Schnebly Coulee Solar Energy Project

Decommissioning Plan

Prepared for

Kittitas County

Project Owner

Schnebly Coulee Solar Energy LLC 1 South Wacker Drive Suite 1800 Chicago, IL 60606

April 4, 2024

Table of Contents

1.	Introduction	1
2.	Project Background	1
3.	Existing Site Conditions	1
4.	Decommissioning Requirements	1
5.	Description of Work to Install Project	1
6.	Decommissioning Process	2
7.	Decommissioning Cost	3
8.	Use of Decommissioning Funds	3
EXH	IBIT A Kittitas County Code	4
EXH	IBIT B Cost Estimate	6

1. Introduction

Schnebly Coulee Solar Energy LLC (the Project Owner) is proposing to construct, own and operate an approximately 90-megawatt (MW) capacity photovoltaic (PV) solar power production facility (SPPF; the Project) on approximately 1,314 acres of privately owned land, near the town of Kittitas, Washington.

2. Project Background

The Project is located in Kittitas County, Washington. It is situated east of and adjacent to Stevens Road, 0.5 miles north of Interstate 90 and 0.5 miles South of Vantage Highway. The solar farm will consist of approximately 210,600 solar modules, associated solar module racking system and foundations, 24 solar inverters, 24 medium voltage step-up transformers, and associated electrical equipment and materials necessary to connect to the Puget Sound Energy's Poison Springs Switchyard.

3. Existing Site Conditions

The overall topography is generally rolling and covered by sagebrush. The land does not have any existing improvements or water rights and is currently used as a seasonal grazing area. The Project will be accessed via Stevens Road.

4. Decommissioning Requirements

The Project Owner must plan for the decommissioning of the Project and provide a decommissioning bond or other financial mechanism equating to 125% of the engineer's estimated cost in accordance with Kittitas County Code 17.61C.110 as it relates to abandonment and decommissioning of solar power production facilities. The plan must describe how the site will be restored to a useful, non-hazardous condition and at what cost. See Exhibit A for the full reference.

5. Description of Work to Install Project

Clearing and Grading: Site preparation will occur in a manner to minimize grading, vegetation removal, and topsoil removal.

Solar Equipment: Rock anchor foundations will be used for the solar racking system. Steel pile foundations will be used for the solar inverters and medium voltage step-up transformers.

Roads and Fencing: Approximately 33,000 feet of 20' wide internal and access roads will be installed to service the Project and have an aggregate base over compacted native soils. Security fencing and access gates will be installed around the perimeter and the Project substation totaling approximately 42,500 linear feet.

Buildings and Enclosures: The Project will have a 675-square-foot control house in the Project substation yard. The control house is delivered to the site already built and set on a concrete foundation.

SCADA and Communications Equipment Enclosure: Supervisory Control and Data Acquisition (SCADA) refers to the entire communication and control components. The SCADA equipment for the Project will be mounted in the control house. The SCADA system includes an internet router, server(s), a firewall, battery backup, and other hardware to remotely monitor the Project.

Cable Trenching: Trenching requirements for the electrical cables and telecommunication lines would consist of a trench up to approximately three feet deep and one to four feet wide. The trenches would be filled with base material above and below the conductors and communications lines to ensure adequate thermal conductivity and electrical insulating characteristics. The topsoil from trench excavation would be set aside before the trench is backfilled and would ultimately comprise the uppermost layer of the trench. Excessive material from the foundation and trench excavations would be used for site leveling.

Project Substation and Transmission Line: The electrical cables will feed to the Project Substation from which one 230kV transmission line will go to the Puget Sound Energy Poison Springs Switchyard, roughly 3 miles east of the Project. The total length of the transmission line will be approximately 3.6 miles long.

Foundations: The solar modules will be installed on single-axis trackers attached to racking structures. The foundations for the racking structures will either be rock anchors or ballast foundations.

Project Life: The Project equipment has an estimated useful life of at least 35 years with an opportunity for extension depending on equipment replacements or refurbishments.

6. Decommissioning Process

The Project will consist of various materials including steel, aluminum, copper, concrete, solar modules, transformer insulating oils, and plastics. When the Project reaches the end of its operational life, the components will be disassembled, and component materials will be recycled (including sold for scrap) or taken to a landfill. Decommissioning will be accomplished using conventional construction equipment with the objective of maximizing the recycling of materials and minimizing the amount of waste to be disposed. Demolition debris will be placed in temporary onsite, secured, storage areas pending final transportation and disposal or recycling according to the procedures listed below.

The first step in the decommissioning process is the assessment of existing site conditions and preparation of the facility site for decommissioning. Internal service roads, fencing, and electrical power will remain in place for use by the decommissioning workers until no longer needed. All necessary permits, such as for land use or road access, will be obtained prior to conducting any decommissioning work.

The decommissioning of the Project will then proceed in reverse order of the construction and commissioning of the solar farm. The Project will be disconnected from the transmission system. Solar modules will be disconnected, collected, packed, and sent to the original manufacturer or a local recycler. Site equipment will be disconnected from all above ground and underground cables. All above ground cables will be removed and transported off-site to an approved recycling facility or landfill. Solar module steel racking system will be removed and transported off-site to a recycling facility. Electrical and electronic devices, including medium voltage step-up transformers and solar inverters will be removed and transported off-site to a landfill. Concrete foundations will be removed and then transported off-site and recycled, or will be sent to a landfill. Concrete foundations will be removed and then transported off-site and recycled by portable recycling equipment brought on-site, or taken to a landfill. The last step, treatment of internal service roads, fences, gates, and the transmission line will depend on whether there is a planned next use of the land. If there is a need for these improvements, they will be left in place and maintained. If there is not, they will be removed, and the land will be restored. The site will be graded as close as is reasonably possible to its original contours or contours advantageous

for agricultural use. The land will be revegetated with plants and/or plant seed mix consistent with the Project's Vegetation and Soil Management Plan approved by Kittitas County. This work will be completed within six months of removal of all equipment.

