

ATTACHMENT K: DECOMMISSIONING COST ESTIMATE

CBS Position Code	Description	Forecast (T/O) Quantity	Unit of Measure	Unit Cost	Total Cost (Forecast)
1	HOP HILL SOLAR AND STORAGE PROJECT - RETIREMENT ESTIMATE	1.00	Lump Sum	\$21,088,515.27	\$21,088,515.27
1.1	Equipment & Facilities Mob / Demob	1.00	Lump Sum	\$131,143.17	\$131,143.17
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	\$13,548.63	\$40,645.90
1.1.4	Crew Demob & Site Cleanup	2.00	Day	\$13,548.63	\$27,097.27
1.2	Project Site Support	1.00	Lump Sum	\$805,320.82	\$805,320.82
1.2.1	Site Facilities	12.00	Month	\$1,305.00	\$15,660.00
1.2.2	Field Management	12.00	Month	\$65,805.07	\$789,660.82
1.3	O&M Building Removal	1.00	Lump Sum	\$20,152.33	\$20,152.33
1.3.1	Structure Demo	40.00	Ton	\$255.43	\$10,217.11
1.3.2	Remove Foundations To Subgrade	200.00	Cubic Yard	\$35.65	\$7,130.23
1.3.3	Trucking - Per Load	2.00	Each	\$1,375.00	\$2,750.00
1.3.4	Disposal Cost	1.00	Ton	\$55.00	\$55.00
1.4	Substation & T-Line Retirement	1.00	Lump Sum	\$1,090,702.21	\$1,090,702.21
1.4.1	Substation Retirement	1.00	Lump Sum	\$275,801.44	\$275,801.44
1.4.2	Transmission Line Retirement	1.00	Lump Sum	\$814,900.77	\$814,900.77
1.5	DC Storage Retirement	500.00	MW	\$3,383.99	\$1,691,994.69
1.5.1	Battery Removal & Disposal	500.00	MW	\$2,267.25	\$1,133,624.47
1.5.2	Structure & Components Removal	500.00	MW	\$1,116.74	\$558,370.22
1.6	Inverter / Transformer Removal	150.00	Each	\$5,447.74	\$817,161.30
1.6.1	Disconnect Electrical	150.00	Each	\$1,113.94	\$167,090.48
1.6.2	Loadout Inverter & Transformer	150.00	Each	\$2,958.81	\$443,820.83
1.6.3	Trucking - Per Load	150.00	Each	\$1,375.00	\$206,250.00
1.7	Remove Foundations To Subgrade	150.00	Each	\$417.57	\$62,634.94
1.7.1	Excavate / Remove Foundation	2,250.00	Cubic Yard	\$15.81	\$35,582.22
1.7.2	Concrete Transport Offsite	2,250.00	Cubic Yard	\$12.02	\$27,052.72
1.8	Solar Array Retirement	1.00	Lump Sum	\$16,544,009.88	\$16,544,009.88
1.8.1	Fence Removal	169,897.00	Linear Feet	\$1.29	\$219,834.84
1.8.2	Solar Panel Removal & Disposal	1,292,193.00	Each	\$7.50	\$9,691,879.54
1.8.3	Solar Rack (Trackers) & Post Removal	15,953.00	Each	\$415.74	\$6,632,295.50
1.9	Above Grade Cable Removal	3,988,250.00	Linear Feet	\$0.17	\$691,689.43
1.9.1	Remove Cable From Rack	3,988,250.00	Linear Feet	\$0.17	\$661,439.43
1.9.2	Trucking - Per Load	22.00	Each	\$1,375.00	\$30,250.00
1.10	Site Restoration - Partial Site Seeding	1.00	Lump Sum	\$1,689,873.33	\$1,689,873.33
1.10.1	Strip & Decompact Roads	270,521.00	Linear Feet	\$1.43	\$385,827.93
1.10.2	Spot Grade Disturbed Areas	1,669.00	Acre	\$281.33	\$469,545.40
1.10.3	Re-Seed With Native Vegetation - Roads & Areas Disturbed By Construction	1,669.00	Acre	\$500.00	\$834,500.00
1.11	Contractor Markups	1.00	Lump Sum	\$4,391,083.18	\$4,391,083.18
1.11.1	Home Office, Project Management (5% Of Cost)	1.00	Lump Sum	\$1,177,234.10	\$1,177,234.10
1.11.2	Contractor OH & Fee (13% Of Cost)	1.00	Lump Sum	\$3,213,849.08	\$3,213,849.08
1.12	Scrap Metal Credit	1.00	Lump Sum	-\$6,847,250.00	-\$6,847,250.00
1.12.1	Scrap Credit - Substation	180.00	Ton	-\$250.00	-\$45,000.00
1.12.2	Scrap Credit - T-Line Structures	1,125.00	Ton	-\$250.00	-\$281,250.00
1.12.3	Scrap Credit - Fence	680.00	Ton	-\$250.00	-\$170,000.00
1.12.4	Scrap Credit - BESS	822.00	Ton	-\$250.00	-\$205,500.00
1.12.5	Scrap Credit - Module Rack	19,143.00	Ton	-\$250.00	-\$4,785,750.00
1.12.6	Scrap Credit - O&M Structure	39.00	Ton	-\$250.00	-\$9,750.00
1.12.7	Scrap Credit - Cable	200.00	Ton	-\$3,000.00	-\$600,000.00
1.12.8	Scrap Credit - Inverter & Transformer	3,000.00	Ton	-\$250.00	-\$750,000.00

Estimate Summary
TETRA TECH EC, INC.

