18,257.88		
L010101	OPERATOR	120.00	6.00 Each (hourly)	U.S. Dollar	48.95	5,873.56		
1.2	1.00 Lump Sum	Project Site Support	154.00	0.01	Detail	U.S. Dollar	386,765.98	386,765.98
1.2.1	7.00 Month	Site Facilities	0.00	0.00	Detail	U.S. Dollar	1,305.00	9,135.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
URCONNEX	Connex Box	7.00	Month	U.S. Dollar	150.00	1,050.00		
UROFFTRL	Office Trailer -12x60	7.00	Month	U.S. Dollar	500.00	3,500.00		
UO1STAI	1st Aid Supplies	7.00	Month	U.S. Dollar	300.00	2,100.00		
UOOFFSUP	Office Supplies(\$/prs/mo)	7.00	Month	U.S. Dollar	55.00	385.00		
URPRTAJH	Port-a-John Unit(s) (4)	7.00	Month	U.S. Dollar	300.00	2,100.00		
1.2.2	7.00 Month	Field Management	154.00	0.05	Detail	U.S. Dollar	53,947.28	377,630.98
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L90FXX02	Field - Proj Superintendent	1,540.00	1.00 Each (hourly)	U.S. Dollar	83.18	128,100.28		
RPUTRK05	F-250 4X4 3/4 TON PICKUP	4,620.00	3.00 Each (hourly)	U.S. Dollar	11.07	51,120.30		
L90FEL00	Field - Engr. Tech	1,540.00	1.00 Each (hourly)	U.S. Dollar	39.57	60,944.00		
L90FXX03	Field - SHSO	1,540.00	1.00 Each (hourly)	U.S. Dollar	89.26	137,466.41		
1.3	1.00 Lump Sum	O&M Building Removal	6.48	0.15	Detail	U.S. Dollar	24,646.40	24,646.40
1.3.1	40.00 Ton	Structure Demo	2.00	20.00	Detail	U.S. Dollar	242.00	9,679.94
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		
*REXCAV06E	Excav 100K w/ Shear	20.00	1.00 Each (hourly)	U.S. Dollar	185.50	3,709.90		
L010101	OPERATOR	40.00	2.00 Each (hourly)	U.S. Dollar	48.95	1,957.85		
L060100	GENERAL LABORER	40.00	2.00 Each (hourly)	U.S. Dollar	38.04	1,521.49		
1.3.2	320.00 Cubic Yard	Remove Foundations To Subgrade	4.48	71.43	Detail	U.S. Dollar	34.43	11,016.46