7. Decommissioning Cost

The decommissioning cost estimate including labor, materials, and equipment and disposal costs is \$4,150,165.60; a cost breakdown is shown in Exhibit B. This estimate has been prepared by Tetra Tech, an independent third party. Upon decommissioning, many of the materials and components may be able to be sold for reuse. The Project Owner will review this estimate on a five-year basis, unless changes are made that would materially increase the costs, in which case the estimate will be revised within 120 days of the change.

The Project Owner will ensure there are adequate funds for decommissioning by putting in place cash held in escrow, or a surety bond prior to starting construction. The value of the financial mechanism shall be based on the then current cost estimate. The financial mechanism shall remain in full force and effect until the decommissioning process is complete. The Project Owner shall annually update Kittitas County on the status of the financial mechanism, or upon request.

8. Use of Decommissioning Funds

Kittitas County will be entitled to draw on the decommissioning funds and decommission the Project if the Project Owner abandons the Project. The Project will be considered abandoned if it has not generated electricity that is sold for commercial use within eighteen (18) months.

Once Kittitas County has determined the Project has been abandoned, it shall issue a Notice of Abandonment to the Project owner/operator. Within 30 days from the Notice of receipt date, the owner/operator has the right to respond to the Notice of Abandonment and provide sufficient information to demonstrate that the facility has not been abandoned. If the owner/operator fails to respond to the Notice of Abandonment and the County has determined that the facility has been abandoned or discontinued, the Owner/operator of the facility shall remove the SPPF within three months of receipt of the Notice of Abandonment. If the owner/operator fails to physically remove the facility, Kittitas County shall have the authority to physically remove the facility and draw from the decommissioning funds to recover costs associated with that removal.

EXHIBIT A. Kittitas County Code

Kittitas County Code (KCC) Chapter 17.61C.110 Abandonment and Decomissioning:

- 1. Abandonment Requirements:
 - a. SPPFs which have not generated electricity that is sold for commercial use within eighteen (18) months shall be removed at the owner/operator's expense. Owners/operators may be required to provide proof of electricity generation as requested by Kittitas County.
 - b. The Planning Official, Building Official, Code Enforcement Officer or designee may issue a Notice of Abandonment to the owner/operator of the facility. The owner/operator shall have the right to respond to the Notice of Abandonment within 30 days from the Notice receipt date. The Building Official, Code Enforcement Officer or designee may withdraw the Notice of Abandonment and notify the owner/operator that the Notice has been withdrawn if the owner/operator provides sufficient information to demonstrate that the facility has not been abandoned which may include documentation or certification by the owner/operator of the electrical grid that the SPPF has met the requirement of 17.61C.090 (1)(a).
 - c. If the owner/operator fails to respond to the Notice of Abandonment or if after review by the Planning Official, Building Official, Code Enforcement Officer or designee it is determined that the facility has been abandoned or discontinued, the owner/operator of the facility shall remove the SPPF at the owner/operator's sole expense within 3-months of receipt of the Notice of Abandonment. If the owner/operator fails to physically remove the facility after the Notice of Abandonment procedure, the County shall have the authority to enter the subject property, physically remove the facility and recover costs associated with that removal from the property owner/operator.
- 2. Decommissioning Requirements:
 - a. The site shall be restored within six (6) months of removal.
 - b. Restoration of the site shall consist of the following:
 - i. Dismantle and removal of all photovoltaic solar power generation facilities including modules, mountings, foundations, gravel beds, inverters, wiring, and storage devices.
 - ii. Private access road areas shall be restored by removing gravel and restoring surface grade and soil, unless the landowner directs otherwise.
 - iii. After removal of the structures and roads the area, if disturbed during SPPF construction and operation, shall be graded as close as is reasonably possible to its original contours or contours advantageous for agricultural operations and the soils shall be restored to a condition compatible with farm uses or consistent with other resource uses. Re-vegetation shall include plant species suited to the area, or planting by landowner of agricultural crops, as appropriate, and shall be consistent with noxious weed control measures.
 - c. Proponents of any SPPF shall demonstrate decommission assurances to Kittitas County in the form of a surety bond or escrow account to cover the cost of removal in the event the facility must be removed by Kittitas County. The intent of this requirement is to guarantee performance (not just provide financial insurance) to protect public interest and the County budget from an unanticipated, unwarranted burden to decommission a SPPF. The proponent shall submit a fully inclusive estimate of the costs associated with removal prepared by a qualified Washington State Licensed engineer that is accepted by Kittitas County. The decommissioning funds shall be equivalent to 125% of the engineer's estimated cost for the purpose of guaranteeing completion of the work. The decommissioning assurance shall be reevaluated every five (5) years to ensure sufficient funds for decommissioning, and if deemed appropriate at the time, the amount of decommissioning funds shall be adjusted accordingly.

EXHIBIT B. Cost Estimate



April 11, 2024

Mr. Abi Light Associate, Renewable Development Invenergy 959 SE Division St., Suite 350 Portland, Oregon 97214

Re: Decommissioning Cost Estimate for Schnebly Coulee Solar Energy Project, Kittitas County, Washington

Mr. Light:

Per your request, Tetra Tech Inc. has prepared the attached decommissioning cost estimate for the Schnebly Coulee Solar Energy Project proposed in Kittitas County, Washington. The estimate was prepared using the project information in your conditional use application to Kittitas County and as otherwise supplied by you. The estimate was prepared by a Senior Construction Cost Estimator under direct supervision of a Professional Engineer, licensed in the State of Washington, consistent with Section 17.61C.110(2)(c) of the Kittitas County Code.