Job Code: Hop Hill Solar
Description: Decommissioning Estimate

Cost Item							
CBS Position Code	Quantity UM	Description	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
1	1.00 Lump Sum	HOP HILL SOLAR RETIREMENT	0.00	Detail	U.S. Dollar	21,088,515.27	21,088,515.27
1.1	1.00 Lump Sum	Equipment & Facilities Mob / Demob	0.20	Detail	U.S. Dollar	131,143.17	131,143.17
1.1.1	1.00 Lump Sum	Equipment Mob	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	Detail	U.S. Dollar	2,200.00	2,200.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
UOCONMOB	Connex Box Mob		2.00 Each	U.S. Dollar	300.00	600.00	
UOTRLTRN	Trailer Trnsp/Setup/Trdwn		2.00 Each	U.S. Dollar	800.00	1,600.00	
1.1.3	3.00 Day	Crew Mob & Site Setup	1.00	Detail	U.S. Dollar	13,548.63	40,645.90
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
L060100	GENERAL LABORER	720.00	24.00 Each (hourly)	U.S. Dollar	43.52	31,337.50	
L010101	OPERATOR	180.00	6.00 Each (hourly)	U.S. Dollar	51.71	9,308.40	
1.1.4	2.00 Day	Crew Demob & Site Cleanup	1.00	Detail	U.S. Dollar	13,548.63	27,097.27
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
L060100	GENERAL LABORER	480.00	24.00 Each (hourly)	U.S. Dollar	43.52	20,891.66	
L010101	OPERATOR	120.00	6.00 Each (hourly)	U.S. Dollar	51.71	6,205.60	
1.2	1.00 Lump Sum	Project Site Support	0.00	Detail	U.S. Dollar	805,320.82	805,320.82
1.2.1	12.00 Month	Site Facilities	0.00	Detail	U.S. Dollar	1,305.00	15,660.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
URCONNEX	Connex Box		12.00 Month	U.S. Dollar	150.00	1,800.00	
UROFFTRL	Office Trailer -12x60		12.00 Month	U.S. Dollar	500.00	6,000.00	
UO1STAI	1st Aid Supplies		12.00 Month	U.S. Dollar	300.00	3,600.00	
UOOFFSUP	Office Supplies(\$/prs/mo)		12.00 Month	U.S. Dollar	55.00	660.00	
URPRTAJH	Port-a-John Unit(s) (4)		12.00 Month	U.S. Dollar	300.00	3,600.00	
1.2.2	12.00 Month	Field Management	0.05	Detail	U.S. Dollar	65,805.07	789,660.82
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
L90FXX02	Field - Proj Superintendent	2,640.00	1.00 Each (hourly)	U.S. Dollar	83.18	219,600.48	
RPUTRK05	F-250 4X4 3/4 TON PICKUP	10,560.00	4.00 Each (hourly)	U.S. Dollar	11.88	125,452.80	
L90FEL00	Field - Engr. Tech	5,280.00	2.00 Each (hourly)	U.S. Dollar	39.57	208,950.84	
L90FXX03	Field - SHSO	2,640.00	1.00 Each (hourly)	U.S. Dollar	89.26	235,656.70	
1.3	1.00 Lump Sum	O&M Building Removal	0.21	Detail	U.S. Dollar	20,152.33	20,152.33
1.3.1	40.00 Ton	Structure Demo	20.00	Detail	U.S. Dollar	255.43	10,217.11
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	129.71	2,594.20	
*REXCAV06E	Excav 100K w/ Shear	20.00	1.00 Each (hourly)	U.S. Dollar	190.67	3,813.40	
L010101	OPERATOR	40.00	2.00 Each (hourly)	U.S. Dollar	51.71	2,068.53	
L060100	GENERAL LABORER	40.00	2.00 Each (hourly)	U.S. Dollar	43.52	1,740.97	