Cost Item								
CBS Position Code	Quantity UM	Description	Days	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
1.3.2.1	320.00 Cubic Yard	Excavate / Remove Foundation - Various Depth	1.28	250.00	Detail	U.S. Dollar	16.86	5,394.30
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	12.80	1.00 Each (hourly)	U.S. Dollar	38.04	486.88		
L010101	OPERATOR	25.60	2.00 Each (hourly)	U.S. Dollar	48.95	1,253.03		
*REXCAV06C	Excav 100K w/ Hammer	12.80	1.00 Each (hourly)	U.S. Dollar	160.97	2,060.35		
*REXCAV06A	Excav 100K w/ Bucket & Grapple	12.80	1.00 Each (hourly)	U.S. Dollar	124.54	1,594.05		
1.3.2.2	320.00 Cubic Yard	Concrete Transport Offsite	3.20	100.00	Detail	U.S. Dollar	17.57	5,622.16
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
RDUTRK06	CAT D350D, 18CY-24CY	32.00	1.00 Each (hourly)	U.S. Dollar	74.29	2,377.28		
L080940	TEAMSTER	32.00	1.00 Each (hourly)	U.S. Dollar	45.44	1,454.22		
L010101	OPERATOR	16.00	0.50 Each (hourly)	U.S. Dollar	48.95	783.14		
RFELWH09	CAT 966F LOADER, 4.25CY	16.00	0.50 Each (hourly)	U.S. Dollar	62.97	1,007.52		
1.3.3	2.00 Each	Trucking - Per Load	0.00	0.00	Detail	U.S. Dollar	1,375.00	2,750.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USTRUCKING	Trucking Sub		2,750.00 Each	U.S. Dollar	1.00	2,750.00		
Notes: ***** Assumption: 45,000 lbs per load *****								
1.3.4	40.00 Ton	Disposal Cost	0.00	0.00	Detail	U.S. Dollar	30.00	1,200.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USDISPOSAL	Disposal Fee's		1,200.00 Each	U.S. Dollar	1.00	1,200.00		
Notes: ***** Assumption: 324,016 modules x 60.63 lbs each *****								
1.4	1.00 Lump Sum	Substation & T-Line Retirement	124.01	0.01	Detail	U.S. Dollar	622,079.24	622,079.24
1.4.1	1.00 Lump Sum	Substation Retirement	24.95	0.04	Detail	U.S. Dollar	175,469.18	175,469.18
1.4.1.1	1.00 Day	Fence Removal	1.00	1.00	Detail	U.S. Dollar	1,202.19	1,202.19
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L010101	OPERATOR	10.00	1.00 Each (hourly)	U.S. Dollar	48.95	489.46		
L060100	GENERAL LABORER	10.00	1.00 Each (hourly)	U.S. Dollar	38.04	380.37		
RBACKH09	Deere 710J BACKHOE, 1.62CY	10.00	1.00 Each (hourly)	U.S. Dollar	33.24	332.35		
1.4.1.2	1.00 Each	Transformer Removal	6.00	0.17	Detail	U.S. Dollar	91,639.33	91,639.33
1.4.1.2.1	1.00 Each	Oil Removal & Disposal	1.00	1.00	Detail	U.S. Dollar	58,135.75	58,135.75
1.4.1.2.1.1	1.00 Each	Oil Removal	1.00	1.00	Detail	U.S. Dollar	760.75	760.75
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	20.00	2.00 Each (hourly)	U.S. Dollar	38.04	760.75		
1.4.1.2.1.2	14,000.00 Gallon	Oil Disposal	0.00	0.00	Detail	U.S. Dollar	4.00	56,000.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USDISPOSAL	Disposal Fee's		56,000.00 Each	U.S. Dollar	1.00	56,000.00		
1.4.1.2.1.3	1.00 Each	Trucking - Per Load	0.00	0.00	Detail	U.S. Dollar	1,375.00	1,375.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		