Sincerely,

Tetra Tech, Inc.

Paul T. Seilo

Paul Seilo, AICP Senior Project Manager



Ropert M. Donati

Robert M Donati, PE Registered Professional Engineer, State of Washington License #48647, Expires 02/21/2924

Estimate Summary TETRA TECH EC, INC. Job Code: Schnebly 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	SCHNEBLY SOLAR RE	TIREMENT	0.00	Detail	U.S. Dollar	4,150,165.60	4,150,165.60	
1.1	1.00 Lump Sum	Equipment & Facilities M	lob / Demob	0.50	Detail	U.S. Dollar	51,661.20	51,661.20	
1.1.1	1.00 Lump Sum	Equipment Mob		0.00	Detail	U.S. Dollar	40,600.00	40,600.00	
Resource Code	Description		Hours	Quantity UM	Curr	ency	Unit Cost	Total Cost	
UERNTRLG	Rental Equip Transp-L	arge		4.00 Each	U.S. [Dollar	10,000.00	40,000.00	
UERNTRSM	Rental Equip Transp-S	imall		4.00 Each	U.S. [Dollar	150.00	600.00	
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	Curr	ency	Unit Cost	Total Cost	
UOCONMOB	Connex Box Mob			2.00 Each	U.S. [Dollar	300.00	600.00	
UOTRLTRN	Trailer Trnsp/Setup/Tro	dwn		2.00 Each	U.S. [Dollar	800.00	1,600.00	
1.1.3	1.00 Day	Crew Mob & Site Setup		1.00	Detail	U.S. Dollar	4,430.60	4,430.60	
Resource Code	Description		Hours	Quantity UM	Curr	ency	Unit Cost	Total Cost	
L060100	GENERAL LABORER		60.00	6.00 Each (hourly)	U.S. [Dollar	40.26	2,415.60	
L010101	OPERATOR		40.00	4.00 Each (hourly)	U.S. [Dollar	50.37	2,015.00	
1.1.4	1.00 Day	Crew Demob & Site Clea	anup	1.00	Detail	U.S. Dollar	4,430.60	4,430.60	
Resource Code	Description		Hours	Quantity UM	Curr	ency	Unit Cost	Total Cost	
L060100	GENERAL LABORER		60.00	6.00 Each (hourly)	U.S. [Dollar	40.26	2,415.60	
L010101	OPERATOR		40.00	4.00 Each (hourly)	U.S. [Dollar	50.37	2,015.00	
1.2	4.00 Month	Project Site Support		0.05	Detail	U.S. Dollar	44,470.30	177,881.19	
1.2.1	4.00 Month	Site Facilities		0.00	Detail	U.S. Dollar	1,305.00	5,220.00	
Resource Code	Description		Hours	Quantity UM	Curr	ency	Unit Cost	Total Cost	
URCONNEX	Connex Box			4.00 Month	U.S. [Dollar	150.00	600.00	
UROFFTRL	Office Trailer -12x60			4.00 Month	U.S. [Dollar	500.00	2,000.00	
UO1STAID	1st Aid Supplies			4.00 Month	U.S. [Dollar	300.00	1,200.00	
UOOFFSUP	Office Supplies(\$/prs/n	no)		4.00 Month	U.S. [Dollar	55.00	220.00	
URPRTAJH	Port-a-John Unit(s) (4)			4.00 Month	U.S. [Dollar	300.00	1,200.00	
1.2.2	4.00 Month	Field Management		0.05	Detail	U.S. Dollar	43,165.30	172,661.19	
Resource Code	Description		Hours	Quantity UM	Curr	ency	Unit Cost	Total Cost	
L90FXX02	Field - Proj Superinten	dent	880.00	1.00 Each (hourly)	U.S. [Dollar	83.18	73,200.16	
RPUTRK05	F-250 4X4 3/4 TON PI	CKUP	1,760.00	2.00 Each (hourly)	U.S. [Dollar	11.88	20,908.80	
L90FXX03	Field - SHSO		880.00	1.00 Each (hourly)	U.S. [Dollar	89.26	78,552.23	
1.3	1.00 Lump Sum	Substation Retirement		0.04	Detail	U.S. Dollar	173,621.26	173,621.26	
1.3.1	1.00 Day	Fence Removal		1.00	Detail	U.S. Dollar	1,259.05	1,259.05	
Resource Code	Description		Hours	Quantity UM	Curr	ency	Unit Cost	Total Cost	
L010101	OPERATOR		10.00	1.00 Each (hourly)	U.S. [Dollar	50.37	503.75	
L060100	GENERAL LABORER		10.00	1.00 Each (hourly)	U.S. [Dollar	40.26	402.60	
RBACKH09	Deere 710J BACKHOE	E, 1.62CY	10.00	1.00 Each (hourly)	U.S. [Dollar	35.27	352.70	
1.3.2	1.00 Each	Transformer Removal		0.17	Detail	U.S. Dollar	92,788.70	92,788.70	
1.3.2.1	1.00 Each	Oil Removal & Disposal		1.00	Detail	U.S. Dollar	58,180.20	58,180.20	