Notes: *****
 Assume steel structure

Cost Item							
CBS Position Code	Quantity UM	Description	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
1.3.2	200.00 Cubic Yard	Remove Foundations To Subgrade	71.43	Detail	U.S. Dollar	35.65	7,130.23
1.3.2.1	200.00 Cubic Yard	Excavate / Remove Foundation - Various Depth	250.00	Detail	U.S. Dollar	17.71	3,542.41
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
L060100	GENERAL LABORER	8.00	1.00 Each (hourly)	U.S. Dollar	43.52	348.19	
L010101	OPERATOR	16.00	2.00 Each (hourly)	U.S. Dollar	51.71	827.41	
*REXCAV06C	Excav 100K w/ Hammer	8.00	1.00 Each (hourly)	U.S. Dollar	166.14	1,329.12	
*REXCAV06A	Excav 100K w/ Bucket & Grapple	8.00	1.00 Each (hourly)	U.S. Dollar	129.71	1,037.68	
1.3.2.2	200.00 Cubic Yard	Concrete Transport Offsite	100.00	Detail	U.S. Dollar	17.94	3,587.82
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
RDUTRK06	CAT D350D, 18CY-24CY	20.00	1.00 Each (hourly)	U.S. Dollar	76.71	1,534.20	
L080940	TEAMSTER	20.00	1.00 Each (hourly)	U.S. Dollar	43.52	870.49	
L010101	OPERATOR	10.00	0.50 Each (hourly)	U.S. Dollar	51.71	517.13	
RFELWH09	CAT 966F LOADER, 4.25CY	10.00	0.50 Each (hourly)	U.S. Dollar	66.60	666.00	
1.3.3	2.00 Each	Trucking - Per Load	0.00	Detail	U.S. Dollar	1,375.00	2,750.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
USTRUCKING	Trucking Sub		2,750.00 Each	U.S. Dollar	1.00	2,750.00	
Notes: ***** Assumption: 45,000 lbs per load *****							
1.3.4	1.00 Ton	Disposal Cost	0.00	Detail	U.S. Dollar	55.00	55.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
USDISPOSAL	Disposal Fee's		55.00 Each	U.S. Dollar	1.00	55.00	
Notes: ***** Assumption: 324,016 modules x 60.63 lbs each *****							
1.4	1.00 Lump Sum	Substation & T-Line Retirement	0.01	Detail	U.S. Dollar	1,090,702.21	1,090,702.21
1.4.1	1.00 Lump Sum	Substation Retirement	0.03	Detail	U.S. Dollar	275,801.44	275,801.44
1.4.1.1	1.00 Day	Fence Removal	1.00	Detail	U.S. Dollar	1,305.08	1,305.08
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
L010101	OPERATOR	10.00	1.00 Each (hourly)	U.S. Dollar	51.71	517.13	
L060100	GENERAL LABORER	10.00	1.00 Each (hourly)	U.S. Dollar	43.52	435.24	
RBACKH09	Deere 710J BACKHOE, 1.62CY	10.00	1.00 Each (hourly)	U.S. Dollar	35.27	352.70	
1.4.1.2	2.00 Each	Transformer Removal	0.17	Detail	U.S. Dollar	93,640.68	187,281.36
1.4.1.2.1	2.00 Each	Oil Removal & Disposal	1.00	Detail	U.S. Dollar	58,245.49	116,490.97
1.4.1.2.1.1	2.00 Each	Oil Removal	1.00	Detail	U.S. Dollar	870.49	1,740.97
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
L060100	GENERAL LABORER	40.00	2.00 Each (hourly)	U.S. Dollar	43.52	1,740.97	
1.4.1.2.1.2	28,000.00 Gallon	Oil Disposal	0.00	Detail	U.S. Dollar	4.00	112,000.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
USDISPOSAL	Disposal Fee's		112,000.00 Each	U.S. Dollar	1.00	112,000.00	
1.4.1.2.1.3	2.00 Each	Trucking - Per Load	0.00	Detail	U.S. Dollar	1,375.00	2,750.00

Cost Item							
CBS Position Code	Quantity UM	Description	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
USTRUCKING	Trucking Sub		2,750.00 Each	U.S. Dollar	1.00	2,750.00	
1.4.1.2.2	2.00 Each	Dismantle & Loadout Transformer	0.20	Detail	U.S. Dollar	35,395.20	70,790.39
1.4.1.2.2.1	2.00 Each	Dismantle, Cut & Size	0.20	Detail	U.S. Dollar	29,895.20	59,790.39
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
L060100	GENERAL LABORER	400.00	4.00 Each (hourly)	U.S. Dollar	43.52	17,409.72	
L010101	OPERATOR	200.00	2.00 Each (hourly)	U.S. Dollar	51.71	10,342.67	
*REXCAV06A	Excav 100K w/ Bucket & Grapple	100.00	1.00 Each (hourly)	U.S. Dollar	129.71	12,971.00	
*REXCAV06E	Excav 100K w/ Shear	100.00	1.00 Each (hourly)	U.S. Dollar	190.67	19,067.00	
1.4.1.2.2.2	8.00 Each	Trucking - Per Load	0.00	Detail	U.S. Dollar	1,375.00	11,000.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
USTRUCKING	Trucking Sub		11,000.00 Each	U.S. Dollar	1.00	11,000.00	
1.4.1.3	1.00 Each	Remove Control Building & Switchgear	1.00	Detail	U.S. Dollar	4,999.48	4,999.48
1.4.1.3.1	1.00 Each	Demo	1.00	Detail	U.S. Dollar	2,249.48	2,249.48
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
L060100	GENERAL LABORER	10.00	1.00 Each (hourly)	U.S. Dollar	43.52	435.24	
L010101	OPERATOR	10.00	1.00 Each (hourly)	U.S. Dollar	51.71	517.13	
*REXCAV06A	Excav 100K w/ Bucket & Grapple	10.00	1.00 Each (hourly)	U.S. Dollar	129.71	1,297.10	
1.4.1.3.2	2.00 Each	Trucking - Per Load	0.00	Detail	U.S. Dollar	1,375.00	2,750.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
USTRUCKING	Trucking Sub		2,750.00 Each	U.S. Dollar	1.00	2,750.00	
1.4.1.4	2.00 Day	UG Utility & Ground Removal	1.00	Detail	U.S. Dollar	1,305.08	2,610.15
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
L010101	OPERATOR	20.00	1.00 Each (hourly)	U.S. Dollar	51.71	1,034.27	
L060100	GENERAL LABORER	20.00	1.00 Each (hourly)	U.S. Dollar	43.52	870.49	
RBACKH09	Deere 710J BACKHOE, 1.62CY	20.00	1.00 Each (hourly)	U.S. Dollar	35.27	705.40	
1.4.1.5	500.00 Cubic Yard	Remove Foundations To Subgrade	73.68	Detail	U.S. Dollar	27.84	13,918.88
1.4.1.5.1	500.00 Cubic Yard	Excavate / Remove Foundation - Various Depth	280.00	Detail	U.S. Dollar	15.81	7,907.16
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
L060100	GENERAL LABORER	17.86	1.00 Each (hourly)	U.S. Dollar	43.52	777.22	
L010101	OPERATOR	35.71	2.00 Each (hourly)	U.S. Dollar	51.71	1,846.91	
*REXCAV06C	Excav 100K w/ Hammer	17.86	1.00 Each (hourly)	U.S. Dollar	166.14	2,966.79	
*REXCAV06A	Excav 100K w/ Bucket & Grapple	17.86	1.00 Each (hourly)	U.S. Dollar	129.71	2,316.25	
1.4.1.5.2	500.00 Cubic Yard	Concrete Transport Offsite	100.00	Detail	U.S. Dollar	12.02	6,011.72
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	76.71	3,835.50	
L080940	TEAMSTER	50.00	1.00 Each (hourly)	U.S. Dollar	43.52	2,176.22	
1.4.1.6	1.00 Lump Sum	Misc. Material Disposal	0.00	Detail	U.S. Dollar	1,925.00	1,925.00