Cost Item								
CBS Position Code	Quantity UM	Description	Days	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
USTRUCKING	Trucking Sub		1,375.00	Each	U.S. Dollar		1.00	1,375.00
1.4.1.2.2	1.00 Each	Dismantle & Loadout Transformer	5.00	0.20	Detail	U.S. Dollar	33,503.58	33,503.58
1.4.1.2.2.1	1.00 Each	Dismantle, Cut & Size	5.00	0.20	Detail	U.S. Dollar	28,003.58	28,003.58
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	200.00	4.00 Each (hourly)	U.S. Dollar	38.04	7,607.45		
L010101	OPERATOR	100.00	2.00 Each (hourly)	U.S. Dollar	48.95	4,894.63		
*REXCAV06A	Excav 100K w/ Bucket & Grapple	50.00	1.00 Each (hourly)	U.S. Dollar	124.54	6,226.75		
*REXCAV06E	Excav 100K w/ Shear	50.00	1.00 Each (hourly)	U.S. Dollar	185.50	9,274.75		
1.4.1.2.2.2	4.00 Each	Trucking - Per Load	0.00	0.00	Detail	U.S. Dollar	1,375.00	5,500.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USTRUCKING	Trucking Sub		5,500.00	Each	U.S. Dollar	1.00	5,500.00	
1.4.1.3	1.00 Each	Remove Control Building	0.50	2.00	Detail	U.S. Dollar	2,432.59	2,432.59
1.4.1.3.1	1.00 Each	Demo	0.50	2.00	Detail	U.S. Dollar	1,057.59	1,057.59
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	5.00	1.00 Each (hourly)	U.S. Dollar	38.04	190.19		
L010101	OPERATOR	5.00	1.00 Each (hourly)	U.S. Dollar	48.95	244.73		
*REXCAV06A	Excav 100K w/ Bucket & Grapple	5.00	1.00 Each (hourly)	U.S. Dollar	124.54	622.68		
1.4.1.3.2	1.00 Each	Trucking - Per Load	0.00	0.00	Detail	U.S. Dollar	1,375.00	1,375.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USTRUCKING	Trucking Sub		1,375.00	Each	U.S. Dollar	1.00	1,375.00	
1.4.1.4	2.00 Day	UG Utility & Ground Removal	2.00	1.00	Detail	U.S. Dollar	1,202.19	2,404.37
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L010101	OPERATOR	20.00	1.00 Each (hourly)	U.S. Dollar	48.95	978.93		
L060100	GENERAL LABORER	20.00	1.00 Each (hourly)	U.S. Dollar	38.04	760.75		
RBACKH09	Deere 710J BACKHOE, 1.62CY	20.00	1.00 Each (hourly)	U.S. Dollar	33.24	664.70		
1.4.1.5	500.00 Cubic Yard	Remove Foundations To Subgrade	6.79	73.68	Detail	U.S. Dollar	27.02	13,512.25
1.4.1.5.1	500.00 Cubic Yard	Excavate / Remove Foundation - Various Depth	1.79	280.00	Detail	U.S. Dollar	15.05	7,525.53
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	17.86	1.00 Each (hourly)	U.S. Dollar	38.04	679.24		
L010101	OPERATOR	35.71	2.00 Each (hourly)	U.S. Dollar	48.95	1,748.08		
*REXCAV06C	Excav 100K w/ Hammer	17.86	1.00 Each (hourly)	U.S. Dollar	160.97	2,874.38		
*REXCAV06A	Excav 100K w/ Bucket & Grapple	17.86	1.00 Each (hourly)	U.S. Dollar	124.54	2,223.84		
1.4.1.5.2	500.00 Cubic Yard	Concrete Transport Offsite	5.00	100.00	Detail	U.S. Dollar	11.97	5,986.72
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
RDUTRK06	CAT D350D, 18CY-24CY	50.00	1.00 Each (hourly)	U.S. Dollar	74.29	3,714.50		
L080940	TEAMSTER	50.00	1.00 Each (hourly)	U.S. Dollar	45.44	2,272.22		
1.4.1.6	1.00 Lump Sum	Misc. Material Disposal	0.00	0.00	Detail	U.S. Dollar	1,675.00	1,675.00
1.4.1.6.1	1.00 Each	Trucking - Per Load	0.00	0.00	Detail	U.S. Dollar	1,375.00	1,375.00