Cost Item								
CBS Position Code	Quantity UM	Description		UM/Day	Cost Source	Currency	Unit Cost	Total Cost
1.3.2.1.1	1.00 Each	Oil Removal		1.00	Detail	U.S. Dollar	805.20	805.20
Resource Code	Description		Hours	Quantity UM	Curre	ency	Unit Cost	Total Cost
L060100	GENERAL LABORER		20.00	2.00 Each (hourly)	U.S. [Dollar	40.26	805.20
1.3.2.1.2	14,000.00 Gallon	Oil Disposal		0.00	Detail	U.S. Dollar	4.00	56,000.00
Resource Code	Description		Hours	Quantity UM	Curr	ency	Unit Cost	Total Cost
USDISPOSAL	Disposal Fee's			56,000.00 Each	U.S. [Dollar	1.00	56,000.00
1.3.2.1.3	1.00 Each	Trucking - Per Load		0.00	Detail	U.S. Dollar	1,375.00	1,375.00
Resource Code	Description		Hours	Quantity UM	Curr	ency	Unit Cost	Total Cost
USTRUCKING	Trucking Sub			1,375.00 Each	U.S. [Dollar	1.00	1,375.00
1.3.2.2	1.00 Each	Dismantle & Loadou	t Transformer	0.20	Detail	U.S. Dollar	34,608.50	34,608.50
1.3.2.2.1	1.00 Each	Dismantle, Cut & Siz	e	0.20	Detail	U.S. Dollar	29,108.50	29,108.50
Resource Code	Description		Hours	Quantity UM	Curr	ency	Unit Cost	Total Cost
L060100	GENERAL LABORER		200.00	4.00 Each (hourly)	U.S. [Dollar	40.26	8,052.00
L010101	OPERATOR		100.00	2.00 Each (hourly)	U.S. [Dollar	50.37	5,037.50
*REXCAV06A	Excav 100K w/ Bucket	& Grapple	50.00	1.00 Each (hourly)	U.S. [Dollar	129.71	6,485.50
*REXCAV06E	Excav 100K w/ Shear		50.00	1.00 Each (hourly)	U.S. [Dollar	190.67	9,533.50
1.3.2.2.2	4.00 Each	Trucking - Per Load		0.00	Detail	U.S. Dollar	1,375.00	5,500.00
Resource Code	Description		Hours	Quantity UM	Curr	ency	Unit Cost	Total Cost
USTRUCKING	Trucking Sub			5,500.00 Each	U.S. [Dollar	1.00	5,500.00
1.3.3	1.00 Each	Remove Control Bui	lding & Switchgear	1.00	Detail	U.S. Dollar	4,953.45	4,953.45
1.3.3.1	1.00 Each	Demo		1.00	Detail	U.S. Dollar	2,203.45	2,203.45
Resource Code	Description		Hours	Quantity UM	Curre	ency	Unit Cost	Total Cost
L060100	GENERAL LABORER		10.00	1.00 Each (hourly)	U.S. [Dollar	40.26	402.60
L010101	OPERATOR		10.00	1.00 Each (hourly)	U.S. [Dollar	50.37	503.75
*REXCAV06A	Excav 100K w/ Bucket	& Grapple	10.00	1.00 Each (hourly)	U.S. [Dollar	129.71	1,297.10
1.3.3.2	2.00 Each	Trucking - Per Load		0.00	Detail	U.S. Dollar	1,375.00	2,750.00
Resource Code	Description		Hours	Quantity UM	Curr	ency	Unit Cost	Total Cost
USTRUCKING	Trucking Sub			2,750.00 Each	U.S. [Dollar	1.00	2,750.00
1.3.4	1.00 Day	UG Utility & Ground	Removal	1.00	Detail	U.S. Dollar	1,259.05	1,259.05
Resource Code	Description		Hours	Quantity UM	Curr	ency	Unit Cost	Total Cost
L010101	OPERATOR		10.00	1.00 Each (hourly)	U.S. [Dollar	50.37	503.75
L060100	GENERAL LABORER		10.00	1.00 Each (hourly)	U.S. E	Dollar	40.26	402.60
RBACKH09	Deere 710J BACKHOE	E, 1.62CY	10.00	1.00 Each (hourly)	U.S. [Dollar	35.27	352.70
1.3.5	500.00 Cubic Yard	Remove Foundation	s To Subgrade	73.68	Detail	U.S. Dollar	27.63	13,812.78
1.3.5.1	500.00 Cubic Yard	Excavate / Remove Depth	Foundation - Various	280.00	Detail	U.S. Dollar	15.60	7,801.07
Resource Code	Description		Hours	Quantity UM	Curre	ency	Unit Cost	Total Cost
L060100	GENERAL LABORER		17.86	1.00 Each (hourly)	U.S. [Dollar	40.26	718.93
L010101	OPERATOR		35.71	2.00 Each (hourly)	U.S. [Dollar	50.37	1,799.11
*REXCAV06C	Excav 100K w/ Hamme	er	17.86	1.00 Each (hourly)	U.S. [Dollar	166.14	2,966.79