Cost Item							
CBS Position Code	Quantity UM	Description	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
1.4.1.6.1	1.00 Each	Trucking - Per Load	0.00	Detail	U.S. Dollar	1,375.00	1,375.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
USTRUCKING	Trucking Sub		1,375.00 Each	U.S. Dollar	1.00	1,375.00	
1.4.1.6.2	10.00 Ton	Disposal Cost	0.00	Detail	U.S. Dollar	55.00	550.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
USDISPOSAL	Disposal Fee's		550.00 Each	U.S. Dollar	1.00	550.00	
1.4.1.7	1.00 Lump Sum	Restore Yard	0.12	Detail	U.S. Dollar	63,761.49	63,761.49
1.4.1.7.1	4.00 Acre	Backfill / Regrade	2.00	Detail	U.S. Dollar	1,654.59	6,618.38
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
L060100	GENERAL LABORER	40.00	2.00 Each (hourly)	U.S. Dollar	43.52	1,740.97	
L010101	OPERATOR	40.00	2.00 Each (hourly)	U.S. Dollar	51.71	2,068.53	
REXCAV06B	Gradall - Excavator	20.00	1.00 Each (hourly)	U.S. Dollar	79.62	1,592.47	
*RDOZER08	CAT D6 LGP Dozer	20.00	1.00 Each (hourly)	U.S. Dollar	60.82	1,216.40	
1.4.1.7.2	2,000.00 Cubic Yard	Vegetative Cover	300.00	Detail	U.S. Dollar	27.57	55,143.11
1.4.1.7.2.1	2,000.00 Cubic Yard	Topsoil, Delivered	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	300.00	Detail	U.S. Dollar	7.57	15,143.11
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
L010101	OPERATOR	133.33	2.00 Each (hourly)	U.S. Dollar	51.71	6,895.11	
RDOZER08	CAT D6N XL	133.33	2.00 Each (hourly)	U.S. Dollar	61.86	8,248.00	
1.4.1.7.3	4.00 Acre	Re-Seed With Native Vegetation	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	0.01	Detail	U.S. Dollar	814,900.77	814,900.77
1.4.2.1	125.00 Each	Structure Removal	1.00	Detail	U.S. Dollar	5,034.35	629,293.56
1.4.2.1.1	125.00 Each	Cut / Lower Structure	2.00	Detail	U.S. Dollar	1,886.75	235,844.09
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
L060100	GENERAL LABORER	2,500.00	4.00 Each (hourly)	U.S. Dollar	43.52	108,810.75	
L010101	OPERATOR	625.00	1.00 Each (hourly)	U.S. Dollar	51.71	32,320.84	
*RXMISC14	MAN LIFT GAS 125ft	625.00	1.00 Each (hourly)	U.S. Dollar	54.88	34,300.00	
*RXMISC23	GROVE RT 200 TON	625.00	1.00 Each (hourly)	U.S. Dollar	96.66	60,412.50	
1.4.2.1.2	125.00 Each	Cut / Size Structure & Loadout	2.00	Detail	U.S. Dollar	2,047.60	255,949.47
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
L060100	GENERAL LABORER	3,750.00	6.00 Each (hourly)	U.S. Dollar	43.52	163,216.13	
L010101	OPERATOR	625.00	1.00 Each (hourly)	U.S. Dollar	51.71	32,320.84	
*RXMISC23	GROVE RT 200 TON	625.00	1.00 Each (hourly)	U.S. Dollar	96.66	60,412.50	