Cost Item								
CBS Position Code	Quantity UM	Description	Days	Cost UM/Day	Source	Currency	Unit Cost	Total Cost
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USTRUCKING	Trucking Sub		1,375.00 Each	U.S. Dollar	1.00	1,375.00		
1.4.1.6.2	10.00 Ton	Disposal Cost	0.00	0.00 Detail	U.S. Dollar	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		
1.4.1.7	1.00 Lump Sum	Restore Yard	8.67	0.12 Detail	U.S. Dollar	62,603.46	62,603.46	
1.4.1.7.1	4.00 Acre	Backfill / Regrade	2.00	2.00 Detail	U.S. Dollar	1,540.15	6,160.62	
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	40.00	2.00 Each (hourly)	U.S. Dollar	38.04	1,521.49		
L010101	OPERATOR	40.00	2.00 Each (hourly)	U.S. Dollar	48.95	1,957.85		
REXCAV06B	Gradall - Excavator	20.00	1.00 Each (hourly)	U.S. Dollar	75.73	1,514.57		
*RDOZER08	CAT D6 LGP Dozer	20.00	1.00 Each (hourly)	U.S. Dollar	58.34	1,166.70		
1.4.1.7.2	2,000.00 Cubic Yard	Vegetative Cover	6.67	300.00 Detail	U.S. Dollar	27.22	54,442.84	
1.4.1.7.2.1	2,000.00 Cubic Yard	Topsoil, Delivered	0.00	0.00 Detail	U.S. Dollar	20.00	40,000.00	
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
IMSOIL	Topsoil		2,000.00 Cubic Yard	U.S. Dollar	20.00	40,000.00		
1.4.1.7.2.2	2,000.00 Cubic Yard	Placement	6.67	300.00 Detail	U.S. Dollar	7.22	14,442.84	
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L010101	OPERATOR	133.33	2.00 Each (hourly)	U.S. Dollar	48.95	6,526.17		
RDOZER08	CAT D6N XL	133.33	2.00 Each (hourly)	U.S. Dollar	59.38	7,916.67		
1.4.1.7.3	4.00 Acre	Re-Seed With Native Vegetation	0.00	0.00 Detail	U.S. Dollar	500.00	2,000.00	
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USLANDSCAPE	Landscape Sub		4.00 Acre	U.S. Dollar	500.00	2,000.00		
1.4.2	1.00 Lump Sum	Transmission Line Retirement	99.05	0.01 Detail	U.S. Dollar	446,610.06	446,610.06	
1.4.2.1	49.00 Each	Structure Removal	49.00	1.00 Detail	U.S. Dollar	4,494.05	220,208.25	
1.4.2.1.1	49.00 Each	Cut / Lower Structure	24.50	2.00 Detail	U.S. Dollar	1,727.63	84,653.70	
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	980.00	4.00 Each (hourly)	U.S. Dollar	38.04	37,276.51		
L010101	OPERATOR	245.00	1.00 Each (hourly)	U.S. Dollar	48.95	11,991.84		
*RXMISC14	MAN LIFT GAS 125ft	245.00	1.00 Each (hourly)	U.S. Dollar	53.52	13,112.40		
*RXMISC23	GROVE RT 200 TON	245.00	1.00 Each (hourly)	U.S. Dollar	90.91	22,272.95		
1.4.2.1.2	49.00 Each	Cut / Size Structure & Loadout	24.50	2.00 Detail	U.S. Dollar	1,840.40	90,179.55	
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	1,470.00	6.00 Each (hourly)	U.S. Dollar	38.04	55,914.76		
L010101	OPERATOR	245.00	1.00 Each (hourly)	U.S. Dollar	48.95	11,991.84		
*RXMISC23	GROVE RT 200 TON	245.00	1.00 Each (hourly)	U.S. Dollar	90.91	22,272.95		
1.4.2.1.3	33.00 Each	Trucking - Per Load	0.00	0.00 Detail	U.S. Dollar	1,375.00	45,375.00	