			Co	st Item				
CBS Position Code	Quantity UM	Description		UM/Day	Cost Source	Currency	Unit Cost	Total Cost
*REXCAV06A	Excav 100K w/ Bucket	& Grapple	17.86	1.00 Each (hourly)	U.S.	Dollar	129.71	2,316.25
1.3.5.2	500.00 Cubic Yard	Concrete Transport Offsite		100.00	Detail	U.S. Dollar	12.02	6,011.72
Resource Code	Description		Hours	Quantity UM	Curr	ency	Unit Cost	Total Cost
RDUTRK06	CAT D350D, 18CY-24	CY	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
1.3.6	1.00 Lump Sum	Misc. Material Disposal		0.00	Detail	U.S. Dollar	1,975.00	1,975.00
1.3.6.1	1.00 Each	Trucking - Per Load		0.00	Detail	U.S. Dollar	1,375.00	1,375.00
Resource Code	Description		Hours	Quantity UM	Curr	ency	Unit Cost	Total Cost
USTRUCKING	Trucking Sub			1,375.00 Each	U.S.	Dollar	1.00	1,375.00
1.3.6.2	10.00 Ton	Disposal Cost		0.00	Detail	U.S. Dollar	60.00	600.00
Resource Code	Description		Hours	Quantity UM	Curr	ency	Unit Cost	Total Cost
USDISPOSAL	Disposal Fee's			600.00 Each	U.S.	Dollar	1.00	600.00
1.3.7	1.00 Lump Sum	Restore Yard		0.14	Detail	U.S. Dollar	57,573.23	57,573.23
1.3.7.1	1.00 Acre	Backfill / Regrade		2.00	Detail	U.S. Dollar	1,608.57	1,608.57
Resource Code	Description		Hours	Quantity UM	Curr	ency	Unit Cost	Total Cost
L060100	GENERAL LABORER		10.00	2.00 Each (hourly)	U.S.	Dollar	40.26	402.60
L010101	OPERATOR		10.00	2.00 Each (hourly)	U.S. I	Dollar	50.37	503.75
REXCAV06B	Gradall - Excavator		5.00	1.00 Each (hourly)	U.S.	Dollar	79.62	398.12
*RDOZER08	CAT D6 LGP Dozer		5.00	1.00 Each (hourly)	U.S.	Dollar	60.82	304.10
1.3.7.2	2,000.00 Cubic Yard	Vegetative Cover		300.00	Detail	U.S. Dollar	27.48	54,964.66
1.3.7.2.1	2,000.00 Cubic Yard	Topsoil, Delivered		0.00	Detail	U.S. Dollar	20.00	40,000.00
Resource Code	Description		Hours	Quantity UM	Curr	ency	Unit Cost	Total Cost
IMSOIL	Topsoil			2,000.00 Cubic Yard	U.S.	Dollar	20.00	40,000.00
1.3.7.2.2	2,000.00 Cubic Yard	Placement		300.00	Detail	U.S. Dollar	7.48	14,964.66
Resource Code	Description		Hours	Quantity UM	Curr	ency	Unit Cost	Total Cost
L010101	OPERATOR		133.33	2.00 Each (hourly)	U.S.	Dollar	50.37	6,716.66
RDOZER08	CAT D6N XL		133.33	2.00 Each (hourly)	U.S.	Dollar	61.86	8,248.00
1.3.7.3	1.00 Acre	Re-Seed With Native Vege	etation	0.00	Detail	U.S. Dollar	1,000.00	1,000.00
Resource Code	Description		Hours	Quantity UM	Curr	ency	Unit Cost	Total Cost
USLANDSCAPE	Landscape Sub			1.00 Acre	U.S.	Dollar	1,000.00	1,000.00
1.4	3.60 Mile	Transmission Line Remova	al	0.17	Detail	U.S. Dollar	32,861.04	118,299.73
1.4.1	3.60 Mile	Conductor Removal		0.22	Detail	U.S. Dollar	24,224.54	87,208.35
1.4.1.1	3.60 Mile	Cut / Lower Cable, Size &	Loadout	0.22	Detail	U.S. Dollar	23,824.54	85,768.35
Resource Code	Description		Hours	Quantity UM	Curr	ency	Unit Cost	Total Cost
L060100	GENERAL LABORER		981.82	6.00 Each (hourly)	U.S.	Dollar	40.26	39,528.00
L010101	OPERATOR		327.27	2.00 Each (hourly)	U.S.	Dollar	50.37	16,486.35
*RXMISC14	MAN LIFT GAS 125ft		163.64	1.00 Each (hourly)	U.S.	Dollar	54.88	8,980.36
RLIFTS05	JCB 508C, 8,000lbs FI	RKLFT	163.64	1.00 Each (hourly)	U.S.	Dollar	22.96	3,757.09
*RXMISC19	Material Handler		163.64	1.00 Each (hourly)	U.S.	Dollar	103.99	17,016.55
1.4.1.2	24.00 Ton	Scrap Trucking Cost		0.00	Detail	U.S. Dollar	60.00	1,440.00
Resource Code	Description		Hours	Quantity UM	Curr	ency	Unit Cost	Total Cost