Cost Item							
CBS Position Code	Quantity UM	Description	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
1.4.2.1.3	100.00 Each	Trucking - Per Load	0.00	Detail	U.S. Dollar	1,375.00	137,500.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
USTRUCKING	Trucking Sub		137,500.00 Each	U.S. Dollar	1.00	137,500.00	
Notes: ***** Assume 9 ton per steel structure and cable span *****							
1.4.2.2	125.00 Each	Remove Foundations To Subgrade	3.11	Detail	U.S. Dollar	1,484.86	185,607.21
1.4.2.2.1	125.00 Each	Excavate / Remove Foundation - Various Depth	3.33	Detail	U.S. Dollar	1,458.98	182,371.99
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
L060100	GENERAL LABORER	750.00	2.00 Each (hourly)	U.S. Dollar	43.52	32,643.23	
L010101	OPERATOR	750.00	2.00 Each (hourly)	U.S. Dollar	51.71	38,785.01	
*REXCAV06C	Excav 100K w/ Hammer	375.00	1.00 Each (hourly)	U.S. Dollar	166.14	62,302.50	
*REXCAV06A	Excav 100K w/ Bucket & Grapple	375.00	1.00 Each (hourly)	U.S. Dollar	129.71	48,641.25	
1.4.2.2.2	201.81 Cubic Yard	Concrete Transport Offsite	75.00	Detail	U.S. Dollar	16.03	3,235.22
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
RDUTRK06	CAT D350D, 18CY-24CY	26.91	1.00 Each (hourly)	U.S. Dollar	76.71	2,064.08	
L080940	TEAMSTER	26.91	1.00 Each (hourly)	U.S. Dollar	43.52	1,171.14	
1.5	500.00 MW	DC Storage Retirement	1.56	Detail	U.S. Dollar	3,383.99	1,691,994.69
1.5.1	500.00 MW	Battery Removal & Disposal	2.28	Detail	U.S. Dollar	2,267.25	1,133,624.47
1.5.1.1	219.00 Day	Remove Batteries, Load For Transport	1.00	Detail	U.S. Dollar	1,970.57	431,555.27
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
L060100	GENERAL LABORER	8,760.00	4.00 Each (hourly)	U.S. Dollar	43.52	381,272.87	
RLIFTS05	JCB 508C, 8,000lbs FRKLFT	2,190.00	1.00 Each (hourly)	U.S. Dollar	22.96	50,282.40	
1.5.1.2	182.00 Each	Transport Batteries	0.00	Detail	U.S. Dollar	1,480.60	269,469.20
1.5.1.2.1	182.00 Each	Roll Off Liners	0.00	Detail	U.S. Dollar	105.60	19,219.20
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
UODCLINER	Rolloff Liner		182.00 Each	U.S. Dollar	105.60	19,219.20	
1.5.1.2.2	182.00 Each	Trucking - Per Load	0.00	Detail	U.S. Dollar	1,375.00	250,250.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
USTRUCKING	Trucking Sub		250,250.00 Each	U.S. Dollar	1.00	250,250.00	
1.5.1.3	2,163.00 Ton	Disposal Fee's	0.00	Detail	U.S. Dollar	200.00	432,600.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
USDISPOSAL	Disposal Fee's		432,600.00 Each	U.S. Dollar	1.00	432,600.00	
1.5.2	500.00 MW	Structure & Components Removal	4.95	Detail	U.S. Dollar	1,116.74	558,370.22
1.5.2.1	63.00 Day	Refrigerant Recovery	1.00	Detail	U.S. Dollar	1,119.79	70,546.58
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
L010110	ELECTRCIAN	1,260.00	2.00 Each (hourly)	U.S. Dollar	55.99	70,546.58	
1.5.2.2	1,644.00 Ton	Structure Demo	43.33	Detail	U.S. Dollar	117.89	193,810.64
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
*REXCAV06A	Excav 100K w/ Bucket & Grapple	379.38	1.00 Each (hourly)	U.S. Dollar	129.71	49,209.98	

Cost Item							
CBS Position Code	Quantity UM	Description	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
*REXCAV06E	Excav 100K w/ Shear	379.38	1.00 Each (hourly)	U.S. Dollar		190.67	72,337.26
L010101	OPERATOR	758.77	2.00 Each (hourly)	U.S. Dollar		51.71	39,238.50
L060100	GENERAL LABORER	758.77	2.00 Each (hourly)	U.S. Dollar		43.52	33,024.90

1.5.2.3	182.00 Each	Trucking - Per Load	0.00	Detail	U.S. Dollar	1,375.00	250,250.00
---------	-------------	---------------------	------	--------	-------------	----------	------------

Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost
USTRUCKING	Trucking Sub		250,250.00 Each	U.S. Dollar	1.00	250,250.00