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		45,375.00 Each	U.S. Dollar	1.00	45,375.00		
Notes: ***** Assume 9 ton per steel structure and cable span *****								
1.4.2.2	49.00 Each	Remove Foundations To Subgrade	50.05	0.98 Detail	U.S. Dollar	4,620.45	226,401.81	
1.4.2.2.1	49.00 Each	Excavate / Remove Foundation - Various Depth	49.00	1.00 Detail	U.S. Dollar	4,594.67	225,138.88	
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	980.00	2.00 Each (hourly)	U.S. Dollar	38.04	37,276.51		
L010101	OPERATOR	980.00	2.00 Each (hourly)	U.S. Dollar	48.95	47,967.37		
*REXCAV06C	Excav 100K w/ Hammer	490.00	1.00 Each (hourly)	U.S. Dollar	160.97	78,872.85		
*REXCAV06A	Excav 100K w/ Bucket & Grapple	490.00	1.00 Each (hourly)	U.S. Dollar	124.54	61,022.15		
1.4.2.2.2	79.11 Cubic Yard	Concrete Transport Offsite	1.05	75.00 Detail	U.S. Dollar	15.96	1,262.93	
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
RDUTRK06	CAT D350D, 18CY-24CY	10.55	1.00 Each (hourly)	U.S. Dollar	74.29	783.60		
L080940	TEAMSTER	10.55	1.00 Each (hourly)	U.S. Dollar	45.44	479.34		
1.5	1.00 Lump Sum	DC Storage Retirement	101.75	0.01 Detail	U.S. Dollar	602,244.32	602,244.32	
1.5.1	200.00 MW	Battery Removal & Disposal	82.00	2.44 Detail	U.S. Dollar	2,072.56	414,511.28	
1.5.1.1	82.00 Day	Remove Batteries, Load For Transport	82.00	1.00 Detail	U.S. Dollar	1,737.94	142,511.08	
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
L060100	GENERAL LABORER	3,280.00	4.00 Each (hourly)	U.S. Dollar	38.04	124,762.18		
RLIFTS05	JCB 508C, 8,000lbs FRKLFT	820.00	1.00 Each (hourly)	U.S. Dollar	21.65	17,748.90		
1.5.1.2	67.00 Each	Transport Batteries	0.00	0.00 Detail	U.S. Dollar	1,480.60	99,200.20	
1.5.1.2.1	67.00 Each	Roll Off Liners	0.00	0.00 Detail	U.S. Dollar	105.60	7,075.20	
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
UODCLINER	Rolloff Liner		67.00 Each	U.S. Dollar	105.60	7,075.20		
1.5.1.2.2	67.00 Each	Trucking - Per Load	0.00	0.00 Detail	U.S. Dollar	1,375.00	92,125.00	
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USTRUCKING	Trucking Sub		92,125.00 Each	U.S. Dollar	1.00	92,125.00		
1.5.1.3	864.00 Ton	Disposal Fee's	0.00	0.00 Detail	U.S. Dollar	200.00	172,800.00	
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
USDISPOSAL	Disposal Fee's		172,800.00 Each	U.S. Dollar	1.00	172,800.00		
1.5.2	200.00 MW	Structure & Components Removal	19.75	10.12 Detail	U.S. Dollar	938.67	187,733.04	
1.5.2.1	856.00 Ton	Structure Demo	19.75	43.33 Detail	U.S. Dollar	111.69	95,608.04	
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		
*REXCAV06A	Excav 100K w/ Bucket & Grapple	197.54	1.00 Each (hourly)	U.S. Dollar	124.54	24,600.45		
*REXCAV06E	Excav 100K w/ Shear	197.54	1.00 Each (hourly)	U.S. Dollar	185.50	36,642.40		
L010101	OPERATOR	395.08	2.00 Each (hourly)	U.S. Dollar	48.95	19,337.55		
L060100	GENERAL LABORER	395.08	2.00 Each (hourly)	U.S. Dollar	38.04	15,027.64		
1.5.2.2	67.00 Each	Trucking - Per Load	0.00	0.00 Detail	U.S. Dollar	1,375.00	92,125.00	
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost		