			Cos	t Item				
CBS Position Code	Quantity UM	Description		UM/Day	Cost Source	Currency	Unit Cost	Total Cost
USTRUCKING	Trucking Sub			1,440.00 Each	U.S. I	Dollar	1.00	1,440.00
1.4.2	95.00 Each	Wood Monopole Ren	moval	20.00	Detail	U.S. Dollar	327.28	31,091.39
1.4.2.1	95.00 Each	Cut & Load Poles		20.00	Detail	U.S. Dollar	110.17	10,466.39
Resource Code	Description		Hours	Quantity UM	Curr	ency	Unit Cost	Total Cost
*REXCAV06A	Excav 100K w/ Bucket	& Grapple	47.50	1.00 Each (hourly)	U.S. [Dollar	129.71	6,161.23
L010101	OPERATOR		47.50	1.00 Each (hourly)	U.S. [Dollar	50.37	2,392.81
L060100	GENERAL LABORER		47.50	1.00 Each (hourly)	U.S. [Dollar	40.26	1,912.35
1.4.2.2	15.00 Each	Trucking - Per Load		0.00	Detail	U.S. Dollar	1,375.00	20,625.00
Resource Code	Description		Hours	Quantity UM	Curr	ency	Unit Cost	Total Cost
USTRUCKING	Trucking Sub			20,625.00 Each	U.S. I	Dollar	1.00	20,625.00
1.5	25.00 Each	Inverter / Transforme	er Removal	0.66	Detail	U.S. Dollar	4,839.08	120,977.00
1.5.1	25.00 Each	Disconnect Electrica		1.92	Detail	U.S. Dollar	649.23	16,230.77
Resource Code	Description		Hours	Quantity UM	Curr	ency	Unit Cost	Total Cost
L010110	ELECTRCIAN		130.00	1.00 Each (hourly)	U.S. [Dollar	72.71	9,452.57
L060100	GENERAL LABORER		130.00	1.00 Each (hourly)	U.S. [Dollar	40.26	5,233.80
RPUTRK05	F-250 4X4 3/4 TON PI	CKUP	130.00	1.00 Each (hourly)	U.S. [Dollar	11.88	1,544.40
1.5.2	25.00 Each	Loadout Inverter & T	ransformer	1.00	Detail	U.S. Dollar	2,814.85	70,371.24
Resource Code	Description		Hours	Quantity UM	Curr	ency	Unit Cost	Total Cost
L060100	GENERAL LABORER		1,000.00	4.00 Each (hourly)	U.S. [Dollar	40.26	40,260.00
L010101	OPERATOR		250.00	1.00 Each (hourly)	U.S. [Dollar	50.37	12,593.74
RHYDCR06	GROVE RT880 73 TO	N	250.00	1.00 Each (hourly)	U.S. [Dollar	70.07	17,517.50
1.5.3	25.00 Each	Trucking - Per Load		0.00	Detail	U.S. Dollar	1,375.00	34,375.00
Resource Code	Description		Hours	Quantity UM	Curr	ency	Unit Cost	Total Cost
USTRUCKING	Trucking Sub			34,375.00 Each	U.S. [Dollar	1.00	34,375.00
1.6	25.00 Each	Remove Foundation	s To Subgrade	1.75	Detail	U.S. Dollar	1,160.27	29,006.85
1.6.1	1,050.00 Cubic Yard	Excavate / Remove	Foundation	280.00	Detail	U.S. Dollar	15.60	16,382.25
Resource Code	Description		Hours	Quantity UM	Curr	ency	Unit Cost	Total Cost
L060100	GENERAL LABORER		37.50	1.00 Each (hourly)	U.S. [Dollar	40.26	1,509.75
L010101	OPERATOR		75.00	2.00 Each (hourly)	U.S. I	Dollar	50.37	3,778.12
*REXCAV06C	Excav 100K w/ Hamme	er	37.50	1.00 Each (hourly)	U.S. [Dollar	166.14	6,230.25
*REXCAV06A	Excav 100K w/ Bucket	& Grapple	37.50	1.00 Each (hourly)	U.S. [Dollar	129.71	4,864.13
1.6.2	1,050.00 Cubic Yard	Concrete Transport	Offsite	100.00	Detail	U.S. Dollar	12.02	12,624.60
Resource Code	Description		Hours	Quantity UM	Curr	ency	Unit Cost	Total Cost
RDUTRK06	CAT D350D, 18CY-240	CY	105.00	1.00 Each (hourly)	U.S. [Dollar	76.71	8,054.55
L080940	TEAMSTER		105.00	1.00 Each (hourly)	U.S. I	Dollar	43.52	4,570.05
1.7	1.00 Lump Sum	Solar Array Retireme	ent	0.00	Detail	U.S. Dollar	3,511,047.26	3,511,047.26
1.7.1	41,570.00 Linear Feet	Fence Removal		5,124.80	Detail	U.S. Dollar	1.24	51,435.59
1.7.1.1	41,570.00 Linear Feet	Fence Removal		5,124.80	Detail	U.S. Dollar	0.97	40,435.59
Resource Code	Description		Hours	Quantity UM	Curr	ency	Unit Cost	Total Cost
L010101	OPERATOR		243.35	3.00 Each (hourly)	U.S. [Dollar	50.37	12,258.55
L060100	GENERAL LABORER		486.69	6.00 Each (hourly)	U.S. I	Dollar	40.26	19,594.23
RBACKH09	Deere 710J BACKHOE	, 1.62CY	243.35	3.00 Each (hourly)	U.S. [Dollar	35.27	8,582.82
1.7.1.2	8.00 Each	Trucking - Per Load		0.00	Detail	U.S. Dollar	1,375.00	11,000.00