1.5.2.4	43,763.00 Gallon	Glycol Recovery & Disposal	0.00	Detail	U.S. Dollar	1.00	43,763.00
---------	------------------	----------------------------	------	--------	-------------	------	-----------

Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost
USLIQUID	Liquids T&D		43,763.00 Each	U.S. Dollar	1.00	43,763.00

1.6	150.00 Each	Inverter / Transformer Removal	0.50	Detail	U.S. Dollar	5,447.74	817,161.30
-----	-------------	--------------------------------	------	--------	-------------	----------	------------

1.6.1	150.00 Each	Disconnect Electrical	1.00	Detail	U.S. Dollar	1,113.94	167,090.48
-------	-------------	-----------------------	------	--------	-------------	----------	------------

Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost
L010110	ELECTRICIAN	1,500.00	1.00 Each (hourly)	U.S. Dollar	55.99	83,984.03
L060100	GENERAL LABORER	1,500.00	1.00 Each (hourly)	U.S. Dollar	43.52	65,286.45
RPUTRK05	F-250 4X4 3/4 TON PICKUP	1,500.00	1.00 Each (hourly)	U.S. Dollar	11.88	17,820.00

1.6.2	150.00 Each	Loadout Inverter & Transformer	1.00	Detail	U.S. Dollar	2,958.81	443,820.83
-------	-------------	--------------------------------	------	--------	-------------	----------	------------

Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost
L060100	GENERAL LABORER	6,000.00	4.00 Each (hourly)	U.S. Dollar	43.52	261,145.80
L010101	OPERATOR	1,500.00	1.00 Each (hourly)	U.S. Dollar	51.71	77,570.03
RHYDCR06	GROVE RT880 73 TON	1,500.00	1.00 Each (hourly)	U.S. Dollar	70.07	105,105.00

1.6.3	150.00 Each	Trucking - Per Load	0.00	Detail	U.S. Dollar	1,375.00	206,250.00
-------	-------------	---------------------	------	--------	-------------	----------	------------

Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost
USTRUCKING	Trucking Sub		206,250.00 Each	U.S. Dollar	1.00	206,250.00

1.7	150.00 Each	Remove Foundations To Subgrade	4.91	Detail	U.S. Dollar	417.57	62,634.94
-----	-------------	--------------------------------	------	--------	-------------	--------	-----------

Notes: *****

Assumption: 10.5 x37x1 concrete pad per inverter/
transformer

1.7.1	2,250.00 Cubic Yard	Excavate / Remove Foundation	280.00	Detail	U.S. Dollar	15.81	35,582.22
-------	---------------------	------------------------------	--------	--------	-------------	-------	-----------

Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost
L060100	GENERAL LABORER	80.36	1.00 Each (hourly)	U.S. Dollar	43.52	3,497.49
L010101	OPERATOR	160.71	2.00 Each (hourly)	U.S. Dollar	51.71	8,311.07
*REXCAV06C	Excav 100K w/ Hammer	80.36	1.00 Each (hourly)	U.S. Dollar	166.14	13,350.54
*REXCAV06A	Excav 100K w/ Bucket & Grapple	80.36	1.00 Each (hourly)	U.S. Dollar	129.71	10,423.13

1.7.2	2,250.00 Cubic Yard	Concrete Transport Offsite	100.00	Detail	U.S. Dollar	12.02	27,052.72
-------	---------------------	----------------------------	--------	--------	-------------	-------	-----------

Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost
RDUTRK06	CAT D350D, 18CY-24CY	225.00	1.00 Each (hourly)	U.S. Dollar	76.71	17,259.75
L080940	TEAMSTER	225.00	1.00 Each (hourly)	U.S. Dollar	43.52	9,792.97

1.8	1.00 Lump Sum	Solar Array Retirement	0.00	Detail	U.S. Dollar	16,544,009.88	16,544,009.88
-----	---------------	------------------------	------	--------	-------------	---------------	---------------

1.8.1	169,897.00 Linear Feet	Fence Removal	5,124.80	Detail	U.S. Dollar	1.29	219,834.84
-------	------------------------	---------------	----------	--------	-------------	------	------------

1.8.1.1	169,897.00 Linear Feet	Fence Removal	5,124.80	Detail	U.S. Dollar	1.02	173,084.84
---------	------------------------	---------------	----------	--------	-------------	------	------------

Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost
L010101	OPERATOR	994.56	3.00 Each (hourly)	U.S. Dollar	51.71	51,431.92
L060100	GENERAL LABORER	1,989.12	6.00 Each (hourly)	U.S. Dollar	43.52	86,574.87
RBACKH09	Deere 710J BACKHOE, 1.62CY	994.56	3.00 Each (hourly)	U.S. Dollar	35.27	35,078.05

Cost Item							
CBS Position Code	Quantity UM	Description	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
1.8.1.2	34.00 Each	Trucking - Per Load	0.00	Detail	U.S. Dollar	1,375.00	46,750.00

Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost
USTRUCKING	Trucking Sub		46,750.00 Each	U.S. Dollar	1.00	46,750.00

1.8.2	1,292,193.00 Each	Solar Panel Removal & Disposal	4,800.00	Detail	U.S. Dollar	7.50	9,691,879.54
-------	-------------------	--------------------------------	----------	--------	-------------	------	--------------