Cost Item								
CBS Position Code	Quantity UM	Description	Days	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
USTRUCKING	Trucking Sub		92,125.00	Each	U.S. Dollar		1.00	92,125.00
1.6	1.00 Lump Sum	Solar Array Retirement	380.24	0.00	Detail	U.S. Dollar	6,091,938.80	6,091,938.80
1.6.1	79,200.00 Linear Feet	Fence Removal	15.45	5,124.80	Detail	U.S. Dollar	1.19	94,413.69
1.6.1.1	79,200.00 Linear Feet	Fence Removal	15.45	5,124.80	Detail	U.S. Dollar	0.93	73,371.80
Resource Code	Description	Hours	Quantity UM		Currency		Unit Cost	Total Cost
L010101	OPERATOR	463.63	3.00	Each (hourly)	U.S. Dollar		48.95	22,692.87
L060100	GENERAL LABORER	927.26	6.00	Each (hourly)	U.S. Dollar		38.04	35,270.26
RBACKH09	Deere 710J BACKHOE, 1.62CY	463.63	3.00	Each (hourly)	U.S. Dollar		33.24	15,408.67
1.6.1.2	15.30 Each	Trucking - Per Load	0.00	0.00	Detail	U.S. Dollar	1,375.00	21,041.90
Resource Code	Description	Hours	Quantity UM		Currency		Unit Cost	Total Cost
USTRUCKING	Trucking Sub		21,041.90	Each	U.S. Dollar		1.00	21,041.90
1.6.2	85.00 Each	Inverter / Transformer Removal	170.00	0.50	Detail	U.S. Dollar	5,089.67	432,621.87
1.6.2.1	85.00 Each	Disconnect Electrical	85.00	1.00	Detail	U.S. Dollar	1,050.92	89,327.86
Resource Code	Description	Hours	Quantity UM		Currency		Unit Cost	Total Cost
L010110	ELECTRICIAN	850.00	1.00	Each (hourly)	U.S. Dollar		55.99	47,590.95
L060100	GENERAL LABORER	850.00	1.00	Each (hourly)	U.S. Dollar		38.04	32,331.66
RPUTRK05	F-250 4X4 3/4 TON PICKUP	850.00	1.00	Each (hourly)	U.S. Dollar		11.07	9,405.25
1.6.2.2	85.00 Each	Loadout Inverter & Transformer	85.00	1.00	Detail	U.S. Dollar	2,663.75	226,419.01
Resource Code	Description	Hours	Quantity UM		Currency		Unit Cost	Total Cost
L060100	GENERAL LABORER	3,400.00	4.00	Each (hourly)	U.S. Dollar		38.04	129,326.65
L010101	OPERATOR	850.00	1.00	Each (hourly)	U.S. Dollar		48.95	41,604.36
RHYDCR06	GROVE RT880 73 TON	850.00	1.00	Each (hourly)	U.S. Dollar		65.28	55,488.00
1.6.2.3	85.00 Each	Trucking - Per Load	0.00	0.00	Detail	U.S. Dollar	1,375.00	116,875.00
Resource Code	Description	Hours	Quantity UM		Currency		Unit Cost	Total Cost
USTRUCKING	Trucking Sub		116,875.00	Each	U.S. Dollar		1.00	116,875.00
1.6.3	85.00 Each	Remove Foundations To Subgrade	17.30	4.91	Detail	U.S. Dollar	405.37	34,456.23
<b>Notes:</b> ***** Assumption: 10.5 x37x1 concrete pad per inverter/ transformer *****								
1.6.3.1	1,275.00 Cubic Yard	Excavate / Remove Foundation	4.55	280.00	Detail	U.S. Dollar	15.05	19,190.11
Resource Code	Description	Hours	Quantity UM		Currency		Unit Cost	Total Cost
L060100	GENERAL LABORER	45.54	1.00	Each (hourly)	U.S. Dollar		38.04	1,732.05
L010101	OPERATOR	91.07	2.00	Each (hourly)	U.S. Dollar		48.95	4,457.61
*REXCAV06C	Excav 100K w/ Hammer	45.54	1.00	Each (hourly)	U.S. Dollar		160.97	7,329.66
*REXCAV06A	Excav 100K w/ Bucket & Grapple	45.54	1.00	Each (hourly)	U.S. Dollar		124.54	5,670.79
1.6.3.2	1,275.00 Cubic Yard	Concrete Transport Offsite	12.75	100.00	Detail	U.S. Dollar	11.97	15,266.12
Resource Code	Description	Hours	Quantity UM		Currency		Unit Cost	Total Cost
RDUTRK06	CAT D350D, 18CY-24CY	127.50	1.00	Each (hourly)	U.S. Dollar		74.29	9,471.98
L080940	TEAMSTER	127.50	1.00	Each (hourly)	U.S. Dollar		45.44	5,794.15
1.6.4	626,332.00 Each	Solar Panel Removal & Disposal	130.49	4,800.00	Detail	U.S. Dollar	5.55	3,476,867.92
1.6.4.1	626,332.00 Each	Solar Panel Removal	130.49	4,800.00	Detail	U.S. Dollar	2.78	1,743,867.22
Resource Code	Description	Hours	Quantity UM		Currency		Unit Cost	Total Cost
RLIFTS05	JCB 508C, 8,000lbs FRKLFT	7,829.15	6.00	Each (hourly)	U.S. Dollar		21.65	169,461.95