			Cost	Item				
CBS Position Code	Quantity UM	Description		UM/Day	Cost Source	Currency	Unit Cost	Total Cost
Resource Code	e Description		Hours	Quantity UM	Curr	ency	Unit Cost	Total Cost
USTRUCKING	Trucking Sub			11,000.00 Each	U.S. [Dollar	1.00	11,000.00
1.7.2	210,600.00 Each	Solar Panel Removal &	& Disposal	1,799.29	Detail	U.S. Dollar	6.00	1,263,927.06
1.7.2.1	210,600.00 Each	Solar Panel Removal		1,799.29	Detail	U.S. Dollar	1.75	368,572.06
Resource Code	e Description		Hours	Quantity UM	Curr	ency	Unit Cost	Total Cost
RLIFTS05	JCB 508C, 8,000lbs FI	RKLFT	1,170.46	1.00 Each (hourly)	U.S. [Dollar	22.96	26,873.77
L010101	OPERATOR		1,170.46	1.00 Each (hourly)	U.S. [Dollar	50.37	58,961.88
L060100	GENERAL LABORER		7,022.76	6.00 Each (hourly)	U.S. [Dollar	40.26	282,736.40
Notes:	Assumed production: 30 panels per includes packaging and preparing	er laborer per hour, for shipment offsite.						
1.7.2.2	329.00 Each	Trucking - Per Load		0.00	Detail	U.S. Dollar	1,375.00	452,375.00
Resource Code	e Description		Hours	Quantity UM	Curr	ency	Unit Cost	Total Cost
USTRUCKING	Trucking Sub			452,375.00 Each	U.S. [Dollar	1.00	452,375.00
Notes:	Assumption: 45,000 lbs per load							
1.7.2.3	7,383.00 Ton	Disposal Cost		0.00	Detail	U.S. Dollar	60.00	442,980.00
Resource Code	e Description		Hours	Quantity UM	Curr	ency	Unit Cost	Total Cost
USDISPOSAL	Disposal Fee's			442,980.00 Each	U.S. [Dollar	1.00	442,980.00
Notes:	Assumption: 210,600 modules x 7	0.11 lbs each						
1.7.3	7,800.00 Each	Solar Rack (Trackers)	& Post Removal	20.00	Detail	U.S. Dollar	281.50	2,195,684.61
1.7.3.1	7,800.00 Each	Solar Rack (Trackers)	& Post Removal	20.00	Detail	U.S. Dollar	250.82	1,956,434.61
Resource Code	e Description		Hours	Quantity UM	Curr	ency	Unit Cost	Total Cost
L010101	OPERATOR		7,800.00	2.00 Each (hourly)	U.S. [Dollar	50.37	392,924.61
L060100	GENERAL LABORER		7,800.00	2.00 Each (hourly)	U.S. [Dollar	40.26	314,028.00
*REXCAV06A	Excav 100K w/ Bucket	& Grapple	3,900.00	1.00 Each (hourly)	U.S. [Dollar	129.71	505,869.00
*REXCAV06E	Excav 100K w/ Shear		3,900.00	1.00 Each (hourly)	U.S. [Dollar	190.67	743,613.00
Notes:	Assumed production: .5 hour per r 1 excavator w/shear, 1 excavator v laborers. Includes post removal ar and loadout to haul trucks. Quantity assumption: 27 modules	ack per crew. Crew to in w/grapple, 2 operators a d sizing of steel for sale per rack assembly	clude nd 2 as scrap,					
1.7.3.2	174.00 Each	Trucking - Per Load		0.00	Detail	U.S. Dollar	1,375.00	239,250.00
Resource Cod	e Description		Hours	Quantity UM	Curr	ency	Unit Cost	Total Cost
USTRUCKING	Trucking Sub			239,250.00 Each	U.S. [Dollar	1.00	239,250.00
Notes:	Assumption: 45,000 lbs per load							
1.8	1.00 Lump Sum	Underground Cable Re	emoval	0.10	Detail	U.S. Dollar	56,147.99	56,147.99
1.8.1	1.00 Lump Sum	Remove Cable		0.10	Detail	U.S. Dollar	49,272.99	49,272.99
Resource Cod	e Description		Hours	Quantity UM	Curr	ency	Unit Cost	Total Cost
L010101	OPERATOR		200.00	2.00 Each (hourly)	U.S. [Dollar	50.37	10,074.99
L060100	GENERAL LABORER		400.00	4.00 Each (hourly)	U.S. [Dollar	40.26	16,104.00
*REXCAV06D	Excav 100K		200.00	2.00 Each (hourly)	U.S. [Dollar	103.99	20,798.00