1.8.2.1	1,292,193.00 Each	Solar Panel Removal	4,800.00	Detail	U.S. Dollar	3.11	4,018,244.54
---------	-------------------	---------------------	----------	--------	-------------	------	--------------

Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost
RLIFTS05	JCB 508C, 8,000lbs FRKLFT	16,152.41	6.00 Each (hourly)	U.S. Dollar	22.96	370,859.39
L010101	OPERATOR	16,152.41	6.00 Each (hourly)	U.S. Dollar	51.71	835,295.36
L060100	GENERAL LABORER	64,609.65	24.00 Each (hourly)	U.S. Dollar	43.52	2,812,089.79

Notes: *****
 Assumed production: 20 panels per laborer per hour,
 Includes packaging and preparing for shipment offsite.

1.8.2.2	2,172.00 Each	Trucking - Per Load	0.00	Detail	U.S. Dollar	1,375.00	2,986,500.00
---------	---------------	---------------------	------	--------	-------------	----------	--------------

Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost
USTRUCKING	Trucking Sub		2,986,500.00 Each	U.S. Dollar	1.00	2,986,500.00

Notes: *****
 Assumption: 45,000 lbs per load

1.8.2.3	48,857.00 Ton	Disposal Cost	0.00	Detail	U.S. Dollar	55.00	2,687,135.00
---------	---------------	---------------	------	--------	-------------	-------	--------------

Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost
USDISPOSAL	Disposal Fee's		2,687,135.00 Each	U.S. Dollar	1.00	2,687,135.00

Notes: *****
 Assumption: 1,292,193 modules x 75.62 lbs each

1.8.3	15,953.00 Each	Solar Rack (Trackers) & Post Removal	119.36	Detail	U.S. Dollar	415.74	6,632,295.50
-------	----------------	--------------------------------------	--------	--------	-------------	--------	--------------

1.8.3.1	15,953.00 Each	Solar Rack (Trackers) & Post Removal	119.36	Detail	U.S. Dollar	342.39	5,462,170.50
---------	----------------	--------------------------------------	--------	--------	-------------	--------	--------------

Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost
L010101	OPERATOR	21,384.41	16.00 Each (hourly)	U.S. Dollar	51.71	1,105,859.66
L060100	GENERAL LABORER	21,384.41	16.00 Each (hourly)	U.S. Dollar	43.52	930,741.63
*REXCAV06A	Excav 100K w/ Bucket & Grapple	10,692.21	8.00 Each (hourly)	U.S. Dollar	129.71	1,386,886.14
*REXCAV06E	Excav 100K w/ Shear	10,692.21	8.00 Each (hourly)	U.S. Dollar	190.67	2,038,683.07

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.

1.8.3.2	851.00 Each	Trucking - Per Load	0.00	Detail	U.S. Dollar	1,375.00	1,170,125.00
---------	-------------	---------------------	------	--------	-------------	----------	--------------

Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost
USTRUCKING	Trucking Sub		1,170,125.00 Each	U.S. Dollar	1.00	1,170,125.00

Notes: *****
 Assumption: 45,000 lbs per load

1.9	3,988,250.00 Linear Feet	Above Grade Cable Removal	15,000.00	Detail	U.S. Dollar	0.17	691,689.43
-----	--------------------------	---------------------------	-----------	--------	-------------	------	------------

1.9.1	3,988,250.00 Linear Feet	Remove Cable From Rack	15,000.00	Detail	U.S. Dollar	0.17	661,439.43
-------	--------------------------	------------------------	-----------	--------	-------------	------	------------

Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost
RLIFTS05	JCB 508C, 8,000lbs FRKLFT	2,658.83	1.00 Each (hourly)	U.S. Dollar	22.96	61,046.81
L010101	OPERATOR	2,658.83	1.00 Each (hourly)	U.S. Dollar	51.71	137,497.18