CBS Position Code	Quantity UM	Description	Cost Item		Days	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
L010101	OPERATOR		7,829.15		6.00	Each (hourly)	U.S. Dollar	48.95	383,207.92	
L060100	GENERAL LABORER		31,316.60		24.00	Each (hourly)	U.S. Dollar	38.04	1,191,197.34	

Notes: \*\*\*\*\*  
 Assumed production: 20 panels per laborer per hour,  
 Includes packaging and preparing for shipment offsite.  
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1.6.4.2	846.10	Each	Trucking - Per Load		0.00	0.00	Detail	U.S. Dollar	1,375.00	1,163,386.54
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Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
USTRUCKING	Trucking Sub		1,163,386.54	Each	U.S. Dollar	1.00	1,163,386.54

Notes: \*\*\*\*\*  
 Assumption: 45,000 lbs per load  
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1.6.4.3	18,987.14	Ton	Disposal Cost		0.00	0.00	Detail	U.S. Dollar	30.00	569,614.16
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Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
USDISPOSAL	Disposal Fee's		569,614.16	Each	U.S. Dollar	1.00	569,614.16

Notes: \*\*\*\*\*  
 Assumption: 626,332 modules x 60.63 lbs each  
 \*\*\*\*\*

1.6.5	1.00	Lump Sum	Solar Rack (Trackers) & Post Removal		47.00	0.02	Detail	U.S. Dollar	2,053,579.10	2,053,579.10
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1.6.5.1	5,610.00	Each	Solar Rack (Trackers) & Post Removal		47.00	119.36	Detail	U.S. Dollar	324.39	1,819,829.10
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Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
L010101	OPERATOR	7,520.00	16.00	Each (hourly)	U.S. Dollar	48.95	368,076.18
L060100	GENERAL LABORER	7,520.00	16.00	Each (hourly)	U.S. Dollar	38.04	286,040.12
*REXCAV06A	Excav 100K w/ Bucket & Grapple	3,760.00	8.00	Each (hourly)	U.S. Dollar	124.54	468,251.60
*REXCAV06E	Excav 100K w/ Shear	3,760.00	8.00	Each (hourly)	U.S. Dollar	185.50	697,461.20

Notes: \*\*\*\*\*  
 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.  
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1.6.5.2	170.00	Each	Trucking - Per Load		0.00	0.00	Detail	U.S. Dollar	1,375.00	233,750.00
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Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
USTRUCKING	Trucking Sub		233,750.00	Each	U.S. Dollar	1.00	233,750.00

Notes: \*\*\*\*\*  
 Assumption: 45,000 lbs per load  
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1.7	1.00	Lump Sum	Site Restoration - Partial Site Seeding		74.54	0.01	Detail	U.S. Dollar	322,939.25	322,939.25
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1.7.1	84,480.00	Linear Feet	Decompact Roads		33.79	2,500.00	Detail	U.S. Dollar	0.86	72,504.99
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Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
*RDOZER08	CAT D6 LGP Dozer	675.84	2.00	Each (hourly)	U.S. Dollar	58.34	39,425.13
L010101	OPERATOR	675.84	2.00	Each (hourly)	U.S. Dollar	48.95	33,079.87

Notes: \*\*\*\*\*  
 Decompaction to include discing and regrading  
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1.7.2	326.00	Acre	Spot Grade Disturbed Areas		40.75	8.00	Detail	U.S. Dollar	268.20	87,434.26
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Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
*RDOZER08	CAT D6 LGP Dozer	815.00	2.00	Each (hourly)	U.S. Dollar	58.34	47,543.03
L010101	OPERATOR	815.00	2.00	Each (hourly)	U.S. Dollar	48.95	39,891.23