			Cost	Item				
CBS Position Code	Quantity UM	Description		UM/Day	Cost Source	Currency	Unit Cost	Total Cost
RLIFTS05	JCB 508C, 8,000lbs FF	RKLFT	100.00	1.00 Each (hourly)	U.S. I	Dollar	22.96	2,296.00
1.8.2	5.00 Each	Trucking - Per Load		0.00	Detail	U.S. Dollar	1,375.00	6,875.00
Resource Code	Description		Hours	Quantity UM	Curr	ency	Unit Cost	Total Cost
USTRUCKING	Trucking Sub			6,875.00 Each	U.S. I	Dollar	1.00	6,875.00
1.9	1.00 Lump Sum	Site Restoration - Partial S	Site Seeding	0.02	Detail	U.S. Dollar	493,692.61	493,692.61
1.9.1	32,860.00 Linear Feet	Strip & Decompact Roads		2,500.00	Detail	U.S. Dollar	1.41	46,338.50
Resource Code	Description		Hours	Quantity UM	Curr	ency	Unit Cost	Total Cost
*RDOZER08	CAT D6 LGP Dozer		262.88	2.00 Each (hourly)	U.S. I	Dollar	60.82	15,988.36
L010101	OPERATOR		394.32	3.00 Each (hourly)	U.S. I	Dollar	50.37	19,863.85
*RFELWH08C	CAT 980 LOADER		131.44	1.00 Each (hourly)	U.S. I	Dollar	79.78	10,486.28
Notes: *** De As ***	ecompaction to include discing a sume removed road base transp	nd regrading ported offsite at no charge						
1.9.2	347.00 Acre	Spot Grade Disturbed Are	as	8.00	Detail	U.S. Dollar	277.99	96,461.62
Resource Code	Description		Hours	Quantity UM	Curr	ency	Unit Cost	Total Cost
*RDOZER08	CAT D6 LGP Dozer		867.50	2.00 Each (hourly)	U.S. I	Dollar	60.82	52,761.35
Notes: *** As As	sumtion: 694 acres total propert sume that 50% of the area will b	y area. be regraded.		Luci (i.cu.ij)	0.0.1			10,100.21
1.9.3	347.00 Acre	Re-Seed With Native Vege & Areas Disturbed By Con	etation - Roads Istruction	0.00	Detail	U.S. Dollar	1,000.00	347,000.00
Resource Code	Description		Hours	Quantity UM	Curr	ency	Unit Cost	Total Cost
USLANDSCAPE	Landscape Sub			347.00 Acre	U.S. I	Dollar	1,000.00	347,000.00
Notes: *** As ***	sumtion: 694 acres total propert sume that 50% of the area will b	y area. ye re-seeded.						
1.9.4	4.00 Each	Culvert Removal		2.00	Detail	U.S. Dollar	973.12	3,892.50
Resource Code	Description		Hours	Quantity UM	Curr	ency	Unit Cost	Total Cost
L010101	OPERATOR		20.00	1.00 Each (hourly)	U.S. I	Dollar	50.37	1,007.50
L060100	GENERAL LABORER		20.00	1.00 Each (hourly)	U.S. I	Dollar	40.26	805.20
*REXCAV06D	Excav 100K		20.00	1.00 Each (hourly)	U.S. I	Dollar	103.99	2,079.80
1.10	1.00 Lump Sum	Contractor Markups		0.00	Detail	U.S. Dollar	882,580.51	882,580.51
1.10.1	1.00 Lump Sum	Home Office, Project Man Cost)	agement (5% C	0.00 Of	Detail	U.S. Dollar	236,616.75	236,616.75
Resource Code	Description		Hours	Quantity UM	Curr	ency	Unit Cost	Total Cost
USMARKUP5	5% Markup		2	4,732,335.00 Each	U.S. I	Dollar	0.05	236,616.75
1.10.2	1.00 Lump Sum	Contractor OH & Fee (13%	% Of Cost)	0.00	Detail	U.S. Dollar	645,963.76	645,963.76
Resource Code	Description		Hours	Quantity UM	Curr	ency	Unit Cost	Total Cost
USMARKUP	13% Markup		2	4,968,952.00 Each	U.S. I	Dollar	0.13	645,963.76
1.11	1.00 Lump Sum	Scrap Metal Credit		0.00	Detail	U.S. Dollar	(1,464,750.00)	(1,464,750.00)
1.11.1	180.00 Ton	Scrap Credit - Substation		0.00	Detail	U.S. Dollar	(298.00)	(53,640.00)
Resource Code	Description		Hours	Quantity UM	Curr	ency	Unit Cost	Total Cost
UODCFERROUS	Ferrous Metal Scrap			180.00 Ton	U.S. I	Dollar	(298.00)	(53,640.00)

Cost Item							
CBS Position Code	e Quantity UM	Description	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
1.11.2	24.00 Ton	Scrap Credit - TLine	0.00	Detail	U.S. Dollar	(298.00)	(7,152.00)
Resource Code	e Description	Hours	Quantity UM	Curre	ency	Unit Cost	Total Cost
UODCFERROU	S Ferrous Metal Scrap		24.00 Ton	U.S. D	Oollar	(298.00)	(7,152.00)
1.11.3	166.00 Ton	Scrap Credit - Fence	0.00	Detail	U.S. Dollar	(298.00)	(49,468.00)
Resource Code	e Description	Hours	Quantity UM	Curre	ency	Unit Cost	Total Cost
UODCFERROU	S Ferrous Metal Scrap		166.00 Ton	U.S. D	Oollar	(298.00)	(49,468.00)
Notes:	Assume 8 lbs per ft fence & posts	5					
1.11.4	500.00 Ton	Scrap Credit - Inverters / Transformers	0.00	Detail	U.S. Dollar	(298.00)	(149,000.00)
Resource Code	e Description	Hours	Quantity UM	Curre	ency	Unit Cost	Total Cost
UODCFERROU	S Ferrous Metal Scrap		500.00 Ton	U.S. E	Dollar	(298.00)	(149,000.00)
Notes:	Assume 20 ton per inverter / trans	sformer ******					
1.11.5	3,900.00 Ton	Scrap Credit - Module Rack	0.00	Detail	U.S. Dollar	(298.00)	(1,162,200.00)
Resource Code	e Description	Hours	Quantity UM	Curre	ency	Unit Cost	Total Cost
UODCFERROU	S Ferrous Metal Scrap		3,900.00 Ton	U.S. D	Dollar	(298.00)	(1,162,200.00)
Notes:	Assume 1000 Lbs per rack w/ pik	****** 25 ****					
1.11.6	105.00 Ton	Scrap Credit - DC Cable	0.00	Detail	U.S. Dollar	(298.00)	(31,290.00)
Resource Cod	e Description	Hours	Quantity UM	Curre	ency	Unit Cost	Total Cost
UODCFERROU	S Ferrous Metal Scrap		105.00 Ton	U.S. E	Dollar	(298.00)	(31,290.00)
Notes:	316 287' 600 MCM ΔI cable						
	.66 lbs per LF						
	Assume steel scrap value for "dir	ty" Al wire					
1.11.7	3.00 Ton	Scrap Credit - Copper Cable	0.00	Detail	U.S. Dollar	(4,000.00)	(12,000.00)
Resource Code	e Description	Hours	Quantity UM	Curre	ency	Unit Cost	Total Cost
UODCCOP	Copper Scrap		3.00 Ton	U.S. D	Dollar	(4,000.00)	(12,000.00)
Notes:	Misc cu cable on rack and at sub-	********* station *******					
Report Total:							4,150,165.60
Category					Total		
Labor				1,4	99,321.60		
Rented Equipm	ient			1,5	24,273.49		
Supplies					1,420.00		
subcontract				0 5	40,000.00 47 700 51		
ODCs				2,3	2 200 00		
Other Costs				(1,46	64,750.00)		