Cost Item							
CBS Position Code	Quantity UM	Description	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
L060100	GENERAL LABORER	10,635.33	4.00 Each (hourly)	U.S. Dollar		43.52	462,895.44
Notes: ***** Assume .10 lbs per lf, 250 lf per rack *****							
1.9.2	22.00 Each	Trucking - Per Load	0.00	Detail	U.S. Dollar	1,375.00	30,250.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
USTRUCKING	Trucking Sub		30,250.00 Each	U.S. Dollar	1.00	30,250.00	
1.10	1.00 Lump Sum	Site Restoration - Partial Site Seeding	0.00	Detail	U.S. Dollar	1,689,873.33	1,689,873.33
1.10.1	270,521.00 Linear Feet	Strip & Decompact Roads	2,500.00	Detail	U.S. Dollar	1.43	385,827.93
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
*RDOZER08	CAT D6 LGP Dozer	2,164.17	2.00 Each (hourly)	U.S. Dollar	60.82	131,624.70	
L010101	OPERATOR	3,246.25	3.00 Each (hourly)	U.S. Dollar	51.71	167,874.57	
*RFELWH08C	CAT 980 LOADER	1,082.08	1.00 Each (hourly)	U.S. Dollar	79.78	86,328.66	
Notes: ***** Decompaction to include discing and regrading Assume removed road base transported offsite at no charge *****							
1.10.2	1,669.00 Acre	Spot Grade Disturbed Areas	8.00	Detail	U.S. Dollar	281.33	469,545.40
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
*RDOZER08	CAT D6 LGP Dozer	4,172.50	2.00 Each (hourly)	U.S. Dollar	60.82	253,771.45	
L010101	OPERATOR	4,172.50	2.00 Each (hourly)	U.S. Dollar	51.71	215,773.95	
Notes: ***** Assumption: 4,767 acres total property area. Assume that 35% of the area disturbed by construction will be regraded. *****							
1.10.3	1,669.00 Acre	Re-Seed With Native Vegetation - Roads & Areas Disturbed By Construction	0.00	Detail	U.S. Dollar	500.00	834,500.00
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
USLANDSCAPE	Landscape Sub		1,669.00 Acre	U.S. Dollar	500.00	834,500.00	
Notes: ***** Assumption: 4,767 acres total property area. Assume that 35% of the area disturbed by construction will be re-seeded. *****							
1.11	1.00 Lump Sum	Contractor Markups	0.00	Detail	U.S. Dollar	4,391,083.18	4,391,083.18
1.11.1	1.00 Lump Sum	Home Office, Project Management (5% Of Cost)	0.00	Detail	U.S. Dollar	1,177,234.10	1,177,234.10
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
USMARKUP5	5% Markup		23,544,682.00 Each	U.S. Dollar	0.05	1,177,234.10	
1.11.2	1.00 Lump Sum	Contractor OH & Fee (13% Of Cost)	0.00	Detail	U.S. Dollar	3,213,849.08	3,213,849.08
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
USMARKUP	13% Markup		24,721,916.00 Each	U.S. Dollar	0.13	3,213,849.08	
1.12	1.00 Lump Sum	Scrap Metal Credit	0.00	Detail	U.S. Dollar	(6,847,250.00)	(6,847,250.00)
1.12.1	180.00 Ton	Scrap Credit - Substation	0.00	Detail	U.S. Dollar	(250.00)	(45,000.00)
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
UODCFERROUS	Ferrous Metal Scrap		180.00 Ton	U.S. Dollar	(250.00)	(45,000.00)	
1.12.2	1,125.00 Ton	Scrap Credit - T-Line Structures	0.00	Detail	U.S. Dollar	(250.00)	(281,250.00)
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	

Cost Item							
CBS Position Code	Quantity UM	Description	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
UODCFERROUS	Ferrous Metal Scrap		1,125.00 Ton		U.S. Dollar	(250.00)	(281,250.00)
Notes: ***** Assume 9 ton per steel structure and cable span *****							
1.12.3	680.00 Ton	Scrap Credit - Fence	0.00	Detail	U.S. Dollar	(250.00)	(170,000.00)
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
UODCFERROUS	Ferrous Metal Scrap		680.00 Ton	U.S. Dollar	(250.00)	(170,000.00)	
Notes: ***** Assume 8 lbs per ft fence & posts *****							
1.12.4	822.00 Ton	Scrap Credit - BESS	0.00	Detail	U.S. Dollar	(250.00)	(205,500.00)
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
UODCFERROUS	Ferrous Metal Scrap		822.00 Ton	U.S. Dollar	(250.00)	(205,500.00)	
Notes: ***** Assume 1/2 of BESS weight recoverable scrap *****							
1.12.5	19,143.00 Ton	Scrap Credit - Module Rack	0.00	Detail	U.S. Dollar	(250.00)	(4,785,750.00)
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
UODCFERROUS	Ferrous Metal Scrap		19,143.00 Ton	U.S. Dollar	(250.00)	(4,785,750.00)	
Notes: ***** Assume 800 Lbs per string w/ piles *****							
1.12.6	39.00 Ton	Scrap Credit - O&M Structure	0.00	Detail	U.S. Dollar	(250.00)	(9,750.00)
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
UODCFERROUS	Ferrous Metal Scrap		39.00 Ton	U.S. Dollar	(250.00)	(9,750.00)	
1.12.7	200.00 Ton	Scrap Credit - Cable	0.00	Detail	U.S. Dollar	(3,000.00)	(600,000.00)
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
UODCCOP	Copper Scrap		200.00 Ton	U.S. Dollar	(3,000.00)	(600,000.00)	
Notes: ***** Assume .10 lbs per lf *****							
1.12.8	3,000.00 Ton	Scrap Credit - Inverter & Transformer	0.00	Detail	U.S. Dollar	(250.00)	(750,000.00)
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost	
UODCFERROUS	Ferrous Metal Scrap		3,000.00 Ton	U.S. Dollar	(250.00)	(750,000.00)	
Notes: ***** Assume 20 ton per inverter / transformer *****							
Report Total:							21,088,515.27

Category	Total
Labor	9,036,104.72
Rented Equipment	5,170,595.17
Supplies	23,479.20
Materials	40,000.00
Subcontract	13,619,623.18
Travel-Risk-Adj	43,763.00
ODCs	2,200.00
Other Costs	(6,847,250.00)