Cost Item								
CBS Position Code	Quantity UM	Description	Days	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
<b>Notes:</b> ***** Assumption: 1,304 acres total property area. Assume that 25% of the area disturbed by construction will be regraded. *****								
1.7.3	326.00 Acre	Re-Seed With Native Vegetation - Roads & Areas Disturbed By Construction	0.00	0.00	Detail	U.S. Dollar	500.00	163,000.00
<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>		
USLANDSCAPE	Landscape Sub		326.00 Acre	U.S. Dollar	500.00	163,000.00		
<b>Notes:</b> ***** Assumption: 1,304 acres total property area. Assume that 25% of the area disturbed by construction will be re-seeded. *****								
1.8	1.00 Lump Sum	Contractor Markups	0.00	0.00	Detail	U.S. Dollar	1,524,514.95	1,524,514.95
1.8.1	1.00 Lump Sum	Home Office, Project Management (5% Of Cost)	0.00	0.00	Detail	U.S. Dollar	408,717.15	408,717.15
<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		8,174,343.00 Each	U.S. Dollar	0.05	408,717.15		
1.8.2	1.00 Lump Sum	Contractor OH & Fee (13% Of Cost)	0.00	0.00	Detail	U.S. Dollar	1,115,797.80	1,115,797.80
<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>		
USMARKUP	13% Markup		8,583,060.00 Each	U.S. Dollar	0.13	1,115,797.80		
1.9	1.00 Lump Sum	Scrap Metal Credit	0.00	0.00	Detail	U.S. Dollar	(2,889,200.00)	(2,889,200.00)
1.9.1	90.00 Ton	Scrap Credit - Substation	0.00	0.00	Detail	U.S. Dollar	(400.00)	(36,000.00)
<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		90.00 Ton	U.S. Dollar	(400.00)	(36,000.00)		
1.9.2	441.00 Ton	Scrap Credit - T-Line Structures	0.00	0.00	Detail	U.S. Dollar	(400.00)	(176,400.00)
<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		441.00 Ton	U.S. Dollar	(400.00)	(176,400.00)		
<b>Notes:</b> ***** Assume 9 ton per steel structure and cable span *****								
1.9.3	317.00 Ton	Scrap Credit - Fence	0.00	0.00	Detail	U.S. Dollar	(400.00)	(126,800.00)
<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		317.00 Ton	U.S. Dollar	(400.00)	(126,800.00)		
<b>Notes:</b> ***** Assume 8 lbs per ft fence & posts *****								
1.9.4	1,700.00 Ton	Scrap Credit - Inverter / Transformer	0.00	0.00	Detail	U.S. Dollar	(400.00)	(680,000.00)
<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		1,700.00 Ton	U.S. Dollar	(400.00)	(680,000.00)		
<b>Notes:</b> ***** Assume 20 ton per inverter / transformer *****								
1.9.5	3,819.00 Ton	Scrap Credit - Module Rack	0.00	0.00	Detail	U.S. Dollar	(400.00)	(1,527,600.00)
<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		3,819.00 Ton	U.S. Dollar	(400.00)	(1,527,600.00)		
<b>Notes:</b> ***** Assume 1000 Lbs per rack w/ 6 piles *****								

Cost Item									
CBS Position Code	Quantity UM	Description	Days	UM/Day	Cost Source	Currency	Unit Cost	Total Cost	
1.9.6	856.00 Ton	Scrap Credit - DC Storage Components & Structures	0.00	0.00	Detail	U.S. Dollar	(400.00)	(342,400.00)	
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost			
UODCFERROUS	Ferrous Metal Scrap		856.00 Ton	U.S. Dollar	(400.00)	(342,400.00)			
<b>Notes:</b> *****									
Assume 4.28 ton per MW									
*****									
<b>Report Total:</b>			846.03				6,809,657.54		

Category	Total
Labor	3,409,626.93
Rented Equipment	1,909,787.87
Supplies	9,560.20
Materials	40,000.00
Subcontract	4,327,682.54
ODCs	2,200.00
Other Costs	(2,889,200.00)